We wish you much enjoyment with your Driver Information System.

Please familiarize yourself with the Driver Information System and read the operating guide before using the system. You will thus be able to make better use of your system and avoid endangering yourself and others.

Please understand that actual road status my be different from the map screens in this manual due to future updates and changes of the map content.

The colors on screen elements represented in this manual my be different from actual color on the display due to the illumination from the printing ink.

Hyundai is constantly updating the system to the latest technological standards and therefore retains the right to implement changes in design, equipment and technology.

3

Table of contents

Table of contents

This operating guide has been designed to assist in using the Driver Information System. The guide includes the following chapters:

Functional Introduction

This chapter includes the following:

- Functional Description
- Menu System
- System Components and Controls
- FM Main Menu Example

FM and AM mode

Here you will find all information regarding FM, AM and HD Radio[TM1]operation.

XM[®2] Satellite Radio mode

This chapter describes the XM® Satellite Radio mode.

---

1. HD Radio[TM] Technology Manufactured Under License From iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio[TM] and the HD Radio logo are proprietary trademarks of iBiquity Digital Corporation.

2. XM® and the XM® logos are registered trademarks of XM Satellite Radio Inc.

Disc mode

In this chapter you will find the descriptions of how to play the following discs:

- Audio CD
- MP3 CD
- Audio DVD
- Video DVD
- Video CD

AUX mode

This chapter describes how to connect and play back audio/video from the following external signal sources:

- iPod[®3] (audio playback only)
- USB stick (audio playback only)
- AUX signal source (audio and/or video playback)

---

3. iPod® is a trademark of Apple Inc.

Phone (*Bluetooth*® Hands-Free)

This chapter describes the phone functions that can be accessed if there is a mobile phone connected with the system.

Navigation

Here you will find, among other things, detailed information regarding the following topics:

- Destination input
- Functions following destination input
- Route guidance

Voice control

Here you will find the description of how to operate the system with voice control.

Info

This chapter describes the following topics:

- Displaying various vehicles details
- Vehicle settings
- System settings

Introduction

Chapters in this guide

Rear camera*[1]

Here you will find the description of the Rear camera*.

Appendix

In this chapter you will find the technical data of the system and a troubleshooting section.

Table of contents

The table of contents is intended to help you find information quickly.

---

1. The asterisk * identifies optional equipment

General symbols

Icon or text	Explanation
*	The asterisk * identifies optional equipment.
i	The 'info' icon identifies tips and additional information.
▶	The filled triangle prompts you to perform an action.
▶▶	Two filled triangles represent the continuation symbol.
Page 23	This is how a reference to another page is shown.
◆ ◆ ◆ etc.	These bullet points are used to identify lists.

Icon or text	Explanation
① ② ③ etc.	Legends for illustrations are consecutively numbered.
Display	On-screen displays are shown in this font.
Command	Commands for the voice control system and voice output of the voice control system are shown in italics.

Safety instructions

In this operating guide you will find various safety instructions intended to ensure your personal safety. You should carefully read and follow **all** safety instructions.

⚠️ **WARNING**

This warning identifies where the possible cause of serious damage to the product may be, and possible causes of traffic accident due to user's carelessness.

⚠️ **CAUTION**

This warning identifies a situation where operation may be misunderstood as an error or when care needs to be taken when handling or using the product..

Introduction

Operational safety

Safety instructions

> ⚠️ **WARNING**
>
> Operating the Driver-Information-Systems while driving could cause accidents due to lack of attention to the road.
>
> ◆ Operate the system with the vehicle parked. Some functions of the system are disabled when vehicle is in motion. The system is fully functional only when the vehicle is parked.
>
> ◆ Minimize the time looking at the display.
>
> Parking the vehicle in areas where stopping or parking is prohibited to operate the Driver-Information-Systems may be a cause of an accident.
>
> To operate the system, do not park in areas where stopping or parking is prohibited.

> ⚠️ **WARNING**
>
> If you use the phone functions when driving, you may be distracted from the traffic situation, thus increasing the accident hazard.
>
> Only use the phone functions when the vehicle is stationary.
>
> If you use the navigation system, you may be distracted from the traffic situation and fail to observe traffic signs, traffic regulations and road safety facilities, thus increasing the accident hazard.
>
> ◆ Only enter a navigation destination when the vehicle is stationary.
>
> ◆ Always observe traffic signs, traffic regulations and road safety facilities. These always have priority over driving recommendations made by the system.

> ⚠️ **WARNING**
>
> It is impossible to provide an assurance that the speed values stored in the digital map will always match those of the current traffic regulations in every situation.
>
> ◆ Always observe the applicable legal speed limits and traffic regulations.
>
> ◆ The current legal road traffic speed limit always takes priority over the values stored in the digital map.
>
> ◆ The vehicle speedometer must always be given priority for display of the vehicle speed.

> ### ⚠ WARNING
>
> Disassembling or altering the Driver Information System my be a cause for an accident, fire or electrical shock.
>
> Do not disassemble or alter the system.
>
> Water or other foreign objects entering the Driver Information System may be a cause for an accident, fire or electrical shocks.
>
> Be careful of water or other foreign objects entering the system.
>
> Using the Driver Information System in its damaged state, such as display or audio not working, may cause an accident, fire or electrical shock.
>
> Do not use the system in its damaged state.

> ### ⚠ WARNING
>
> It can not be guaranteed that all available emergency services in your vicinity are stored in the digital map of the navigation system.
>
> ◆ Do not rely excusively on the navigation system when attempting to locate an emergency service (hospital, fire service, etc.).
>
> ◆ Use your own discreption and abilities to secure help in such situations.
>
> Touching the antenna during a thunderstorm could cause an electrical shock due to lightning striking the antenna.
>
> Do not touch the antenne during a thunderstorm.

> ### ⚠ WARNING
>
> The Driver Information System is a class 1 laser product. Opening the housing or a defective or damaged housing represents an injury hazard due to invisible laser radiation.
>
> ◆ Do not open the housing.
>
> ◆ For safety reasons, have any maintenance work performed by qualified service experts only.

> ### ⚠ CAUTION
>
> Do not place beverages close to the Driver Information System. The system may be damaged if you spill them.
>
> Do not strike or allow anything to impact the Driver Information System. Damage to the system could occur.
>
> (continued)

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Introduction

Operational safety

> ⚠️ **CAUTION**
>
> (continued)
>
> Do not use the Driver Information System in its damaged state. It may cause a critical damage to the system.

Information about the laser used

CLASS 1
LASER PRODUCT
DIN EN 60825-1:2003-10

This laser product is classified as a class 1 laser product in accordance with the national/international standards **DIN EN 60825-1 : 2003-10** and **DHHS Rules 21 CFR Subchapter J** to the date of manufacture.

The laser beam in this class 1 laser product is so weak that it poses no threat in any situation, or this product is designed that the laser beam is limited to the inside of the device. A laser encased in this device can, however, still be powerful enough to qualify as a higher class of laser. For this reason the protective case should not be opened at any time (loss of warranty).

Technical data for the laser equipment inside the device:

Output power from laser beam: 0.68 mW (DVD) / 0.85 mW (CD)
Wave length of laser beam: 665 nm (DVD) / 795 nm (CD)
The laser diode is not pulsed during operation.

Information about the operating temperature range

ℹ️ The guaranteed operating temperature range is -40° C - +80° C (-40° F - +176° F).

If the temperature is too low or to high, the Driver Information System may not work. This is not an indication of damage in the product, so don't be alarmed. Please use the system after waiting for awhile.

Intended purpose

Please keep the following information in mind when using the Driver Information System:

- ◆ The safety instructions in this guide
- ◆ The road traffic regulations

Servicing

Tampering with electronic components or systems and their software may result in malfunctions. Even systems which have not been modified may be affected due to the connectivity of the electronics. Malfunctioning of the electronics can seriously endanger the operational safety of your vehicle.

Always have all work or modifications to electronic components carried out by an approved service center with the necessary expertise and tools for any work required. Especially for safety-related operations and operations on safety-related systems, servicing by an approved service center is essential.

Function restrictions when driving the vehicle

Certain functions, such as Navigation menu selection or Car Settings may be restricted or unavailable while driving.

As soon as the vehicle falls below a certain speed, the functions are unrestricted or available again.

The restriction can be recognized, for example, from the fact that certain menu items have no function or that a corresponding message appears.

Videos such as video DVD or video CD are viewable only when the gear stick position is at „**P**".

You will find further information in the corresponding chapters in this manual.

FCC compliance statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Caution

Any changes or modifications not expressly approved by the manufacturer, responsible for compliance, could void the user's authority to operate the equipment.

Radiofrequency radiation exposure information

The radiated output power of the device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.

IC compliance statement

This device complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Bluetooth® information

Bluetooth® **Qualified Design ID Number B013386**

Introduction

Operational safety

Maintenance

> ⚠️ **CAUTION**
>
> The Driver Information System contains high-quality electronic components which require special care with regard to maintenance.
>
> The following should be observed:
>
> ◆ The display scratches easily. Clean the display using a dry, clean and soft cloth with the system off.
>
> ◆ Do not exert excessive pressure on the displays or other surfaces when cleaning it.
>
> ◆ Rough rub, chemical wipe or solvent (e.g. alcohol, benzene, thinner) may scratch or distort the display surface.
>
> (continued)

> ⚠️ **CAUTION**
>
> (continued)
>
> ◆ The device must not be sprayed with cleaning agents or liquids. Ingress of liquids can result in the destruction of the equipment.
>
> ◆ If the system has any problem, please contact your Hyundai dealer or an approved service center to resolve the problem.

Warranty

> ⚠️ **CAUTION**
>
> Do not open the housing of any system component.
>
> If you open the housing, the warranty is lost and after service will not be possible.

Functional introduction

System features

Congratulation to your Driver Information System!

The Driver Information System is a high-end multimedia system supporting the following:

- FM, AM and HD Radio^{TM1} reception
- XM^{®2} Satellite Radio reception
- DVD changer supporting up to six discs of the type audio CD, DVD audio, DVD video, VCD, MP3 files on CD or DVD, and WMA files on CD or DVD
- External connection supporting USB with MP3 or WMA files, iPod, and audio or video AUX connection via a mini jack.

Especially, the 8-inch display provides high quality images with great audio output from Lexicon sound system.

---

1. HD Radio^{TM} Technology Manufactured Under License From iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio^{TM} and the HD Radio logo are proprietary trademarks of iBiquity Digital Corporation.

2. XM® and the XM® logos are registered trademarks of XM Satellite Radio Inc.

Advantages of the Driver Information System

Display

8-inch LCD provides three aspect ratio for all video sources for your taste.

Radio

An additional FM tuner allows all available stations to be available instantly without having to search through the entire frequency band.

The integrated HD Radio^{TM} capable FM/AM tuner offers digital radio reception.

The integrated XM® Radio tuner offers digital satellite radio reception.

Antenna

Roof antenna (GPS and XM® Radio reception) and an integrated glass antenna (FM/AM reception) offers superb reception quality.

DVD Changer 6

6 discs in the changer at a time provides a convenient way of changing switching between discs without the hassle of searching, removing, and inserting a desired disc.

Inserted disc type is identified, and auto play of its content depending on its type makes it convenient for the user.

With the PBC (supported by MPEG1 version 2.0 VCD) provides a convenient way of navigating through the contents provided by the VCD.

Others

A center control panel that offers commonly used functions at the tip of your finger gives great control over the Driver Information System. The rotate-push-press controller at the center allows great ease of navigating through the Driver Information System menus.

The Driver Information System consists of the following main components:

* Headunit, see page 19
* Display, see page 19
* Central control panel, see page 20
* Function buttons on the steering wheel, see page 22

Headunit

The headunit is located in the vehicle dashboard.
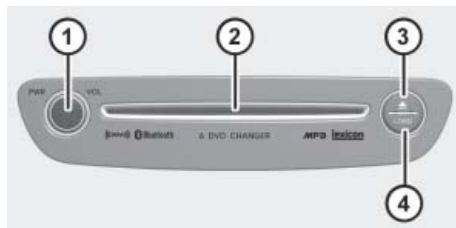
Control	Page
① Press ⬤: Switching audio/video playback on/off	32
Turn ⬤: Setting the volume	33
② Disc slot	
③ ▲ Ejecting the disc changer magazine	81
④ LOAD Loading the disc changer magazine	77

Display

The display is located in the vehicle dashboard.

① Front display

Functional introduction

System components

Central control panel

The central control panel is located in the front in the vehicle center console. It comprises the controller and the main function buttons.
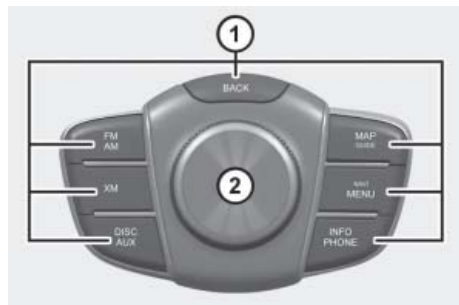
① Main function buttons
② Controller

Controller

You can push, turn and press the controller ◎, see illustrations below.

Pushing the controller
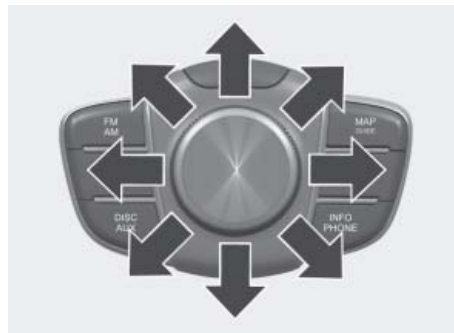
◆ Push to the left or right ← →:
Switching between the areas in a main menu, see page 29 in this chapter.

◆ Push forwards or backwards ↑ ↓ :

   ◆ Scrolling through a list page by page, see page 29 in this chapter.

   ◆ Selecting a menu item, see page 28 in this chapter.

◆ Push forwards or backwards ↑ ↓, push to the left or right ← → , push diagonally ↘ ↗:
Moving the map, see chapter "Navigation", section "Moving the map/ setting the map scale" on page 190.

Turning the controller

Turn to the left or right 〔 〕:
Selecting a menu item, see page 28 in this chapter.

Pressing the controller

Press:
Confirming the selection, see page 28 in this chapter.

Main function buttons
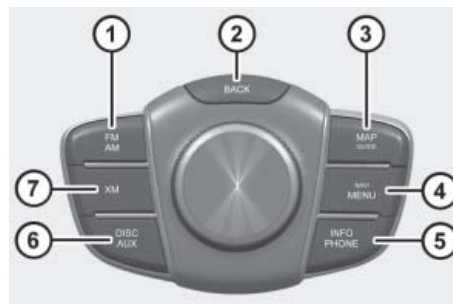
Main function button	Page
① **FM AM**	
Switching to FM or AM mode and switching radio band	34
② **BACK**	
Short press: Going back one menu level	26

Main function button	Page
② **BACK**	
Long press: Opening the main menu for the active main function	26
③ **MAP GUIDE**	
◆ Calling up the map display and switching to navigation mode	187
◆ Calling up a current audible driving recommendation	191
④ **NAVI MENU**	
Opening the Navigation main menu	192
⑤ **INFO PHONE**	
◆ Opening the Info main menu	282
◆ Opening the Phone main menu	152

Functional introduction

System components

Main function button	Page
⑥ DISC AUX	
◆ Switching to disc mode	84
	94
	109
◆ Closing the Disc main menu and returning to video full-screen display (Video DVD or video CD playback only)	95
	110
◆ Switching to AUX mode and opening the AUX main menu	129
◆ Closing the AUX main menu and opening the AUX full-screen display	145
⑦ XM	
Opening the XM® Satellite Radio main menu	57

Function buttons on the steering wheel

Function button	Page
① ∨ and ∧	
◆ Tuning to a station via the presets (FM or AM)	
◆ Tuning to a station via a search (FM or AM)	46
	45

Function button	Page
① ∨ and ∧	
◆ Tuning to a channel via the channel list (XM® Satellite Radio)	60
◆ Selecting discs	87
	96
	111
◆ Fast forwarding/ reversing: USB memory stick	140
iPod®1	136
◆ Skipping chapters forward/back (video DVD)	97
◆ Skipping tracks forward/ back: Audio disc	87
Video CD	112
iPod®2	135
USB	140

1   iPod® is a trademark of Apple Inc.
2   iPod® is a trademark of Apple Inc.

Function button	Page
② 🔼VOL and 🔽VOL	
Setting the volume	33
③ MODE	
◆ Switching mode	
◆ Switching private mode on/off (phone)	170
◆ Switching audio/video playback on/off	32
④ 🎙	
Activating/deactivating the voice control system	254
⑤ 📞	
◆ Opening the Phone main menu	152
◆ Using redial	168
◆ Accepting/rejecting an incoming call	168
◆ Ending a call	171
◆ Swapping between two calls	173

Functional introduction

Menu system

The Driver Information System is easy to use thanks to its menu system.

There is a main menu for each of the following main functions:

- FM (FM band)
- AM (AM band)
- XM® (Satellite Radio)
- Disc (audio CD, MP3 CD, audio/video DVD and video CD)
- AUX (iPod, USB memory stick and AUX signal source)
- Phone (*Bluetooth*® handsfree)
- Info (vehicle and system settings as well as various vehicle status displays)
- Navigation

Composition of the main menu

The main menu for a main function comprises at most the following three user-control areas:

- Main menu
- Content area
- Options menu

It also contains the following two non-user-control areas:

- Top status line
- Bottom status line

The illustration below shows the main menu for the FM main function.

1. Main menu
2. Top status line
3. Content area
4. Options menu
5. Highlighted menu item in the Options menu
6. Bottom status line

Top and bottom status lines

The top and bottom status lines ② and ⑥ contain no user controls. The status lines are provided for information purposes only and can show you, for example, the following:

- ◆ information on the currently active main function, see section "Top status line" on page 27,
- ◆ information on the currently active entertainment source (e.g. FM), see section "Top status line" on page 27,
- ◆ Bluetooth connection status of the phone, see chapter "Phone", section "Connecting a mobile phone" on page 156.

Main menu

The main menu ① shows the subfunctions available for the active main function as individual menu items.

i See page 28 for a description of how to select a menu item and confirm the selection.

Content area

The content area ③ shows either the content of the menu item selected in the main menu ① or a further submenu where you can again select a menu item.

i See page 28 for a description of how to select a menu item and confirm the selection.

Options menu

For certain displays in the content area ③ you can open the Options menu ④. It contains additional information or setting options.

Calling up main functions

Option 1

i Pressing one of the following main function buttons activates the corresponding mode, provided it was not previously active. If it was already active, then it remains active.

▶ **FM mode:** Press the main function button FM AM, see page 42.

▶ **AM mode:** Press the main function button FM AM, see page 42.

▶ **XM® Satellite Radio mode:** Press the main function button XM, see page page 57.

▶ **Disc mode:** Press the main function button DISC AUX, see page 84, 94 or 109.

▶ **AUX mode:** Press the main function button DISC AUX, see page 129.

▶ **Phone mode:** Press the main function button INFO PHONE, see page 152.

▶ **Info mode:** Press the main function button INFO PHONE, see page 282.

▶ **Navigation mode:** Press the main function button MAP GUIDE, see page 187.

or

▶ Press the main function button NAVI MENU, see page 192.

Menu system

Option 2

▶ Press the MODE button on the steering wheel repeatedly until the desired main function is displayed.

ℹ️ You cannot switch to the main functions Phone, Info and Navigation on the steering wheel.

ℹ️ If Navigation, Info or Phone is the active main function, switching to FM/AM, XM® Satellite Radio, Disc or AUX main function on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the corresponding main function button on the control panel.

BACK function

▶ **To go back one menu level:** Briefly press the BACK button.

▶ **To open the main menu for the active main function:** Press and hold the BACK button.

ℹ️ There are certain menus or displays that you can only exit or close by briefly pressing the BACK button.

Operating example for the FM main menu

Opening the FM main menu

▶ Press the [FM AM] button.

Either the FM or the AM main menu appears when you press the [FM AM] button.

▶ **If the AM main menu appears:**
Press the [FM AM] button again.

The FM main menu appears.

or

▶ Press the [MODE] button on the steering wheel repeatedly until the FM main menu appears.

[i] If Navigation, Info or Phone is the active mode, switching to FM mode on the steering wheel does not switch the display, only the audio source will be switched accordingly. If you want to switch the display also, you must use the [FM AM] button on the control panel.

Top status line

The top status line shows various information.

① Currently active main function
② Currently active entertainment source
③ Preset of the currently selected station in the presets
④ Frequency of the currently selected station
⑤ Indicator for stereo reception

Bottom status line

The bottom status line shows the controller icons amon other things.
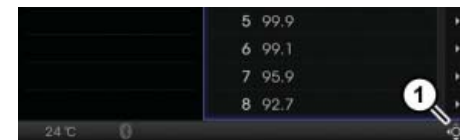
① Controller icons

The icons ◄, ►, ▲ and ▼ represent the directions of movement of the controller ◎.

The icon ○ represents turning the controller ◎.

Each individual icon can be shown in white or grey.

White icon:
Pushing or turning as appropriate initiates an operation.

Grey icon:
Pushing or turning as appropriate does not initiate an operation.

Functional introduction

Operating example for the FM main menu

Main menu, content area and Options menu

① Main menu with the various menu items (blue frame around the menu= menu is active)
② Selected menu item
③ Content area (no blue frame around the content area= content area is inactive)

Selecting a menu item

▶ Turn ❪ ❫ the controller ◎ until the desired menu item is highlighted.

or

▶ Push ⬆ ⬇ the controller ◎ until the desired menu item is highlighted.

ℹ If you select a menu item in the main menu ①, then the display in the content area ③ can automatically show further information or menus for the selected menu item. In the previous illustration, the menu item Presets is selected and the content area ③ then shows the presets in the form of a list.

Confirming the selection

▶ Press the controller ◎.

The content area is now active and supplied with a blue frame.

ℹ In the following descriptions, selection of a menu item and confirmation of the selection is combined into one prompt for action and referred to as "selecting".

The illustration below shows, in the content area ②, the presets in the form of a list. You can select and confirm a menu item in the list as previously described, which, in this example, will result in the system tuning to the appropriation station.

① Main menu
② Content area
③ Selected menu item in the content area
④ Icon ▶ indicating the Options menu is available
⑤ Icon ◆ for the currently selected station

ℹ The Options menu is only available if the icon ▶ appears to the right of a menu item. In the illustration above, the Options menu is available for all menu items.

Opening the Options menu

▶ With the content area active, push ➡ the controller ◎ once.

The Options menu for the selected menu item appears. In the Options menu you can select and confirm further menu items.

① Options menu

Closing the Options menu

▶ Push ◄ the controller ◎ once.

or

▶ Briefly press the **BACK** button.

The Options menu is now closed and the content area becomes active again.

Switching between the areas in a main menu

▶ Push ◄ ➡ the controller ◎ repeatedly until the desired area is active.

ℹ You can tell an active area by the blue frame around the area.

Lists

The menus in all three user-control areas in a main menu (main menu, content area and Options menu) can be displayed in the form of lists.

In addition to selecting and confirming as previously described, when using lists the following options are also available:

◆ Scrolling through a list page by page, see page 29

◆ Displaying an abbreviated list entry in full, see page 30

Scrolling through a list page by page

① List
② Scrolling behavior cursor

If a list contains more than one page, the scrolling behavior cursor ② will be displayed.

▶ **To scroll down:** Push ⬇ the controller ◎ repeatedly until the desired page is displayed.

▶ **To scroll up:** Push ⬆ the controller ◎ repeatedly until the desired page is displayed.

Functional introduction

Operating example for the FM main menu

ℹ️ When you scroll through the list page by page or select an entry, the scrolling behavior cursor ② moves accordingly. By doing so it indicates your current position in the list.

Displaying an abbreviated list entry in full

List entries must be abbreviated for display in the content area. Abbreviated entries are indicated by the three dots at the end of the entry.

① Abbreviated entry

▶ **To call up the complete text:** Push ➡ the controller ◎ repeatedly until the Options menu is displayed.

① Options menu

▶ Turn 〔 〕 the controller ◎ until the menu item Details is highlighted.

or

▶ Push ⬆ ⬇ the controller ◎ until the menu item Details is highlighted.

▶ Press the controller ◎.

The complete text is displayed.
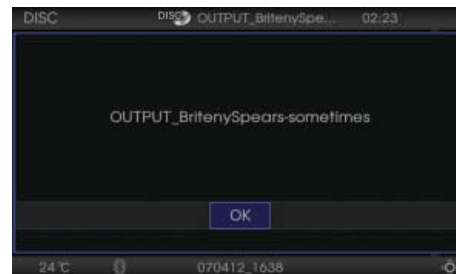
① Complete text

▶ **To close the complete text:** Press the controller ◎ again.

30

Switching the system on

> ⚠️ **WARNING**
>
> **Hearing damage due to high volume level!**
>
> When switching the Driver Information System on, a sudden burst of high volume may be a cause of hearing damage.
>
> When the system switches on, be careful of the volume level. Set the volume to an acceptable level before switching the system off.

ℹ️ After switching the system on, the boot process starts. During the boot process you can not operate the system. It takes some time until all system functions are ready, especially for the voice control system.

Vehicles with ignition

▶ Insert the ignition key into the ignition and turn to the **ACC** or **IGN** position.

  The system will switch on and a safety instruction will be displayed after a short time.

⚠️ Caution
Watching this screen while driving can lead to a serious accident. Make sure that system is only in operation when the vehicle is stopped. Please observe and obey local traffic rules and drive safely when using the Navigation system in motion.

Push ENTER to accept
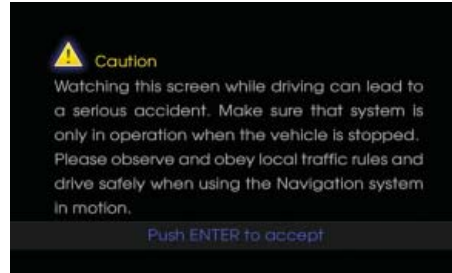
▶ **To confirm the safety instruction:** Press the controller ◎.

Vehicles without ignition

▶ Press the vehicle's Start button once.

  If you have not applied the brakes, **ACC** and the system is switched on.
  If you have applied the brakes, **IGN** and the system is switched on and the vehicle engine starts.
  In both cases, the safety instruction mentioned above will be displayed.

▶ **To confirm the safety instruction:** Press the controller ◎.

Battery warning message

Please use the system with the vehicle's engine running. When using the system with the engine not running, after 10 minutes of operation you will be warned with the following message to turn the ignition on to start the engine.

⚠️ Please use the multimedia system with Ignition On to avoid battery discharge

The message disappears automatically after a short time and will be redisplayed for 5 seconds every 1 minute continuously. Prolonged usage of the system with the engine not running may cause complete discharge of the battery.

Basic functions

Switching the system off

Vehicles with ignition

▶ **To switch the system off:** Turn the ignition key to the OFF position.

The system will switch off.

Vehicles without ignition

▶ Press the vehicle's Start button once.

The system will switch off.

Switching off during a phone call

If you switch the system off during a phone call using the hands-free unit of the system, the call will be transfered automatically back to the mobile phone (private mode).

Switching audio/video playback on/off

i When the system is switched on, you can switch audio/video playback off and on independently. Whether audio/video playback is switched on or off, you can switch the system on and off without affecting it.
The following functions are still available when audio/video playback is switched off:

◆ Phone (***Bluetooth***® handsfree)

◆ Navigation

◆ Info

Switching off

▶ **On the headunit:** Press the rotary knob ⬤.

or

▶ **On the steering wheel:** Press and hold the MODE button.

In both cases, audio/video playback switches off and the message AV OFF is shown in the top status line.

Additionally, the system switches to the navigation map display, if one of the following modes was selected and shown in the display before playback was switched off:

◆ FM mode

◆ AM mode

◆ XM® Satellite Radio mode

◆ Disc mode

◆ AUX mode

For all other modes, the display remains unchanged.

Switching on

Option 1

▶ **On the headunit:** Press the rotary knob ⬤.

or

▶ **On the steering wheel:** Briefly press the **MODE** button.

In all of the above cases, the audio/video that was playing before playback was switched off is resumed.

Option 2

▶ Press one of the main function buttons **FM AM** , **DISC AUX** or **XM** .

The system will switch to the mode corresponding to the button pressed.

or

▶ **Disc mode:** Loading a magazine compartment, see page 77, page 78 and page 79.

or

▶ **AUX mode:** Connecting an iPod or USB memory stick, see page 125.

In both cases, the system will switch to the corresponding mode.

Setting the volume

> ⚠ **WARNING**
>
> Driving with the volume set to such a level that the outside sound is not audible, may be a cause of an accident.
>
> Set the volume to such a level, that the outside sound is audible.

There is one common volume setting for the FM, AM, Disc, AUX and XM® Satellite Radio signal sources.

Separate volume settings are possible for the phone, for audible driving recommendations and for voice control. The respective volume can be set during a phone call, during an audible driving recommendation and during voice output.

ℹ The volume for audible driving recommendations can also be set in the navigation settings, see the chapter "Navigation", section "Audible driving recommendations" on page 190.

The system automatically saves the respective setting upon setting.

On the headunit

▶ Turn the rotary knob ⬤.

On the steering wheel

▶ Briefly press the **VOL ∨** or **VOL ∧** button one or more times.

The volume will change in small increments.

or

Basic functions

▶ Press and hold the 🔽 or 🔼 button.

The volume will change in large increments.

Switching to FM or AM mode and switching radio band

▶ Press the 🔘 button.

If FM or AM mode was active before, the system will switch band.
If another mode was active before, the system will switch to FM or AM mode and tune to the FM or AM band.

or

▶ Press the **MODE** button on the steering wheel repeatedly until the FM or AM main menu appears.

ℹ️ If Navigation, Info or Phone is the active mode, switching to FM or AM mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the 🔘 button on the control panel.

Audio settings

The audio settings include the following functions:

◆ Setting the balance/fader, see page 35

◆ Setting the treble/mid/bass, see page 36

◆ Setting the equalizer, see page 36

◆ Switching surround on/off, see page 37

◆ Performing an audio reset, see page 38

Opening the Audio Settings menu

ℹ️ The Audio Settings menu is opened in different ways, depending on the currently active signal source.

Active signal source is FM, AM, XM® Satellite Radio, audio CD/DVD, MP3 CD or AUX (audio)

The illustration shows the FM main menu with the main menu activated

① Main menu
② Audio Settings menu
③ Content area
④ Settings menu item

▶ In the main menu ①, select the menu item Settings ④.

The Audio Settings menu ② is displayed in the content area ③.

Active signal source is Video CD, video DVD or AUX (video)

▶ Press and hold the BACK button until the appropriate main menu is displayed.

The illustration shows the video DVD main menu with the main menu activated

① Main menu
② Selection menu
③ Content area
④ Settings menu item

▶ In the main menu ①, select the menu item Settings ④.

The audio/video selection menu is displayed in the content area ③.

▶ In the audio/video selection menu, select the menu item Audio.

The Audio Settings menu is displayed in the content area ③.

Closing the Audio Settings menu

▶ Briefly press the BACK button.

Setting the balance/fader

ℹ The balance/fader setting applies to all signal sources.

▶ **To open the Balance/Fader menu:** In the Audio Settings menu, select the menu item Balance/Fader.

The Balance/Fader menu is displayed in the content area.
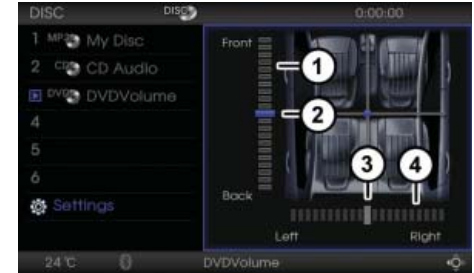
① Scale for the fader setting
② Fader indicator
③ Balance indicator
④ Scale for the balance setting

The position of the two indicators ② and ③ on the scale show the current settings. The color of the two indicators shows whether the balance function or the fader function is active. In the illustration above, the fader function is active.

▶ **Activating the balance or fader function:** If necessary, press the controller ◎.

The previously inactive function is now active.

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Basic functions

▶ **To set balance or fader:** Turn 〔 〕 the controller ◎ until the desired setting is reached.

The system saves the setting automatically.

▶ **To close the Balance/Fader menu:** Push ◀ the controller ◎ once.

or

▶ Briefly press the BACK button.

Setting the treble/mid/bass

ℹ️ The system automatically saves the treble/ mid/bass settings separately for all audio and video signal sources.

▶ **To open the Treble/Mid/Bass menu:** In the Audio Settings menu, select the menu item Treble/Mid/Bass.

The Treble/Mid/Bass menu is displayed in the content area.

① Scale for the treble setting
② Scale for the mid setting
③ Scale for the bass setting
④ Treble indicator
⑤ Mid indicator
⑥ Bass indicator

The position of the three indicators ④, ⑤ and ⑥ on the scales ①, ② and ③ show the respective current settings.
The color of the indicators shows which of the scales is active. In the illustration above, the scale for the treble setting is active.

ℹ️ You can tell an active scale by the white frame around the scale.

▶ **Activating a scale:** Push ⬆ ⬇ the controller ◎ repeatedly until the desired scale is active.

or

▶ Press the controller ◎ until the desired scale is active.

▶ **To set a value:** Turn 〔 〕 the controller ◎ until the desired setting is reached.

The indicator moves accordingly on the scale, showing you the setting.

▶ **To close the Treble/Mid/Bass menu:** Push ◀ the controller ◎ once.

or

▶ Briefly press the BACK button.

Setting the equalizer

ℹ️ The equalizer provides you with five predefined presets for calling up. You can activate different presets for all audio and video signal sources; the system automatically saves the setting.

▶ **To open the Equalizer menu:** In the Audio Settings menu, select the menu item EQ Presets.

The Equalizer menu is displayed in the content area.

① Highlighted menu item
② Currently active preset (icon ◉)
③ Currently inactive presets (icon ○)

▶ **To activate a preset:** Select the desired preset in the content area.

The Equalizer menu is automatically closed after a short time.

ℹ️ If you adjust the sound settings, see the section "Setting the treble/mid/bass" on page 36, then the system will automatically activate the Custom preset and store the changes made in this preset.

Switching surround on/off

There is a common surround setting for the following signal sources:

◆ FM

◆ AM

◆ XM® Satellite Radio

◆ iPod, USB memory stick and AUX signal source

◆ Audio CD without DTS sound

◆ Video CD

There is also a common surround setting for the following signal sources:

◆ Audio DVD

◆ Video DVD

◆ Audio CD with DTS sound

ℹ️ The two settings are independent of each other. The system saves the settings automatically.

▶ **To switch the surround function on/off:** In the Audio Settings menu, select the menu item Surround.

① Status display
② Menu item Surround

Basic functions

Depending on the previous status, the function will be switched on or off. The status display will change accordingly.

- ◆ Display □ = function switched off
- ◆ Display ☑ = function switched on

Performing an audio reset

You can use the audio reset function to reset the following features to the factory settings:

- ◆ Balance/Fader
- ◆ Treble/Mid/Bass
- ◆ EQ Presets
- ◆ Surround
- ▶ In the Audio Settings menu, select the menu item Reset Audio Settings.

  You will be prompted to confirm that you wish to reset the audio settings.
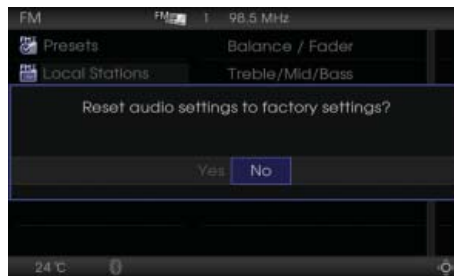
- ▶ Select Yes or No.

  The system will or will not reset the audio settings, depending on the answer you select.

Video settings

Please see chapter "Disc mode", section "Video DVD playback", subsection "Video settings" on page 97 for a description of the video settings.

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HD Radio (TM) information

Licensing information

HD Radio™ Technology Manufactured Under License From iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio™ and the HD Radio logo are proprietary trademarks of iBiquity Digital Corporation.

Availibilty information

HD Radio™ reception is available in the United States, including Alaska and Hawaii.

What is HD Radio™ technology?

The Driver Information System is able to receive standard analog FM/AM radio broadcasting as well as digital HD Radio™ FM/AM broadcasting.

HD Radio™ technology provides digital and analog reception using existing FM and AM broadcasting frequencies.

Currently, radio stations broadcasting an HD Radio™ signal are operating in a hybrid mode of both, analog and digital, in order to reach both receivers. In both modes, analog and digital, the broadcasted program content is the same (except of multicasting, see below).

Eventually, as analog receivers are replaced by digital ones, radio stations may be able to turn off their analog broadcasting and use only the digital one.

Multicasting

HD Radio™ FM stations are able to broadcast multiple digital program streams (channels) over a single FM frequency. For example, a HD Radio™ FM station can run a main channel of music and a sub channel of news (or even two different music channels) at one frequency.

But only the program content of the main channel is also broadcasted analog.

HD Radio™ signal delay

To overcome the delay that digital systems inherently produce, HD Radio™ technology first uses the audio signal of the analog broadcasting when you tune to an AM station or to the main channel of a FM station. After that, the system will blend from analog to digital signal.

Normally, this blending is very smooth. If you experience a skip in program content of several seconds, the radio station has not implemented HD Radio™ broadcasting correctly. This is not a problem with your Driver Information System.

Due to the fact that sub channels are only broadcasted digital, blending from analog to digital signal is not possible if you tune to a sub channel. In this case playback of the sub channel starts after several seconds, this is a normal function.

Automatic switching between digital and analog broadcasting

If the reception of the digital signal is lost, the system switches automatically to the analog signal. As soon as the digital signal is available again it will switch back.

Due to the fact that sub channels are only broadcasted digital, first the system mutes playback if you have tuned to a sub channel and the digital signal is lost.
Second, after 25 seconds with the digital signal lost, the system will automatically tune to the analog signal of the main channel.

Text based information

HD Radio™ stations are able to broadcast text based informations, e.g. station name, song title and artist name. The Driver Information System is able to display these informations.

FM and AM mode

General operation

Opening the FM or AM main menu

Opening the FM or AM main menu

▶ Press the 🔲 button.

or

▶ Press the **MODE** button on the steering wheel repeatedly until the FM or AM main menu appears.

ℹ If Navigation, Info or Phone is the active mode, switching to FM or AM mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the 🔲 button on the control panel.

FM main menu and upper status line while receiving an FM signal
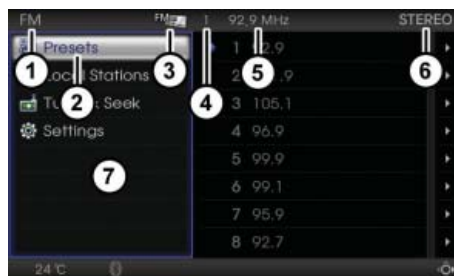
① Currently active main function
② Highlighted menu item in the main menu
③ Currently active entertainment source
④ Preset of the currently tuned station in the presets
⑤ Frequency or name of the currently tuned station (depends on the setting, see section "RDS off" on page 53)
⑥ Indicator for stereo reception
⑦ Main menu

FM main menu and upper/lower status line while receiving a digital FM HD Radio™ signal

① Currently active main function
② Highlighted menu item in the main menu
③ Currently active entertainment source
④ Preset of the currently tunded station in the presets
⑤ If transmitted name of the currently tuned station, else frequency
⑥ Indicator for HD Radio™ reception
⑦ If transmitted song title currently playing, else no display
⑧ Main menu

AM main menu and upper status line while receiving an analog AM signal
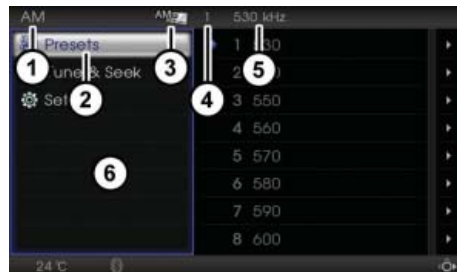
① Currently active main function
② Highlighted menu item in the main menu
③ Currently active entertainment source
④ Preset of the currently tuned station in the presets
⑤ Frequency of the currently tuned station
⑥ Main menu

AM main menu and upper/lower status line while receiving a digital AM HD Radio^{TM} signal

① Currently active main function
② Highlighted menu item in the main menu
③ Currently active entertainment source
④ Preset of the currently tuned station in the presets
⑤ If transmitted name of the currently tuned station, else frequency
⑥ Indicator for HD Radio^{TM} reception
⑦ If transmitted song title currently playing, else no display
⑧ Main menu

Switching bands

▶ Press the 🔲 button.

The system will switch band.

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Tuning to stations

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Overview

The following options are available:

◆ Tuning to a station via the station list, see page 44

◆ Tuning to a station via manual tuning or a search, see page 45

◆ Tuning to a station via the presets, see page 46

◆ Tuning to a station via the Scan function, see page 47

Tuning to a station via the station list

i This function is only available in the FM band. The station list contains all the currently receivable FM stations. It is sorted by frequency number and is automatically refreshed and updated by the system.

▶ **To request the station list:** Open the FM or AM main menu, see section "Opening the FM or AM main menu" on page 42.

▶ In the FM or AM main menu, select the menu item Local Stations.

The station list appears.
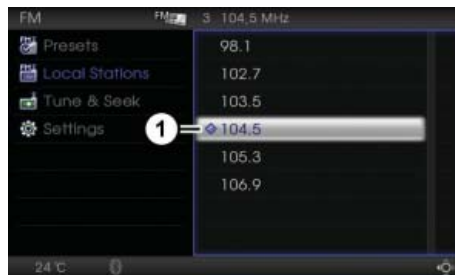
① Icon ◆ for the currently tuned station

▶ **To tune to a station:** Select the desired station in the station list.

The system tunes to the corresponding station.

If the selected station is a multicasting HD Radio™ FM station, the system tunes to the main channel of the corresponding station. The station list will show the main and the sub channel.

① Main channel
② Sub channel

▶ **To tune to a sub or a main channel:** Select the corresponding channel in the station list.

The system tunes to the corresponding channel.

Tuning to a station via manual tuning or a search

Using the steering wheel

▶ Press and hold the ⌄ or ⌃ button.

▶ The search proceeds downwards or upwards and stops at the next receivable station.

Using the central control panel

▶ **To open the Tune & Seek menu:** Open the FM or AM main menu, see section "Opening the FM or AM main menu" on page 42.

▶ In the FM or AM main menu, select the menu item Tune & Seek.

The Tune & Seek menu appears.

① Frequency indicator (shows the currently tuned frequency)
② Indicator.

The indicator ② shows one the following:

◆ HD 1 or HD 2 (in case the tuned station is a multicasting HD Radio™ station, see section "Tuning to a sub channel" below)

◆ HD (in case the tuned station is a non-multicasting HD Radio™ station)

◆ MHz or kHz (in case the tuned station is an analog radio station)

ⓘ If HD off is set in the settings (see section "Settings" on page 52), you have only access to analog radio stations. In this case, the indicator ② shows always MHz or kHz.

▶ **Manual tuning:** Turn ❨ ❩ the controller ◎.

The frequency increases or decreases, depending on the direction of rotation.

▶ **Search:** Push ⬆ ⬇ the controller ◎.

The seek proceeds upwards or downwards and stops at the next receivable station.

Tuning to a sub channel

Tuning to a HD Radio™ sub channel is only possible if the tuned station is a multicasting HD Radio™ station.
You can tell this by indicator ②, see picture above.

▶ **To tune to another channel:** Press the controller ◎.

The indicator ② is highlighted.

FM and AM mode

Tuning to stations

① Frequency indicator (not highlighted)
② Indicator (highlighted)

▶ Turn 〔 〕 the controller ◎.

The system tunes to the next or the previous channel.

▶ **To highlight the frequency indicator again:** Press the controller ◎.

① Frequency indicator (highlighted)
② Indicator (not highlighted)

Now you can operate the manual tuning or the search again.

Branching from the Tune & Seek menu directly to the presets

i This function is useful if you have tuned to a station in the Tune & Seek menu and wish to store it as a preset.

▶ Press and hold the controller ◎ until the presets appear.

Tuning to a station via the presets

i If you tune via the presets to a non-receivable sub channel of a FM HD Radio^{TM} station, the system mutes playback. In this case, tune to another receivable station.

Using the central control panel

▶ **To call up a preset:** Open the FM or AM main menu, see section "Opening the FM or AM main menu" on page 42.

▶ In the FM or AM main menu, select the menu item Presets.

The presets appear in the form of a list.
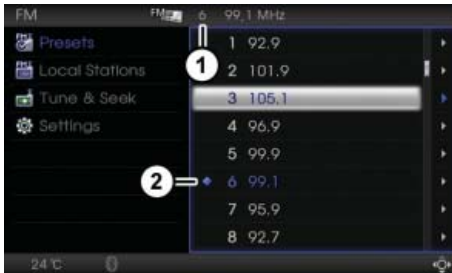
① Preset number of the currently tuned station
② Icon ◆ for the currently tuned station

▶ **To tune to a station:** Select the desired station in the list.

Using the steering wheel

▶ Briefly press the ⌄ or ⌃ button.

The system will tune to the previous or next station stored in the presets.

Tuning to a station via the Scan function

ℹ The Scan function searches through the selected band, stops at a receivable station, plays the station for five seconds and goes to the next receivable station. It will not search for FM HD Radio^{TM} sub channels.

▶ **To request the presets:** Open the FM or AM main menu, see section "Opening the FM or AM main menu" on page 42.

▶ In the FM or AM main menu, select the menu item Presets.

The preset appear.

① Presets

▶ **To open the Options menu:** In the presets push the controller ◎ once ➡.

The Options menu appears.

① Options menu
② Menu item Scan

▶ **To start the Scan function:** In the Options menu select the menu item Scan.

The Scan function starts, a corresponding Scan message is displayed.

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Tuning to stations

FM	100.1 MHz	
Station Memory	1. 100.1	▶
	SCAN in progress	
	▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌▌	
	Cancel	
	7.	▷
	8.	▷
	Status Line 2	
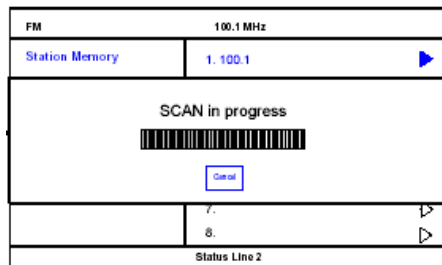
ℹ The Scan function will not search for FM HD Radio™ sub channels. The Scan function will stop automatically, if the frequency from where it has been started is reached again. You can also stop the Scan function manually.

▶ **To stop the Scan function manually:** Press the controller ◎.

The system will stop the Scan function.

or

▶ Briefly press the ⌄ or ⌃ button on the steering wheel.

The system will stop the Scan function.

Button ⌄ was pressed: The system will tune to the station stored in the preset 16.

Button ⌃ was pressed: The system will tune to the station stored in the preset 1.

or

▶ Press and hold the ⌄ or ⌃ button on the steering wheel until the Scan message disappears.

The system will stop the Scan function and activate the search function.

Button ⌄ was pressed: The seek proceeds downwards and stops at the next receivable station.

Button ⌃ was pressed: The seek proceeds upwards and stops at the next receivable station.

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ℹ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

ℹ There are 16 presets available for each band.

Calling up the station presets

▶ Open the FM or AM main menu, see section "Opening the FM or AM main menu" on page 42.

▶ In the FM or AM main menu, select the menu item Presets.

The presets appear in the form of a list. The currently tuned station is displayed in the top status line.

① Frequency or name of the currently tuned station (depends on the setting, see section "RDS off" on page 53)
② Preset number 6

Selecting a preset (e.g. preset number 6)

▶ Turn the controller ◎ until the preset number 6 is highlighted.

Storing the currently tuned station in the preset number 6

▶ **Option 1:** Press and hold the controller ◎ until the station is stored.

▶ **Option 2:** Push ➡ the controller ◎ once.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Store Station.

The station is stored.

Showing station details

Showing details of the currently tuned HD Radio^{TM} station

i The system is able to show the following details of the currently tuned HD Radio^{TM} station:

- ◆ Name and the frequency of the currently tuned HD Radio^{TM} station,
- ◆ the title name and the artist name of the title currently playing.

Opening the Options menu

In case of a multicasting FM HD Radio^{TM} station

▶ In the station list or in the presets, highlight the currently tuned channel.

Picture placeholder

① Highlighted channel

▶ Push ➡ the controller ◎.

The Options menu appears, see section "Options menu" below.

In case of a non-multicasting FM HD Radio^{TM} station or an AM HD Radio^{TM} station

▶ In the station list or in the presets, highlight the currently tuned channel.

▶ Push ➡ the controller ◎.

The Options menu appears, see section "Options menu" below.

Options menu

Picture placeholder

① Menu item Details
② Options menu

▶ **To open the details screen:** In the Options menu, select the menu item Details.

You will see the details screen.

i The menu item Details has no function if the highlighted station is not the currently tuned station or if it is not a HD Radio^{TM} station.

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Showing station details

▶ **To close the details screen:** Press the controller ◎.

FM and AM mode
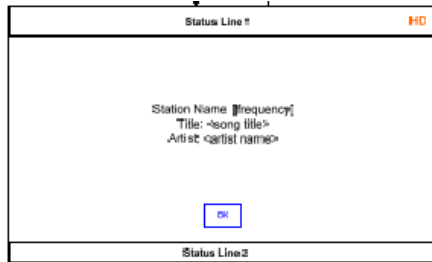
Settings

Overview

The settings include the following functions:

- HD off, see page 52
- RDS off, see page 53

Opening and closing the Settings menu

Opening the Settings menu

▶ Open the FM or AM main menu, see section "Opening the FM or AM main menu" on page 42.

▶ In the FM or AM main menu, select the menu item Settings.

The Settings menu appears.
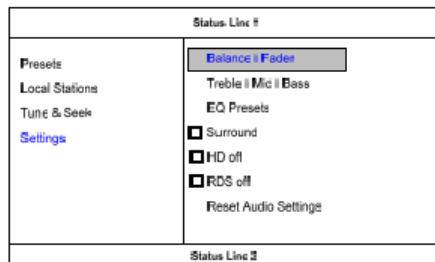
① Menu item Settings
② Settings menu

Closing the Settings menu

▶ Briefly press the BACK button.

HD off

ℹ️ With this function switched on, you have access to analog FM/AM stations only.

▶ Open the Settings menu, see section "Opening and closing the Settings menu" on page 52.
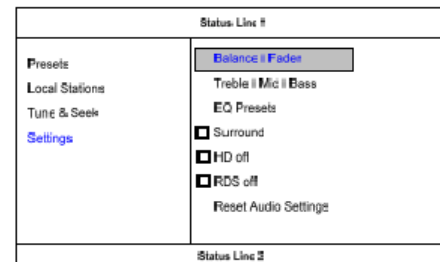
① Settings menu
② Menu item HD off
③ Status display

▶ Select the menu item HD off.

Depending on the previous status, the function will be switched on or off.

The status display ③ changes accordingly.

- Display ☐ = function switched off
- Display ☑ = function switched on

RDS off

i With this function switched on, the upper status line always shows the frequency of the currently tuned analog FM radio station. With this function switched off, the upper status line shows the station name if transmitted by the analog FM radio station, else the frequency will be displayed.
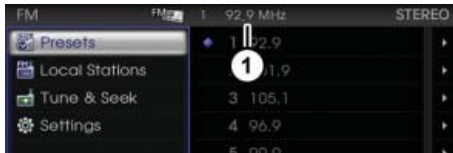
① Station name or frequency

▶ Open the Settings menu, see section "Opening and closing the Settings menu" on page 52.
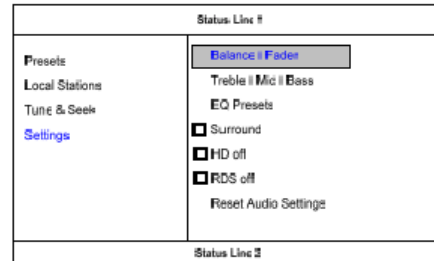
① Settings menu
② Menu item RDS off
③ Status display

▶ Select the menu item RDS off.

Depending on the previous status, the function will be switched on or off.

The status display ③ changes accordingly.

◆ Display ☐ = function switched off

◆ Display ☑ = function switched on

Settings

XM Satellite Radio information/General operation

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

XM® Satellite Radio information

Licensing information

SATELLITE RADIO

XM® and the XM® logos are registered trademarks of XM Satellite Radio Inc.

Availibility information

XM® Satellite Radio is available in the United States (except Alaska and Hawaii) and Canada.

What is XM® Satellite Radio?

XM® Satellite radio offers the reception of a multitude of stations - all in digital quality. A wide range of programs is available, e.g. music, sports, news, and entertainment, all largely without the interruption of advertisements.

Using of XM® Satellite Radio

Before using the XM® Satellite Radio service, you must sign up with the provider XM® Satellite Radio. The provider needs the Radio ID number which can be displayed in the Settings menu, see section "Settings" on page 65.

ℹ️ If you have tuned to channel 0, the Radio ID number will also be displayed in the lower statusline, see section "Opening the XM® Satellite Radio main menu" on page 57.

Without sign up, only the free-to-air channels of XM® Satellite Radio are available. Channel 1 (preview/promotional channel) is one example. But there may be other free-to-air channels.

The XM® Satellite Radio program is available for a modest monthly fee. XM® Satellite Radio may request payment of an additional fee to enable certain channels.

For further information about XM® Satellite Radio please visit the following website:

www.xmradio.com

General operation

Opening the XM® Satellite Radio main menu

▶ Press the XM button.

or

▶ Press the MODE button on the steering wheel repeatedly until the XM® main menu appears.

i If Navigation, Info or Phone is the active mode, switching to XM® Satellite Radio mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the XM button on the control panel.

The following illustration shows the XM® Satellite Radio main menu with the main menu activated.

Picture placeholder

① Currently active main function
② Highlighted menu item in the main menu
③ Currently active entertainment source
④ Preset of the currently tuned channel in the presets
⑤ Channel name or number of the currently tuned channel (depends on the setting, see section "Settings" on page 65)
⑥ Indicator for XM® Satellite Radio mode
⑦ If transmitted song title currently playing, else no display

i If you have tuned to channel 0, the display ⑦ shows the Radio ID number.
⑧ Main menu

Tuning to channels

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Overview

The following options are available:

- Tuning to a channel via the channel presets, see page 58
- Tuning to a channel via the Scan function, see page 59
- Tuning to a channel via the channel list, see page 60
- Tuning to a channel via the category list, see page 61
- Tuning to a channel via channel number input, see page 63

Tuning to a channel via the channel presets

Using the central control panel

▶ **To request the presets:** Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Presets.

The presets appear.

Picture placeholder

① Preset number of the currently tuned channel
② Icon ◆ for the currently tuned channel

▶ **To tune to a channel:** Select the desired channel in the presets.

i A status screen appears if the selected channel is no longer available, see section "Status screen "Selected XM channel is no longer available"" on page 69.

▶ **To show details of the currently tuned channel:** Highlight the currently tuned channel in the presets.

▶ Push ➡ the controller ◎.

The Options menu appears.

Picture placeholder

① Options menu
② Menu item Details

▶ In the Options menu, select the menu item Details.

You will see the details screen.

Picture placeholder

▶ **To close the details screen:** Press the controller ⊚.

Using the steering wheel

▶ Briefly press the ⌄ or ⌃ button.

The system will tune to the previous or next channel stored in the presets.

Tuning to a channel via the Scan function

i The Scan function searches through the subscribed channels, stops at a receivable channel, plays the channel for five seconds and goes to the next channel.
The Channel 0 is not covered by the Scan function.
In the settings, see section "Settings" on page 65, you can set a category filter for the Scan function.

▶ **To request the presets:** Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Presets.

The presets appear.

Picture placeholder

① Presets

▶ **To open the Options menu:** In the presets push the controller ⊚ once ➡.

The Options menu appears.

Picture placeholder

① Options menu
② Menu item Scan

Tuning to channels

▶ **To start the Scan function:** In the Options menu, select the menu item Scan.

The Scan function starts, a corresponding message is displayed.

Picture placeholder

ℹ️ The Scan function will stop automatically, if the channel from where it has been started is reached again. You can also stop the Scan function manually.

▶ **To stop the Scan function manually:** Press the controller ◎.

The system will stop the Scan function.

or

▶ Briefly press the ⌄ or ⌃ button on the steering wheel.

The system will stop the Scan function.

Button ⌄ was pressed: The system will tune to the channel stored in the preset 16.

Button ⌃ was pressed: The system will tune to the channel stored in the preset 1.

or

▶ Press and hold the ⌄ or ⌃ button on the steering wheel until the Scan message disappears.

The system will stop the Scan function.

Button ⌄ was pressed: The system will tune to the previous channel in the channel list.

Button ⌃ was pressed: The system will tune to the next channel in the channel list.

Tuning to a channel via the channel list

ℹ️ The channel list contains only channels you have subscribed. In the settings, see section "Settings" on page 65, you can set a category filter for the list.

Using the steering wheel

▶ Press and hold the ⌄ or ⌃ button.

▶ The system tunes to the previous or next channel in the channel list.

Using the central control panel

▶ **To request the channel list:** Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Channel List.

The channel list appears.

Tuning to channels

Picture placeholder

Picture placeholder

① Icon ◆ for the currently tuned channel
② Channel number
③ Channel name

▶ **To tune to a channel:** Select the desired channel in the channel list.

▶ **To show details of the currently tuned channel:** Highlight the currently tuned channel in the channel list.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, press the controller ◎.

You will see the details screen.

Picture placeholder

▶ **To close the details screen:** Press the controller ◎.

Tuning to a channel via the category list

▶ **To request the category list:** Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Category List.

The category list appears.

① Category list

Tuning to channels

▶ Select the desired category.

The channel list according to the selected category appears.
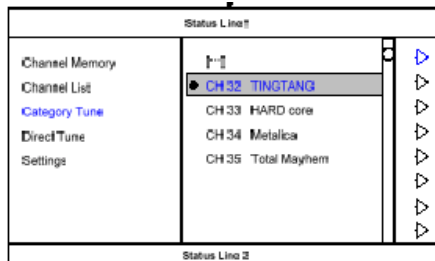
① Item for going back to the category list
② Currently tuned channel
③ Channel name
④ Channel number

i If no channel is available for the selected category, the list will be empty except for the item ①.

▶ Select the desired channel.

▶ **To go back to the category list:** Select the item ① in the channel list or press the **BACK** button.

▶ **To show details of the currently tuned channel:** Highlight the currently tuned channel in the channel list.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, press the controller ◎.

You will see the details screen.

▶ **To close the details screen:** Press the controller ◎.

Tuning to a channel via channel number input

ℹ️ The channel number input is restricted to channels you have subscribed

▶ **To request the channel number input menu:** Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Direct Tune.

The channel number input menu appears. The number of the currently tuned channel is displayed and the first digit of the channel number is highlighted.

① First digit of the channel number (highlighted)
② Second digit of the channel number
③ Third digit of the channel number
④ Channel related information

ℹ️ You can enter the channel number digit by digit. The input of a digit will be not available if the digit combination will result in a chanel number which is not subscribed or out of range.

▶ **To enter the first digit:** Turn 〖 〗 the controller ◎ until the desired first digit is displayed.

▶ After that, press the controller ◎.

The second digit is highlighted.

▶ **To enter the second digit:** Turn 〖 〗 the controller ◎ until the desired second digit is displayed.

▶ After that, press the controller ◎.

The third digit is highlighted.

▶ **To enter the third digit:** Turn 〖 〗 the controller ◎ until the desired third digit is displayed.

▶ After that, press the controller ◎.

The channel number input is finished and the system tunes to the corresponding channel.

Branching from the channel number input menu directly to the presets

ℹ️ This function is useful if you have tuned to a channel in the channel number input menu and wish to store it as a preset.

▶ Press and hold the controller ◎ until the presets appear.

63

Storing channels

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

i You can store the currently tuned channel in the channel presets. There are 16 presets available in the channel preset.

Storing a channel

▶ Tune to the desired channel, see section "Tuning to channels" on page 58.

▶ **To request the presets:** Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Presets.

The presets appear.
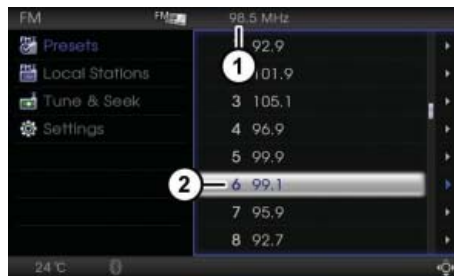
① Currently tuned channel
② Icon ◆ for the currently tuned channel

▶ **To select a preset (e.g. preset number 6):** Turn ⟨ ⟩ the controller ◎ until the preset number 6 is highlighted.

▶ **Storing the currently tuned station in the preset number 6:** Press and hold the controller ◎ until the channel is stored.

or

▶ Push ➡ the controller ◎.

The Options menu appears.

Picture placeholder

① Options menu

▶ In the Options menu, select the menu item Store Channel.

The channel is stored.

Overview

The XM® Radio settings include the following functions:

- ◆ Set the display in the upper status line, see page 66
- ◆ Set the category filter for the channel list, see page 66
- ◆ Show the Radio ID number, see page 67

Opening the XM® Radio settings menu

▶ Open the XM® Satellite Radio main menu, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ In the XM® Satellite Radio main menu, select the menu item Settings.

The Settings menu appears.

Status Line 1	
Channel Memory	Balance / Fader
Channel List	Treble / Mid / Bass
Category Tune	EQ Presets
Direct Tune	☐ Surround
Settings	XM Radio
	Reset Audio Settings
Status Line 2	
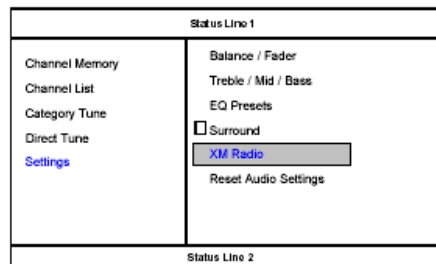
① Settings menu

▶ In the Settings menu, select the menu item XM Radio.

The XM® Radio settings menu appears.

Status Line 1	
Channel Memory	Display by CH Number
Channel List	Category Filter
Category Tune	Radio ID
Direct Tune	
Settings	
Status Line 2	
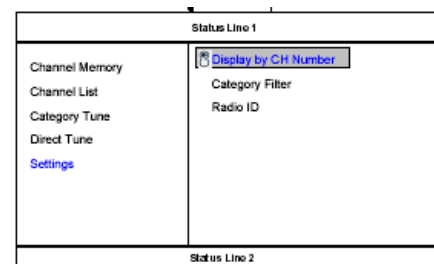
① XM® Radio settings menu

Closing the XM® Radio settings menu

▶ Briefly press the BACK button.

Settings

Set the display in the upper status line

ℹ️ With this function, you can set whether the channel number or the channel name is displayed in the upper status line.

▶ Open the XM® Radio settings menu, see section "Opening the XM® Radio settings menu" on page 65.
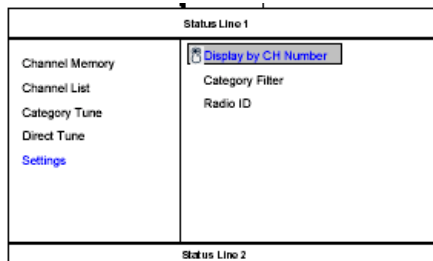
① Status display
② Topmost menu item
③ XM® Radio settings menu

The labelling of the topmost menu item shows the current setting. It will change with every selection, the status display changes accordingly.

Possible labellings:

◆ Display by CH Number (Upper status line shows channel number instead of channel name)

◆ Display by CH Name (Upper status line shows channel name instead of channel number)

▶ **To change the setting:** In the XM® Radio settings menu ③, select the topmost menu item ②.

Set the category filter for the channel list

ℹ️ With this function, you can set one or more category filters. After that, only channels matching to the filter setting are shown in the channel list. Additionally, the Scan function plays only channels matching to the filter setting.

▶ Open the XM® Radio settings menu, see section "Opening the XM® Radio settings menu" on page 65.
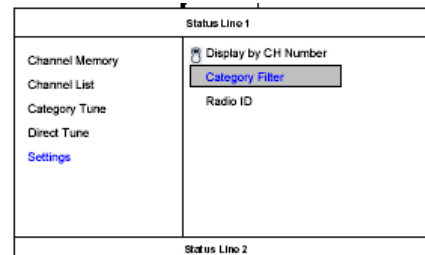
① Menu item Category Filter

▶ **To request the category list:** In the XM® Radio settings menu, select the menu item Category Filter.

You will see the category list.

66
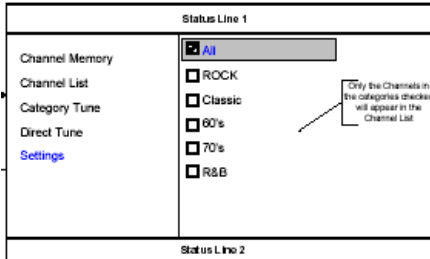
① Status display
② Category filter
③ Category filter list

▶ **To set a category filter:** Select the desired filter .

The status display ③ changes accordingly.

- ◆ Display ☐ = Filter is deactivated
- ◆ Display ☑ = Filter is activated

ⓘ You can activate several filters at the same time. If you activate the filter "All", all other filters are automatically deactivated.
As soon as you activate one of the other filters, the filter "All" is automatically deactivated.

▶ **To close the category list and go back to the XM® Radio settings menu:** Briefly press the **BACK** button.

Show the Radio ID number

ⓘ Before using the XM® Satellite Radio service, you must sign up with the provider XM Satellite Radio. The provider needs the Radio ID number.

▶ Open the XM® Radio settings menu, see section "Opening the XM® Radio settings menu" on page 65.
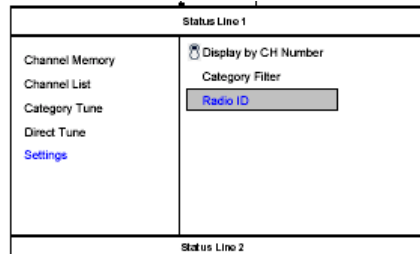
① Menu item Radio ID

▶ **To show the Radio ID number:** Select the menu item Radio ID.

You will see the Radio ID number.
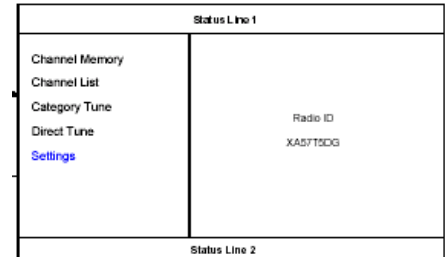
ⓘ If you have tuned to channel 0, the Radio ID number will also be displayed in the lower statusline, see section "Opening the XM® Satellite Radio main menu" on page 57.

▶ **To go back to the XM® Radio settings menu:** Briefly press the **BACK** button.

Status screens and messages

Status screen "Channel Unauthorized"

If you try to tune to a non-subscribed channel, the status screen ② shown below appears.
Additionally, the upper status line shows the status message ① (CHANNEL UNAUTHORIZED).

Picture placeholder

① Status message
② Status screen

▶ **To close the status screen:** Press the controller ◎.

The status screen and status message disappears and the system tunes to the channel heard before.

If the currently tuned channel becomes unauthorized, the same status screen and the same status message as described above appears.

▶ **To close the status screen:** Press the controller ◎.

The status screen and status message disappears and the system tunes to the channel 1.

Status screen "No signal"

If the received signal is not strong enough, the status screen ② shown below appears. Additionally, the upper status line shows the status message ① (NO SIGNAL).

Picture placeholder

① Status message
② Status screen

▶ **To close the status screen:** Press the controller ◎.

The status screen ② disappears, but the status message ① will be displayed as long as the received signal is not strong enough.

In this case, operation of the system is possible, but the status screen ② appears again, as soon as you try to tune to another channel.

If the received signal is strong enough again, the status message ② disappears and the system tunes automatically to your last tuned channel.

Status screen "Loading XM"

If the tuner acquires audio or information/decoding data, the status screen ② shown below appears. Additionally, the upper status line shows the status message ① (LOADING).

Picture placeholder

① Status message
② Status screen

▶ **To close the status screen:** Press the controller ◯.

The status screen ② disappears, but the status message ① will be displayed unitl the process has been finished.

In this state, operation of the system is possible, but the status screen ② appears again, as soon as you try to tune to another channel.

If the process has been finished, the status message ② disappears and the system tunes automatically to your last tuned channel.

Status screen "Selected XM channel is no longer available"

If you tune to channel which is no longer available, the status screen ② shown below appears. Additionally, the upper status line shows the status message ① (CHANNEL UNAVAILABLE)

Picture placeholder

① Status message
② Status screen

▶ **To close the status screen:** Press the controller ◯.

The system tunes to the channel heard before.

Status screen "Check Antenna"

If the antenna is not connected properly, the status screen ② shown below appears. Additionally, the upper status line shows the status message ① (CHECK ANTENNA).

XM Satellite Radio mode

Status screens and messages

Picture placeholder

① Status message
② Status screen

▶ **To close the status screen:** Press the controller ◎.

The status screen ② disappears, but the status message ① will be displayed until the antenna is connected properly.

Status message "OFF AIR"

If you have tuned to a channel and the channel goes off air, the upper status line shows a corresponding status message ①. The channel list shows also the message, instead of the channel name.
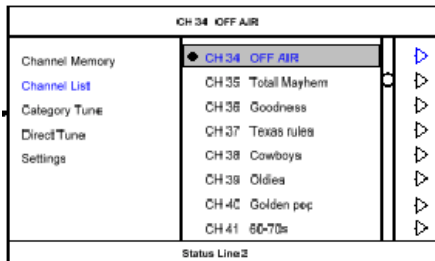
CH 34 OFF AIR	
Channel Memory	◆ CH 34 OFF AIR ▷
Channel List	CH 35 Total Mayhem ▷
Category Tune	CH 36 Goodness ▷
Direct Tune	CH 37 Texas rules ▷
Settings	CH 38 Cowboys ▷
	CH 39 Oldies ▷
	CH 40 Golden pop ▷
	CH 41 60-70s ▷
Status Line 2	

① Status message

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Disc mode

General information

Safety instructions

> **⚠ WARNING**
>
> The Driver Information System is a class 1 laser product.
>
> **CLASS 1**
> **LASER PRODUCT**
> DIN EN 60825-1:2003-10
>
> Invisible laser radiation poses a risk of injury to the eyes if the cover is opened or damaged.
>
> ◆ Do not open the housing.
>
> ◆ The Driver Information System does not contain any user-serviceable parts.
>
> ◆ For safety reasons, any maintenance work must be performed exclusively by qualified service experts.

License notice

dts
Digital Surround

Manufactured under license under U.S. Patent #'s: 5,451,942;5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

DOLBY
D I G I T A L

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Automatic video lock-out

ℹ Switching the gear is described in detail in the vehicle's operation manual. Please pay attention to the corresponding descriptions and safety instructions in the vehicle's operation manual.

In the interest of safety, video CD/DVD playback is only possible if the gear stick is in position **P**.

Else you will see a corresponding message in the display.
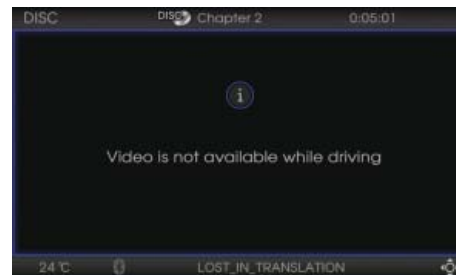
The system switches the picture back on as soon as the gear stick is in position **P**.

The video CD/DVD playback sound is not affected by the lock-out.

General information

Supported discs

The Driver Information System supports the following CDs and DVDs:

- CD-DA (audio CD)
- CD-ROM
- CD-R/RW
- VCD (video CD)
- DVD-Video (single- and dual-layer)
- DVD-Audio
- DVD-ROM (single- and dual-layer)
- DVD-R/RW

i Audio CDs with copy protection do not comply with the standard and may not be able to be played.
It may be possible to play DVD-R and DVD-RW discs, however this cannot be guaranteed.

Permissible file systems

- ISO9660/Joliet for CDs
- UDF for DVDs

Multisession CDs

On multisession CDs, the content of the first session determines how the Driver Information System handles the CD.

If the first session contains data in the audio CD format, for example, and the second session contains MP3 or wma tracks, the system will handle the CD as a conventional audio CD. This means that the MP3 or wma tracks cannot be accessed.

If the first session contains MP3 or wma tracks, for example, and the second session contains data in the audio CD format, the system will not handle the CD as an audio CD. In this case, only the MP3 or wma tracks can be accessed.

Mixed Mode CD/CD-Extra

Mixed Mode CDs are CDs that contain data in the audio CD format as well as other data, such as pictures. The Driver Information System can play back neither the audio data nor the other data from this type of CD.

CDs with the designation "CD-Extra" can have the same content as Mixed Mode CDs. With CD-Extra CDs, however, the data is stored in a different manner. The Driver Information System can play back the audio data from these CDs.

i These CDs can also bear the designation "CD Plus" or "Enhanced CD".

General information

MP3 or wma discs

File structure

When creating MP3 or wma discs, you can organize the tracks into folders. Folders can also contain further folders (subfolders). A disc may have a maximum of 255 folders in total. A maximum of 255 tracks and 255 subfolders are permissible per folder, with a maximum nesting depth of 8 folder levels.
The system cannot access more deeply nested folders. The same applies to the tracks stored in these folders.
A maximum of 4000 tracks in total are permissible per disc.
Below you will find an example of a file structure.
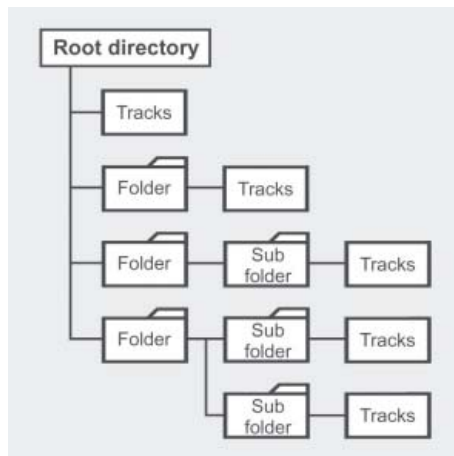
Track and folder names

When creating MP3 or wma discs, you can assign names to the tracks and to the folders. The Driver Information System uses these names for the corresponding display when playing the disc. Empty folders or folders containing data other than MP3 or wma tracks are not displayed by the system.

i The Driver Information System does not support ID3 tags.

Please note the following when assigning track names:

◆ Track names must contain at least one character and should not contain more than one hundred characters. The system cannot display names with more than one hundred characters.

◆ Track names must have the extension "mp3" (MP3 tracks) or „wma" (wma tracks).

◆ A period must appear between the track name and the extension.

Example of a correct MP3 track name: Track 1.mp3

The system will not recognize an MP3 or wma track if:

◆ there is no period between the track name and the extension

◆ the extension is missing

Supported format

The Driver Information System supports the wma format (without digital rights management DRM) and the MPEG1 audio layer 3 format.

i In everyday speech, the MPEG1 audio layer 3 format has been replaced by the designation "MP3".

Supported bit and sampling rates

◆ Fixed and variable bit rates up to 320 kbps

◆ Sampling rates from 24 kHz to 48 kHz

i Only use MP3 or wma tracks with a bit rate of 128 kbps or higher and with a sampling rate of 44.1 kHz or higher. Lower rates may result in audibly impaired quality. This is particularly true if the surround function is activated.

Note on copyright

The music tracks that you can create for MP3 or wma playback or can play back in MP3 or wma mode are generally copyright-protected under applicable international and national laws.

In many countries, the reproduction of copyrighted material is not permitted, even if only for personal use, without the express prior consent of the copyright holder.

Please check the current copyright laws for your country and comply with them.

These restrictions do not apply, for example, to your own compositions and recordings, or to recordings for which authorization has been obtained from the copyright holder.

Notes on discs

⚠ **CAUTION**

Do not attach stickers or labels of any kind to discs. They may come loose and damage the Driver Information System.

The Driver Information System has been designed for playback of discs conforming to the standard IEC 60908. Therefore, only discs with a maximum thickness of 1.3 mm (0.0472") can be used. If a thicker disc is used, the system may be damaged.

Do not use 8 cm (3.15") diameter discs, not even with an adapter. Only use round, 12 cm (4.72") diameter discs.

Do not insert any other objects than the discs described above into the disc slot. Damage to the disc changer may occur.

Do not load warped or poor quality discs into the magazine as damage to the disc changer may occur.

(continued)

Disc mode

General information

- Audio CDs with copy protection do not comply with the standard and may not be able to be played.

- When playing copied discs, problems may occur with the playback.

- A wide variety of discs, burning software and burners are available. Due to this wide variety, we cannot guarantee that the system will be able to play every user-burned disc.

- There may be problems playing back user-burned CDs with a storage capacity of more than 700 MB. These CDs do not meet current valid standards.

Notes on the care of discs

- Only touch the discs at the edges.

- Handle discs with care in order to avoid malfunctions during playback.

- Avoid scratching, leaving fingerprints and dust on the discs.

- Clean the discs occasionally with a commercially available cleaning cloth. Always wipe in a straight line from the inside outwards, never in a circular motion.

- The discs must only be labeld using pens specially designed for this purpose.

- After use, put the discs back into the box.

- Protect the discs from heat and direct sunlight.

Notes on playback

If it is raining, at high humidity or after heating was working, the humidity may condense at the optical lens of the disc changer.
In this case, the disc changer can not work well. Remove the disc from the disc changer and wait until the optical lens is dried.

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Safety instruction

⚠ **WARNING**

If you load the magazine when driving, you may be distracted from the traffic situation, thus increasing the accident hazard.

Only load the magazine when the vehicle is stationary.

General information

The Driver Information System features a built-in disc changer magazine with six compartments.

If the disc is printed on one side, this side must face upwards when loading the magazine. If neither side is printed, the side to be played must face downwards.

Loading the magazine automatically terminates playback of another disc.

Loading the first available empty magazine compartment

i The following description only applies to scenarios where a mode other than disc mode is active, for example in telephone mode.
If you wish to load a magazine compartment when disc mode is active, please proceed as described in the section "Loading a specific empty magazine compartment", see page 78.
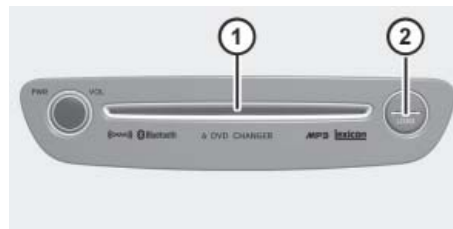
① Disc slot
② LOAD button

⚠ **CAUTION**

Only insert a disc into the disc slot ① when the display shows the message Please insert Disc. The Driver Information System may be damaged if you insert a disc before this message is displayed.

▶ Briefly press the LOAD button.

After a short time, the system will prompt you to insert a disc with the message Please insert Disc.

Disc mode

Loading the disc changer magazine

▶ Insert a disc into the slot ①.

The system will load the disc into the appropriate magazine compartment and then play it.

ℹ️ If you wait too long before inserting the disc, the system will abort the loading procedure.

Loading a specific empty magazine compartment

Opening the Disc main menu

ℹ️ You cannot open the Disc main menu if the magazine is completely ejected. The message No playable disc available will appear instead. If this happens, proceed as described in the previous section "Loading the first available empty magazine compartment". The system will automatically load magazine compartment 1 in this case.

▶ Press the 🔲 button.

Either the Disc or the AUX main menu appears.

If the AUX main menu appears:

▶ Press the 🔲 button again.

The Disc main menu appears.

or

▶ Press the MODE button on the steering wheel repeatedly until the Disc main menu appears.

ℹ️ If Navigation, Info or Phone is the active mode, switching to disc mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the 🔲 button on the control panel.

① Occupied magazine compartments
② Disc main menu
③ Empty magazine compartments

Loading the disc changer magazine

Selecting the magazine compartment to load

▶ Highlight an empty magazine compartment in the Disc main menu ②.

ℹ️ If you highlight a magazine compartment that is already occupied, then the system will automatically load the disc into the first available empty compartment.

Loading the selected magazine compartment
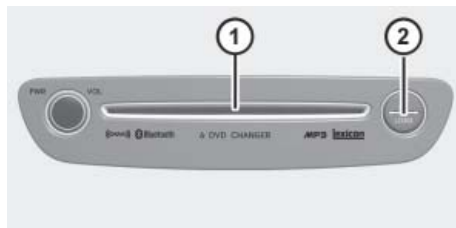
① Disc slot
② LOAD button

⚠️ **CAUTION**

Only insert a disc into the disc slot ① when the display shows the message Please insert Disc. The Driver Information System may be damaged if you insert a disc before this message is displayed.

▶ Briefly press the LOAD button.

After a short time, the system will prompt you to insert a disc with the message Please insert Disc.

▶ Insert a disc into the slot ①.

The system will load the disc into the appropriate magazine compartment and then play it.

ℹ️ If you wait too long before inserting the disc, the system will abort the loading procedure.

Loading all empty magazine compartments

ℹ️ You can also load all empty magazine compartments in modes other than disc mode, for example it also works in telephone mode.
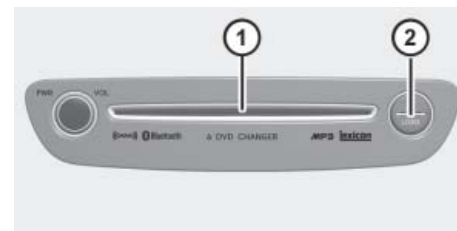
① Disc slot
② LOAD button

Disc mode

Loading the disc changer magazine

> ⚠️ **CAUTION**
>
> Only insert a disc into the disc slot ① when the display shows the message Please insert Disc. The Driver Information System may be damaged if you insert a disc before this message is displayed.

▶ Press and hold the **LOAD** button until you hear a beep sound.

The system prompts you to insert a disc with the message Please insert Disc.
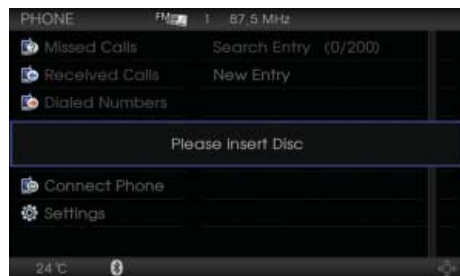
▶ Insert a disc into the slot ①.

The system will load the disc and once more prompt you to insert the next disc with the message Please insert Disc.

ℹ️ If you wait too long before inserting the disc or do not load a further disc, the system will stop the loading procedure and play the last inserted disc.

▶ Repeat the last step after each prompt until all of the magazine compartments have been loaded.

After the last magazine compartment has been loaded, the system will automatically play the appropriate disc.

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

⚠️ **WARNING**

If you eject the magazine when driving, you may be distracted from the traffic situation, thus increasing the accident hazard.

Only eject the magazine when the vehicle is stationary.

If the disc slot is obstructed and you eject the magazine, this may cause fire or electrical shock and may damage the system.

Only eject the magazine if the disc slot is not obstructed.

Ejecting the magazine compartment containing the last disc played

ℹ️ You can also eject this magazine compartment if a mode other than disc mode is active, for example in telephone mode. If the last disc played is no longer available, the system will eject the first available occupied magazine compartment. If you wish to eject a specific magazine compartment when disc mode is active, please proceed as described in the section "Ejecting a specific magazine compartment", see page 81.
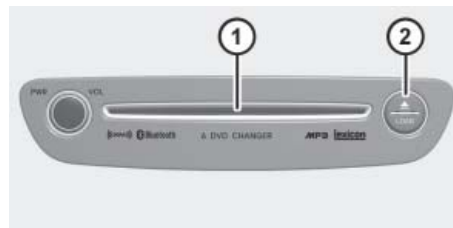
① Disc slot
② ▲ button

▶ Briefly press the ▲ button.

The system will eject the respective disc.

▶ Remove the disc from the slot ①.

ℹ️ If you wait too long before removing the disc, the system will automatically pull it back in after a certain time.

Ejecting a specific magazine compartment

▶ Press the DISC/AUX button.

Either the Disc or the AUX main menu appears.

If the AUX main menu appears:

▶ Press the DISC/AUX button again.

The Disc main menu appears.

or

Disc mode

Ejecting the disc changer magazine

▶ Press the **MODE** button on the steering wheel repeatedly until the Disc main menu appears.

ℹ If Navigation, Info or Phone is the active mode, switching to disc mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the **DISC AUX** button on the control panel.


① Occupied magazine compartments
② Disc main menu
③ Empty magazine compartments

Selecting the magazine compartment to eject

▶ Highlight an occupied magazine compartment in the Disc main menu.

ℹ If you highlight a magazine compartment that is already empty, then the system will eject the disc currently playing.

Ejecting the selected magazine compartment
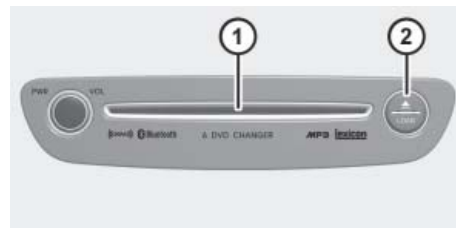
① Disc slot
② ▲ button

▶ Briefly press the ▲ button.

The system will eject the disc.

▶ Remove the disc from the slot ①.

ℹ If you wait too long before removing the disc, the system will automatically pull it back in after a certain time.

Ejecting all magazine compartments

ℹ You can also eject all magazine compartments in modes other than disc mode, for example it also works in telephone mode.
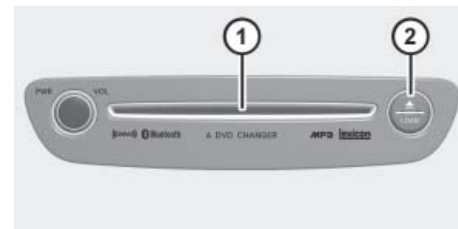
① Disc slot
② ▲ button

Ejecting the disc changer magazine

▶ Press and hold the ▲ button until the first disc will be ejected.

▶ Remove the disc from the slot ①.

The system will eject the next disc.

ℹ️ If you wait too long before removing the disc, the system will automatically pull it back in after a certain time and abort ejecting of the magazine compartments.

▶ Repeat the last step until the magazine is empty.

Disc mode

Audio disc playback

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Switching to disc mode and starting audio disc playback

Option 1

▶ Load the magazine with an appropriate disc, see the section "Loading the disc changer magazine" from page 77.

Option 2

▶ Press the **DISC AUX** button.

The system will switch to either disc or AUX mode.

If the system switches to AUX mode:

▶ Press the **DISC AUX** button again.

or

▶ Press the **MODE** button on the steering wheel repeatedly until disc mode appears in the display.

i If Navigation, Info or Phone is the active mode, switching to disc mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.

If you want to switch the display also, you must use the **DISC AUX** button on the control panel.

The system will resume playing the last disc played if available, otherwise it will play the next available disc.

If it is a video disc, please select an audio CD in the Disc main menu, see the section "Selecting and playing discs" on page 96.

If the magazine is empty, the message No playable disc available appears. If this happens, load the magazine with an appropriate disc, see the section "Loading the disc changer magazine" from page 77.

Disc main menu

During playback of an audio CD

① Mode display
② Disc main menu with list of discs
③ Disc icon
④ Track currently playing
⑤ Track list of the disc currently playing
⑥ Name of the disc currently playing
⑦ Play icon ▶ for the track currently playing
⑧ Disc currently playing
⑨ Icon ▣ for an audio CD
⑩ Play icon ▶ for the disc currently playing

Audio disc playback

During playback of an MP3 or wma CD

① Mode display
② Disc main menu with list of discs
③ Disc icon
④ Track currently playing
⑤ Track or folder list of the disc currently
   playing
⑥ Name of the disc currently playing
⑦ Play icon ▶ for the track currently
   playing or the current folder
⑧ Disc currently playing
⑨ Icon ▦ for an MP3 CD
⑩ Play icon ▶ for the disc currently
   playing

ℹ The display ⑥ shows also the folder
   currently playing if the track currently
   playing is stored in a folder.

During playback of an audio DVD

① Mode display
② Disc main menu with list of discs
③ Disc icon
④ Track currently playing
⑤ Track list of the disc currently playing
⑥ Name of the disc currently playing
⑦ Play icon ▶ for the track currently
   playing
⑧ Disc currently playing
⑨ Icon ▦ for an audio DVD
⑩ Play icon ▶ for the disc currently
   playing

**Displaying the disc, track and folder
names**

The list of discs in the Disc main menu ②
shows the discs available in the magazine
by their names, provided the names are
stored on the discs. If there are no names
stored, the respective disc type is
displayed.

The track or folder list ⑤ shows the tracks
or folders on the disc currently playing.

In the case of audio CDs and audio DVDs,
the tracks are displayed with their names if
the names are stored on the disc. If there
are no names stored, "Track" followed by
the appropriate track number is displayed.

In the case of MP3 or wma CDs, the system
uses the names assigned during creation
of the CD to display the CD, track and
folder names. Any ID3 tags in the files are
ignored.

Audio disc playback

If a track or folder name is too long, the system will display it in abbreviated form. This is indicated by the three dots "…" at the end of the name. If this happens, you can call up a complete name display.

① Abreviated track name

Calling up a complete name display

▶ **To open the Options menu:** Highlight the desired track or folder and push ➡ the controller ◎.

① Options menu

▶ **To call up a track name display:** In the Options menu, select the menu item Details.

After selecting the menu item Details, the complete track name display appears.
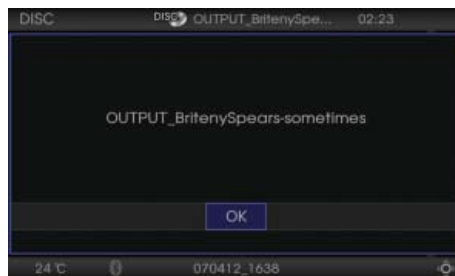
▶ **To close the display:** Press the controller ◎.

Unknown discs

Discs that have not yet been played after the magazine has been loaded are not known to the system. They are displayed as follows.

① Icon ⬛ for an unknown disc
② Display for the unknown content of the unknown disc

As soon as an unknown disc is played, display takes place as previously described in the section "Displaying the disc, track and folder names", see page 85.

Audio disc playback

The system does not store the data, therefore after a disc is removed from the magazine and reinserted at a later date, it may be unknown to the system once more.

Selecting and playing discs

Selecting using the central control panel

① Icon ▭ for a video CD
② Icon ▭ for a video DVD
③ Icon ▭ for an audio DVD
④ Icon ▭ for an audio CD
⑤ Icon ▭ for an MP3 CD
⑥ Disc main menu with list of discs
⑦ Play icon ▶ for the disc currently playing

▶ Select an audio disc in the list of discs in the Disc main menu.

Selecting using the steering wheel

▶ Press and hold the ∨ or ∧ button.

The system will play the previous or next disc, depending on the button pressed.

ℹ The previous or next disc may also be a video disc, depending on how the magazine compartments are loaded.

Pausing or resuming playback

① Play icon ▶
② Track currently playing (highlighted)

▶ **To pause:** Highlight the track currently playing and press the controller ◎.

The play icon ▶ will change to the pause icon ▥.

▶ **To resume:** Highlight the track currently playing once more and press the controller ◎.

The pause icon ▥ will change to the play icon ▶.

Selecting tracks

Skipping tracks forward/back

▶ Briefly press the ∧ or ∨ button on the steering wheel.

The system will execute the track skip corresponding to the button pressed.

ℹ 'Skip track forward' skips to the next track. 'Skip track back' skips to the beginning of the current track, if the track has been playing for more than 10 seconds. If the track has been playing for less than 10 seconds, it will skip to the beginning of the previous track.

Disc mode

Audio disc playback

Track list

ℹ️ You can select a specific track for playback directly in the track list.

▶ Select the desired track in the track list.

Selecting folders and MP3 or wma tracks

ℹ️ This function is only available for MP3 or wma CDs. Folders can only be selected if the MP3 or wma tracks were organized into folders when the CD was created.
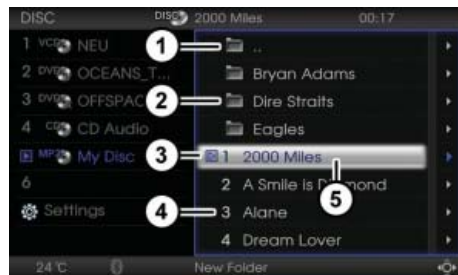
① Menu item for the folder change function
② Folder
③ Play icon ▶ for track currently playing
④ Track
⑤ Highlighted track

▶ **To switch to the next folder level up:** Select the menu item ①.

The display will change accordingly.

▶ **To open a folder:** Select the desired folder.

You will see the tracks stored in this folder.

▶ **To play a track:** Select the desired track.

Selecting a group

ℹ️ This function is only available for audio DVDs. The music tracks on an audio DVD can be organized into up to nine groups.

▶ **To open the Options menu:** Highlight any track and push ➡ the controller ⊚.

The Options menu appears.

① Options menu

▶ **To open the Group menu:** In the Options menu, select the menu item Change Group.

The Group menu appears. The group currently being played is marked with the play icon ▶.

① Play icon ▶
② Group menu

▶ Select the desired group.

The system will play the first track in the chosen group.

Fast forwarding/reversing

▶ **To open the Options menu:** Highlight any track and push ➡ the controller ◎.

① Options menu

▶ **To start forwarding:** In the Options menu, select the menu item FF and press and hold the controller ◎.

or

▶ **To start reversing:** In the Options menu, select the menu item REW and press and hold the controller ◎.

▶ **To terminate forwarding/reversing:** Release the controller ◎.

ℹ During fast forwarding/reversing the track time changes are displayed in the upper status line.

Repeating tracks or folders

ℹ This function will keep repeating a track or folder until it is cancelled. In the case of MP3 or wma CDs, repetition of folders is only possible if the CD contains folders. Tracks in subfolders within the folder to be repeated will be ignored.

▶ Highlight the desired track or folder.

① Folder
② Highlighted track
③ Track

▶ **To open the Options menu:** Push ➡ the controller ◎.

① Status display
② Options menu

▶ **To switch the function on/off:** In the Options menu, select the menu item Repeat Track or Repeat Folder.

Depending on the previous status, the function will be switched on or off. The status display ① changes accordingly.

◆ Display ☐ = function switched off

◆ Display ☑ = function switched on

Disc mode

Audio disc playback

When the function is switched on, the icon ♪ RPT (repeat track) or ▶ RPT (repeat folder) additionally appears on the right in the top status line.

ℹ️ The repeat track function switches off automatically when you select another track.

The repeat folder function switches off automatically when you select a track in another folder.

Both functions are switching off automatically when you:

- ◆ eject a magazine compartment,
- ◆ select another disc,
- ◆ switch to a different audio or video signal source, for example to FM,
- ◆ switch the system off and back on again.

Random play

Switching random play of all tracks on/off

ℹ️ Random play of all tracks plays all tracks on a current audio or MP3 or wma CD in random order.
In the case of audio DVDs, random play is restricted to the tracks in the currently active group.

▶ Highlight the track currently playing.
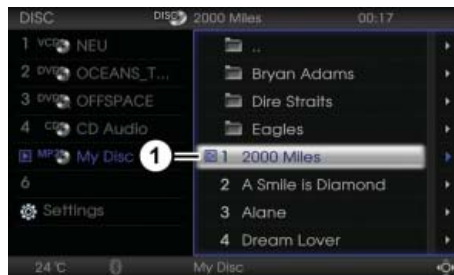
① Highlighted track currently playing.

ℹ️ You can tell the track currently playing by the play icon ▶.

▶ **To open the Options menu:** Push ➡ the controller ◎.

① Status display
② Options menu

▶ In the Options menu, select the menu item Random Disc.

Depending on the previous status, the function will be switched on or off.

The status display ① changes accordingly.

- ◆ Display ☐ = function switched off
- ◆ Display ☑ = function switched on

When the function is switched on, the icon ⊘ RDM additionally appears on the right in the top status line.

ℹ The function switches off automatically when you:

- ◆ select any track,
- ◆ eject a magazine compartment,
- ◆ select another disc,
- ◆ switch to a different audio or video signal source, for example to FM,
- ◆ switch the system off and back on again.

Switching random play within a specific folder on/off

ℹ Random play within a specific folder only applies to MP3 or wma CDs. It plays all tracks in a specific folder in random order. Tracks in subfolders within the specific folder will be ignored.

▶ Highlight the desired folder.

① Highlighted folder

▶ **To open the Options menu:** Push ➡ the controller ◎.

① Status display
② Options menu

▶ In the Options menu, select the menu item Random Folder.

Depending on the previous status, the function will be switched on or off.

The status display ① changes accordingly.

- ◆ Display □ = function switched off
- ◆ Display ☑ = function switched on

When the function is switched on, the icon ▶ RDM additionally appears on the right in the top status line.

ℹ The function switches off automatically when you:

- ◆ select any track,
- ◆ eject a magazine compartment,
- ◆ select another disc,
- ◆ switch to a different audio or video signal source, for example to FM,
- ◆ switch the system off and back on again.

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Disc mode

Audio disc playback

Scan function

ℹ This function plays about 10 seconds of each track on the disc currently playing and then skips to the next track.

▶ Highlight the track from which you want the function to start.
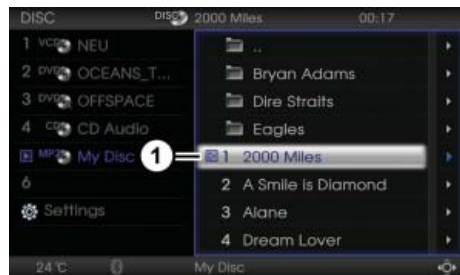
① Highlighted track

▶ **To open the Options menu:** Push ➡ the controller ◎.
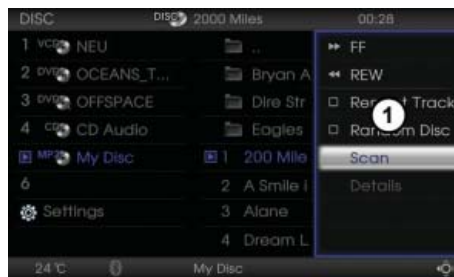
① Options menu

▶ **To switch the function on/off:** In the Options menu, select the menu item Scan.

Depending on the previous status, the function will be switched on or off.

When the function is switched on, the icon SCN appears on the right in the top status line.

ℹ The function switches off automatically when you:

- ◆ select any track,
- ◆ eject a magazine compartment,
- ◆ select another disc,
- ◆ switch to a different audio or video signal source, for example to FM,
- ◆ switch the system off and back on again.

It also switches off automatically when it reaches the track where it started.

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Video DVD playback conditions

i Retailers supply video DVDs that do not meet the standards.
These video DVDs may cause picture, sound or other playback problems.

DVD region code

Most of the video DVDs are encoded with a region code intended to restrict the area of the world in which they can be played. Information about which region code a DVD has can usually be found either on the video DVD itself or on the sleeve.

In order to play a video DVD, the video DVD and the video DVD player must have the same region code.

Below you will find the possible region codes and the countries assigned.

Region code	Country
0	No region code (DVD can be played with all DVD players independently of the player's region code)
1	Bermuda, Canada, Cayman Islands, U.S.A. and U.S.A. territories
2	Egypt, Europe, Greenland, Japan, Lesotho, Middle East, South Africa, Swaziland
3	Hongkong, Macau, Parts of South East Asia, South Korea, Taiwan, The Philippines
4	Australia, Central America, Latin America (including Mexico), New Guinea, New Zealand, Oceania, Papua, The Caribbean

Region code	Country
5	African countries not explicitly included in other regions, Indian subcontinent, Mongolia, North Korea, Seychelles, countries included in the former Soviet Union
6	China (except Macau and Hongkong)
7	Reserved
8	Cruise ships, Airlines etc.

For example, DVD players sold in the U.S.A. have the region code **2**, and video DVDs sold in the U.S.A. can have the region code **0** or **2**.

So, if you insert a DVD with a region code except **0** or **2** into an U.S.A. DVD player (e.g. the disc changer of the Driver Information System), the DVD will not be played.

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Video DVD playback

TV Standard

The Driver Information System can play video DVDs that meet PAL or NTSC TV standard.

Information on this can usually be found either on the DVD itself or on the DVD sleeve.

Functional restrictions

It may be the case that some functions or actions may not be possible at certain times, or may not be possible in general, depending on the video DVD.

When such functions or actions are activated, they are indicated by the icon ⊘ in the top left corner of the display.

① Icon ⊘

Switching to disc mode and starting video DVD playback

Option 1

▶ Load the magazine with an appropriate disc, see the section "Loading the disc changer magazine" from page 77.

Option 2

▶ Press the [DISC AUX] button.

The system will switch to either disc or AUX mode.

If the system switches to AUX mode:

▶ Press the [DISC AUX] button again.

Option 3

▶ Press the [MODE] button on the steering wheel repeatedly until disc mode appears in the display.

ℹ️ If Navigation, Info or Phone is the active mode, switching to disc mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the [DISC AUX] button on the control panel.

The system will resume playing the last disc played if available, otherwise it will play the next available disc.

If it is an audio disc, please select a video DVD in the Disc main menu, see the section "Selecting and playing discs" on page 87.

If it is a video CD, please select a video DVD in the Disc main menu, see the section "Selecting and playing discs" on page 96.

If the magazine is empty, the message No playable disc available appears. If this happens, load the magazine with an appropriate disc, see the section "Loading the disc changer magazine" from page 77.

Playback will not start if the DVD has the wrong region code. Instead you will see an appropriate message.

After video playback starts, the system will show the video content as a full-screen display.

You can open the following menus during playback:

- Disc main menu, see page 95
- Native DVD menu, see page 100
- On-screen menu, see page 105

Disc main menu

Opening the Disc main menu

▶ During video playback, press and hold the BACK button until the Disc main menu appears.

ℹ Video playback continues in the background when the Disc main menu is open.

① Mode display
② Disc main menu with list of discs
③ Disc icon
④ Chapter currently playing
⑤ Content area with native DVD menu
⑥ Name of the disc currently playing
⑦ Open the Settings menu
⑧ Disc currently playing
⑨ Icon ▣ for a video DVD
⑩ Play icon ▶ for the disc currently playing

Closing the Disc main menu and returning to video full-screen display

▶ In the content area ⑤ with the native DVD menu select the menu item Return to Screen.

or

▶ Press the DISC AUX button.

Displaying the disc name

The list of discs in the Disc main menu ② shows the discs available in the magazine by their names, provided the names are stored on the discs. If there are no names stored, the respective disc type will be displayed.

If a video DVD is highlighted in the list of discs in the Disc main menu ②, then the content area ⑤ will display the native DVD menu if the DVD has the correct region code.

If it does not have the correct region code, the content area ⑤ will display an appropriate message.

Disc mode

Video DVD playback

Unknown discs

Discs that have not yet been played after the magazine has been loaded are not known to the system. They are displayed as follows.

① Icon ⊘ for an unknown disc
② Display for the unknown content of the unknown disc

As soon as an unknown disc is played, display takes place as previously described in the section "Displaying the disc name", see page 95.

The system does not store the data, therefore after a disc is removed from the magazine and reinserted at a later date, it may be unknown to the system once more.

Selecting and playing discs

Selecting using the central control panel

▶ **To open the Disc main menu:** During video playback, press and hold the **BACK** button until the Disc main menu appears.
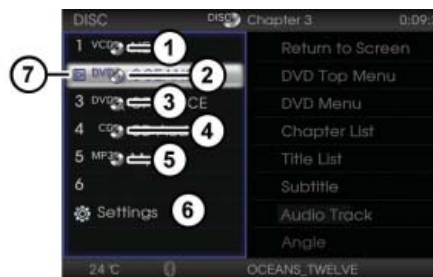
① Icon 🎬 for a video CD
② Icon 🎬 for a video DVD
③ Icon 🎬 for an audio DVD
④ Icon 🎬 for an audio CD
⑤ Icon 🎬 for an MP3 CD
⑥ Disc main menu with list of discs
⑦ Play icon ▶ for the disc currently playing

▶ **To play a disc:** Select a video DVD in the Disc main menu ⑥.

Selecting using the steering wheel

▶ Press and hold the ⌄ or ⌃ button.

The system will play the previous or next disc, depending on the button pressed.

i The previous or next disc may also be an audio disc or a video CD, depending on how the magazine compartments are loaded.

Selecting chapters

i If a film contains chapters, you can use the chapter list or the chapter skip function to select a chapter for playback.

Chapter list

This function is described in the section "Native DVD menu", see page 100.

Skipping chapters forward/back

ℹ️ These two functions are also available in the on-screen menu, see the section "Skipping chapters forward/back" on page 107.

▶ Briefly press the ⏶ or ⏷ button on the steering wheel.

The system will execute the chapter skip corresponding to the button pressed.

Selecting titles

This function is described in the section "Native DVD menu", see page 100.

Switching subtitles on/off

This function is described in the section "Native DVD menu", see page 100.

Switching audio track

This function is described in the section "Native DVD menu", see page 100.

Switching viewing angle

This function is described in the section "Native DVD menu", see page 100.

Audio settings

Please see the section "Audio settings" on page 34 for a description of the audio settings.

Video settings

Open the Video Settings menu

▶ During video playback, press and hold the BACK button until the Disc main menu appears.

▶ In the Disc main menu, select the menu item Settings.

A selection menu appears.

① Selection menu

▶ In the selection menu, select the menu item Video.

The Video Settings menu appears.

① Video settings menu

Video DVD playback

The Video Settings menu includes the following functions:

- Aspect ratio, see page 98
- Brightness, color and contrast, see page 98
- Video reset, see page 99

Close the Video Settings menu

▶ Briefly press the **BACK** button.

Aspect ratio

▶ Open the Video settings menu, see section "Open the Video Settings menu" on page 97.

① Video settings menu

▶ **To open the Aspect Ratio menu:** In the Video Settings menu, select the menu item Aspect Ratio.

The Aspect Ratio menu appears.

① Icon ◉ for currently active setting

▶ **To set the aspect ratio:** Select the desired setting.

Brightness, color and contrast

▶ Open the Video settings menu, see section "Open the Video Settings menu" on page 97.

① Video settings menu

▶ **To open the desired menu:** In the Video Settings menu, select either the menu item Brightness, Color or Contrast.

The corresponding menu appears.

98

The illustration shows the brightness setting

① Scale for the brightness setting
② Indicator

The position of the indicator ② on the scale ① shows the current setting.

▶ Turn 〔 〕 the controller ◎ until the desired setting is reached.

The system saves this setting automatically.

▶ **To close the menu:** Press the controller ◎.

or

▶ Briefly press the BACK or DISC AUX button.

Video reset

You can use the video reset function to reset the following settings to their factory settings:

◆ Aspect ratio
◆ Brightness
◆ Color
◆ Contrast

▶ Open the Video settings menu, see section "Open the Video Settings menu" on page 97.

① Video settings menu

▶ **To open the Video Reset menu:** In the Video Settings menu, select the menu item Reset Video Settings.

You will be prompted to confirm that you wish to reset the video settings.

▶ Select Yes or No.

The system will or will not reset the video settings, depending on the answer you select.

99
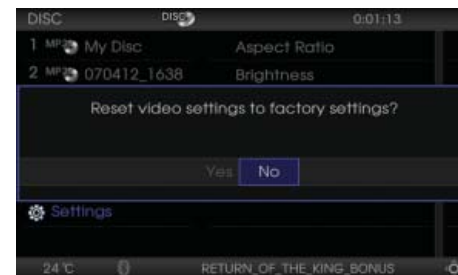
Disc mode

Video DVD playback

Language settings

i After starting DVD playback, some DVDs will show a language menu. In this language menu a specific language is marked by default, it depends on the DVD content. With the language settings you can set a different language which should be marked in the language menu as default in future. If the DVD does not contain that different language, the DVD depending language is marked by default.
This setting is applied only when a DVD is inserted, changing this setting during playback does not have an effect.

▶ **To open the Language Settings menu:** During video playback, press and hold the **BACK** button until the Disc main menu appears.

▶ Select the menu item Settings.

A selection menu appears.

① Selection menu

▶ In the selection menu, select the menu item Menu Language.

The Language menu appears.

① Icon ◉ for currently active setting

▶ **To change the language:** Select the desired language.

Native DVD menu

① Native DVD menu

The native DVD menu includes the following functions:

◆ Closing the native DVD menu and returning to video full-screen display, see page 101

◆ DVD top menu/DVD menu, see page 101

◆ Chapter list, see page 102

◆ Selecting titles, see page 103

◆ Switching subtitles on/off, see page 103

◆ Switching audio track, see page 104

◆ Switching viewing angle, see page 104

i Depending on the content of the DVD currently playing, certain menu items may have no function even though they are displayed.

Opening the native DVD menu

i This function is also available in the on-screen menu, see the section "Opening the native DVD menu" on page 105.

▶ During video playback, briefly press the BACK button.

The native DVD menu appears (video playback continues invisibly in the background).

① Native DVD menu

Closing the native DVD menu and returning to video full-screen display

▶ In the native DVD menu, select the menu item Return to Screen.

or

▶ Press the DISC/AUX button.

DVD top menu/DVD menu

i The DVD top menu or DVD menu is stored on the DVD itself. The content, structure and language of the menus as well as the available menu items will vary depending on the DVD.

You can also set the menu language in the language settings, see page 100.

▶ Open the native DVD menu, see section "Opening the native DVD menu" on page 101.

① Native DVD menu

101

Disc mode

Video DVD playback

▶ **To open the desired menu:** In the native DVD menu, select the menu item DVD Top Menu or DVD Menu.

The relevant menu appears as a full-screen display.

① Menu items

▶ **To select a menu item:** Turn ❪ ❫ the controller ◎.

or

▶ Push ⬆ ⬇ ⬅ ➡ the controller ◎.

▶ **To confirm selection:** Press the controller ◎.

▶ **To exit the menu:** Select the corresponding menu item and confirm.

Chapter list

ℹ️ You can select a specific chapter for playback directly in the chapter list.

▶ Open the native DVD menu, see section "Opening the native DVD menu" on page 101.

① Native DVD menu

▶ **To call up the chapter list:** In the native DVD menu, select the menu item Chapter List.

The chapter list appears.
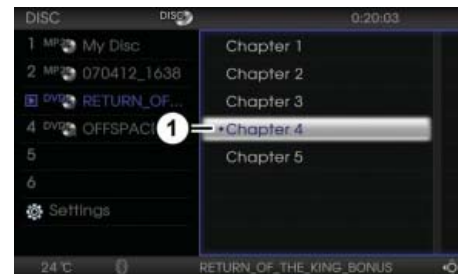
① Chapter currently playing (icon ◆)

▶ **To play a chapter:** Select the desired chapter.

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Selecting titles

ℹ️ If a DVD contains several titles or films, you can select a specific title or film for playback directly in the title list.

▶ Open the native DVD menu, see section "Opening the native DVD menu" on page 101.

① Native DVD menu

▶ **To call up the title list:** In the native DVD menu, select the menu item Title List.

The title list appears.

① Play icon ◆ for title currently playing

▶ **To select a title or film:** Select the desired title or film.

Switching subtitles on/off

ℹ️ If a DVD contains subtitles, you can switch them on or off in the Subtitle menu. The number and language of the subtitles will vary depending on the DVD.

▶ Open the native DVD menu, see page 101.

① Native DVD menu

▶ **To open the Subtitle menu:** In the native DVD menu, select the menu item Subtitle.

The Subtitle menu appears.

Disc mode

Video DVD playback

▶ **To switch subtitles on:** Select the desired subtitles.

▶ **To switch subtitles off:** Select the respective menu item.

Switching audio track

🛈 If a DVD contains several audio tracks, you can switch between them in the Audio Track menu. The number and languages of the audio tracks will vary depending on the DVD.

▶ Open the native DVD menu, see page 101.

① Native DVD menu

▶ **To open the Audio Track menu:** In the native DVD menu, select the menu item Audio Track.

The Audio Track menu appears.

▶ **To switch audio track:** Select the desired audio track.

Switching viewing angle

🛈 If a title or film contains several viewing angles (camera angles), you can switch between them in the Angle menu. The number of viewing angles will vary depending on the DVD.

▶ Open the native DVD menu, see section "Opening the native DVD menu" on page 101.

① Native DVD menu

▶ **To open the Angle menu:** In the native DVD menu, select the menu item Angle.

The Angle menu appears.

▶ **To switch viewing angle:** Select the desired viewing angle.

On-screen menu

You can call up the following in the on-screen menu:

◆ The native DVD menu, see page 105.

◆ The chapter list, see page 106.

In addition you can control the following playback functions:

◆ Pausing or resuming playback, see page 107

◆ Skipping chapters forward/back, see page 107

◆ Fast forwarding/reversing, see page 107

Depending on the content of the DVD currently playing, certain menu items may have no function even though they are displayed.

Opening the on-screen menu

ℹ️ You cannot open the on-screen menu if the DVD top menu or DVD menu stored on the DVD is open.

▶ During video playback, press the controller ◎.

The on-screen menu will be shown over the video currently playing.
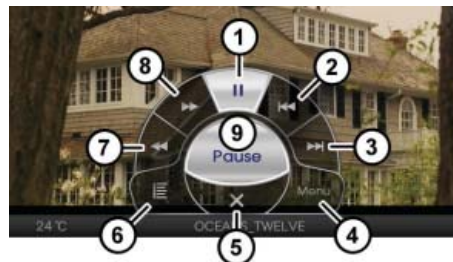
① Pause/resume playback
② Skip chapter back
③ Skip chapter forward
④ Open the native DVD menu
⑤ Close the on-screen menu
⑥ Call up the chapter list
⑦ Fast reverse
⑧ Fast forward
⑨ Shows the selected menu item ① - ⑧

Closing the on-screen menu

▶ In the on-screen menu, select the menu item ⑤.

or

▶ Briefly press the BACK button.

or

▶ Do nothing and wait until the on-screen menu is automatically closed.

Opening the native DVD menu

ℹ️ This function is also available outside the on-screen menu, see the section "Opening the native DVD menu" on page 101.

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 105.

Disc mode

Video DVD playback

① On-screen menu
② Menu item

▶ **To open the native DVD menu:** In the on-screen menu ①, select the menu item ②.

The native DVD menu will be shown over the video currently playing.
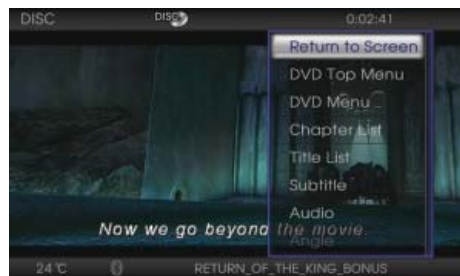
Please see the section "Native DVD menu" on page 100 for a description of the menu functions.

ℹ The menu item Return to Screen described in this section is not available if you open the native DVD menu as described above and not as described there.

▶ **To close the native DVD menu:** Briefly press the BACK button or do nothing and wait until the menu is automatically closed.

Calling up the chapter list

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 105.

① Menu item
② On-screen menu

▶ **To call up the chapter list:** In the on-screen menu ②, select the menu item ①.

The chapter list will be shown over the video currently playing.
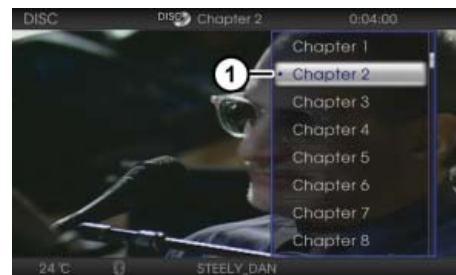
① Chapter currently playing (icon ◆)

▶ **To play a chapter:** Select the desired chapter from the chapter list.

Pausing or resuming playback

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 105.

① Menu item
② On-screen menu

▶ **To pause or resume playback:** In the on-screen menu ②, select the menu item ①.

The system will pause or resume playback, depending on the previous status.

Skipping chapters forward/back

ℹ️ These two functions are also available on the steering wheel, see the section "Skipping chapters forward/back" on page 97.

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 105.

① On-screen menu
② Skipping chapters back
③ Skipping chapters forward

▶ **To skip chapters:** In the on-screen menu ①, select the menu item ② or ③.

The system will execute the chapter skip corresponding to the menu item selected.

Fast forwarding/reversing

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 105.

① Fast reversing
② Fast forwarding
③ On-screen menu

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Video DVD playback

▶ **To start fast forwarding/reversing:** In the on-screen menu ③, select the menu item ① or ② and press and hold the controller ◎.

The system will start fast forwarding or fast reversing depending on the selection. The sound is muted during this.

▶ **To terminate fast forwarding/ reversing:** Release the controller ◎.

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Functional restrictions

It may be the case that some functions or actions may not be possible at certain times, or may not be possible in general, depending on the video CD.

When such functions or actions are activated, they are indicated by the icon ⊘ in the display.

① Icon ⊘

Notes on PBC (PlayBack Control)

◆ PBC is a feature that allows users to navigate the content of a VCD (in MPEG1 version 2.0 VCD) with one or more interactive menus.

◆ PBC feature only works with VCD version 2.0.

◆ PBC feature may have different behavior depending on how the VCD was developed.

Switching to disc mode and starting video CD playback

Option 1

▶ Load the magazine with an appropriate disc, see the section "Loading the disc changer magazine" from page 77.

Option 2

▶ Press the [DISC AUX] button.

The system will switch to either disc or AUX mode.

If the system switches to AUX mode:

▶ Press the [DISC AUX] button again.

Option 3

▶ Press the [MODE] button on the steering wheel repeatedly until disc mode appears in the display.

ℹ️ If Navigation, Info or Phone is the active mode, switching to disc mode on the steering wheel does not switch the display, only the audio source will be switched accordingly.
If you want to switch the display also, you must use the [DISC AUX] button on the control panel.

The system will resume playing the last disc played if available, otherwise it will play the next available disc.

Video CD playback

If it is an audio disc, please select a video CD in the Disc main menu, see the section "Selecting and playing discs" on page 87.

If it is a video DVD, please select a video CD in the Disc main menu, see the section "Disc main menu" on page 110.

If the magazine is empty, the message No playable disc available appears. If this happens, load the magazine with an appropriate disc, see the section "Loading the disc changer magazine" from page 77.

After video playback starts, the system will show the video content as a full-screen display. You will see either the film or the PBC (Playback Control) menu stored on the video CD.

What you see depends on the video CD itself and also on whether the display of the PBC menu is switched on or off.

You can switch the display of the PBC menu on or off in the native video CD menu, see page 112.

You can open the following menus during playback:

◆ Disc main menu, see page 110

◆ Native video CD menu, see page 112

◆ On-screen menu, see page 116

Disc main menu

Opening the Disc main menu

▶ During video playback, press and hold the **BACK** button until the Disc main menu appears.

① Mode display
② Disc main menu with list of discs

③ Disc icon
④ Track currently playing
⑤ Content area with native video CD menu
⑥ Name of the disc currently playing
⑦ Open the Settings menu
⑧ Disc currently playing
⑨ Icon 🔲 for a video CD
⑩ Play ▷ icon for the disc currently playing

ℹ️ Video playback continues in the background when the Disc main menu is open.

Closing the Disc main menu and returning to video playback

▶ Press the **DISC AUX** button.

Displaying the disc name

The list of discs in the Disc main menu ② shows the discs available in the magazine by their names, provided the names are stored on the discs. If there are no names stored, the respective disc type will be displayed.

If a video CD is highlighted in the list of discs in the Disc main menu ②, then the content area ⑤ will display the native video CD menu.

Unknown discs

Discs that have not yet been played after the magazine has been loaded are not known to the system. They are displayed as follows.

① Icon ▣ for an unknown disc
② Display for the unknown content of the unknown disc

As soon as an unknown disc is played, display takes place as previously described in the section "Displaying the disc name", see page 110.
The system does not store the data, therefore after a disc is removed from the magazine and reinserted at a later date, it may be unknown to the system once more.

Selecting and playing discs

Selecting using the central control panel

▶ **To open the Disc main menu:** During video playback, press and hold the BACK button until the Disc main menu appears.

① Icon ▣ for a video CD
② Icon ▣ for a video DVD
③ Icon ▣ for an audio DVD
④ Icon ▣ for an audio CD
⑤ Icon ▣ for an MP3 CD
⑥ Disc main menu with list of discs
⑦ Play icon ▣ for the disc currently playing

▶ **To play a disc:** Select a video CD in the Disc main menu ⑥.

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Video CD playback

Selecting using the steering wheel

▶ Press and hold the ⌄ or ⌃ button.

The system will play the previous or next disc, depending on the button pressed.

ℹ The previous or next disc may also be an audio disc or a video DVD, depending on how the magazine compartments are loaded.

Selecting tracks

If a video CD contains several tracks, you can use the track list or the track skip function to select a track for playback.

Calling up the track list

ℹ You can select a specific track for playback directly in the track list.

This function is described in the section "Native video CD menu", see page 112.

Skipping tracks forward/back

ℹ These two functions are also available in the following menus:

- ◆ PBC menu, see page 114
- ◆ On-screen menu, see page 116

▶ Briefly press the ⌃ or ⌄ button on the steering wheel.

The system will execute the track skip corresponding to the button pressed.

Video settings

Please see the section "Video settings" on page 97 for a description of the video settings.

Audio settings

Please see the section "Audio settings" on page 34 for a description of the audio settings.

Native video CD menu

① Native video CD menu

The native video CD menu includes the following functions:

- ◆ Closing the native video CD menu and returning to video playback, see page 113
- ◆ Switching the display of the PBC (Playback Control) menu on/off, see page 113
- ◆ PBC menu, see page 114
- ◆ Calling up the track list, see page 115

i Depending on the content of the video CD currently playing, certain menu items may have no function even though they are displayed.

Opening the native video CD menu

i This function is also available in the on-screen menu, see the section "Opening the native video CD menu" on page 117.

▶ During video playback, briefly press the **BACK** button.

The native video CD menu appears (video playback continues in the background).

Closing the native video CD menu and returning to video playback

▶ In the native video CD menu, select the menu item Return to Screen.

or

▶ Press the **DISC AUX** button.

In both cases you will see either the film or the PBC (Playback Control) menu stored on the video CD. What you see depends on the video CD itself and also on whether the display of the PBC menu is switched on or off.
A description of how to switch the display on/off appears below.

Switching the display of the PBC (Playback Control) menu on/off

▶ Open the native video CD menu, see section "Opening the native video CD menu" on page 113.
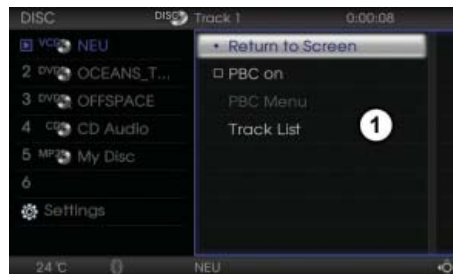
① Native video CD menu

▶ In the native video CD menu, select the menu item PBC on.

① Status display
② Menu item PBC on
③ Native video CD menu

Depending on the previous status, the display of the menu will be switched on or off. The status display ① changes accordingly.

◆ Display ☐ = function switched off
◆ Display ☑ = function switched on

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Disc mode

Video CD playback

ℹ When the display of the PBC menu is switched on, PBC appears on the right in the top status line.
The display of the PBC menu is automatically switched off as soon as you play another disc.

PBC menu

ℹ The PBC menu is stored on the video CD itself. The individual tracks on the video CD are accessed via the PBC menu. The content and structure of the menu as well as the available menu items will vary depending on the video CD.

Opening the PBC menu

ℹ This function is also available in the on-screen menu, see the section "Opening the PBC menu or calling up the track list" on page 117.

▶ Open the native video CD menu, see section "Opening the native video CD menu" on page 113.

① Native video CD menu

▶ **To open the PBC menu:** In the native video CD menu, select the menu item PBC Menu.

You will see the PBC menu in full-screen mode and the speller.

① PBC menu
② Individual tracks
③ Speller
④ Change to the next PBC page
⑤ Delete entered track number
⑥ Menu item OK
⑦ Change to the previous PBC page
⑧ Shows the selected speller menu item

The individual tracks are numbered in the PBC menu ①.

The speller ③ provides the following functions:

- ◆ Entering a track number from 0 to 99
- ◆ Skipping tracks or changing the PBC menu page

Entering track numbers

▶ **Single-digit track number:** In the speller, highlight the desired digit by turning 〖 〗 the controller ◎ and press the controller ◎.

▶ **Two-digit track number:** In the speller, highlight the first digit by turning 〖 〗 the controller ◎ and press the controller ◎, then highlight the second digit and again press the controller ◎.

ℹ️ After you enter the second digit, the menu item OK is automatically highlighted. You can now confirm or clear the entry.

▶ **To completely clear an entry:** In the speller, select the menu item ⑤ .

You can then enter a new number.

▶ **To confirm an entry:** In the speller, select the menu item OK.

If the entry is not valid, you can enter a new number after a short time.
If the entry is valid, the PBC menu is automatically closed and the corresponding track started.

Changing the PBC menu page

▶ **To change to the next PBC menu page:** In the speller, select the menu item ④.

▶ **To change to the previous PBC menu page:** In the speller, select the menu item ⑦.

Back to the native video CD menu

▶ Briefly press the BACK button.

Calling up the track list

ℹ️ This function is also available in the on-screen menu, see the section "Opening the PBC menu or calling up the track list" on page 117.
If a video CD contains several tracks, you can use the track list to directly select a specific track for playback.

▶ Open the native video CD menu, see section "Opening the native video CD menu" on page 113.

① Native video CD menu

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Video CD playback

▶ **To call up the track list:** In the native video CD menu, select the menu item Track List.

The track list appears.

① Play icon ◆ for the track currently playing
② Track list

▶ **To play a track:** Select the desired track.

On-screen menu

You can call up the following in the on-screen menu:

◆ The native video CD menu, see page 117.

◆ Either the PBC menu or the track list, see page 117.

In addition you can control the following playback functions:

◆ Pausing or resuming playback, see page 107

◆ Skipping tracks forward/back, see page 118

◆ Fast forwarding/reversing, see page 119

Depending on the content of the video CD currently playing, certain menu items may have no function even though they are displayed.

Opening the on-screen menu

▶ During video playback, press the controller ◎.

The on-screen menu will be shown over the video currently playing.
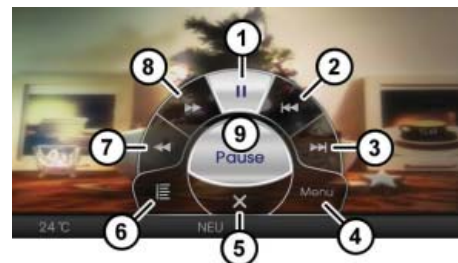
① Pause/resume playback
② Skip track back
③ Skip track forward
④ Open the native video CD menu
⑤ Close the on-screen menu
⑥ Open the PBC menu or call up the track list
⑦ Fast reverse
⑧ Fast forward
⑨ Shows the selected menu item ① - ⑧

Closing the on-screen menu

▶ In the on-screen menu, select the menu item ⑤ .

or

▶ Briefly press the **BACK** button.

or

▶ Do nothing and wait until the on-screen menu is automatically closed.

Opening the native video CD menu

[i] This function is also available outside the on-screen menu, see the section "Opening the native video CD menu" on page 113.

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 116.

① On-screen menu
② Menu item

▶ **To open the native video CD menu:** In the on-screen menu ①, select the menu item ②.

The native video CD menu will be shown over the video currently playing.

Please see page 112 for a description of the native video CD menu.

[i] The menu item Return to Screen described in this section is not available if you open the native video CD menu as described above.

▶ **To close the native video CD menu:** Briefly press the **BACK** button or do nothing and wait until the menu is automatically closed.

Opening the PBC menu or calling up the track list

[i] These two functions are also available outside the on-screen menu, see the section "Opening the PBC menu" on page 114 or the section "Calling up the track list" on page 115.
To open the PBC menu, the display of the PBC menu must be switched on in the native video CD menu, see the section "Native video CD menu" on page 112. To call up the track list, the display of the PBC menu must be switched off there.

Video CD playback

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 116.

① Menu item
② On-screen menu

▶ In the on-screen menu ②, select the menu item ①.

Either the PBC menu or the track list will be shown over the video currently playing, depending on whether the display of the PBC menu is switched on or off.

Please see page 114 for a description of the PBC menu.

▶ **To play a track:** Select the desired track in the track list.

Pausing or resuming playback

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 116.

① Menu item
② On-screen menu

▶ **To pause or resume playback:** In the on-screen menu ②, select the menu item ①.

The system will pause or resume playback, depending on the previous status.

Skipping tracks forward/back

i These two functions are also available outside the on-screen menu:

  ◆ on the steering wheel, see page 112

  ◆ in the PBC menu, see page 114

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 116.

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① On-screen menu
② Skipping tracks back
③ Skipping tracks forward

▶ In the on-screen menu, select the menu item ② or ③.

The system will execute the track skip corresponding to the menu item selected.

Fast forwarding/reversing

▶ Open the on-screen menu, see section "Opening the on-screen menu" on page 116.

① Fast reversing
② Fast forwarding
③ On-screen menu

▶ **To start fast forwarding/reversing:** In the on-screen menu, select the menu item ⑧ or ⑦ and press and hold the controller ◎.

The system will start fast forwarding or fast reversing depending on the selection. The sound is muted during this.

▶ **To terminate fast forwarding/reversing:** Release the controller ◎.

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Video CD playback

AUX mode

General information

Trademarks

iPod® is a trademark of Apple Inc.

Note on copyright

The audio files that you can create to store on an iPod® or a USB memory stick or that you can play using the iPod® or from the USB memory stick are generally copyright-protected under applicable international and national laws.

In many countries, the reproduction of copyrighted material is not permitted, even if only for personal use, without the express prior consent of the copyright holder.

Please check the current copyright laws for your country and comply with them.

These restrictions do not apply, for example, to your own compositions and recordings, or to recordings for which authorization has been obtained from the copyright holder.

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Supported signal sources

You can connect the following signal sources to the Driver Information System:

- 3rd to 5th generation iPod®
- iPod® Mini
- USB memory stick containing audio files
- AUX signal source (commercially available audio/video signal source)

i The system can only access the audio files on an iPod®. Picture or video files cannot be accessed.

Notes on USB memory sticks

- Only use USB memory sticks of well-known manufacturers. The use of other USB memory sticks may result in malfunction of the system.

i In rare cases it is possible that an USB memory stick is not recognized by the system or may cause a malfunction. This is not a fault. Some USB memory sticks do not comply with the USB specifications.

- Due to the constant changes of USB products in the market and their respective software, it can be possible that some of the USB memory sticks are not compatible with the system.
- Files that are not a standard MP3 or WMA file may not be playable.
- Encrypted USB memory sticks can not be recognized by the system.
- Depending on the state of the USB memory stick, it may not be recognized by the system upon connection.
- USB memory sticks whose Byte/Sector is not 512Byte or 2048Byte is not supported.
- Some USB memory sticks may not operate in the vehicle due to compatibility issues. Please check that it is compatible with the system in the vehicle before usage.

Permissible file systems

The following file systems are permitted:

- FAT12
- FAT16
- FAT32

File names and folder names

When storing audio files on the USB stick, you can organize the files into folders.

Names must be assigned for the files as well as for the folders.

The Driver Information System uses these names for the corresponding display during playback.

Empty folders or folders containing data other than audio files in the supported playback formats are not displayed by the system.

i The Driver Information System does not support ID3 tags.

Signal sources

Please note the following when assigning file names:

◆ File names must contain at least one character. They should not contain more than one hundred characters as the system cannot display names exceeding one hundred characters.

◆ File names must have the following extensions:

  ◆ MP3 files: mp3

  ◆ WMA files: wma

◆ A period must appear between the file name and the extension.

Example of a correct MP3 file name: Track 1.mp3

The system will not recognize the audio files if there is no period between the file name and the extension or if the extension is missing.

Supported playback formats

i Audio files with Digital Rights Management (DRM) are not supported.

The Driver Information System supports the playback of audio files in the following formats:

◆ MPEG1 Audio Layer 3

i In everyday speech, this format has been replaced by the designation "MP3".

◆ WMA

Supported bit and sampling rates

◆ MP3 files:

  ◆ Fixed and variable bit rates from 8 kbps to 320 kbps

  ◆ Sampling rates up to 48 kHz

◆ WMA files:

  ◆ Fixed and variable bit rates from 8 kbps to 320 kbps

  ◆ Sampling rates up to 48 kHz

i Only use audio files with a bit rate of 128 kbps or higher and with a sampling rate of 44.1 kHz or higher. Lower rates may result in audibly impaired quality. This is particularly true if the surround function is activated.

Notes on AUX signal sources

i It is possible that noise is heard during playback when using an AUX signal source. This is not a malfunction but system-related. We recommend using the line-out of the AUX signal source instead of the power outlet (headphone or loudspeaker). If the sound is distorted and no line-out is available, reduce the volume level on the AUX signal source itself.

Connecting signal sources

> ⚠️ **WARNING**
>
> If you connect and disconnect signal sources when driving, you may be distracted from the traffic situation, thus increasing the accident hazard.
>
> Only connect and disconnect signal sources when the vehicle is stationary.

General information

◆ If you connect an iPod®, you cannot connect any other signal sources.

◆ If you connect a USB memory stick and/or AUX signal source, you cannot connect an iPod®.

Connecting sockets

A USB socket (labeled with "USB") and a 3.5 mm (0.14") jack socket (labeld with "AUX") are provided for connecting signal sources.

> ⚠️ **CAUTION**
>
> Please be careful that the USB socket is not touched physically by any object. The system may be damaged.

① 3,5 mm (0.14") jack socket
② USB socket

ℹ️ Connecting an iPod® uses both sockets at the same time.

Notes on connecting an USB memory stick

ℹ️ The system supports USB memory sticks containing audio files. Any other USB devices or anything else than music playback is not supported.

Please pay attention to the following when connecting an USB memory stick.

> ⚠️ **CAUTION**
>
> Any other USB devices such as hard discs or other digital equipment may damage the system as a result of excessive power consumption.
>
> When connecting and disconnecting a USB memory stick many times in a short time, the system may be damaged.
>
> (continued)

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Signal sources

> ⚠️ **CAUTION**
>
> (continued)
>
> Using the system's USB interface to charge, heat or connect any other USB devices except of USB memory sticks my cause decrease the system performance or damage to the system.
>
> When the USB memory stick is connected to the system when starting the vehicle, the USB memory stick may be damaged. USB memory sticks should be disconnected to the system when starting the vehicle.

◆ When connecting or disconnecting the USB memory stick, please be careful of the static electricity.

◆ Noise may occur when connecting an USB memory stick.

◆ The time required to analyze a connected USB memory stick may vary depending on the stick, stick capacity, or the file structure of the stick. This does not mean that the system is malfunctioning, so please wait.

◆ The system's USB support shall not be used for anything else then music playback.

◆ A USB hub or extension cable may prevent the system from properly analyzing the USB memory stick. Please connect the USB memory stick directly to system.

◆ High capacity USB memory sticks may be divided into more than one logical drives. In this case, only the content of the top logical drive is analyzed. Therefore, please place the files to be played in the top logical drive of the USB memory stick.

◆ Some USB memory sticks use a separate application to store files into the stick. This is treated in the same way as the previous case.

◆ Connection of MP3 player, mobile phone, digital camera, or any other devices that can be connected to a USB port that are not recognized as Removable Disk may not operate properly.

◆ Any other USB memory stick than the standard Metal Cover Type is not guaranteed to operate properly.

◆ Operation of HDD type, CF, and SD Memory is not guaranteed.

◆ USB memory sticks acting as an adapter such as for SD type and CF type may not be recognized by the system.

◆ USB memories whose connector part causes connection failure due to USB HDD or physical design of the device connector are not guaranteed to work. (e.g. i-stick type).

Notes on connecting an iPod®

Please pay attention to the following when connecting an iPod®:

◆ To connect an iPod® you will need an appropriate connecting cable available as original accessory at your Hyundai dealer. Connector cable for PC provided by Apple or other manufacturers may not operate properly and may cause malfunction.

◆ The connecting cable available as original accessory at your Hyundai dealer simultaneously occupies the USB socket and the AUX socket.

◆ When connecting the iPod® cable, push the cable connector fully so that the signal is not disrupted.

◆ Connection of the iPod® connection cable without the iPod® connected at the other end will still trigger the system to change to AUX mode. In such case, noise may occur due to an open end connection. Please disconnect and store the iPod® connector cable in a safe place when iPod® is not in use.

◆ If the Hyundai logo persists on the iPod® display when disconnecting the iPod® from the system, please upgrade to the latest iPod® firmware.

Notes on connecting an AUX signal source

◆ You can connect an audio or video signal source to the AUX socket using a commercially available cable with a 3.5 mm (0.14") jack.

◆ AUX operates properly only when the external audio or video signal source connected is operational.

◆ Connection of the AUX connection cable without the AUX signal source connected at the other end will still trigger the system to change to AUX mode. In such case, noise may occur due to an open end connection. Please disconnect and store the AUX connection cable in a safe place when the AUX signal source is not in use.

◆ When the power of the AUX signal source is connected to the vehicle's power jack, noise may occur on the display with some devices. In this case, disconnect from the power jack and use the internal power source of the device.

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AUX mode

Signal sources

After connecting an iPod® or an USB memory stick

If Phone, Info or Navigation mode is displayed before connecting the signal source, the display does not switch to AUX mode automatically.
But AUX is automatically the active audio source and playback of the respective signal source starts if it contains playable files.

If Disc, FM/AM or XM® Satellite Radio mode is displayed before connecting the signal source, the display switches automatically to AUX mode.
AUX is automatically the active audio source and playback of the respective signal source starts if it contains playable files.

After connecting an AUX audio signal source

If Phone, Info or Navigation mode is displayed before connecting an AUX audio signal source, the display does not switch to AUX mode automatically.
But AUX is automatically the active audio source and playback starts as soon as the signal source transmits an audio signal.

If Disc, FM/AM or XM® Satellite Radio mode is displayed before connecting the AUX audio signal source, the display switches automatically to AUX mode. AUX is automatically the active audio source and playback starts as soon as the signal source transmits an audio signal.

After connecting an AUX video signal source

Independent of the displayed mode before connecting an AUX video signal source, the display switches automatically to AUX mode as soon as the signal source transmits a video signal.
AUX is automatically the active audio source, as soon as an AUX video signal source is connected. It does not matter whether the signal source transmits an audio signal or not.

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ℹ For information on general system
operation, please refer to the chapter
"Functional introduction" from page 17.

Switching to AUX mode and opening the AUX main menu

Option 1

▶ Connect a signal source to the system,
see the section "Signal sources" on
page 123.

The AUX main menu appears.

ℹ This option only works if you are connecting
an iPod® or USB memory stick as the signal
source.

Option 2

▶ Press the ▣ button.

Either the AUX or the Disc main menu
appears.

If the Disc main menu appears:

▶ Press the ▣ button again.

The AUX main menu appears.

or

▶ Press the MODE button on the steering
wheel repeatedly until the AUX main
menu appears.

ℹ If Navigation, Info or Phone is the active
mode, switching to AUX mode on the
steering wheel does not switch the display,
only the audio source will be switched
accordingly.
If you want to switch the display also, you
must use the ▣ button on the control
panel.

After the AUX main menu appears, you
will hear or see the last active signal
source if the following conditions are
met:

◆ The signal source is still connected.

◆ The signal source contains playable
files.

◆ Playback has been started on the
signal source itself (AUX signal
source only).

Sample illustration of the AUX main menu

The illustration shows the AUX main menu during USB playback

① AUX main menu with the available
signal sources
② AUX content area

AUX mode

General operation

Selecting a signal source

i You can only select a signal source if both
signal sources, USB memory stick and AUX
signal source, are connected at the same
time.
If an iPod® is connected you can not
connect an other signal source. In this case,
selecting a signal source is not possible.

▶ Select the desired signal source in the
AUX main menu.

The system will switch to the selected
signal source.

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

i Accessing iPod® main/submenu items and tracks can be delayed depending on file names and sizes.

Starting playback

i The iPod® searching process can be different depending on iPod® models. The actual order of playback of iPod® content on the system may be different from actual iPod®.

i When iPod® itself shuts down due to an internal failure, please use iPod® after making a reset (refer to iPod® operation manual).

▶ Open the AUX main menu and, if necessary, select the iPod® as the signal source in the AUX main menu, see page 130.

or

▶ Connect an iPod®, see the section "Connecting signal sources" on page 125.

In both cases, playback of the currently active track in the iPod® will be continued.

i The position of the active track in the iPod® structure is unknown to the system after the iPod® has been just connected or after the system was switched off and on with iPod® still connected.

Due to the unknown position, the following points are valid:

◆ In the Options menu, the menu item Now Playing has no function.

◆ The system will display the iPod® menu in the content area, instead of the track list with the track currently playing as described below.

◆ The top category of the track currently playing will not be shown in the lower statusline as described below.

◆ If you navigate through the iPod® menu, the track currently playing will not be marked with the play icon ▶ as described below.

As soon as you select another track, the position of that track in the iPod® structure is known to the system and the points described above are no longer valid.

AUX main menu during iPod® playback

① Mode display
② AUX main menu with list of signal sources
③ AUX icon
④ Track currently playing
⑤ Content area with track list
⑥ Top category of the track currently playing
⑦ Play icon ▶ for the track currently playing

iPod playback

iPod® menu

ℹ The iPod® menu is nearly the same as the "MUSIC" menu on the iPod® itself. The Driver Information System cannot access any of the other iPod® menus.

Opening the iPod® menu

▶ **To activate the content area:** Push ◄ ➡ the controller ◎ until the content area is active.

You can tell the active content area by the blue frame around it.

① Blue frame
② Content area

▶ Press the BACK button repeatedly until the iPod® menu appears.

ℹ The iPod® searching process can be different depending on iPod® models.

The iPod® menu has eight main menu items in total, each of which contains at least one submenu item, see the following list.

① iPod® menu

Main menu item	Submenu items
Playlists	> List of Playlists
	> List of Tracks
Artists	> List of Artists
	> List of Albums
	> List of Tracks
Albums	> List of Albums
	> List of Tracks
Songs	> List of Tracks
Podcasts	> List of Podcasts
Genres	> List of Genres
	> List of Artists
	> List of Albums
	> List of Tracks
Composers	> List of Composers
	> List of Albums
	> List of Tracks
Audiobooks	> List of Audiobooks

ℹ The contents of the submenu items "List of..." are depending on the connected iPod®.

Navigating within the iPod® menu

ℹ️ Navigating within the iPod® menu can be delayed depending on file names and sizes.

Navigating forwards

▶ Select a menu item in the iPod® menu.

If the selected item is the last submenu item, the playable track list will be displayed.

Selecting a list item automatically results in the corresponding track being played.

Navigating backwards

▶ Press the BACK button.

Skipping directly to the track currently playing

▶ **To open the Options menu:** In the iPod® menu, push ➡ the controller ⊙.
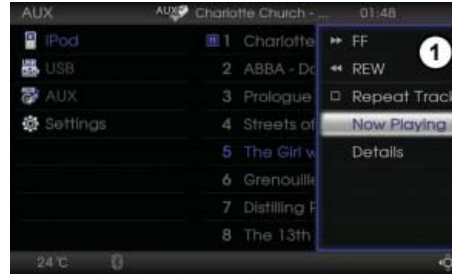
① Options menu

▶ **Skipping to the track:** In the Options menu, select the menu item Now Playing.

Abbreviated menu items in the iPod® menu

Menu items in the iPod® menu may be displayed in abbreviated form. This is indicated by the three dots "…" at the end of a menu item. If this happens, you can call up a complete display.
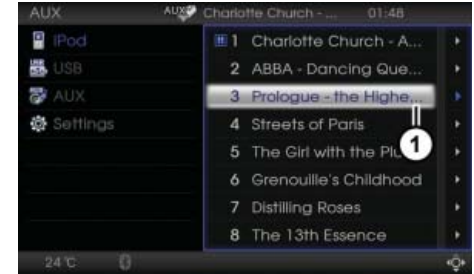
① Abreaviated menu entry

Calling up a complete display

▶ **To open the Options menu:** In the iPod® menu, highlight the abbreviated menu item and push ➡ the controller ⊙.

iPod playback

① Options menu

▶ **To call up the display:** In the Options menu, select the menu item Details.

The complete display appears.
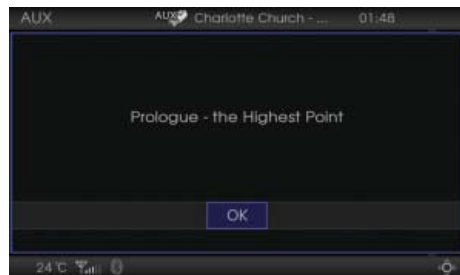
▶ **To close the display:** Press the controller ◎.

Pausing or resuming playback

① Play icon ▶
② Track currently playing (highlighted)

Option 1

Pausing playback

▶ In the iPod® menu, highlight the track currently playing and press the controller ◎.

The play icon ▶ will change to the pause icon ⅠⅠ.

Resuming playback

▶ In the iPod® menu, highlight the track currently playing once again and press the controller ◎.

Playback will be resumed and the pause icon ⅠⅠ will change to the play icon ▶.

Option 2

Pausing playback

▶ **To open the Options menu:** In the iPod® menu, push ➡ the controller ◎.

Picture placeholder

① Options menu

▶ In the Options menu, select the menu item Pause.

Playback will be paused and the Options menu will be closed automatically.

Resuming playback

▶ **To open the Options menu:** In the iPod® menu, push ➡ the controller ◎.

Picture placeholder

① Options menu

▶ In the Options menu, select the menu item Play.

Playback will be resumed and the Options menu will be closed automatically.

Selecting a track

Selecting a track in the iPod® menu

▶ Navigate through the iPod® menu and select the desired track.

ℹ Refer to the section "Navigating within the iPod® menu" on page 133 to find out how to navigate through the iPod® menu.

Skipping tracks forward/back

ℹ 'Skip track forward' skips to the next track. 'Skip track back' skips to the beginning of the current track, if the track has been playing for more than 3 seconds. If the track has been playing for less than 3 seconds, it will skip to the beginning of the previous track.

Using the steering wheel

▶ Briefly press the ⌄ or ⌃ button on the steering wheel.

The system will execute the track skip corresponding to the button pressed.

Using the central control panel

▶ **To open the Options menu:** Highlight any track and push ➡ the controller ◎.

Picture placeholder

① Options menu

▶ In the Options menu, select the menu item Next Track or Prev. Track.

The system will execute the track skip corresponding to the selected menu item.

iPod playback

Fast forwarding/reversing

On the central control panel

▶ **To open the Options menu:** Highlight any track and push ➡ the controller ◎.

① Options menu

▶ **To start forwarding:** In the Options menu, select the menu item FF and press and hold the controller ◎.

or

▶ **To start reversing:** In the Options menu, select the menu item REW and press and hold the controller ◎.

▶ **To terminate forwarding/reversing:** Release the controller ◎.

On the steering wheel

▶ **To start forwarding:** Press and hold the △ button.

or

▶ **To start reversing:** Press and hold the ▽ button.

▶ **To terminate forwarding/reversing:** Release the △ or ▽ button.

Repeating tracks

ℹ This function will keep repeating a track until it is cancelled.

▶ **To open the Options menu:** In the iPod® menu, highlight the desired track and push ➡ the controller ◎.

① Status display
② Options menu

▶ **To switch the repeat function on/off:** In the Options menu, select the menu item Repeat Track.

Depending on the previous status, the function will be switched on or off. The status display ① changes accordingly.

◆ Display □ = function switched off

◆ Display ☑ = function switched on

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When the function is switched on, the icon 🎵 RPT additionally appears on the right in the top status line.

ℹ The function switches off automatically when you:

- ◆ select another track in the iPod® menu,
- ◆ switch to a different audio signal source, for example to FM,
- ◆ switch the system off and back on again.

Audio settings

Please see the section "Audio settings" on page 34 for a description of the audio settings.

AUX mode

USB playback

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

ℹ️ Accessing folders and tracks or scrolling through lists can be delayed depending on file names and sizes.

Starting playback

▶ Connect a USB stick, see the section "Connecting signal sources" on page 125.

or

▶ Open the AUX main menu and, if necessary, select the USB stick as the signal source in the AUX main menu, see page 130.

AUX main menu during USB playback

① Mode display
② AUX main menu with list of signal sources
③ Aux icon
④ Track currently playing
⑤ AUX content area with track/folder list
⑥ Name of the currently active folder
⑦ Play icon ▶ for the track currently playing

Displaying the track and folder names

The system uses the names assigned during storage of the audio files on the USB memory stick for the track/folder names displayed in the AUX content area ⑤. Any ID3 tags in the audio files will be ignored.

If a track or folder name is too long, the system will display it in abbreviated form. This is indicated by the three dots "…" at the end of the name. If this happens, you can call up a complete name display.

① Abreviated track name

Calling up a complete name display

▶ **To open the Options menu:** Highlight the corresponding track and push ➡ the controller ◎.
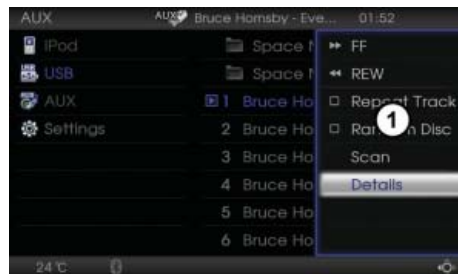
① Options menu

▶ **To call up a track name display:** In the Options menu, select the menu item Details.

The complete track name display appears.

▶ **To close the display:** Press the controller ◎.

Selecting folders and tracks

ℹ Folders can only be selected if the audio files were organized into folders when they were stored on the USB memory stick.

① Menu item for the folder change function
② Folder
③ Play icon ▶ for track currently playing
④ Track
⑤ Highlighted track

▶ **To switch to the next folder level up:** Select the menu item ①.

The display will change accordingly.

▶ **To open a folder:** Select the desired folder.

You will see the tracks stored in this folder.

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USB playback

▶ **To play a track:** Select the desired track.

Skipping tracks forward/back

ℹ️ 'Skip track forward' skips to the next track. 'Skip track back' skips to the beginning of the current track, if the track has been playing for more than 10 seconds. If the track has been playing for less than 10 seconds, it will skip to the beginning of the previous track.

▶ Briefly press the ⌄ or ⌃ button on the steering wheel.

The system will execute the track skip corresponding to the button pressed.

Fast forwarding/reversing

On the central control panel

▶ **To open the Options menu:** Highlight any track and push ➡ the controller ◎.

① Options menu

▶ **To start forwarding:** In the Options menu, select the menu item FF and press and hold the controller ◎.

or

▶ **To start reversing:** In the Options menu, select the menu item REW and press and hold the controller ◎.

▶ **To terminate forwarding/reversing:** Release the controller ◎.

On the steering wheel

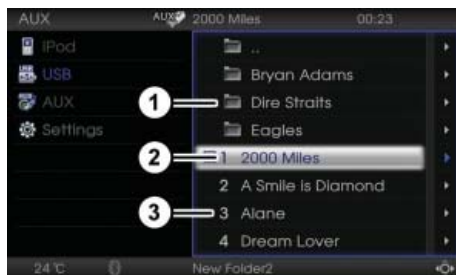▶ **To start forwarding:** Press and hold the ⌃ button.

or

▶ **To start reversing:** Press and hold the ⌄ button.

▶ **To terminate forwarding/reversing:** Release the ⌃ or ⌄ button.

Repeating tracks or folders

ℹ️ This function will keep repeating a track or folder until it is cancelled. Repetition of folders is only possible if the tracks are organized into folders. Tracks in subfolders within the folder to be repeated will be ignored.

▶ Highlight the desired track or folder.

① Folder
② Highlighted track
③ Track

▶ **To open the Options menu:** Push ➡ the controller ◎.

① Status display
② Options menu

▶ **To switch the function on/off:** In the Options menu, select the menu item Repeat Track or Repeat Folder.

Depending on the previous status, the function will be switched on or off. The status display ① changes accordingly.

- ◆ Display ☐ = function switched off
- ◆ Display ☑ = function switched on

When the function is switched on, the icon ♪ RPT (repeat track) or ▶ RPT (repeat folder) additionally appears on the right in the top status line.

i The repeat track function switches off automatically when you select another track.

The repeat folder function switches off automatically when you select a track in another folder.
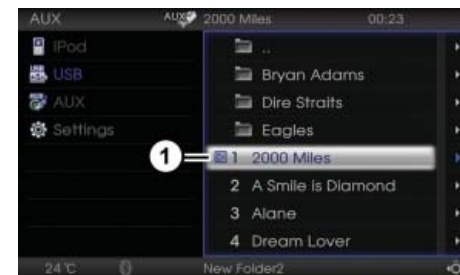
Both functions are switching off automatically when you:

- ◆ switch to a different audio or video signal source, for example to FM,
- ◆ switch the system off and back on again.

Random play

Switching random play of all tracks on/off

i Random play of all tracks plays all tracks on the USB memory stick in random order.

▶ Highlight the track currently playing.

① Play icon ▶ for track currently playing

▶ **To open the Options menu:** Push ➡ the controller ◎.

USB playback

① Status display
② Options menu

▶ **To switch the function on/off:** In the Options menu, select the menu item Random Disc.

Depending on the previous status, the function will be switched on or off. The status display ① accordingly.

- ◆ Display ☐ = function switched off
- ◆ Display ☑ = function switched on

When the function is switched on, the icon ⊙ RDM additionally appears on the right in the top status line.

ℹ The function switches off automatically when you:

- ◆ select any track,
- ◆ switch to a different audio or video signal source, for example to FM,
- ◆ switch the system off and back on again.

Switching random play within a specific folder on/off

ℹ Random play within a specific folder plays all tracks in a specific folder in random order. Tracks in subfolders within the specific folder will be ignored.

▶ Highlight the desired folder.

① Highlighted folder

▶ **To open the Options menu:** Push ➡ the controller ◎.

① Status display
② Options menu

▶ **To switch the function on/off:** In the Options menu, select the menu item Random Folder.

Depending on the previous status, the function will be switched on or off. The status display ① changes accordingly.

- ◆ Display ☐ = function switched off
- ◆ Display ☑ = function switched on

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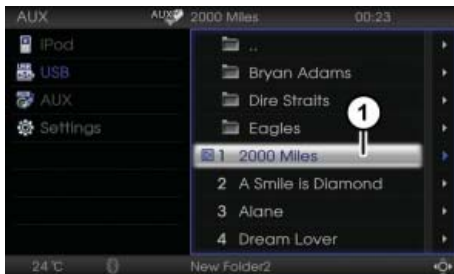When the function is switched on, the icon ▶ RDM additionally appears on the right in the top status line.

ℹ️ The function switches off automatically when you:

- ◆ select any track,
- ◆ switch to a different audio or video signal source, for example to FM,
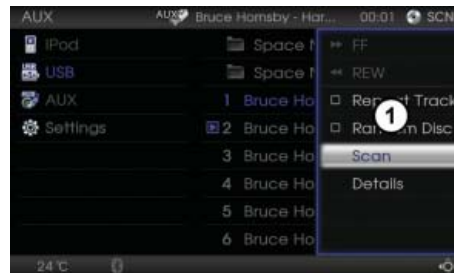- ◆ switch the system off and back on again.

Scan function

ℹ️ This function plays about 10 seconds of each track on the USB memory stick and then skips to the next track.

▶ Highlight the track from which you want the function to start.

① Highlighted track

▶ **To open the Options menu:** Push ➡ the controller ◎.

① Options menu

▶ **To switch the function on/off:** In the Options menu, select the menu item Scan.

When the function is switched on, the icon ● SCN additionally appears on the right in the top status line.

ℹ️ The function switches off automatically when you:

- ◆ select any track,
- ◆ switch to a different audio signal source, for example to FM,
- ◆ switch the system off and back on again.

It also switches off automatically when it reaches the track where it started.

Audio settings

Please see the section "Audio settings" on page 34 for a description of the audio settings.

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AUX mode

AUX playback

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Automatic picture switch-off

ℹ️ Switching the gear is described in detail in the vehicle's operation manual. Please pay attention to the corresponding descriptions and safety instructions in the vehicle's operation manual.

In the interest of safety, AUX video playback is only possible if the gear stick is in position **P**.

Else you will see a corresponding message in the display.
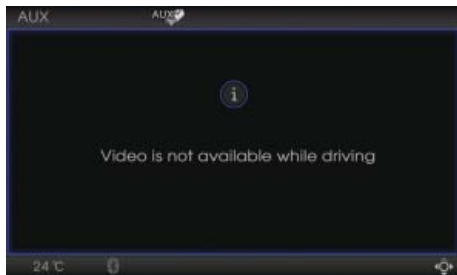
The system switches the picture back on as soon as the gear stick is in position **P**.

The AUX playback sound is not affected by the switch-off.

Starting playback

ℹ️ Before starting playback, make sure that the correct video standard is set, see the section "AUX video standard" on page 147.

▶ Connect an AUX signal source, see the section "Connecting signal sources" on page 125.

▶ Start playback on the AUX signal source.

▶ Open the AUX main menu and, if necessary, select the AUX signal source as the signal source in the AUX main menu, see page 129.

Depending on the AUX signal source, you will see one of the following full-screen displays.

Audio signal source (AUX audio source only):
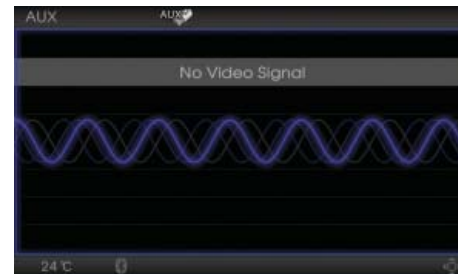
Video signal source:

Opening/closing the AUX main menu during playback

Opening the AUX main menu and closing the AUX full-screen display

▶ Press the **BACK** button.

The AUX main menu appears.

① AUX main menu
② Menu item AUX

Closing the AUX main menu and opening the AUX full-screen display

▶ Press the **DISC AUX** button.

or

▶ In the AUX main menu, select the menu item AUX.
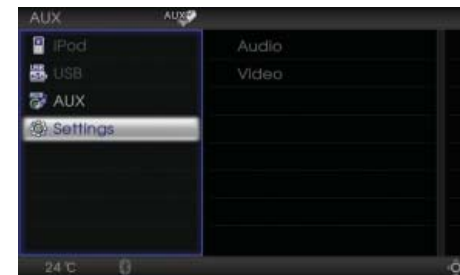
The AUX full-screen display appears.

Audio settings

Please see the section "Audio settings" on page 34 for a description of the audio settings.

Video settings

Opening the Video Settings menu

▶ During AUX video playback, press and hold the **BACK** button until the AUX main menu appears.

▶ In the AUX main menu, select the menu item Settings.

A selection menu appears.

145

AUX mode

AUX playback

① Selection menu

▶ In the selection menu, select the menu item Video.

The Video Settings menu appears.

① Video Settings menu

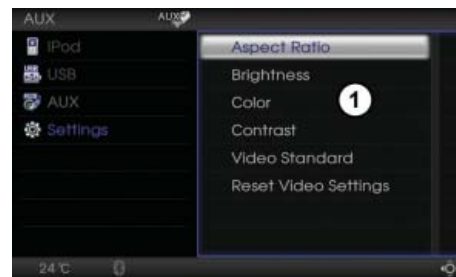The Video Settings menu includes the following functions:

- ◆ Aspect ratio, see page 146
- ◆ Brightness, color and contrast, see page 147
- ◆ AUX video standard, see page 147
- ◆ Video reset, see page 148

Closing the Video Settings menu

▶ Push ◀ the controller ◎ once.

or

▶ Briefly press the BACK button.

Aspect ratio

▶ Open the Video Settings menu, see section "Opening the Video Settings menu" on page 145.

① Video Settings menu

▶ **To open the Aspect Ratio menu:** In the Video Settings menu, select the menu item Aspect Ratio.

The Aspect Ratio menu appears.

① Icon ⊙ for currently active setting

▶ **To set the aspect ratio:** Select the desired setting.

Brightness, color and contrast

▶ Open the Video Settings menu, see section "Opening the Video Settings menu" on page 145.

① Video Settings menu

▶ **To open the desired menu:** In the Video Settings menu, select either the menu item Brightness, Color or Contrast.

The corresponding menu appears.

The illustration shows the brightness setting

① Scale for the brightness setting
② Indicator

The position of the indicator ② on the scale ① shows the current setting.

▶ Turn ❨ ❩ the controller ◎ until the desired setting is reached.

The system saves this setting automatically.

▶ **To close the menu:** Press the controller ◎.

or

▶ Briefly press the BACK button.

AUX video standard

ℹ This function lets you adapt the AUX video input of the system to the video standard of the AUX video signal source. The video standards NTSC and PAL are available.

▶ Open the Video Settings menu, see section "Opening the Video Settings menu" on page 145.

① Video Settings menu

▶ **To open the AUX Video Standard menu:** In the Video Settings menu, select the menu item Video Standard.

The corresponding menu appears.

147

AUX playback

① Icon ⦿ for currently active setting

▶ **To set the video standard:** Select the desired setting.

Video reset

You can use the video reset function to reset the following settings to their factory settings:

- ◆ Aspect ratio
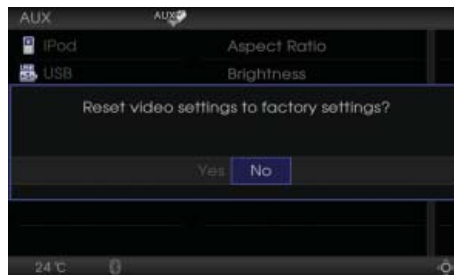- ◆ Brightness
- ◆ Color
- ◆ Contrast
- ◆ AUX video standard

▶ Open the Video Settings menu, see section "Opening the Video Settings menu" on page 145.

① Video Settings menu

▶ In the Video Settings menu, select the menu item Reset Video Settings.

You will be prompted to confirm that you wish to reset the video settings.

▶ Select Yes or No.

The system will or will not reset the video settings, depending on the answer you select.

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Phone

General information

Safety instructions

> ⚠️ **WARNING**
>
> If you use the phone functions when driving, you may be distracted from the traffic situation, thus increasing the accident hazard.
>
> Only use the phone functions when the vehicle is stationary.

When using the phone in the vehicle, the driver must observe all the laws and regulations of the relevant country.

If operation of phones during driving is legal, only do so when the traffic conditions permit this. Otherwise, your attention may be distracted from the road traffic, resulting in an accident.

The Driver Information System features an integrated hands-free unit. You can use this unit in combination with a mobile phone connected with the system. For your own safety, make all calls when driving using the hands-free unit. When you use the hands-free unit, concentrate on your driving, close all windows and avoid background noise.

If you do not wish to use the hands-free unit, stop or park your car when using the phone. Do not stop and park in areas where this is not permitted.

General information

Basic technical prerequisites for mobile phones

If you use a mobile phone with the system, the system will also act, among other things, as a hands-free unit.

To use a mobile phone with the system, it must be equipped with the following technology: *Bluetooth® wireless technology* with HFP (hands-free profile).

ℹ️ *Bluetooth® wireless technology* is a technology for wireless data communication over short distances of up to approx. 10 metres. The data exchange itself is controlled using profiles. The hands-free profiles enable the Driver Information System to be used as a hands-free unit.

To be able to use a mobile phone with the system, the mobile phone must be connected with the system using the above mentioned technology. Please see the section "Pairing/connecting/disconnecting a mobile phone" on page 153 for a detailed description of how to connect the mobile phone with the system.

ℹ️ The system does not support all mobile phones equipped with *Bluetooth® wireless technology*.

Interruptions to the connection while driving

Interruptions to the connection may occur if:

◆ there is inadequate network coverage,

◆ you are switching from one transmitting/ receiving station (cell) to another and there is no voice channel available in this cell.

Displaying phone numbers and names

The Driver Information System can display the phone number and name of the caller when there is a call incoming, for example, but also in other menus and displays.

For phone numbers to be displayed, the caller must transmit their phone number.

This also applies to the name display. The following must additionally be stored in the phonebook for this:

◆ the phone number of the caller,

◆ the name.

ℹ️ The phone number must be stored exactly as the caller transmits it.

Functional restrictions

Under the following circumstances, the phone functions may not or may not yet be useable:

◆ If it is not yet logged into a network.

◆ If the mobile phone is not connected with the Driver Information System.

During a phone call

During a phone call, the sound of the active audio or video source is muted.

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Phone main menu

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

The following functions are available in the Phone main menu:

- Calling up the list of missed calls, see the section "Calling up the call list" on page 166.

- Calling up the list of received calls, see the section "Calling up the call list" on page 166.

- Calling up the list of dialed numbers, see the section "Calling up the call list" on page 166.

- Calling up the phonebook, see the section "Calling up the phonebook" on page 175.

- Calling up the menu for entering a phone number, see the section "Entering a phone number" on page 164.

- Calling up the device list for pairing or connecting a mobile phone, see the section "Pairing a mobile phone" on page 153 or the section "Connecting a mobile phone" on page 156.

- Calling up phone settings, see the section "Switching automatic connection function on/off" on page 156.

Opening the Phone main menu

Using the control panel

▶ Press the INFO PHONE button.

Either the Phone main menu or the Info main menu appears.

  ▶ **If the Info main menu appears:**
  Press the INFO PHONE button once more.

  The Phone main menu appears, see illustration below.

Using the steering wheel

▶ Press the 📞 button.

The Phone main menu appears.
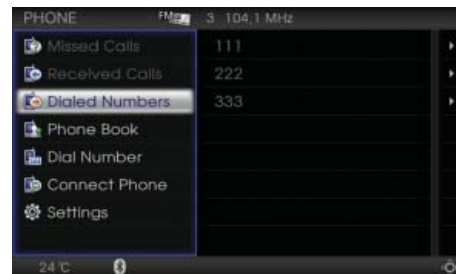
i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

General

Before you can use a mobile phone with the Driver Information System, it must be paired and connected with the system via *Bluetooth*®.

i Please refer to the section "Basic technical prerequisites for mobile phones" on page 150.

A precondition for pairing and connecting is that *Bluetooth*® is activated on the mobile phone.

Activating *Bluetooth*® on the mobile phone

▶ Proceed as described in the operating guide for your mobile phone.

Pairing a mobile phone

i Please refer also to the section "Basic technical prerequisites for mobile phones" on page 150.

You can pair a maximum of 8 mobile phones with the system.

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.

① Phone main menu

▶ In the Phone main menu, select the menu item Connect Phone.

The device list appears.
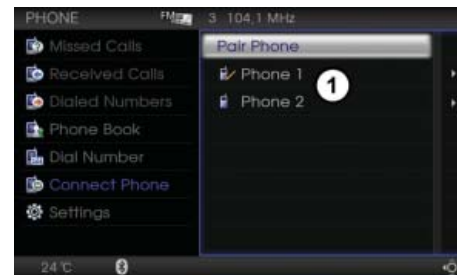
① Device list

▶ In the device list, select the menu item Pair Phone.

If there are 8 mobile phones already paired with the system, you will see an appropriate message.

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## Pairing/connecting/disconnecting a mobile phone
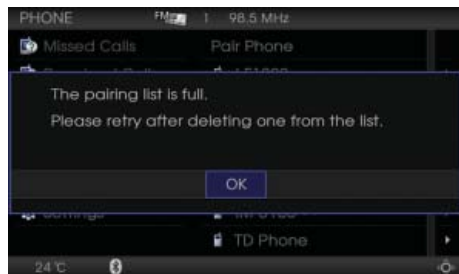
You must delete at least one mobile phone pairing in order to be able to pair a new mobile phone with the system.

▶ **To close the message:** Press the controller ⊙.

▶ **To delete a mobile phone pairing:** See the section "Deleting a pairing" on page 161.

If there are fewer than 8 mobile phones paired with the system, you will see a message prompting you to pair the mobile phone.
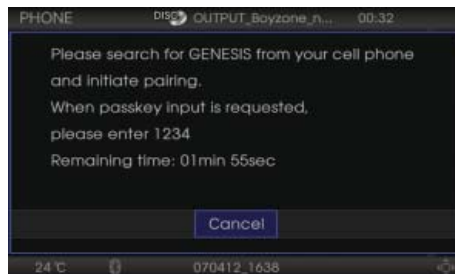
Pairing includes two steps: the mobile phone's search for the Driver Information System and the subsequent entry of the passkey on the mobile phone.
The passkey is 1234. There are 2 minutes of time available for entering the passkey.
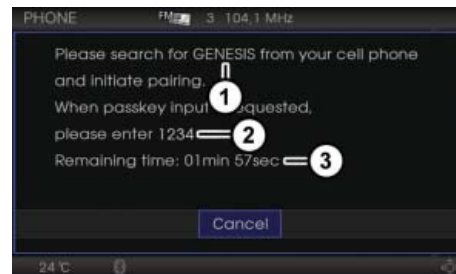
① *Bluetooth*® name of the Driver Information System
② Passkey
③ Remaining time for entry of the passkey

▶ Start the search for the Driver Information System on the mobile phone. Proceed as described in the operating guide for your mobile phone.

The *Bluetooth*® name of the Driver Information System is **GENESIS**, it is displayed under this name on the mobile phone.

Pairing/connecting/disconnecting a mobile phone

▶ Start pairing on the mobile phone. When the mobile phone asks for the passkey, enter the passkey 1234 in the mobile phone.

The system will abort entry of the passkey if the 2 minutes of time are running out without the passkey being entered.

If the passkey has been correctly entered, the mobile phone is paired with the system and automatically connected with the system. You will see an appropriate status display that automatically closes after a short time.
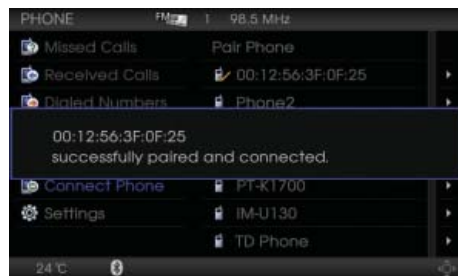
ℹ Some mobile phones make a request at the end of the pairing, if the connection should be made automatically or requested each time.

▶ If the passkey has not been correctly entered, you will see a prompt.
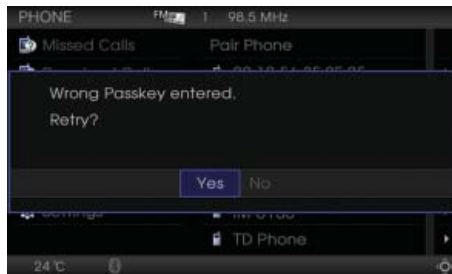
▶ **To terminate passkey entry:** Select No.

▶ **To enter the passkey again:** Select Yes and enter the passkey once more.

If connection is not possible despite the passkey having been entered correctly, you will see an appropriate message.

This message will close automatically and the system will attempt to connect with the last mobile phone that was connected.

If you wish to make another connection attempt with the newly paired mobile phone, you must do so manually, see the section "Connecting manually" on page 157.

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Phone

Pairing/connecting/disconnecting a mobile phone

Connecting a mobile phone

ℹ️ Please refer also to the section "Basic technical prerequisites for mobile phones" on page 150.

The following connection options are available:

- Connecting automatically, see page 156
- Connecting manually, see page 157

Connecting automatically

After the system is switched on, it automatically attempts to reconnect with the last mobile phone connected. The following conditions must be met for this:

- The mobile phone was not manually disconnected from the system by the user.
- The mobile phone is switched on and is within the reception range of the system.
- The mobile phone is still paired with the system.
- *Bluetooth*® is activated on the mobile phone.

- Automatic connection function of the system is switched on, see the section "Switching automatic connection function on/off" on page 156.

If no connection is possible, the system will attempt a connection with another mobile phone already previously paired with the system.
The above conditions must be met for this.

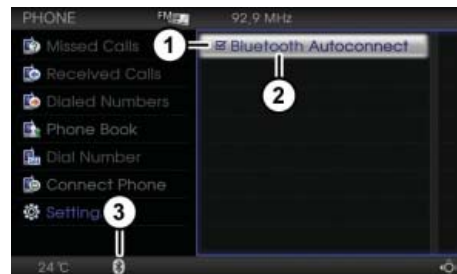#### *Switching automatic connection function on/off*

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.
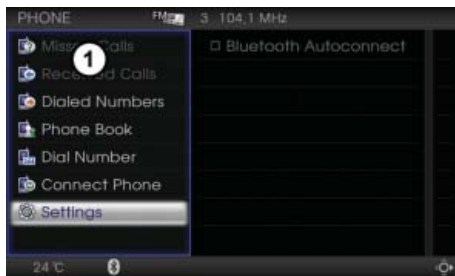
① Phone main menu

▶ In the Phone main menu, select the menu item Settings.

The Settings menu appears.

① Status display
② Menu item Bluetooth Autoconnect
③ Icon for the connection status

▶ In the Settings menu, select the menu item Bluetooth Autoconnect.

The automatic connection function will be activated or deactivated, depending on the previous status. The status display ① changes accordingly.

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Pairing/connecting/disconnecting a mobile phone

◆ Display ☐ = function deactivated

◆ Display ☑ = function activated

The connection status is displayed with the icon ③ in the bottom status line.

◆ Icon 🔳 = No mobile phone is connected

◆ Icon 🔳 = A mobile phone is connected

Connecting manually

ℹ Manual connection of a mobile phone automatically causes disconnection of any mobile phone already connected.

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.

① Phone main menu

▶ In the Phone main menu, select the menu item Connect Phone.

The device list appears.

ℹ The list will be empty if there have not yet been any mobile phones paired with the system.

The icons before the list entries indicate the status of the respective mobile phone.
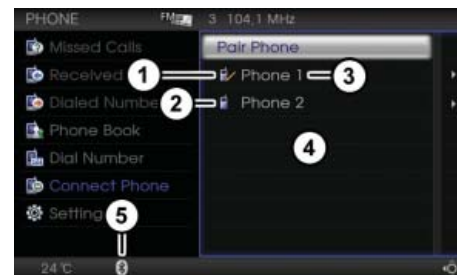
① Icon 📱 = Mobile phone is paired with the system and currently connected

② Icon 📱 = Mobile phone is paired with the system, but not currently connected

③ Phone name

④ Device list

⑤ Icon for the connection status

ℹ You can change the phone name, see the section "Renaming a phone" on page 160.

▶ **If the desired mobile phone is not in the list:** Pair the mobile phone with the system, see the section "Pairing a mobile phone" on page 153.

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Pairing/connecting/disconnecting a mobile phone

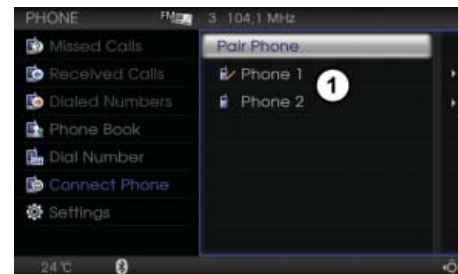▶ **If the desired mobile phone is in the list:** Select the mobile phone.

The system will start the process of connecting with the mobile phone.
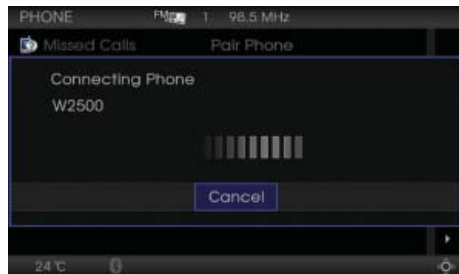
If connection is successful, the icon in the device list will change.
If connection is not successful, you will see an appropriate message that disappears after a short time.

The connection status is displayed with an icon in the bottom status line.

◆ Icon 🔋 = No mobile phone is connected

◆ Icon 🔋 = A mobile phone is connected

Terminating a connection

ℹ️ If you terminate a connection, the system is no longer able to connect that phone automatically as described in the section "Connecting automatically" on page 156. At first, you must connect the phone manually again, see section "Connecting manually" on page 157.

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.

① Phone main menu

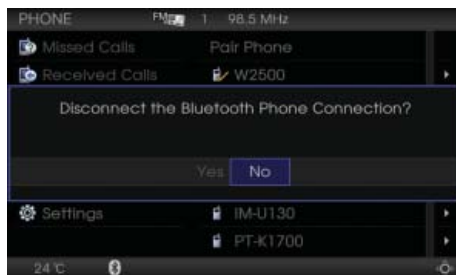▶ In the Phone main menu, select the menu item Connect Phone.

The device list appears.

① Device list

▶ Select the desired mobile phone in the device list.

You will be prompted to confirm that you wish to terminate the connection.

▶ Select Yes.

The connection will be terminated.

Dropped connection

ℹ The connection between the mobile phone and the system can drop, for example if the mobile phone is switched off or if it is no longer within the reception range of the system.

If the connection between the mobile phone and the system drops, you will see an appropriate message.

The system will automatically attempt to re-establish the connection, provided that the automatic connection function is still switched on, see section "Switching automatic connection function on/off" on page 156.

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Options

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

You can open the Options menu for each mobile phone shown in the device list.

The Options menu includes the following functions:

◆ Renaming a phone, see page 160

◆ Deleting a pairing, see page 161

◆ Deleting all pairings, see page 162

Calling up the device list

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.

▶ In the Phone main menu, select the menu item Connect Phone.

The device list appears.

Renaming a phone

ℹ️ The phone names shown in the device list generally originate from the mobile phones themselves. You can, however, also change the names.

▶ Call up the device list, see the section "Calling up the device list" on page 160.

① Device list

▶ Highlight the desired mobile phone in the device list ①.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Rename Phone.

The input menu appears.

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① Characters already entered
② Currently highlighted character
③ Predictive speller
④ Complete entry
⑤ Delete a complete entry
⑥ Delete individual characters
⑦ Enter space
⑧ Switch character set
⑨ Enlarged display of the currently highlighted character in the predictive speller ③

The input menu has two user-control areas: The area with the predictive speller ③ and the area with the menu items ④ and ⑤.

▶ **To move from one area to another:** Push ↑ ↓ the controller ◎.

▶ **To enter a character:** In the predictive speller, highlight a character by turning ❨ ❩ the controller ◎ and press the controller ◎.

The character is entered and appears in the display ① of characters already entered.

▶ **To switch character set:** In the predictive speller, select one of the menu items ⑧.

The corresponding character set appears in the predictive speller.

▶ **To delete individual characters:** In the predictive speller, select the menu item ⑥.

The last character entered is deleted.

▶ **To delete a complete entry:** From the predictive speller, push ↓ the controller ◎ and select the menu item Delete All.

The complete entry is deleted.

▶ **To make a new entry:** Push ↑ the controller ◎ to move back to the predictive speller and enter characters as described previously.

▶ **To complete entry:** From the predictive speller, push ↓ the controller ◎ and select the menu item OK.

Deleting a pairing

▶ Call up the device list, see the section "Calling up the device list" on page 160.

Phone

Options

① Device list

▶ Highlight the desired mobile phone in the device list.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Delete Pairing.

ℹ The menu item Delete Pairing cannot be selected if the highlighted mobile phone is connected with the system.

The pairing is now deleted and the mobile phone is also no longer connected with the system.

Before you can reconnect the mobile phone with the system you must pair it with the system again, see the section "Pairing a mobile phone" on page 153.

After the pairing is deleted, the system will automatically search for another mobile phone already paired with the system. If it finds one, this mobile phone will be automatically connected with the system.

Deleting all pairings

▶ Call up the device list, see the section "Calling up the device list" on page 160.

① Device list

▶ In the device list, push ➡ the controller ◎.
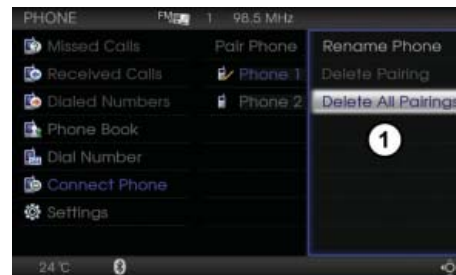
The Options menu appears.

① Options menu

▶ In the Options menu, select the menu
item Delete All Pairings.

ℹ The menu item Delete All Pairings cannot
be selected if the device list does not
contain any mobile phones.

All mobile phone pairings are deleted,
except for the connected mobile phone.

Initiating a call/accepting or rejecting a call

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Initiating an outgoing call

The following options for initiating an outgoing call are available:

- Entering a phone number, see page 164
- Using call lists, see page 165
- Using redial, see page 168
- Using the phonebook, see the section "Phonebook" on page 175

Entering a phone number

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.

▶ In the Phone main menu, select the menu item Dial Number.

The input menu appears.

① Input field
② Predictive speller
③ Enlarged display of the currently highlighted character in the predictive speller ②
④ Initiate a call
⑤ Store number in the phonebook
⑥ Delete individual digits
⑦ Delete a complete entry
⑧ Currently highlighted character

i At the beginning, the input field ① is empty.

The input menu has two user-control areas: The area with the predictive speller ② and the area with the menu items ④, ⑤ and ⑦.

▶ **To move from one area to another:** Push ⬆ ⬇ the controller ◎.

▶ **To enter a number:** In the predictive speller, highlight a digit by turning ❪ ❫ the controller ◎ and press the controller ◎.

The digit is entered and appears in input field ①.

▶ **To delete individual digits:** In the predictive speller, select the menu item ⑥.

The last entered digit is deleted.

▶ **To delete a complete entry:** From the predictive speller, push ⬇ the controller ◎ and select the menu item Delete All.

The complete entry is deleted.

Initiating a call/accepting or rejecting a call

▶ **To make a new entry:** Push ⬆ the controller ◎ to move back to the predictive speller and enter a number as described previously.

▶ **To store an entered number in the phonebook:** From the predictive speller, push ⬇ the controller ◎ and select the menu item SAVE.

The name input menu appears, see section "Creating a new entry" on page 175.

▶ Continue as described in the section "Creating a new entry", see page 175.

▶ **To initiate a call to the phone number entered:** From the predictive speller, push ⬇ the controller ◎ and select the menu item CALL.

The mobile phone initiates the call; a corresponding message is displayed.

PHONE   FM   1   98.5 MHz
Missed Calls   No:
Calling
114
END
Delete All   SAVE   CALL
24°C
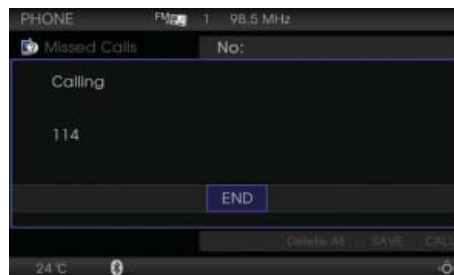
▶ **To cancel a call:** Press the controller ◎.

The call is cancelled.

If the other party answers, the call is active and you conduct the call over the hands-free unit. Please see the section "Functions during a call" on page 169 for a description of the functions that are possible during a call.

Using call lists

The Driver Information System can display each of the following in a separate list:

◆ Missed calls

◆ Received calls

◆ Dialed numbers

ℹ The list of received calls also contains the rejected calls.

Each list contains a maximum of 20 entries. You can use the entries to initiate an outgoing call.

The call lists of the system are independent of those of the mobile phone. Connecting and disconnecting of mobile phones does not influence the call lists.

The system can only log calls or dialed numbers in its list if the mobile phone is connected with it and if the phone functions are being used via the system.

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Initiating a call/accepting or rejecting a call

Calling up the call list

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.
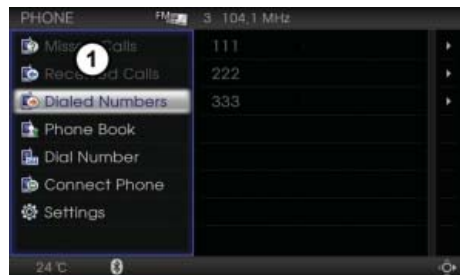
① Phone main menu

▶ In the Phone main menu, select one of the menu items Missed Calls, Received Calls or Dialed Numbers.

The appropriate call list appears. The entries in the list are sorted in chronological order, with the most recent at the top.

Illustration shows the list of dialed numbers

Initiating a call

▶ Select the desired entry in the call list.

The mobile phone initiates the call. If the other party answers, the call is active and you conduct it over the hands-free unit.

Please see the section "Functions during a call" on page 169 for a description of the functions that are possible during a call.

Saving a list entry to the phonebook

▶ Highlight the desired entry in the call list.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Save to Phone Book.

ℹ The menu item Save to Phone Book cannot be selected if the number is already saved to the phonebook.

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The name input menu appears, see section "Creating a new entry" on page 175.

▶ Continue as described in the section "Creating a new entry", see page 175.

Deleting an individual list entry

▶ Highlight the desired entry in the call list.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Delete.

You will be prompted to confirm that you really want to delete the entry.
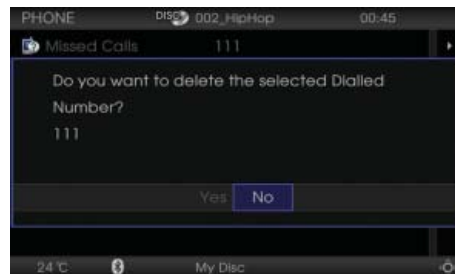
▶ Select Yes or No.

The entry will be deleted or retained, depending on the answer selected.

Deleting all list entries

ℹ This function deletes all entries in the call list currently open.

▶ In the call list, push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Delete All.

You will be prompted to confirm that you really want to delete all entries in the call list currently open.

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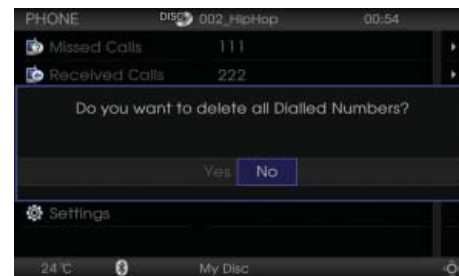
Initiating a call/accepting or rejecting a call

▶ Select Yes or No.

The entries will be deleted or retained, depending on the answer selected.

Using redial

ℹ️ You can use redial as a quick way of initiating another call to the last number dialed.

▶ Press and hold the 📞 button on the steering wheel.

The system will initiate the call to the corresponding phone number.

ℹ️ You can also use the list of dialed numbers for the redial function, see the section "Using call lists" on page 165.

Accepting/rejecting an incoming call

The call screen is displayed when there is a call incoming.
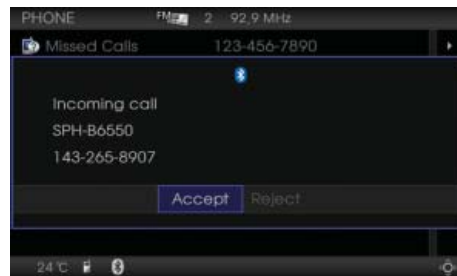
▶ **Accepting a call:** Select Accept.

or

▶ Briefly press the 📞 button on the steering wheel.

The call is active and you conduct it over the hands-free unit.

▶ **Rejecting a call:** Select Reject.

or

▶ Press and hold the 📞 button on the steering wheel.

Please see the section "Functions during a call" on page 169 for a description of the functions that are possible during a call.

Functions during a call

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Overview

The following functions are available during a call:

◆ Setting the call volume, see the section "Setting the volume" on page 33

◆ Mute the microphone, see page 169

◆ Switching private mode on/off, see page 170

◆ Holding and reactivating a call, see page 170

◆ Sending DTMF tones, see page 171

◆ Ending a call, see page 171

◆ Special functions for two calls, see page 172

Call display

The illustration below shows the display during a call via the mobile phone.

① Call status display
② Name and number of the other party
③ Call duration
④ Name of the mobile phone
⑤ Predictive speller
⑥ End the call
⑦ Switch the microphone on/off
⑧ Switch private mode on/off
⑨ Hold or reactivate the call

The call display has three user-control areas:

◆ Area with the predictive speller ⑤

◆ Area with the menu item ⑥

◆ Area with the menu items ⑦ - ⑨

▶ **To move from one area to another:** Push ⬆ ⬇ ⬅ ➡ the controller ◎.

Mute the microphone

When the microphone is muted, the other party cannot hear you although you can still hear them.

① Call status display
② Microphone status display
③ Mute Mic menu item

Functions during a call

▶ In the call display, select the menu item Mute Mic.

Depending on the previous status, the microphone will be muted or not. The microphone status display will change accordingly.

- ◆ Display ☐ = microphone not muted
- ◆ Display ☑ = microphone muted

The call status display will likewise change.

Switching private mode on/off

ℹ️ Private mode allows you to transfer the call back and forth between the hands-free unit and the mobile phone. This function is not possible with all mobile phones. Some mobile phones disconnect the *Bluetooth®* connection between the system and mobile phone when private mode is switched on. Private mode is automatically switched off when you end the last active call.

When private mode is switched off you conduct the call over the hands-free unit (vehicle), when private mode is switched on you conduct the call over the mobile phone.

Even when private mode is switched on, the sound of the active audio or video source is muted.

① Call status display
② Private mode status display
③ Private Mode menu item

▶ Before or during the call, select the menu item Private Mode in the Phone main menu.

or

▶ During the call, press the MODE button on the steering wheel.

Depending on the previous status, private mode will be switched on or off. The private mode status display to the left of the menu item will change accordingly.

- ◆ Display ☐ = private mode switched off
- ◆ Display ☑ = private mode switched on

The call status display will likewise change.

Holding and reactivating a call

ℹ️ This function is only available if it is supported and enabled by the phone network operator and supported by the mobile phone.

When the call is on hold, you will not hear the other party and they will not hear you.

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① Call status display
② Hold Call menu item

▶ **To hold a call:** In the call display, select the menu item Hold Call.

The call is on hold and the call status display ① changes. The menu item Hold Call changes to Activate Call.

▶ **Reactivating a call:** In the call display, select the menu item Activate Call.

The call is reactivated and the call status display ① changes again. The menu item Activate Call changes to Hold Call.

Sending DTMF tones

i DTMF tones can be sent during the call. You can use them to control answering machines or other devices, for example for remote query functions.

① Display of the digits or characters already sent
② Predictive speller

▶ In the predictive speller ②, highlight a digit or character and press the controller ◎.

The corresponding tone will be sent and the digit or character appears in the display ①.

Ending a call

① END menu item

▶ In the call display, select the menu item END.

or

▶ Press and hold the 📞 button on the steering wheel until the call is ended.

i Ending the call using the steering wheel will also work if the display is showing something other than phone mode, for example the map display in navigation mode.

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Functions during a call

Special functions for two calls

The following functions are available provided they are supported and enabled by the phone network operator and supported by the mobile phone:

◆ Calling a second party, see page 172

◆ Accepting/rejecting a call-waiting call, see page 172

◆ Swapping between two calls, see page 173

◆ Ending calls, see page 173

Calling a second party

① Call status display
② Hold Call menu item

▶ In the call display, select the menu item Hold Call.

The first call is on hold and the call status display ① changes. The menu item Hold Call changes to Activate Call.

▶ **To enter the phone number:** Enter the individual digits of the phone number as described in the section "Entering a phone number", see page 164.

▶ **To complete entry and initiate the call:** Select the menu item CALL.

The mobile phone initiates the call to the second party; a corresponding message is displayed.

  ▶ **To cancel a call:** Press the controller ◎.

  The first call is automatically reactivated.

If the other party answers, the second call is active.

You now have the following options:

◆ Swapping between two calls, see page 173

◆ Ending calls, see page 173

Accepting/rejecting a call-waiting call

ℹ This function is only available if it is supported by the phone and the phone service provider and if it is enabled.

If someone rings you during a call, you will see the call waiting display.
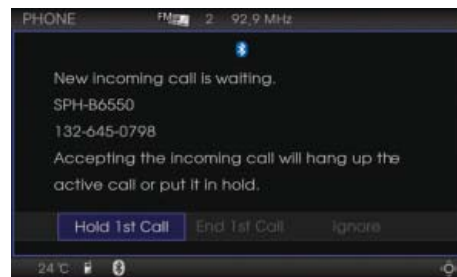
Functions during a call

The following functions are available:

- ◆ Accepting the call-waiting call and holding the first call
- ◆ Accepting the call-waiting call and ending the first call
- ◆ Rejecting the call-waiting call

Accepting the call-waiting call and holding the first call

▶ Select Hold 1st Call.

or

▶ Briefly press the 📞 button on the steering wheel.

The call-waiting call is accepted and active and the first call is on hold.

Accepting the call-waiting call and ending the first call

▶ Select End 1st Call.

The call-waiting call is accepted and active and the first call is ended.

Rejecting the call-waiting call

▶ Select Ignore.

or

▶ Press and hold the 📞 button on the steering wheel.

The first call remains active.

Swapping between two calls

If you have one active call and one call on hold, you can swap between the two calls.

① Icon for the active call
② Active party
③ Party on hold
④ Swap Calls menu item
⑤ Icon for the call on hold

▶ Select the menu item Swap Calls.

or

▶ Briefly press the 📞 button on the steering wheel.

The previously active call is now on hold and the previously call on hold is now active. The displays ② and ③ change accordingly.

Ending calls

Ending both calls simultaneously

▶ Press and hold the 📞 button on the steering wheel until the two calls are ended.

ℹ️ This function is also possible if the display is showing something other than phone mode, for example the map display in navigation mode.

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Functions during a call

Ending the active call only

i Ending the active call activates the
previously call on hold, which can then also
be ended.

① End Call menu item

▶ In the call display, select the menu item
End Call.

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

General information

The phonebook of the Driver Information System is independent from the phonebook of the mobile phone. Transfer of phonebook entries from the system to the mobile phone or vice versa is not possible.

The system phonebook holds a maximum of 200 entries. Each entry can contain a name and a phone number.

Calling up the phonebook

▶ Open the Phone main menu, see the section "Opening the Phone main menu" on page 152.

▶ In the Phone main menu, select the menu item Phone Book.

The phonebook appears.
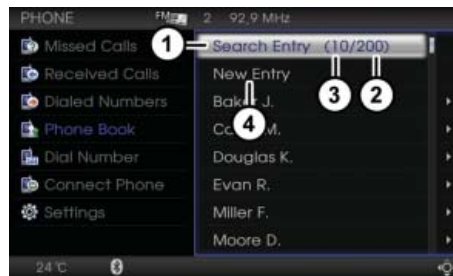
① Search for an entry
② Maximum number of entries
③ Existing entries
④ Create a new entry

The following functions are now available:

◆ Creating a new entry, see page 175

◆ Editing an entry, see page 177

◆ Searching for an entry, see page 178

◆ Displaying details on an entry, see page 180

◆ Initiating a call to an entry, see page 180

◆ Deleting an entry, see page 181

Creating a new entry

i You can also create entries in the call lists as new phonebook entries, see the section "Using call lists" on page 165.

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

▶ In the phonebook, select the menu item New Entry.

i The phonebook holds a maximum of 200 entries. The menu item New Entry cannot be selected if the phonebook is full.

The input menu appears. You can now enter the name.

Phonebook

① Input field
② Currently highlighted character
③ Predictive speller
④ Complete entry
⑤ Delete a complete entry
⑥ Delete individual characters
⑦ Enter space
⑧ Switch character set
⑨ Enlarged display of the currently highlighted character in the predictive speller ③

i At the beginning, the input field ① is empty.

The input menu has two user-control areas: The area with the predictive speller ③ and the area with the menu items ④ and ⑤.

▶ **To move from one area to another:** Push ↑ ↓ the controller ◎.

Entering a name

i You can enter a maximum of 50 characters for a name.

▶ **To enter a character:** In the predictive speller, highlight a character by turning ❪ ❫ the controller ◎ and press the controller ◎.

The character is entered and appears in the input field ①.

▶ **To switch character set:** In the predictive speller, select one of the menu items ⑧.

The corresponding character set appears in the predictive speller.

▶ **To delete individual characters:** In the predictive speller, select the menu item ⑥.

The last character entered is deleted.

▶ **To delete a complete entry:** From the predictive speller, push ↓ the controller ◎ and select the menu item Delete All.

The complete entry is deleted.

▶ **To make a new entry:** Push ↑ the controller ◎ to move back to the predictive speller and enter characters as described previously.

▶ **To confirm an entry:** From the predictive speller, push ↓ the controller ◎ and select the menu item OK.

If the phonebook already contains an entry with the name entered, you will see an appropriate message.

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▶ **To close the display:** Press the controller ◎.

▶ **To correct an entry:** Proceed as described above.

If the phonebook do not yet contain an entry with the name entered, you can now enter the phone number.

Entering a phone number

ℹ️ You can enter a maximum of 20 characters for a phone number.

▶ Proceed as previously when entering a name, see page 176.

▶ **To confirm an entry:** Select the menu item OK.

The entry procedure is completed and the entry is created.

Editing an entry

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

The phonebook appears in the form of a list. You will find an operating example for a list in the section "Lists" on page 29 of the chapter "Functional introduction". There you will also find the description of how to scroll through a list.
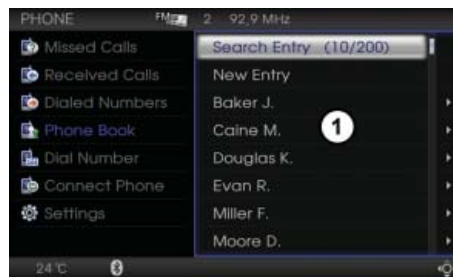
① Phonebook

▶ Highlight the desired entry in the phonebook.

▶ Push ➡ the controller ◎.

The Options menu appears.
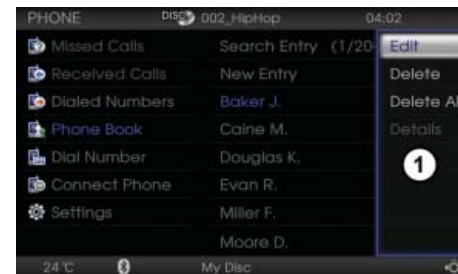
① Options menu

▶ In the Options menu, select the menu item Edit.

A selection list appears.

▶ Highlight the name or phone number and press the controller ◎.

The editing menu appears.

▶ Proceed as previously when entering a name or number, see page 176.

▶ **To complete editing:** Select the menu item OK.

ℹ️ The menu item OK can only be selected if at least one character has been changed or entered.

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Phonebook

Searching for an entry

You can scroll through the phonebook or use the search function.

Scrolling through the phonebook
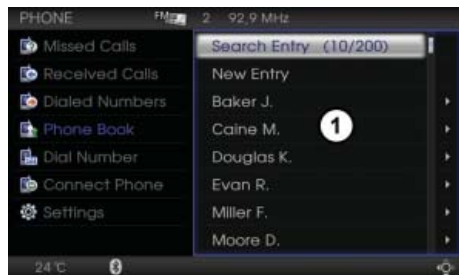
▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

The phonebook appears in the form of a list. You will find an operating example for a list in the section "Lists" on page 29 of the chapter "Functional introduction". There you will also find the description of how to scroll through a list.
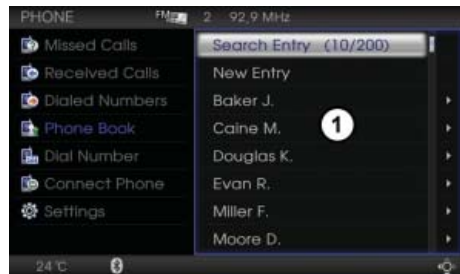
① Phonebook

Using the search function

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.
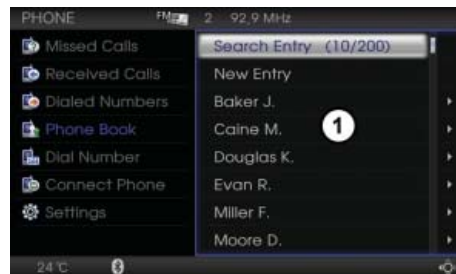
① Phonebook

▶ In the phonebook, select the menu item Search Entry.

ℹ The menu item Search Entry cannot be selected if the phonebook does not contain any entries.

The search menu appears.
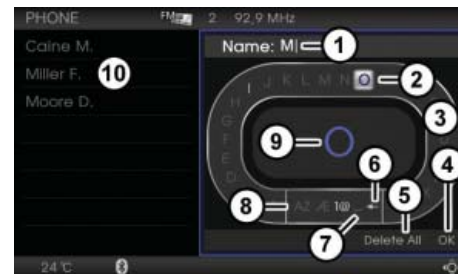
① Input field
② Currently highlighted character
③ Predictive speller
④ Complete entry
⑤ Delete a complete entry
⑥ Delete individual characters
⑦ Enter space
⑧ Switch character set
⑨ Enlarged display of the currently highlighted character in the predictive speller ③
⑩ List of hits

ℹ At the beginning, the input field ① is empty.

The search menu has two user-control areas: The area with the predictive speller ③ and the area with the menu items ④ and ⑤.

▶ **To move from one area to another:** Push ⬆ ⬇ the controller ◎.

▶ **To enter a character:** In the predictive speller, highlight a character by turning ❨ ❩ the controller ◎ and press the controller ◎.

ℹ️ Not all of the characters displayed can be highlighted in the predictive speller. The characters that can be highlighted depend on those already entered and the data for the phonebook.

The character is entered and appears in the input field ①.

The list of hits ⑩ is adapted accordingly each time you enter a character. It shows the entries matching the entered characters.

▶ **To switch character set:** In the predictive speller, select one of the menu items ⑧.

The corresponding character set appears in the predictive speller.

▶ **To delete individual characters:** In the predictive speller, select the menu item ⑥.

The last character entered is deleted.

▶ **To delete a complete entry:** From the predictive speller, push ⬇ the controller ◎ and select the menu item Delete All.

The complete entry is deleted.

▶ **To make a new entry:** Push ⬆ the controller ◎ to move back to the predictive speller and enter characters as described previously.

▶ **To complete entry:** From the predictive speller, push ⬇ the controller ◎ and select the menu item OK.

A selection list with one or more entries containing the entered characters is displayed.

The following functions are now available:

◆ Editing an entry, see page 177

◆ Displaying details on an entry, see page 180

◆ Initiating a call to an entry, see page 180

◆ Deleting an entry, see page 181

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Phonebook

Displaying details on an entry

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

The phonebook appears in the form of a list. You will find an operating example for a list in the section "Lists" on page 29 of the chapter "Functional introduction". There you will also find the description of how to scroll through a list.
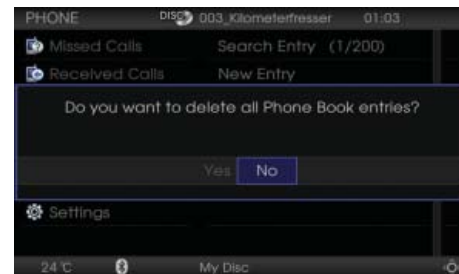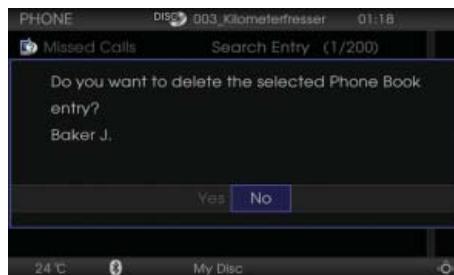

① Phonebook

▶ In the phonebook, highlight the desired entry.

▶ Push ➡ the controller ◎.

The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Details.

The details screen appears.

▶ **To close the details screen:** Press the controller ◎.

Initiating a call to an entry

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

▶ Highlight the desired entry.

▶ Press the controller ◎.

The system initiates the call.

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Deleting an entry

You can delete all entries or just an individual entry.

Deleting all entries

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

The phonebook appears in the form of a list. You will find an operating example for a list in the section "Lists" on page 29 of the chapter "Functional introduction". There you will also find the description of how to scroll through a list.
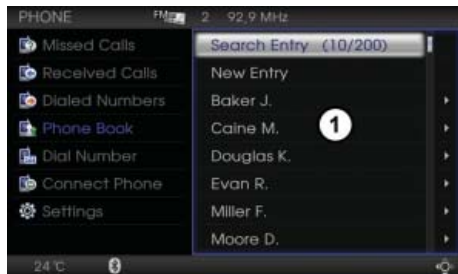
① Phonebook

▶ In the phonebook, highlight any entry you like.

▶ Push ➡ the controller ◎.
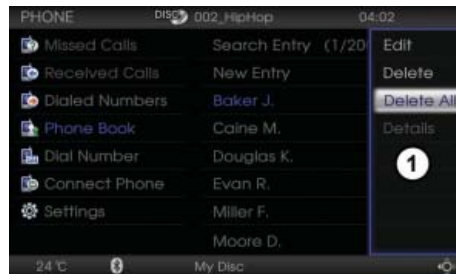
The Options menu appears.

① Options menu

▶ In the Options menu, select the menu item Delete All.

You will be prompted to confirm that you wish to delete all entries.

▶ Select Yes or No.

All entries will be deleted or retained, depending on the answer selected.

Deleting an individual entry

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

▶ Call up the phonebook, see the section "Calling up the phonebook" on page 175.

The phonebook appears in the form of a list.

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Phonebook

You will find an operating example for a list in the section "Lists" on page 29 of the chapter "Functional introduction". There you will also find the description of how to scroll through a list.
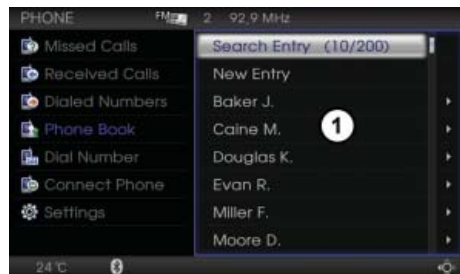
① Phonebook

▶ In the Phonebook, highlight the desired entry.

▶ Push ➡ the controller ◎.

The Options menu appears.
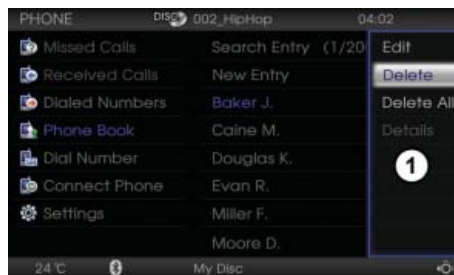
① Options menu

▶ In the Options menu, select the menu item Delete.

You will be prompted to confirm that you wish to delete the highlighted entry.

▶ Select Yes or No.

The entry will be deleted or retained, depending on the answer selected.

Navigation

General information

Safety instructions

> ⚠️ **WARNING**
>
> Due to changes in traffic conditions, the navigation system may guide you to impassable route.
>
> During driving, always pay attention to the the traffic condition.
>
> Operations such as adding mark points and searching POIs may distract you from the traffic situation, thus increasing the accident hazard.
>
> Perform these operations only when the vehicle is stationary.

> ⚠️ **WARNING**
>
> If you use the navigation system, the following factors may increase the accident hazard:
>
> ◆ Distraction from the traffic situation.
>
> ◆ Failure to observe traffic signs, traffic regulations and road safety facilities.
>
> ◆ Inappropriate audible driving recommendations or route guidance displays as a result of the real world not matching the data on the digital map, for example road works or modified road routing.
>
> Therefore, always comply with the following:
>
> ◆ Only enter a navigation destination when the vehicle is stationary.
>
> ◆ Always observe traffic signs, traffic regulations and road safety facilities. They always have priority over the audible driving recommendations or route guidance displays by the system.

Digital map

The data for the digital map will become obsolete, just like conventional road maps. Optimum route guidance is only achieved with up-to-date map software.
Information on new map software versions is available from your Hyundai service center.

GPS reception

The navigation system uses the Global Positioning System (GPS). The correct functioning of the navigation system is dependent on the GPS reception.

In certain situations, GPS reception may be impaired, distorted or even impossible, for example in tunnels, multi-storey car parks or due to snow on the GPS antenna. The system will show you whether or not the GPS reception is sufficient, see the section "Calling up the map display and switching to navigation mode" on page 187.

Route guidance after vehicle transport

After vehicle transport (e.g. by ferry, car train or by towing), the navigation system no longer knows the correct vehicle position. The system therefore needs to re-determine its position.

Positioning is performed automatically. The actual length of time may vary from case to case.

During positioning, route guidance is subject to the following restrictions:

◆ Audible driving recommendations, route guidance displays and displayed data do not match the actual location.

◆ The system does not output audible driving recommendations.

Once positioning is complete, route guidance continues as usual with appropriate audible driving recommendations and route guidance displays.

Function restrictions when driving the vehicle

Some functions of the navigation system are restricted or not available at all as soon as the vehicle exceeds a certain speed.

As soon as the vehicle falls below a certain speed, the functions are available again. The restriction can be recognized from the fact that certain menu items have no function.

Menu items without function

Menu items without function are shown in grey color, see example illustration below.

Screenshot is not the correct one. Correct one must be requested.
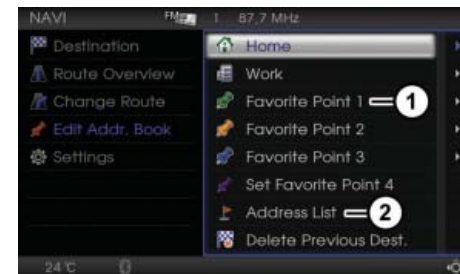
① Menu items with function
② Menu item without function

🅸 The illustration above shows the Address Book with its several menu categories.

The table below shows the certain menu items and their restriction when driving the vehicle.

Red colored menu items = Items without function when driving the vehicle

Black colored menu items = Items with function when driving the vehicle

General information

Navigation main menu item	Submenu or options menu item

Destination	◆ All items except Address Book
	◆ Address Book
	  ◆ All items except Address List
	  ◆ Item Address List

Route Overview	◆ All items
Change Route	◆ All items
Edit Addr. Book	◆ All items
Settings	◆ Guidance Volume ◆ NAVI Information ◆ All other items

Restricted menus while the vehicle is driving

If one of the menus with a restriction is open and the vehicle exceeds a certain speed, three cases are possible:

◆ If the menu is completely restricted during driving:
All menu items are shown in grey color. None of the menu items can be selected.

◆ If the menu is partially restricted during driving and a restricted menu item was highlighted before driving:
The next unrestricted menu item will be highlighted automatically and all restricted menu items are shown in grey color. Only the not restricted menu items can be selected.

◆ If the menu is partially restricted during driving and a not restricted menu item was highlighted befor driving:
All restricted menu items are shown in grey color. Only the not restricted menu items can be selected.

i While in a restricted menu, you can always use the BACK button to go back to the next higher menu level.

i For information on general system
operation, please refer to the chapter
"Functional introduction" from page 17.

Calling up the map display and switching to navigation mode

▶ Press the [MAP GUIDE] button.

The map display showing the current
vehicle position and further information
appears.

**Example screenshot, it comes from the
Korean manual.**

① Currently set map orientation
② Current time
③ Distance/direction indicator
④ Audible driving recommendations are
deactivated
⑤ Current vehicle position

⑥ Voice control system is active
⑦ **Estimated time of arrival**
⑧ Display for GPS reception (blue
lettering = reception is o.k.)

**Below is the provided US screenshot. It
doesn't contain information marked
with the numbers** ②**,** ③**,** ⑥**, and** ⑧ **as
shown in the example screenshot on the
left. Doesn't the US system show this
information?**

You can switch the map orientation, see the
section "Switching the map orientation" on
page 244.

The distance/direction indicator ③ only
appears if a route guidance is active. You
can switch the distance/direction indicator
③ between displaying the data for the

waypoint or for the main destination, see
the section "Switching the distance/
direction display" on page 223.

The display ④ only appears if the audible
driving recommendations are deactivated,
see the section "Activating/deactivating
audible driving recommendations" on
page 191.

The display ⑥ only appears if the voice
control system is active.

The display ⑦ only appears when route
guidance is active.

Position/scroll mode within the map display

If you call up the map display as previously
described, position mode is automatically
set.
In position mode, you always see the
current vehicle position.

In scroll mode, you see a crosshairs on the
map and you can move (scroll) the map.

Basic functions

Switching mode

▶ **To switch from position mode to scroll mode:** Push the controller ◎ in any direction (⬆ ⬇ ⬅ ➡ ⬃ ⬂).

The crosshairs appear and you can move the map, see the section "Moving the map/setting the map scale" on page 190.

① Information on the crosshairs position
② Crosshairs
③ Current vehicle position
④ Distance and direction as the crow flies from the vehicle position to the crosshairs position

▶ **To switch from scroll mode to position mode:** Press the MAP GUIDE button.

The crosshairs disappear and the map is automatically set to the current vehicle position.

ℹ️ If you have moved the map, you can quickly move the map to the vehicle position using this function.
If you press the MAP GUIDE button while route guidance is active, you will also hear a current audible driving recommendation.

Options in position/scroll mode

ℹ️ Different options are available in the Options menu depending on whether position mode or scroll mode is set.

Opening the Options menu

▶ In the map display, press the controller ◎.

The Options menu appears. The options available in the respective mode are described in the following sections.

▶ **To return to the Navigation main menu:** Briefly press the BACK button.

Options in position and scroll mode

The following options are available in position and scroll modes:

◆ Traffic information, see page 230

◆ Switching the map orientation, see page 244

◆ Entering a POI destination via a vicinity search, see page 208

Options in scroll mode only

The following options are available in scroll mode:

◆ Saving the crosshairs position as a destination in the address book category Address List, see the section "Option 2 (only for the category Address List)" on page 233

◆ Setting the center point of the crosshairs as the destination, see the section "Conforming the destination" on page 215

◆ Adding the center point of the crosshairs as the waypoint, see the section "Adding the destination to an existing route as a waypoint" on page 215

◆ Calling up POI information and initiating a call to a POI, see the section "POI information" on page 229

ℹ POIs (points of interest) include gas stations, restaurants and banks, for example. This function is only available if the center point of the crosshairs is indicating a POI.

Options in position mode only

The following options are available in position mode:

◆ Suspending route guidance, see page 222

ℹ This function is only available during route guidance.

◆ Resuming route guidance, see page 222

ℹ This function is only available if route guidance was previously interrupted.

◆ Changing the route, see page 223

◆ Switching the map orientation, see the section "Switching the map orientation" on page 244

◆ Switching the map mode, see the section "Switching the map mode" on page 245

◆ Switching the distance/direction display, see page 223

◆ Freeway information, see page 228

Information on the current vehicle position

▶ Press the [MAP GUIDE] button.

You will see an information display on the current vehicle position at the top of the display, if the digital map contains corresponding data.
The display disappears automatically after a short time.
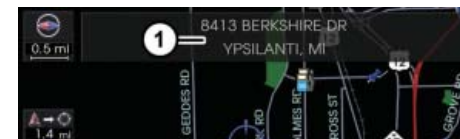
① Information display

Basic functions

Moving the map/setting the map scale

i It is no longer possible to gradually move the map as soon as the vehicle exceeds a certain speed. It becomes possible to gradually move the map again as soon as the vehicle falls below a certain speed.
If you move the map while the vehicle is stationary, then the rate at which the map moves will increase the longer you press and hold the controller ◎.

▶ **To activate scroll mode:** Push the controller ◎ in any direction (⬆ ⬇ ← → ⬋ ⬊).

If the map was previously in position mode, it will switch to scroll mode and you will see a crosshairs.

① Information on the crosshairs position
② Crosshairs
③ Current vehicle position
④ Distance and direction as the crow flies from the vehicle position to the crosshairs position
⑤ Currently set map scale

▶ **To move the map:** Push and hold the controller ◎ in any direction (⬆ ⬇ ← → ⬋ ⬊).

The map moves accordingly.

▶ **To set the map scale:** Turn 〔 〕 the controller ◎ until the desired scale is reached.

▶ **To quickly set the map to the vehicle position:** Press the MAP GUIDE button.

The crosshairs disappear. The map is automatically set to the current vehicle position and is in position mode.

Audible driving recommendations

Setting the volume of the audible driving recommendations

i The volume can also be set during an audible driving recommendation, see the section "Functional introduction", section "Setting the volume" on page 33.

Opening the Settings menu

▶ **To open the Navigation main menu:** Press and hold the BACK button until the Navigation main menu appears.

▶ In the Navigation main menu, select the menu item Settings.

The Settings menu appears.

Setting the volume

▶ In the Settings menu, select the menu item Guidance Volume.

The volume scale appears.

▶ Turn ❨ ❩ the controller ◎ until the desired setting is reached.

The system saves this setting automatically.

▶ **To close the menu:** Press the BACK button.

Activating/deactivating audible driving recommendations

🛈 If audible driving recommendations are deactivated, you will see the 🗷 icon on the left-hand side of the map display.
The icon will also be visible in the bottom status line, if the status line is displayed.

▶ **To call up the map display in position mode:** Press the MAP GUIDE button.

The map display appears.

▶ **To open the Options menu:** Press the controller ◎.

The Options menu appears.

▶ **To activate/deactivate:** In the Options menu, select the menu item Voice Off or Voice On.

The text of the menu item and the icon to the left of the menu item change accordingly, both always show the current status.

▶ **To close the Options menu:** Press the BACK button.

Calling up a current audible driving recommendation

🛈 If you did not understand an audible driving recommendation, you can call up a current driving recommendation at any time.

▶ Press the MAP GUIDE button.

You will hear a current audible driving recommendation. The display will simultaneously switch to the map display, if it was previously showing a different display.

Navigation main menu

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Opening the Navigation main menu
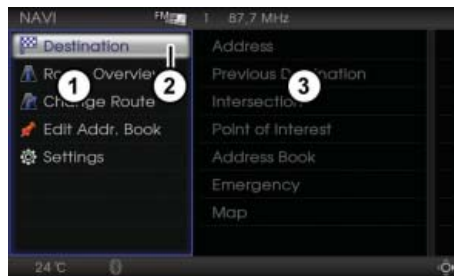
From any point in navigation mode

▶ Press and hold the **BACK** button.

From any other mode, e.g. FM mode

▶ Press the **NAVI MENU** button.

From the map display

▶ **If the map is in position mode:** Briefly press the **BACK** button.

▶ **If the map is in scroll mode:** Press and hold the **BACK** button.

① Navigation main menu
② Highlighted menu item
③ Submenu items of the highlighted menu item

You can access the following menu items in the Navigation main menu:

◆ Destination, see the section "Entering destinations" on page 193

◆ Route Overview , see the section "Displaying the calculated route again" on page 222

ℹ️ The menu item Route Overview is only available when route guidance is active.

◆ Change Route, see the section "Waypoints" on page 224

ℹ️ The menu item Change Route is only available if a destination has been entered.

◆ Edit Addr. Book see the section "Editing Address Book entries" on page 239

◆ Settings, see the section "Settings" on page 243

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

i When entering a destination, you can only enter the data stored in the digital map.

The following options are available for entering a destination:

◆ Entering a destination via the address, see page 193

◆ Entering a destination via the Previous Destinations, see page 198

◆ Entering a destination via Intersection input, see page 198

◆ Entering a POI destination via POI name, see page 199

◆ Entering a POI destination via POI category, see page 203

◆ Entering a POI destination via POI phone number, see page 206

◆ Entering a POI destination via a vicinity search, see page 208

◆ Entering a destination via the Address Book, see page 210

◆ Entering an emergency destination, see page 211

◆ Entering a destination via the map, see page 212

Entering a destination via the address

Opening the address input menu

▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

▶ In the selection list, select the item Address.

The address input menu appears.

① Input progress display (in the example currently entered state/province)
② Hit list (empty if no address has been entered)
③ Input field
④ Predictive speller
⑤ Confirm entry
⑥ Delete all characters in the input field
⑦ Menu item for entering the state/ province

Entering destinations

Now you have the following options:

- ◆ Entering a state/province, see section "Entering a state/province" on page 194

- ◆ Entering a street, see section "Entering a street" on page 195.

ℹ Before entering a street, make sure that the correct state/province has been entered before.

- ◆ After entering a street, entering a city, see section "Entering a city" on page 196.

- ◆ After entering a street or city, entering a house number, see section "Entering a house number" on page 197.

Entering a state/province

▶ Open the address input menu, see section "Opening the address input menu" on page 193.

▶ In the address input menu, push ⬇ the controller ◎ and select the menu item State/Prov..

Now you can enter the state/province.
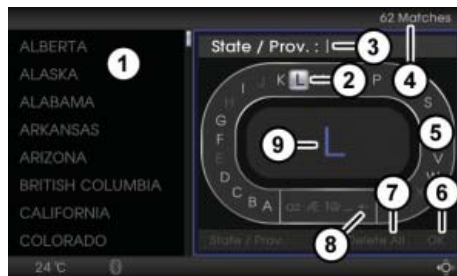
① Hit list
② Currently highlighted character
③ Input field
④ Number of hits in the hit list ①
⑤ Predictive speller
⑥ Confirm entry
⑦ Delete all characters in the input field
⑧ Delete individual characters in the input field
⑨ Enlarged display of the currently highlighted character in the predictive speller

Entering/deleting characters

▶ **To enter a character:** In the predictive speller ⑤, highlight a character and press the controller ◎.

The character is entered and appears in the input field ③.

ℹ Not all of the characters displayed can be highlighted in the predictive speller ⑤. The characters that can be highlighted depend on those already entered.

Before any character is entered, the hit list ① shows all states/provinces. Each time you enter a character, the hit list is narrowed down in accordance with the characters already entered. As soon as the entry is unambiguous, the hit list contains just one entry. Once you reach this stage you cannot enter any further characters, you can only complete the entry.

▶ **To delete individual characters in the input field ③:** Select the menu item ⑧.

The last character entered is deleted.

▶ **To delete all characters in the input field** ③**:** Push ↓ the controller ◎ and select the menu item Delete All.

All characters are deleted.

Completing entry

▶ **Option 1:** Keep entering characters until the menu item OK is automatically highlighted, then press the controller ◎.

The entry of the state/province is complete. You can enter the desired street, see below.

▶ **Option 2:** Push ← the controller ◎.

or

▶ After entering at least one character, push ↓ the controller ◎ and select the menu item OK manually.

In both cases,the hit list is now active.

▶ Select an entry in the hit ① list.

The entry of the state/province is complete. You can enter the desired street.

Entering a street

ℹ Before entering a street, make sure that the correct state/province has been entered, see section "Entering a state/province" on page 194.

▶ Open the address input menu, see section "Opening the address input menu" on page 193.

① Input progress display
② Hit list
③ Input field
④ Currently highlighted character
⑤ Number of hits in the hit list ②
⑥ Predictive speller
⑦ Confirm entry
⑧ Delete all characters in the input field

⑨ Delete individual characters in the input field
⑩ Enlarged display of the currently highlighted character in the predictive speller

Entering/deleting characters

▶ **To enter a character:** In the predictive speller ⑥, highlight a character and press the controller ◎.

The character is entered and appears in the input field ③.

ℹ Not all of the characters displayed can be highlighted in the predictive speller ⑥. The characters that can be highlighted depend on those already entered and the data for the digital map.

Before any character is entered, the hit list ② is empty. Each time you enter a character, the hit list is narrowed down in accordance with the characters already entered.

As soon as the entry is unambiguous, the hit list contains just one entry. Once you reach this stage you cannot enter any further characters, you can only complete entry.

Entering destinations

▶ **To delete individual characters in the input field** ③**:** Select the menu item ⑨.

The last character entered is deleted.

▶ **To delete all characters in the input field** ③**:** Push ↓ the controller ⊚ and select the menu item Delete All.

All characters are deleted.

Completing entry

▶ **Option 1:** Keep entering characters until the menu item OK is automatically highlighted, then press the controller ⊚.

The entry of the street is complete.

If there is only one city matching to the street, you can enter a house number, see section "Entering a house number" on page 197.

If there are several towns/cities matching to the street, you can enter a city, see section "Entering a city" on page 196.

▶ **Option 2:** Push ← the controller ⊚.

or

▶ After entering at least one character, push ↓ the controller ⊚ and select the menu item OK.

In both cases, the hit list ② is now active.

▶ Select an entry in the hit list.

In both cases, entry of the street is complete.

If there is only one city matching to the street, you can enter a house number, see section "Entering a house number" on page 197.

If there are several towns/cities matching to the street, you can enter a city, see section "Entering a city" on page 196.

Entering a city

ℹ Before entering a city, you must enter a street, see section "Entering a street" on page 195.

① Input progress display
② Number of hits in the hit list ③
③ Hit list of towns/cities matching to the already entered street

► **To enter a city:** Proceed as previously when entering a street, see section "Entering a street" on page 195.

If house numbers for the entered street are available, you can enter a house number, see section "Entering a house number" on page 197.

If no house numbers are available for the entered street, entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a house number

ℹ Before entering a house number, you must enter a city, see section "Entering a city" on page 196.

If there are two or more house number ranges available for the entered street, you can select a house number range, see section "Selecting a house number" on page 197.

If there is only one house number range available for the entered street, you can enter the house number, see section "Entering a house number" on page 197.
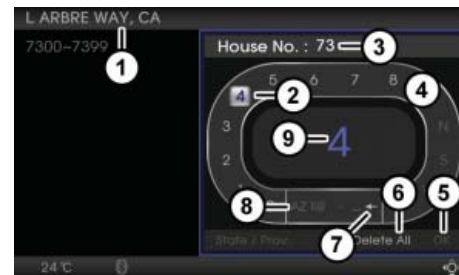
Selecting a house number

① Input progress display
② List of house number ranges

► Select the desired house number range.

Now you can enter a house number.

Entering a house number

① Input progress display
② Currently highlighted character
③ Input field
④ Predictive speller
⑤ Confirm entry
⑥ Delete all characters in the input field
⑦ Delete individual characters in the input field
⑧ Switch character set
⑨ Enlarged display of the currently highlighted character in the predictive speller

Entering destinations

▶ **To enter a character:** In the predictive speller ④, highlight a character and press the controller ◎.

The character is entered and appears in the input field ③.

▶ **To delete individual characters in the input field ③:** Select the menu item ⑦.

The last character entered is deleted.

▶ **To delete all characters in the input field ③:** Push ↓ the controller ◎ and select the menu item Delete All.

All characters are deleted.

▶ **To complete the entry:** Push ↓ the controller ◎ and select the menu item OK.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a destination via the Previous Destinations

▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

▶ In the selection list, select the menu item Previous Destinations.

ℹ The menu item Previous Destinations can only be selected if at least one route guidance to a destination has been started previously.

After selecting the menu item, you will see a list of the recent destinations for which a route guidance session has been started previously. This list contains automatically a maximum of 40 previous destinations and, at the top of the list, the last previous start point.

▶ **To select a destination:** Select a list entry.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a destination via Intersection input

ℹ Before entering a destination via Intersection input, make sure that the correct state/province has been entered, see section "Entering a state/province" on page 194.

▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

▶ In selection list, select the menu item Intersection.

Now you can enter the first street.

▶ **To enter the first street:** Proceed as previously when entering a street, see section "Entering a street" on page 195.

After entering the first street, you can enter the second street.

▶ **To enter the second street:** Proceed as previously when entering a street, see section "Entering a street" on page 195.

If the intersection is unambiguous, entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

If the intersection is ambiguous, you must enter the city.

▶ **To enter the city:** Proceed as previously described in section "Entering a city" on page 196.

After entering the city, entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a POI destination via POI name

Opening the POI name input menu

▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

▶ In the selection list, select the menu item Point of Interest.

The POI main menu appears.
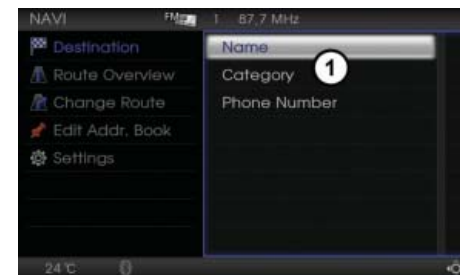
① POI main menu

▶ In the POI main menu, select the menu item Name.

The POI name input menu appears.

Entering destinations

① Input progress display (in the example currently entered state/province)
② Hit list (empty if no name has been entered)
③ Input field
④ Predictive speller
⑤ Menu item for setting a category/city filter
⑥ Delete all characters in the input field
⑦ Menu item for entering the state/ province

ℹ️ Before entering a POI name, make sure that the correct state/province has been entered, see section below.

Entering a state/province

▶ In the POI name input menu, Push ↓ the controller ◎, select the menu item State/Prov. and proceed as previously described in the section "Entering a state/province" on page 194.

After entering the state/province, the POI name input menu appears again. Now you can enter a POI name.

Entering a POI name
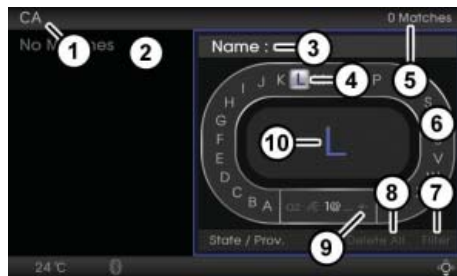
① Input progress display (in the example currently entered state/province)
② Hit list (empty if no name has been entered)
③ Input field
④ Currently highlighted character
⑤ Number of hits in the hit list ②
⑥ Predictive speller

⑦ Menu item for setting a category/city filter
⑧ Delete all characters in the input field
⑨ Delete individual characters in the input field
⑩ Enlarged display of the currently highlighted character in the predictive speller

▶ **To enter a character:** In the predictive speller ⑥, highlight a character and press the controller ◎.

The character is entered and appears in the input field ③.

ℹ️ Not all of the characters displayed can be highlighted in the predictive speller ⑥. The characters that can be highlighted depend on those already entered and the data for the digital map.

Before any character is entered, the hit list ② is empty. Each time you enter a character, the hit list is narrowed down in accordance with the characters already entered.

As soon as the entry is unambiguous, the hit list contains just one entry. Once you reach this stage you cannot enter any further characters, you can only complete entry.

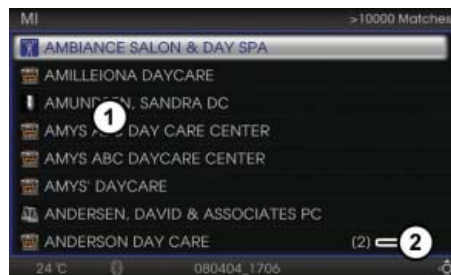▶ **To delete individual characters in the input field** ③**:** Select the menu item ⑨.

The last character entered is deleted.

▶ **To delete all characters in the input field** ③**:** Push ⬇ the controller ◎ and select the menu item Delete All.

All characters are deleted.

▶ **To complete the entry:** Push ⬅ the controller ◎.

You will see the POI list.

① POI list
② POI with sub entries (number of sub entries)

▶ Select an entry in the POI list.

If you have selected a POI with sub entries, you can select a sub entry.

After selecting an entry without sub entries or after selecting a sub entry, entry of the POI destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Category/city filter

After entering at least one character of the POI name, you can set a category/city filter to narrow down the available POIs.

▶ In the name input menu, push ⬇ the controller ◎ and select the menu item Filter.

You will see the filter main menu.

① Input progress display
② Hit list
③ Currently filter status
④ Number of hits in the hit list ②

Entering destinations

▶ **To set the category or the city filter:** Select the menu item Category or City.

The menu for entering a category or a city appears.

Ilustration shows the menu for entering a category as an example

① Hit list
② Menu item OK

▶ **To enter and delete characters:** Proceed as previously when entering a POI name, see section "Entering a POI name" on page 200.

▶ **Option 1 to complete the entry:** Keep entering characters until the hit ① list contains just one entry.

The menu item OK is automatically highlighted.

▶ Press the controller ◎.

The filter main menu appears again. You can open the POI list now, see below.

▶ **Option 2 to complete the entry:** Push ◀ the controller ◎.

or

▶ After entering at least one character, push ▼ the controller ◎ and select the menu item OK.

In both cases, the hit list ① is active now.

▶ Select an entry in the hit list ①.

The filter main menu appears again. You can open the POI list.

▶ **To open the POI list:** In the filter main menu, push ◀ the controller ◎.

The POI list appears.

① POI list
② POI with sub entries (number of sub entries)

▶ Select an entry in the POI list.

If you have selected a POI with sub entries, you can select a sub entry.

After selecting an entry without sub entries or after selecting a sub entry, entry of the POI destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a POI destination via POI category

Opening the POI category main menu
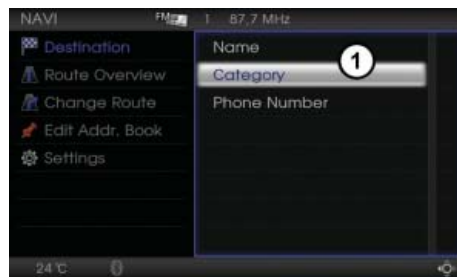
▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

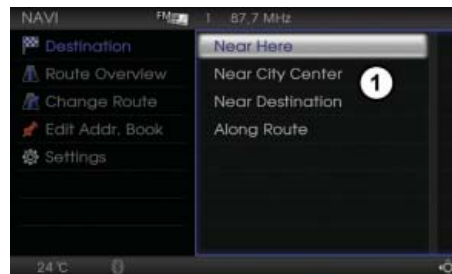▶ In the selection list, select the menu item Point of Interest.

The POI main menu appears.

① POI main menu

▶ In the POI main menu, select the menu item Category.

The POI category main menu appears.

① POI category main menu

The following options are available:

◆ Selecting a category with POIs near to a particular city center, see section "POIs near to a particular city center" on page 204.

◆ Selecting a category with POIs along the route or near to a destination already entered or near to the current position, see below.

POIs along the route or near to a destination already entered or near to the current position

▶ Open the POI category main menu, see section "Opening the POI category main menu" on page 203.

▶ In the POI category main menu, select the menu item Along Route or Near Destination or Near Here.

The category input menu appears. You can enter a category name.

① Hit list
② Menu item OK

203

Entering destinations

▶ **To enter and delete characters:**
Proceed as previously when entering a POI name, see section "Entering a POI name" on page 200.

▶ **Option 1 to complete the entry:** Keep entering characters until the hit ① list contains just one entry.

The menu item OK is automatically highlighted.

▶ Press the controller ◎.

The POI list appears, see illustration below.

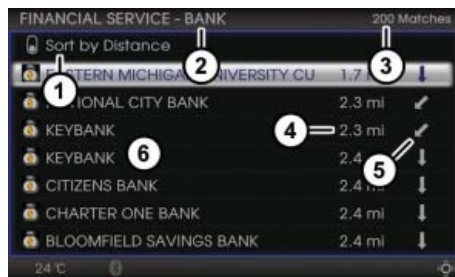▶ **Option 2 to complete the entry:**
Push ← the controller ◎.

or

▶ After entering at least one character, push ↓ the controller ◎ and select the menu item OK.

In both cases, the hit list ① is active now.
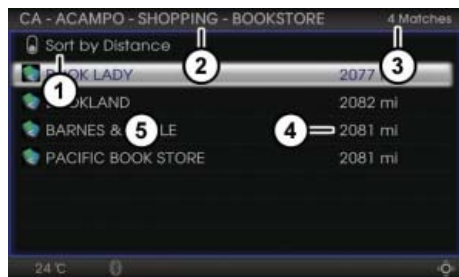
▶ Select an entry in the hit list ①.

The POI list appears.

① Sorting menu item
② Input progress display
③ Number of hits in the POI list ⑥
④ Distance to the POI
⑤ Direction to the POI
⑥ POI list

▶ **To sort the POI list:** Select the menu item Sort Alphabetically or Sort by Distance.

The POI list is resorted. The sorting status is identified by the icon to the left of the menu item.

◆ Icon 🯄 = list is sorted alphabetical

◆ Icon 🔒 = list is sorted by distance

ℹ️ The menu item cannot be selected if the list contains fewer than three entries.

▶ **To select a POI:** Select a list entry.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

POIs near to a particular city center

▶ Open the POI category main menu, see section "Opening the POI category main menu" on page 203.

▶ In the POI category main menu, select the menu item Near City Center.

The city input menu appears. You can enter a city.

① Hit list
② Menu item State/Prov.
③ Menu item OK

i Before entering a city, make sure that the correct state/province has been entered.

Entering a state/province

▶ Select the menu item State/Prov. and proceed as previously described, see section "Entering a state/province" on page 194.

### *Entering a city*

▶ **To enter and delete characters:**
Proceed as previously when entering a POI name, see section "Entering a POI name" on page 200.

▶ **Option 1 to complete entering a city:**
Keep entering characters until the hit ① list contains just one entry.

The menu item OK is automatically highlighted.

▶ Press the controller ◎.

Now you can enter a POI category, see the corresponding section below.

▶ **Option 2 to complete entering a city:**
Push ← the controller ◎.

or

▶ After entering at least one character, push ↓ the controller ◎ and select the menu item OK.

In both cases, the hit list ① is active now.

▶ Select an entry in the hit list ①.

Now you can enter a POI category.

Entering a POI category

① Hit list
② Menu item OK

▶ **To enter and delete characters:**
Proceed as previously when entering a POI name, see section "Entering a POI name" on page 200.

▶ **Option 1 to complete the entry:** Keep entering characters until the hit ① list contains just one entry.

The menu item OK is automatically highlighted.

▶ Press the controller ◎.

The POI list appears, see illustration below.

▶ **Option 2 to complete the entry:**
Push ← the controller ◎.

or

▶ After entering at least one character, push ↓ the controller ◎ and select the menu item OK.

In both cases, the hit list ① is active now.

▶ Select an entry in the hit list ①.

The POI list appears.

205

Entering destinations

① Sorting menu item
② Input progress display
③ Number of hits in the POI list ⑤
④ Distance to the POI
⑤ POI list

▶ **To sort the POI list:** Select the menu item Sort Alphabetically or Sort by Distance.

The POI list is resorted. The sorting status is identified by the icon to the left of the menu item.

- ◆ Icon 🖥 = list is sorted alphabetical
- ◆ Icon 🔎 = list is sorted by distance

ℹ The menu item cannot be selected if the list contains fewer than three entries.

▶ **To select a POI:** Select a list entry.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a POI destination via POI phone number

▶ Open the POI category main menu, see section "Opening the POI category main menu" on page 203.

▶ In the POI category main menu, select the menu item Phone Number.

The phone number input menu appears.

① Input field
② Predictive speller
③ Enlarged display of the currently highlighted character in the predictive speller
④ Confirm entry
⑤ Delete all characters in the input field
⑥ Delete individual characters in the input field
⑦ Menu item for entering the state/ province
⑧ Currently highlighted character
⑨ Input progress display (in the example currently entered state/province)

ℹ Before entering a phone number, make sure that the correct state/province has been entered.

206

Entering a state/province

▶ Push ↓ the controller ◎, select the menu item State/Prov. and proceed as previously described, see section "Entering a state/province" on page 194.

Entering a phone number

▶ **To enter and delete characters:** Proceed as previously when entering a house number, see section "Entering a house number" on page 197.

▶ **To complete the entry:** Push ↓ the controller ◎, select the menu item OK.

If the phone number is unambiguous, entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

If the phone number is ambiguous, a POI list appears.

The followiong screenshot is an example, taken from the Navi HMI flowchart.
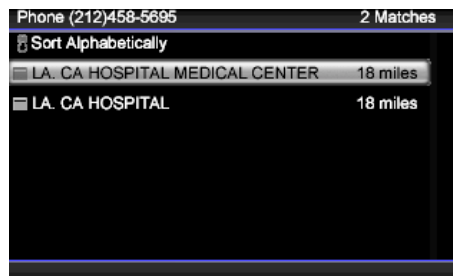
① POI list
② Distances to the POIs

Below is the provided screenshot. It doesn't contain the "Sort" menu item as shown in the example above. A new screenshot with the "Sort" menu item is needed.
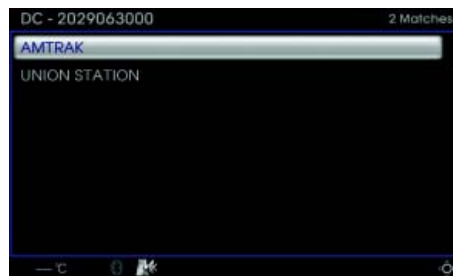
▶ **To sort the POI list:** Select the menu item Sort Alphabetically or Sort by Distance.

The POI list is resorted. The sorting status is identified by the icon to the left of the menu item.

- ◆ Icon 🔲 = list is sorted alphabetical
- ◆ Icon 🔲 = list is sorted by distance

ℹ️ The menu item cannot be selected if the list contains fewer than three entries.

▶ **To select a POI:** Select a list entry.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering destinations

Entering a POI destination via a vicinity search

i POIs (points of interest) include gas stations, restaurants and banks, for example.

If the map is in position mode, you can search for POIs in the vicinity of the vehicle; if the map is in scroll mode, you can search for POIs in the vicinity of the crosshairs. For information on position and scroll mode, refer to the section "Position/scroll mode within the map display" on page 187.

Entry of a POI destination via a vicinity search is divided into the following steps:

1. Activating/deactivating POI categories
2. Selecting a POI in the POI list or Selecting a POI in the map

Opening the Options menu

▶ In the map screen, press the controller ◎.

The Options menu appears.

Opening the POI menu

▶ In the Options menu, select the menu item Display POI Icons.

The POI menu appears; you can now activate or deactivate POI categories or subcategories. Activating one or more categories or subcategories restricts the POI search to these categories or subcategories.

▶ **To close the menus:** Press the BACK button repeatedly until all of the menus are closed.
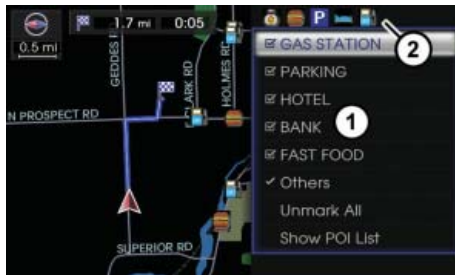
① POI menu
② Icons of POI categories already activated

Activating/deactivating POI categories

i You can activate a maximum of five categories.

▶ In the POI menu ②, select categories from the five topmost menu items.

The corresponding categories will be activated or deactivated, depending on the previous status. The status display to the left of the menu item changes accordingly.

◆ Display □ = category deactivated
◆ Display ☑ = category activated

The icon for the activated category appears simultaneously in the display ①.

▶ **To deactivate all categories or subcategories:** In the POI menu, select the menu item Unmark All.

All categories or subcategories are deactivated.

After activating at least one category, you can select a POI in the map or in a list, see descriptions below.

Menu item "Others"

ℹ️ Selecting the menu item Others leads to a selection of further categories or subcategories.

▶ In the POI menu ②, select the menu item Others.

A category list appears.

▶ Select a category.

A subcategory list appears.

▶ Select a subcategory.

▶ **To close the subcategory and category lists:** Press the BACK button repeatedly until the POI menu appears again.

After selecting at least one category or subcategory, you can select a POI in the map or in a list, see descriptions below.

Selecting a POI in the map

▶ **To close the menus:** Press the BACK button repeatedly until all of the menus are closed.

The map display appears. The available POIs in accordance with the activated categories/subcategories are shown as icons.

▶ **To select a POI:** Keep moving the map until the desired POI is in the crosshairs. To do so, proceed as described in the section "Moving the map/setting the map scale" on page 190.

▶ **To confirm selection:** Press the controller ◎.

If the selection is invalid, you will see an appropriate message.

▶ **To close the message:** Press the controller ◎.

You can select a POI in the map again.

If the selection is valid, entry of the destination is complete. Further options are now available, see the section "Options after entering the destination" on page 214.

**Selecting a POI in the POI list**

▶ **To call up the POI list:** In the POI menu, select the menu item Show POI List.

A list with POIs corresponding to the previously selected categories or subcategories appears.

The illustration shows an example display with route filtering deactivated

① Activate/deactivate route filtering
② Distance of the POI from the vehicle position
③ Direction to the POI
④ POI list

Entering destinations
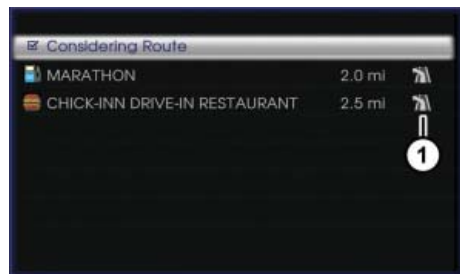
The illustration shows an example display with route filtering activated

① Direction in which you must leave the route to get to the POI

When route filtering is activated, the list will show only POIs along the route.
When route filtering is deactivated, the list will show additionally POIs not along the route.

ℹ️ You can only activate route filtering when route guidance is active.

▶ **To activate/deactivate route filtering:** In the POI list, select the menu item Along Route.

Route filtering will be activated or deactivated, depending on the previous status. The status display to the left of the menu item changes accordingly.

◆ Display ☐ = function deactivated

◆ Display ☑ = function activated

▶ **To select a POI:** Select a POI in the list.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering a destination via the Address Book

Calling up the Address Book

▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

▶ Select the menu item Address Book.

The Address Book appears.
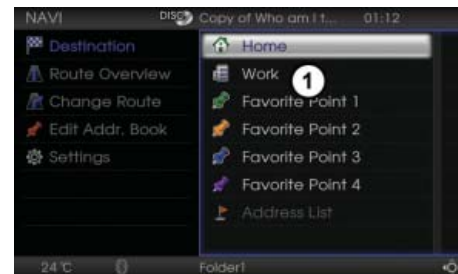
① Address book

Selecting the destination in the Address Book

Option 1

▶ Select one of the following destination Address Book categories:

◆ Home

◆ Work

◆ Favorite Point 1

◆ Favorite Point 2

◆ Favorite Point 3

◆ Favorite Point 4

ℹ️ If a category does not yet contain a destination, then that respective category cannot be selected. Refer to the section "Saving/deleting destinations in the Address Book" on page 232 to find out how to store destinations.

After you select a category, entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Option 2

▶ Select the Address Book category Address List.

After you select the category, you will see a list of the destinations you have stored. This list contains a maximum of 200 entries.

ℹ️ Refer to the section "Saving/deleting destinations in the Address Book" on page 232 to find out how to store destinations.

▶ **To sort the list by date of storage or alphabetical:** Select the menu item Sort by Date or Sort Alphabetically.

The list is resorted. The sorting status is identified by the icon to the left of the menu item.

- ◆ Icon 🔋 = list is sorted by date of storage
- ◆ Icon 🔋 = list is sorted alphabetical

ℹ️ The menu item cannot be selected if the list contains fewer than three entries.

▶ **To select a destination:** Select a list entry.

Entry of the destination is complete and you see the corresponding destination on the map. Further options are now available, see the section "Options after entering the destination" on page 214.

Entering an emergency destination

ℹ️ Emergency destinations are Hospitals or Police stations, for example.

▶ Open the Navigation main menu, see section "Opening the Navigation main menu" on page 192.

▶ In the Navigation main menu, select the menu item Destination.

A selection list appears.

▶ Select the menu item Emergency.

The Emergency category list appears.
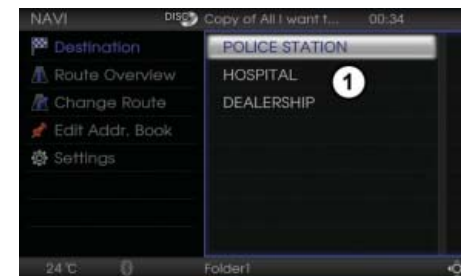
① Emergency category list

Entering destinations

▶ Select the desired category, e.g.
POLICE STATION.

A POI list appears.

① Sorting menu item
② Input progress display
③ Number of hits in the POI list ⑥
④ Distance to the POI
⑤ Direction to the POI
⑥ POI list

▶ **To sort the POI list:** Select the menu
item Sort Alphabetically or Sort by
Distance.

The POI list is resorted. The sorting
status is identified by the icon to the left
of the menu item.

◆ Icon 🔾 = list is sorted alphabetical

◆ Icon 🔾 = list is sorted by distance

ℹ The menu item cannot be selected if the list
contains fewer than three entries.

▶ **To select a POI:** Select a list entry.

Entry of the destination is complete and
you see the corresponding destination
on the map. Further options are now
available, see the section "Options after
entering the destination" on page 214.

Entering a destination via the map

Calling up the map

Option 1

▶ Briefly press the MAP GUIDE button.

The map appears.

Option 2

▶ Press and hold the BACK button.

The Navigation main menu appears.

▶ In the Navigation main menu, select the
menu item Destination.

A selection list appears.

▶ In the selection list, select the item
Map.

The map appears.

Selecting the destination in the map

▶ Keep moving the map until the desired
destination is in the crosshairs. To do
so, proceed as described in the section
"Moving the map/setting the map scale"
on page 190.

▶ **To confirm selection:** Press the
controller ◎.

If the selection is not a valid destination,
you will see an appropriate message.

▶ **To close the message:** Press the
controller ◎.

You can select another destination
in the map.

If the selection is a valid destination and
it is either on a highway, on a motor
way, on a bridge or in a tunnel, you will
be prompted to confirm that you wish to
accept the destination.

▶ To confirm the destination: Select Yes.

Entry of the destination is complete. Further options are now available, see the section "Options after entering the destination" on page 214.

▶ To reject the destination: Select No.

You can select another destination in the map.

If the selection is a valid destination and it is not on a highway, on a main road, on a bridge or in a tunnel, entry of the destination is complete.
Further options are now available, see the section "Options after entering the destination" on page 214.

Functions after entering the destination

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Options after entering the destination

After you have entered the destination, you will see the destination on the map and, on the right-hand side of the display, the Options menu with information about the destination.

Example screenshot, it comes from the Korean manual.

① Current time

② Information about the destination

ℹ️ The information about the destination ② will not be available if you entered the destination via the map.

③ Options menu

④ Destination

⑤ Distance and direction to the destination

⑥ **Estimated time of arrival**

Below is the provided US screenshot. It doesn't contain information marked with numbers ①, ⑤, and ⑥ as seen in the example screenshot on the left. Doesn't the US system show this information?

The functions available in the Options menu ③ will vary depending on the following factors:

◆ Whether the destination was entered via the map

◆ Whether route guidance to a destination is already active

ℹ️ The illustration above shows the Options menu when route guidance is already active and the new destination was not entered via the map.

Functions possibly available in the Options menu:

◆ Conforming the destination, see page 215

◆ Adding the destination to an existing route as a waypoint (only available if route guidance is already active), see page 215

◆ Add the destination to the Address Book , see page 215

◆ Initiating a call to a POI, see page 216

ℹ️ POIs (points of interest) include gas stations, restaurants and banks, for example.

◆ Adjusting the destination position (only available if the destination was not entered via the map), see page 216

Conforming the destination

▶ In the Options menu, select the menu item Set Destination or Replace Destination.

ℹ The menu item Set Destination is only available if route guidance is not yet active. The menu item Replace Destination is only available if a route to a destination has already been calculated.

Selecting either of these two menu items confirms the destination. If the menu item Replace Destination is selected, the previous destination and all waypoints are first discarded.

After the destination is confirmed, the system starts to calculate the route, see the section "Route calculation" on page 216.

Adding the destination to an existing route as a waypoint

ℹ You can add a maximum of three waypoints to the route.

▶ In the Options menu, select the menu item Add Waypoint.

ℹ The menu item Add Waypoint is not available if route guidance is not yet active or if four waypoints already exist.

The system adds the previously entered destination as a waypoint.

ℹ A new waypoint is always added as the second last destination; the last destination is always the main destination. Any existing waypoints are moved accordingly when a new waypoint is added.

If the vehicle is moving, the system calculates a new route, see the section "Route calculation" on page 216.

If the vehicle is not moving, the destination list appears. You can now change the position of the waypoint in the destination list.

▶ **To change the position of the waypoint:** Turn ❨ ❩ the controller ◎ until the desired position is reached.

▶ **To confirm the position:** Press the controller ◎.

The system calculates a new route, see the section "Route calculation" on page 216.

Add the destination to the Address Book

▶ In the Options menu, select the menu item Add to Address Book.

ℹ The menu item Add to Address Book cannot be selected if there are already 200 destinations saved in the category Address List of the address book.

The crosshairs center will be saved as destination in the category Address List of the address book. When saving, the system sets the standard icon 📍 in the map at the destination position; this icon remains visible in the map even after the save operation.

Functions after entering the destination

The system automatically uses the address as the destination name when saving. You can edit the name and assign a different icon later, see the section "Editing an entry" on page 239.

Initiating a call to a POI

i POIs (points of interest) include gas stations, restaurants and banks, for example. This function is only available if the following conditions are met:

- ◆ The entered destination is a POI.
- ◆ The digital map contains the phone number of the POI.
- ◆ There is a mobile phone connected with the system.

▶ In the Options menu, select the menu item Dial Number.

The system initiates the call.

Adjusting the destination position

▶ In the Options menu, select the menu item Adjust Position.

The Options menu is closed.

▶ Keep moving the map until the destination position is in the crosshairs center. To do so, proceed as described in the section "Moving the map/setting the map scale" on page 190.

▶ **To confirm the position:** Press the controller ◎.

If the position is invalid, you will see an appropriate message.

  ▶ **To close the message:** Press the controller ◎.

  You can adapt the destination position again.

If the position is valid, the Options menu reappears and all previously described options are once more available.

Route calculation

After the destination entry has been confirmed, route calculation starts.

During route calculation, the message Route Calculation in Progress Please wait. appears.

If the destination is too close to the current vehicle position, the message Destination ist too close to the current location. Please use the map for guidance. appears.

After the route has been calculated, you will see the entire route including start/destination and any waypoints in the map. To the right of the map you will see route information and the Options menu.

Functions after entering the destination

Options menu

Example screenshot, it comes from the Korean manual.

1. Current time
2. Distance to the destination and time remaining
3. Route information
4. Options menu
5. Destination (Icon 🏁)
6. Waypoints (Icons 🚩)
7. Distance and direction to the destination
8. **Estimated time of arrival**
9. Current vehicle position
10. Route

Below is the provided US screenshot, it doesn't contain information marked with the numbers ①, ⑦ and ⑧ in the example screenshot on the left. Doesn't the US system show this information?

The following functions are available in the Options menu ④:

- Starting route guidance, see page 217
- Alternative routes, see page 217
- Route information, see page 218
- Simulation, see page 219
- Adding and changing waypoints, see page 219

Starting route guidance

ℹ️ Route guidance is automatically started after a certain time without operation.

▶ In the Options menu, select the menu item Start Route Guidance.

The system starts route guidance, see the section "Route guidance" on page 220.

Alternative routes

In addition to already calculated routes, the system can calculate up to four alternative routes. This function is only available if all the following conditions are met:

- The vehicle is stationary.
- The route does not contain any waypoints.
- Route guidance has not yet been started.

Functions after entering the destination

Calculating alternative routes

▶ In the Options menu, select the menu item Other Routes.

The system calculates the alternative routes.

After the routes have been calculated, you will see all calculated routes on the map and, on the right-hand side, route information as well as the route menu.

① Current vehicle position
② Route information
③ Route menu
④ Destination (Icon 🏁)

The various routes are indicated with differently colored symbols in the route menu ③. The routes displayed on the map are also colored accordingly.

Information about a route

▶ Highlight a route in the route menu ③.

You will see information about the highlighted route in the display ②.

Comparing routes

▶ In the Route menu, select the menu item Route Comparison.

The route comparison list appears. It contains the following reference information for each route:

◆ Journey time
◆ Journey distance

▶ **To close the list:** Briefly press the BACK button.

Selecting a route and starting route guidance

▶ Select a route in the Route menu or in the route comparison list.

The Options menu appears again.

▶ In the Options menu, select the menu item Start Route Guidance.

The system starts route guidance, see the section "Route guidance" on page 220.

Route information

ℹ️ This function is only available when the vehicle is stationary.

▶ In the Options menu, select the menu item Turn by Turn.

A list containing the following information about the route appears.

◆ Current vehicle position 📍 and the destination 🏁, including the journey time to the destination.

◆ If waypoints have been entered, the waypoints 🚩, including the journey times to the destinations.

◆ Roads to be traveling, including the length of the route to be travelled.

ℹ️ The route section list is not refreshed while it is on-screen.

Scrolling through the list

▶ **To scroll line by line:** Turn 〔 〕 the controller ◎.

▶ **To scroll page by page:** Push ⬆ ⬇ the controller ◎.

Closing the list

▶ Briefly press the BACK button.

Simulation

ℹ️ This function is only available when the vehicle is stationary. It simulates the journey to the entered destination.

▶ In the Options menu, select the menu item Simulate Route.

The system simulates the journey to the entered destination.

▶ **To cancel the simulation:** Briefly press the BACK button.

Adding and changing waypoints

ℹ️ This function is only available if the vehicle is stationary and if at least one destination has already been entered. You can use it to add up to four waypoints to the route, to change the order of the waypoints, to show destinations in the map and to delete destinations.

▶ In the Options menu, select the menu item Change Route.

The Waypoint menu appears.

▶ Continue as described in the section "Waypoints" on page 224.

219

Navigation

Route guidance

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Safety instructions

> ⚠️ **WARNING**
>
> During route guidance, the following factors may increase the accident hazard:
>
> ◆ Distraction from the traffic situation.
> ◆ Failure to observe traffic signs, traffic regulations and road safety facilities.
> ◆ Inappropriate audible driving recommendations or route guidance displays as a result of the reality not matching the data on the digital map, for example due to road works or modified road routing.
>
> Always observe traffic signs, traffic regulations and road safety facilities. They always have priority over the audible driving recommendations or route guidance displays by the system.

General information

Route guidance starts after the route has been calculated and the appropriate menu item has been selected.

During route guidance, the system guides you to the destination by means of audible driving recommendations and route guidance displays.

If you leave the recommended route, the system automatically calculates a new route to your destination.

Audible driving recommendations

In the section "Audible driving recommendations" from page 190, you will find information on the following:

◆ Setting the volume of the audible driving recommendations
◆ Activating/deactivating audible driving recommendations
◆ Calling up a current audible driving recommendation

Route guidance displays

The route guidance displays are only visible if the display is switched to map display and if the map display is in position mode and not scroll mode.

i For information on position mode, refer to the section "Position/scroll mode within the map display" on page 187.

▶ **To switch the display to map display or the map display to position mode:** Press the [MAP GUIDE] button.

The display switches and the system simultaneously outputs a current audible driving recommendation.

Sample displays

A number of sample displays are shown on the next page.

220

Example screenshot, it comes from the Korean manual.

① Current time
② **Estimated time of arrival** at main destination
③ Distance/direction indicator
④ Vehicle position
⑤ Route
⑥ Waypoints (Icon 🚩)
⑦ Main destination

ℹ️ You can switch the distance/direction indicator ③ between displaying the data for the waypoint or for the main destination, see the section "Switching the distance/direction display" on page 223.

Below is the provided US screenshot, it doesn't contain information marked with the numbers ①, ② and ③ in the example screenshot on the left. New US screenshot with this information is needed.

Junction zoom

When a driving manoeuvre is imminent, the map display is automatically split. The left-hand side of the display shows the current map view, while the right-hand side shows the junction zoom. The split is automatically cancelled once the driving manoeuvre is completed.

Hier gehts weiter

Correct screenshot needed, this one is only an example.

① Vehicle position
② Point at which the next driving manoeuvre takes place
③ Distance indicator to the next driving manoeuvre
④ Right-hand side of the display with junction zoom

Navigation

Functions during route guidance

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Suspending route guidance

▶ **To call up the map display in position mode:** Briefly press the ![MAP GUIDE] button.

The map display appears.

▶ **To open the Options menu:** Press the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Suspend Guidance.

Route guidance is suspended; you will see an appropriate display that disappears after a short time.

Resuming route guidance

i You can resume route guidance after suspension without having to re-enter the destination.

▶ **To call up the map display in position mode:** Briefly press the ![MAP GUIDE] button.

The map display appears.

▶ **To open the Options menu:** Press the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Resume Guidance.

You will see an appropriate display that automatically disappears after a short time. The system then resumes route guidance.

Displaying the calculated route again

i During route guidance, you can display the complete calculated route again.

▶ **To display the route again:** Briefly press or press and hold the ![BACK] button.

The Navigation main menu appears.

▶ In the Navigation main menu, select the menu item Route Overview.

You will once more see the map display with the calculated route and the Options menu.

The following functions are now available in the Options menu:

◆ To resume route guidance:
▶ Select the menu item Goto Map Screen.

◆ To display route information (only when the vehicle is stationary):
▶ Select the menu item Turn by Turn.
Please see the section "Route information" on page 218 for the rest of the description of this function.

◆ To add and change waypoints (only when the vehicle is stationary):
▶ Select the menu item Change Route.
The Waypoint menu appears.
Please see the section "Waypoints" on page 224 for the rest of the description of this function.

Changing the route

i You can use this function to switch route guidance to one of the four possible alternative routes. The alternative routes must have been calculated in advance, see the section "Alternative routes" on page 217.

Calling up the Route menu

▶ **To call up the map display in position mode:** Briefly press the 🔳 MAP GUIDE button.

The map display appears.

▶ **To open the Options menu:** Press the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Reroute/Detour options.

The Route menu appears, the current active route is marked with the icon ◉. Now you can select another route or block a route section.

Selecting another route

▶ Select one of the following menu items:
- ◆ Shorter Time
- ◆ Shortest Distance
- ◆ Minimize Freeway
- ◆ Minimize Toll Road

The system calculates a new route.

Blocking a route section

i You can use this function to block a specific stretch of the route section still to be travelled for the route guidance. The system then calculates a detour route if possible.

▶ Select one of the following menu items:
- ◆ Detour 1 mi/km
- ◆ Detour 2 mi/km
- ◆ Detour 5 mi/km
- ◆ Detour 10 mi/km

Depending on the menu item selected, the relevant stretch in the route section still be to travelled will be blocked and the system will start to calculate the route.

Switching the distance/direction display

i If the map display is in position mode, the system can either show the distance/direction to the main destination or the distance/direction to the next waypoint. You can use this function to switch the display.

Correct screenshot needed, this one is only an example.

① Distance/direction indicator
Icon 🏁 = main destination
Icon 🚩 = waypoint

▶ **To call up the map display in position mode:** Briefly press the 🔳 MAP GUIDE button.

The map display appears.

Functions during route guidance

▶ **To open the Options menu:** Press the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Distance to.

The display is switched.

Waypoints

The following waypoint functions are available:

◆ Opening/closing the waypoint menu, see page 224

◆ Adding waypoints, see page 224

◆ Changing the order of the destinations, see page 226

◆ Showing destinations in the map, see page 226

◆ Deleting a waypoint or the main destination, see page 227

◆ Deleting all waypoints and the main destination, see page 227

Opening/closing the waypoint menu

▶ Press and hold the BACK button.

The Navigation main menu appears.

▶ **To open the waypoint menu:** In the Navigation main menu, select the menu item Change Route.

The Waypoint menu appears.

Correct screenshot needed, this one is only an example.

① Main destination (Icon ▥)
② Waypoints (Icons ▥)
③ Current position

▶ **To close the Waypoint menu:** Select the menu item Done.

You will see the calculated route and the Options menu.

Further functions are available in the Options menu, for example start route guidance. Please see the section "Options menu" on page 217 for a description of the Options menu.

Adding waypoints

ℹ You can add up to three waypoints to the route.

▶ In the Waypoint menu, select the menu item Add Waypoint.

A selection list appears. You now have several options for adding a waypoint, see the descriptions below.

You have further operation options after you have added waypoints, see the section "After waypoints have been added" on page 226

Functions during route guidance

Entering a waypoint via the address

▶ Select the list item Address.

▶ Enter the address. Please see from the section "Entering a destination via the address" on page 193 onwards for the rest of the description of this function.

Entering a waypoint via the Previous Destinations

▶ Select the list item Previous Destinations.

▶ Select a destination. Please see from the section "Entering a destination via the Previous Destinations" on page 198 onwards for the rest of this function.

Entering a waypoint via Intersection input

▶ Select the list item Intersection.

▶ Enter the streets. Please see from the section "Entering a destination via Intersection input" on page 198 onwards for the rest of this function.

Entering a POI as a waypoint

▶ Select the list item Point of Interest.

The POI main menu appears.

▶ In the POI main menu, select the menu item Name and enter a POI destination. Please see from the section "Entering a POI destination via POI name" on page 199 onwards for the rest of this function.

or

▶ In the POI main menu, select the menu item Category and enter a POI destination. Please see from the section "Entering a POI destination via POI category" on page 203 onwards for the rest of this function.

or

▶ In the POI main menu, select the menu item Phone Number and enter a POI destination. Please see from the section "Entering a POI destination via POI phone number" on page 206 onwards for the rest of this function.

Entering a waypoint via the Address Book

▶ Select the list item Address Book.

▶ Select a destination. Please see from the section "Entering a destination via the Address Book" on page 210 onwards for the rest of this function.

Entering an emergency destination as a waypoint

▶ Select the list item Emergency.

▶ Select a emergency category. Please see from the section "Entering an emergency destination" on page 211 onwards for the rest of this function.

Entering a waypoint via the map

▶ Select the list item Map.

▶ Select a destination in the map. Please see from the section "Entering a destination via the map" on page 212 onwards for the rest of this function.

Functions during route guidance

After waypoints have been added

If the vehicle is moving, the new route is immediately calculated after a waypoint is added. The new waypoint was added as the second last destination. The main destination remains the last destination, any existing waypoints are moved accordingly.

If the vehicle is stationary, the Waypoint menu appears after a waypoint is added. The new waypoint was added as the second last destination. The main destination remains the last destination, any existing waypoints are moved accordingly.

▶ To change the position of the added waypoint: Turn 〔 〕 the controller ◎ until the destination is at the desired position.

▶ Press the controller ◎.

   This confirms the position.

The following functions are now available:

◆ Changing the order of the destinations, see page 226

◆ Showing destinations in the map, see page 226

◆ Deleting a waypoint or the main destination, see page 227

◆ Deleting all waypoints and the main destination, see page 227

Changing the order of the destinations

▶ Highlight a destination in the Waypoint menu.

▶ Push ➡ the controller ◎.

   The Options menu appears.

▶ In the Options menu, select the menu item Change Order.

▶ Turn 〔 〕 the controller ◎ until the destination is at the desired position.

▶ Press the controller ◎.

   This confirms the new position.

Showing destinations in the map

▶ Highlight a destination in the Waypoint menu.

▶ Push ➡ the controller ◎.

   The Options menu appears.

▶ In the Options menu, select the menu item Show on Map.

   The map display appears. It shows the selected destination.

▶ **To change the map scale:** Turn 〔 〕 the controller ◎ until the desired scale is reached.

▶ **To return to the Waypoint menu:** Briefly press the BACK button.

ℹ The display automatically switches back to the Waypoint menu after a certain time without operation.

Deleting a waypoint or the main destination

▶ Highlight a waypoint or the main destination in the Waypoint menu.

▶ Push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Delete.

You will be prompted to confirm that you wish to delete the relevant destination.

▶ Select Yes or No.

The destination will be deleted or retained, depending on the answer selected.

ⓘ The Navigation main menu automatically appears if there are no more destinations.

Deleting all waypoints and the main destination

▶ Highlight a waypoint in the Waypoint menu.

▶ Push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Delete All.

You will be prompted to confirm that you wish to delete all waypoints.

▶ Select Yes or No.

All waypoints and the main destination will be deleted or retained, depending on the answer selected. The Navigation main menu automatically appears after the deletion.

Functions independent of route guidance

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Freeway information

ℹ️ As soon as you start driving on a freeway, the system will automatically show you freeway information provided the function "Show Freeway Mode" is activated and no driving manoeuvre is imminent.
Please refer to the section "Map display settings" on page 243 to find out how to activate or deactivate the function.

The freeway mode shows you the following:

◆ The next three stations on the freeway as icons, e.g. rest areas or exits,

◆ the distance to the stations,

◆ the available services at the stations,

◆ the freeway currently being driven on and

◆ turns as icons.

In the sample illustration below, the first station is a rest area.

Correct screenshot needed, the following picture is only an example (taken from the styleguide) / Please produce a screenshot that matches to the description under the following example picture.

① Icons for the next three stations
② Distance to a station
③ Freeway currently being driven on
④ Icons showing the available services at the station
⑤ Direction to turn to continue following the route (only visible if a route guidance is active)

Turn List

ℹ️ As soon as you start driving on a normal road, the system will automatically show you a turn list, provided the function "Show Turn-by-Turn Mode" is activated and no driving manoeuvre is imminent.
If this function is activated, but the function "Show Freeway Mode" is deactivated, the system will show the turn list also when driving on freeways
Please refer to the section "Map display settings" on page 243 to find out how to activate or deactivate the function.

The turn list shows you the following:

◆ The next three turns,

◆ the kind of the turns as icons,

◆ the distance to the turns,

◆ exits as icons and

◆ the road currently being driven on

Correct screenshot needed, the following is only an example (taken from the styleguide) / Please produce a screenshot that matches to the description under the following example picture.

Functions independent of route guidance
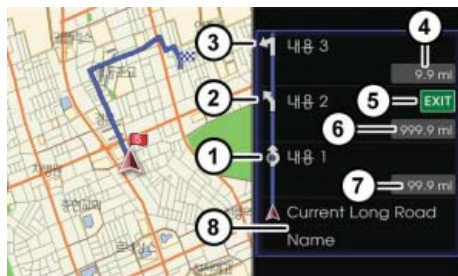
① First turn with corresponding icon
② Second turn with corresponding icon
③ Third turn with corresponding icon
④ Distance to the third turn
⑤ Icon for the exit which must be taken to continue following the route (only visible if a route guidance is active)
⑥ Distance to the second turn
⑦ Distance to the first turn
⑧ Road currently being driven on

POI information

ℹ️ POIs (points of interest) include gas stations, restaurants and banks, for example.

If the map is in scroll mode and the center point of the crosshairs points to a POI, you can call up POI information and initiate a call to the POI.

ℹ️ For information on map scroll mode, refer to the section "Position/scroll mode within the map display" on page 187.

▶ **To call up the map display:** Press the 🔲 MAP GUIDE button.

The map display appears. The map is set to position mode.

▶ **To set the map to scroll mode:** Push the controller ◎ in any direction (⬆ ⬇ ⬅ ➡ ⬈ ⬋).

The crosshairs appear.

▶ **To move the map:** Push and hold the controller ◎ in any direction (⬆ ⬇ ⬅ ➡ ⬈ ⬋) until the center of the crosshairs points to a POI.

Correct screenshot needed, the center point of the crosshairs must point to a POI, menu item "POI Info" must be highlighted.

① Crosshairs
② Options menu
③ Menu item POI Info

▶ **To call up the POI info:** Select the menu item POI Info.

The POI info menu appears. The top part of the POI information menu shows information about the POI.

ℹ️ The system can only display the information stored in the digital map.

▶ **To initiate a phone call to the POI:** In the POI information menu, select the menu item Call.

The system initiates the call.

Functions independent of route guidance

ℹ️ The menu item Call can only be selected if the following conditions are met:

- ◆ There is a unique phone number for the POI stored in the digital map.
- ◆ There is a mobile phone connected with the system.

Traffic information

If you have subscribed to the service XM NavTraffic®, the Driver Information System is able to:

- ◆ Automatically receive traffic information provided by XM® Satellite Radio,
- ◆ display the Traffic Info list, see page 230,
- ◆ display the traffic information in the map, see page 231 and
- ◆ take the traffic information into account during route guidance.

For further information about XM® Satellite Radio please refer to section "XM® Satellite Radio information" on page 56 and visit the following website:

www.xmradio.com

Displaying the Traffic Info list

ℹ️ The Traffic Info list contains the available traffic information.

▶ **To call up the map display in position mode:** Briefly press the 🔲 button.

The map display appears.

▶ **To open the Options menu:** Press the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item NavTraffic Info.

You will see the Traffic Info list.

I've produced this screenshot by myself. Base was a graphic from the styleguide. It's not clear if it shows valid content.

① Trafffic Info list with traffic incidents
② Distance of the traffic incident to the vehicle position
③ Traffic incident
④ Icon for the traffic incident

▶ **To sort the Traffic Info list:** Select the topmost menu item.

The list is resorted.

The labelling of the topmost menu item always shows the current sorting status. It will change with every selection.

Possible labelings:

- ◆ Sort by Icon
- ◆ Sort by Distance

i The menu item cannot be selected if the list contains fewer than three entries.

▶ **To show further information:** Select a list entry.

You will see the further information.

▶ **To go back to the Traffic Info list:** Briefly press the BACK button.

Displaying the traffic information in the map

Not clear if description is ok

i If the function "Show Traffic Info on Map" is activated, the traffic information will be shown in the map. Please refer to the section "Map display settings" on page 243 to find out how to activate or deactivate the function "Show Traffic Info on Map".

The traffic information will be shown in the map in form of green or red lines beside the roads affected by the information. Corresponding icons will be displayed also, the icons are the same as in the Traffic Info list, see illustration above.

New screenshot needed, this one is only an example. It was taken over from the Korean system.

① Green line
② Red line
③ Corresponding icons

Here I will describe what the lines are standing for, but I don't know it

Green line =

Red line =

The position of the line (on the right or on the left side of the road) shows which side of the road is affected.

Navigation

Saving/deleting destinations in the Adress Book

ℹ️ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Address Book categories

The Address Book is divided into the following categories:

- Home
- Work
- Favorite Point 1
- Favorite Point 2
- Favorite Point 3
- Favorite Point 4
- Address List

You can assign each of the categories Home, Work, Favorite Point 1, Favorite Point 2, Favorite Point 3 or Favorite Point 4 a destination of your choice.

The category Address List holds a maximum of 200 destinations that you can define yourself.

Entering a destination via the map and saving it

Option 1 (for all categories)

ℹ️ The following description assumes that there is no destination stored in the categories mentioned above. If there is already a destination stored, proceed as described in the section "Editing Address Book entries" page 239.

Selecting a Address Book category

▶ **To open the Navigation main menu:** Press and hold the **BACK** button.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

▶ In the Address Book editing menu, select one of the menu items Set Home, Set Work, Set Favorite Point 1, Set Favorite Point 2, Set Favorite Point 3 or Set Favorite Point 4.

or

▶ Select the menu item Address List followed by the menu item Add Address.

▶ Select the menu item Map.

In both cases, the map display appears.

Selecting the destination in the map

▶ **To move the map/set the map scale:** Proceed as described in the section "Moving the map/setting the map scale" on page 190.

Saving the destination

▶ **To open the Options menu:** Press the controller ◎.

▶ In the Options menu, select the menu item Set Home or Set Work or Set Favorite Point 1 or Set Favorite Point 2 or Set Favorite Point 3 or Set Favorite Point 4 or Add Address.

The crosshairs position is saved as the destination in the previously selected category.

Saving/deleting destinations in the Adress Book

When saving, the system sets the corresponding icon in the map at the destination position; the icons remain visible in the map even after the save operation.

- ◆ 🏠 = Icon for Home
- ◆ 📁 = Icon for Work
- ◆ 📍 = Icon for Favorite Point 1
- ◆ 📍 = Icon for Favorite Point 2
- ◆ 📍 = Icon for Favorite Point 3
- ◆ 📍 = Icon for Favorite Point 4
- ◆ 📍 = Icon for destinations saved in the Address Book category Address List.

When saving a destination in the category Address List, the system automatically uses the address as the destination name. You can edit the name and assign a different icon later, see the section "Editing an entry" on page 239.

You cannot edit the icon and name with the other Address Book categories.

Option 2 (only for the category Address List)

▶ **To call up the map display:** Press the 🗺 GUIDE button.

▶ **To move the map/set the map scale:** Proceed as described in the section "Moving the map/setting the map scale" on page 190.

▶ **To save the crosshairs center as the destination:** Press the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Add to Address Book.

ℹ The menu item Add to Address Book cannot be selected if there are already 200 destinations saved in this category.

The crosshairs center will be saved as destination in the category Address List. When saving, the system sets the standard icon 📍 in the map at the destination position; this icon remains visible in the map even after the save operation.

The system automatically uses the address as the destination name when saving. You can edit the name and assign a different icon later, see the section "Editing an entry" on page 239.

Entering the destination by conventional means and saving it

ℹ The following description assumes that there is no destination stored in the categories Home, Work, Favorite Point 1, Favorite Point 2, Favorite Point 3 and Favorite Point 4. If there is already a destination stored, proceed as described in the section "Editing Address Book entries" on page 239.

Selecting a Address Book category

▶ **To open the Navigation main menu:** Press and hold the BACK button.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

Saving/deleting destinations in the Adress Book

▶ In the Address Book editing menu, select one of the menu items Set Home, Set Work, Set Favorite Point 1, Set Favorite Point 2, Set Favorite Point 3 or Set Favorite Point 4.

or

▶ In the Address Book editing menu, select the menu item Address List followed by the menu item Add Address.

In both cases, a selection list appears. Now you have several options to enter a destination.

Entering a destination

Entering a destination via the address

▶ Select the list item Address.

▶ Enter the address. Please see from the section "Entering a destination via the address" on page 193 onwards for the rest of the description of this function.

You have further operation options after you have entered a destination, see the section "After a destination has been entered" on page 235.

Entering a destination via the Previous Destinations

▶ Select the list item Previous Destinations.

▶ Select a destination. Please see from the section "Entering a destination via the Previous Destinations" on page 198 onwards for the rest of this function.

You have further operation options after you have entered a destination, see the section "After a destination has been entered" on page 235.

Entering a destination via Intersection input

▶ Select the list item Intersection.

▶ Enter the streets. Please see from the section "Entering a destination via Intersection input" on page 198 onwards for the rest of this function.

You have further operation options after you have entered a destination, see the section "After a destination has been entered" on page 235.

Entering a POI as a destination

▶ Select the list item Point of Interest.

The POI main menu appears.

▶ In the POI main menu, select the menu item Name and enter a POI destination. Please see from the section "Entering a POI destination via POI name" on page 199 onwards for the rest of this function.

or

▶ In the POI main menu, select the menu item Category and enter a POI destination. Please see from the section "Entering a POI destination via POI category" on page 203 onwards for the rest of this function.

or

▶ In the POI main menu, select the menu item Phone Number and enter a POI destination. Please see from the section "Entering a POI destination via POI phone number" on page 206 onwards for the rest of this function.

Saving/deleting destinations in the Adress Book

You have further operation options after you have entered a destination, see the section "After a destination has been entered" on page 235.

Entering a destination via the Address Book

▶ Select the list item Address Book.

▶ Select a destination. Please see from the section "Entering a destination via the Address Book" on page 210 onwards for the rest of this function.

You have further operation options after you have entered a destination, see the section "After a destination has been entered" on page 235.

Entering an emergency destination

▶ Select the list item Emergency.

▶ Select a emergency category. Please see from the section "Entering an emergency destination" on page 211 onwards for the rest of this function.

You have further operation options after you have entered a destination, see the section "After a destination has been entered" on page 235.

Entering a destination via the map

▶ Select the list item Map.

▶ Select a destination in the map. Please see from the section "Entering a destination via the map" on page 212 onwards for the rest of this function.

You have further operation options after you have entered a destination, see below.

After a destination has been entered

After you have entered a destination, you will see the destination on the map and, on the right-hand side of the display, information about the destination as well as the Options menu.

The Options menu offers access to the following functions:

◆ Saving the destination, see page 235.

◆ Adjusting the destination position, see page 236.

◆ Initiating a call to a POI, see page 236.

ℹ POIs (points of interest) include gas stations, restaurants and banks, for example.

Saving the destination

▶ In the Options menu, select the menu item Set Home or Set Work or Set Favorite Point 1 or Set Favorite Point 2 or Set Favorite Point 3, Set Favorite Point 4 or Add Address.

The destination is saved.

When saving, the system sets the corresponding icon in the map at the destination position; the icons remain visible in the map even after the save operation.

◆ 🏠 = Icon for Home

◆ 📇 = Icon for Work

◆ 📌 = Icon for Favorite Point 1

◆ 📌 = Icon for Favorite Point 2

◆ 📌 = Icon for Favorite Point 3

◆ 📌 = Icon for Favorite Point 4

◆ 📌 = Icon for destinations saved in the Address Book category Address List.

Saving/deleting destinations in the Adress Book

When saving a destination in the category Address List, the system automatically uses the address as the destination name. You can edit the name and assign a different icon later, see the section "Editing an entry" on page 239.

You cannot edit the icon and name with the other Address Book categories.

Initiating a call to a POI

i POIs (points of interest) include gas stations, restaurants and banks, for example. This function is only available if the following conditions are met:

- ◆ The entered destination is a POI.
- ◆ The digital map contains the phone number of the POI.
- ◆ There is a mobile phone connected with the system.

▶ In the Options menu, select the menu item Dial Number.

The system initiates the call.

Adjusting the destination position

▶ In the Options menu, select the menu item Adjust Position.

The Options menu is closed.

▶ Keep moving the map until the destination position is in the crosshairs. To do so, proceed as described in the section "Moving the map/setting the map scale" on page 190.

▶ **To confirm the position:** Press the controller ◎.

If the position is invalid, you will see an appropriate message.

▶ **To close the message:** Press the controller ◎.

You can adapt the destination position again.

If the position is valid, the Options menu reappears and all previously described options are once more available.

Deleting destinations

Deleting all destinations in the category Previous Destinations

▶ **To open the Navigation main menu:** Press and hold the **BACK** button.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

▶ In the Address Book editing menu, select the menu item Delete Previous Dest.

You will be prompted to confirm that you wish to delete all destinations in the category.

▶ Select Yes or No.

The destinations will be deleted or retained, depending on the answer selected.

Saving/deleting destinations in the Adress Book

Deleting a single destination or all destinations in the category Address List

▶ **To open the Navigation main menu:** Press and hold the **BACK** button.

The Navigation main menu appears.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

▶ In the Address Book editing menu, select the menu item Address List.

The destination list appears.

▶ **To sort the list by date of storage or alphabetical:** Select the menu item Sort by Date or Sort Alphabetically.

i The menu item cannot be selected if the list contains fewer than three entries.

The list is resorted. The sorting status is identified by the icon to the left of the menu item.

- ◆ Icon 🕐 = list is sorted by date of storage.

- ◆ Icon 🔒 = list is sorted alphabetical.

i The menu item cannot be selected if the list contains fewer than three entries.

▶ Highlight a destination.

▶ Push ➡ the controller ◎.

The Options menu appears.

Showing the highlighted destination in the map

▶ In the Options menu, select the menu item Show on Map.

You will see the destination in the map.

▶ **To set the map scale:** Turn 〔 〕 the controller ◎ until the desired scale is reached.

▶ **To close the map display:** Press the **BACK** button.

or

▶ Do nothing for a certain time.

Deleting the highlighted destination

▶ In the Options menu, select the menu item Delete.

You will be prompted to confirm that you wish to delete the destination.

▶ Select Yes or No.

The destination will be deleted or retained, depending on the answer selected.

Deleting all destinations

▶ In the Options menu, select the menu item Delete All.

You will be prompted to confirm that you wish to delete all the destinations.

▶ Select Yes or No.

The destinations will be deleted or retained, depending on the answer selected.

Deleting a destination in a category except of Previous Destinations and Address List

▶ **To open the Navigation main menu:** Press and hold the **BACK** button.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

Saving/deleting destinations in the Adress Book

▶ In the Address Book editing menu, highlight one of the menu items Home, Work, Favorite Point 1, Favorite Point 2, Favorite Point 3 or Favorite Point 4.

▶ Push ➡ the controller ◎.

The Options menu appears.

Showing the highlighted destination in the map

▶ In the Options menu, select the menu item Show on Map.

You will see the destination in the map.

▶ **To set the map scale:** Turn ❨ ❩ the controller ◎ until the desired scale is reached.

▶ **To close the map display:** Press the BACK button.

or

▶ Do nothing for a certain time.

Deleting the highlighted destination

▶ In the Options menu, select the menu item Delete.

You will be prompted to confirm that you wish to delete the destination.

▶ Select Yes or No.

The destination will be deleted or retained, depending on the answer selected.

Editing Address Book entries

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Selecting an Address Book entry

In all categories except Address List

▶ **To open the Navigation main menu:** Press and hold the **BACK** button.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

▶ In the Address Book editing menu, select one of the menu items Home, Work, Favorite Point 1, Favorite Point 2, Favorite Point 3 or Favorite Point 4.

The editing menu for the selected entry appears and you can edit the entry, see the section "Editing an entry" on page 239.

In the category Address List

▶ **To open the Navigation main menu:** Press and hold the **BACK** button.

▶ In the Navigation main menu, select the menu item Edit Addr. Book.

The Address Book editing menu appears.

▶ In the Address Book editing menu, select the category Address List.

The destination list appears.

▶ **To sort the list by date of storage or alphabetical:** Select the menu item Sort by Date or Sort Alphabetically.

The list is resorted. The sorting status is identified by the icon to the left of the menu item.

◆ Icon 🔲 = list is sorted by date of storage.

◆ Icon 🔲 = list is sorted alphabetical.

i The menu item cannot be selected if the list contains fewer than three entries.

▶ Select an entry.

The editing menu for the selected entry appears and you can edit the entry, see below.

Editing an entry

Editing menu

Correct screenshot needed, this one is only an example.

① Name data field
② Icon data field
③ Position data field
④ Phone number data field
⑤ Date data field

Editing Address Book entries

i The date data field (5) shows when the entry was last edited.

The following functions are available in the editing menu:

- Displaying details, see page 240
- Editing the name, see page 240
- Switching the name display on/off, see page 241
- Assigning a different icon, see page 241
- Changing the destination position, see page 241
- Editing a phone number, see page 242

Displaying details

i If the entries in the position or name data field are too long, the system abbreviates the entries. You can display the complete entry using this function.

Displaying name details

i This function is only available if you edit an entry of the category Address List.

▶ **To open the Options menu:** Highlight the name data field in the editing menu and push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Details.

The complete entry is displayed.

▶ **To close the details display:** Press the controller ◎.

Displaying position details

i This function is not available if you edit an entry of the category Address List.

▶ **To open the Options menu:** Highlight the position data field in the editing menu and push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Details.

The complete entry is displayed.

▶ **To close the details display:** Press the controller ◎.

Editing the name

i The name of the entry in the categories Home and Work cannot be edited.
You can enter a maximum of 50 characters for a name.

▶ **To initiate editing:** Select the name data field in the editing menu.

The predictive speller appears and you can now edit the name.

▶ **To enter a character:** Proceed as described in the chapter "Phone", section "Entering a name" on page 176.

▶ **To delete individual characters:** Select the menu item ◀.

▶ **To delete all characters:** Select the menu item Delete All.

▶ **To complete editing:** Select the menu item OK.

If a Address Book entry with this name already exists, you will see an appropriate message.

  ▶ **To close the message:** Press the controller ◎.

  You can edit the name again.

Switching the name display on/off

i The system displays Address Book entries in the map using appropriate icons. In addition to the icons, the system can also display the destination names. You can activated/deactivate this display.

▶ **To open the Options menu:** Highlight the name data field in the editing menu and push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Show Name on Map.

The name display will be activated or deactivated, depending on the previous status. The status display will change accordingly.

 ◆ Display ☐ = function deactivated

 ◆ Display ☑ = function activated

Assigning a different icon

i The system displays Address Book entries in the map using appropriate icons. You can use this function to assign an Address Book entry an icon other than the standard icon. You cannot assign a different icon for the entry in the categories Home, Work, Favorite Point 1, Favorite Point 2, Favorite Point 3 and Favorite Point 4.

▶ **To open the Icon menu:** Select the icon data field in the editing menu.

The Icon menu appears.

▶ **To select an icon:** In the Icon menu, highlight the desired icon and press the controller ◎.

▶ **To confirm the selection and assign the icon:** Select the menu item OK.

▶ **To reassign the standard icon:** In the Icon menu, select the menu item Delete.

Changing the destination position

▶ Select the position data field in the editing menu.

The map display appears.

▶ **To set the map scale:** Turn 【 】 the controller ◎ until the desired scale is reached.

▶ **To move the map:** Push and hold the controller ◎ in any direction (⬆ ⬇, ⬅ ➡ or ⤡ ⤢).

The map moves accordingly.

▶ **To confirm the change:** Press the controller ◎.

The editing menu appears again.

▶ **To cancel the change:** Press the BACK button.

▶ **To display address data in full:** Highlight the position data field in the editing menu and push ➡ the controller ◎.

The Options menu appears.

Editing Address Book entries

▶ In the Options menu, select the menu item Details.

ℹ The menu item Details can only be selected if the address data exceeds a certain length.

The address data is displayed in full.

Editing a phone number

ℹ You can enter a maximum of 20 characters for a phone number.

▶ Select the phone number data field in the editing menu.

The predictive speller appears and you can now edit the phone number.

▶ **To enter a character:** Proceed as described in the section "Phone", section "Entering a name" on page 176.

▶ **To delete individual characters:** Select the menu item ◀.

▶ **To delete all characters:** Select the menu item Delete All.

▶ **To complete editing:** Select the menu item OK.

Deleting a phone number/Initiating a call to a phone number

▶ Highlight the phone number data field in the editing menu.

▶ **To open the Options menu:** Push ➡ the controller ◎.

The Options menu appears.

▶ **To delete the phone number:** In the Options menu, select the menu item Delete.

The phone number is deleted.

▶ **To initiate a call:** In the Options menu, select the menu item Dial Number.

ℹ The menu item Dial Number can only be selected if the following conditions are met:

   ◆ The Address Book entry contains a phone number.

   ◆ There is a mobile phone connected with the system.

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Opening the Settings menu

▶ Press and hold the **BACK** button.

The Navigation main menu appears.

▶ In the Navigation main menu, select the menu item Settings.

The Settings menu appears.

▶ **To close the menus:** Press the **BACK** button repeatedly until all of the menus are closed.

You can access the following functions in the Settings menu:

- ◆ Setting the volume of the audible driving recommendations, see the section "Setting the volume" on page 191
- ◆ Map display settings, see page 243
- ◆ Estimated time of arrival settings, see page 245

- ◆ Avoid Area settings, see page 246
- ◆ Displaying navigation information, see page 249
- ◆ Reset function, see page 250

Map display settings

▶ Open the Settings menu, see the section "Opening the Settings menu" on page 243.

▶ In the Settings menu, select the menu item Map Display.

A list appears in which you can activate, deactivate and switch various functions. The functions are listed below.

▶ **To close the list:** Briefly press the **BACK** button.

Function Display Mode

i You can use this function to switch the map display to day, night or automatic mode.

▶ Highlight the list item Display Mode.

▶ Push ➡ the controller ◎.

The Options menu appears. The icon ◉ to the left of a menu item indicates that this setting is currently active.

▶ Select the desired setting.

i If you select the setting Automatic, the map display mode will be automatically switched as a function of the vehicle illumination.

Function Display Miles/Display Km

i You can use this function to switch the display of distance values from miles to kilometers or vice versa.

▶ **To switch from miles to kilometers:** Select the list item Display Miles.

The labelling of the list item changes to Display Km.

▶ **To switch from kilometers to miles:** Select the list item Display Km.

The labelling of the list item changes to Display Miles.

Settings

All other functions

▶ **To activate/deactivate the function:** Select the corresponding list entry.

Depending on the previous status, the function will be activated or deactivated. The status display to the left of the menu item changes accordingly.

- ◆ Display ☐ = function deactivated
- ◆ Display ☑ = function activated

The functions are listed below.

Function Show Avoid Area

If you activate this function, the system can show you the so-called "Avoid Areas", see the section "Avoid Area settings" on page 246.

Function Show Traffic Info on Map

If you activate this function, the traffic information will be displayed in the map on receipt, see the section "Displaying the traffic information in the map" on page 231.

Function Position Tracking

The system automatically tracks the vehicle position. If you activate this function, the system can show you the tracked vehicle position in the map over a distance of max. 124 mi (200 km) in the form of a dotted line.

Resetting position tracking

Resetting position tracking deletes all previously stored position information and restarts position tracking.

▶ Highlight the list item Position Tracking.

▶ Push ➡ the controller ◎.

The Options menu appears.

▶ Press the controller ◎.

Position tracking is reset.

Switching the map orientation

ℹ️ You can use this function to set whether the map is oriented to the north or the direction of travel.

▶ **To call up the map display:** Briefly press the 🔲 button.

The map display appears.

▶ **To open the Map Options menu:** Press the controller ◎.

The Map Options menu appears.

▶ In the Map Options menu, select the menu item North Up View or Heading Up.

The map orientation is switched. The icon to the left of the menu item changes accordingly.

- ◆ Icon 🔲 =fixed map orientation, north is always at the top.
- ◆ Icon 🔲 = dynamic map orientation, driving direction is always at the top.

Switching the map mode

The following functions are available:

- ◆ Show Freeway Mode
- ◆ Turn by Turn

Function Show Freeway Mode

If you activate this function, the system can show you freeway information on the right-hand side of the display, see the section "Freeway information" on page 228.

Function Turn by Turn

If you activate this function, the system can show you a turn list on the right-hand side of the display, see the section "Turn List" on page 228.

Activating/deactivating a function

▶ **To call up the map display:** Briefly press the MAP GUIDE button.

The map display appears.

▶ **To open the Map Options menu:** Press the controller ◎.

The Map Options menu appears.

▶ In the Map Options menu, select the menu item Map Mode.

▶ **To activate/deactivate a function:** Select the menu item Show Freeway Mode or Turn by Turn.

Depending on the previous status, the corresponding function will be activated or deactivated. The status display to the left of the menu item changes accordingly.

- ◆ Display ☐ = function deactivated
- ◆ Display ☑ = function activated

Estimated time of arrival **settings**

ℹ️ You can use this function to set the average vehicle speed used by the system as a basis for calculating the **estimated time of arrival**. You can make separate settings for three different road types.

▶ Open the Settings menu, see the section "Opening the Settings menu" on page 243.

▶ In the Settings menu, select the menu item Time To Destination.

The corresponding menu appears.

Correct screenshot needed, this one is only an example.

① Road type
② Indicator
③ Currently set speed

▶ **To select a road type:** Push ⬆ ⬇ the controller ◎ repeatedly until the desired road type is highlighted.

▶ **To set the speed:** Turn 〖 〗 the controller ◎ until the desired setting is reached.

The system saves this setting automatically.

▶ **To close the menu:** Push ⬅ the controller ◎.
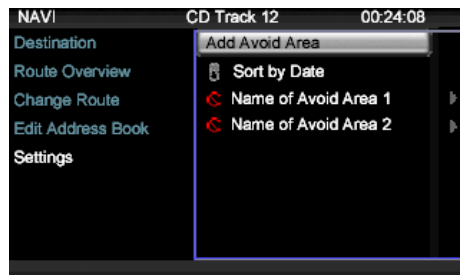
Settings

Avoid Area settings

ℹ️ You can set up to ten areas which should be avoided for route guidance.

Opening the Avoid Area main menu

▶ Open the Settings menu, see the section "Opening the Settings menu" on page 243.

▶ In the Settings menu, select the menu item Avoid Area.

The Avoid Area main menu appears.

Correct screenshot needed, menu item "Add Avoid Area" must be highlighted, menu must contain four entered avoid areas at least.

NAVI	CD Track 12	00:24:08
Destination	Add Avoid Area	
Route Overview	🔋 Sort by Date	
Change Route	🧭 Name of Avoid Area 1	▶
Edit Address Book	🧭 Name of Avoid Area 2	▶
Settings		

① List of Avoid Areas already stored
② Avoid Area main menu

After opening the Avoid Area main menu, the following options are available:

◆ Adding an Avoid Area, see page 246

◆ Deleting Avoid Areas, see page 248

◆ Editing Avoid Areas, see page 248

Adding an Avoid Area

▶ In the Avoid Area main menu, select the menu item Add Avoid Area.

A selection list appears. Now you can enter the desired area.

Entry of a area is divided into the following steps:

1. Entering a destination as the starting point of the Avoid Area.
2. Defining the Avoid Area.

Entering a destination as the starting point for the Avoid Area

Correct screenshot needed, menu item "Address" must be highlighted.

NAVI	CD Track 12	00:24:08
Destination	Address	
Route Overview	Previous Destination	
Change Route	Intersection	
Edit Address Book	Point of Interest	
Settings	Address Book	
	Emergency	
	Map	
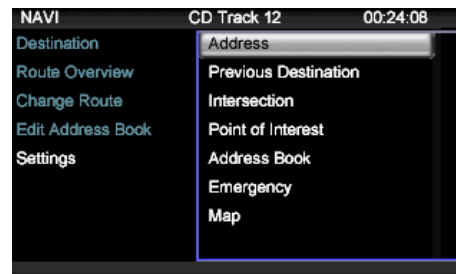
▶ Select one of the menu items to enter a destination. Please see from the section "Entering a destination" on page 234 onwards.

Defining the Avoid Area

After entering the destination, you will see the map display with crosshairs. The crosshairs center is set to the destination.

Correct screenshot needed.

Step1. Set Top-Left Point
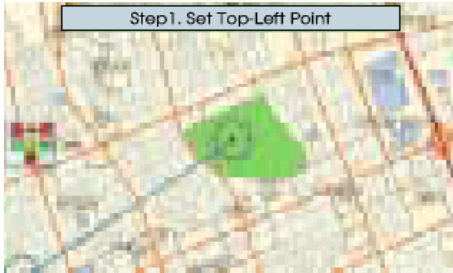
① Crosshairs

Now you can define the top left point of the Avoid Area.

▶ **To set the map scale:** Turn 〔 〕 the controller ◎ until the desired scale is reached.

▶ **To move the crosshairs:** Push and hold the controller ◎ in any direction (⬆ ⬇ ⬅ ➡ ↘ ↙).

The crosshairs moves accordingly.

▶ **To define the top left point:** Press the the controller ◎.

Now you can define the bottom right point of the Avoid Area.

Correct screenshot needed.

Step2. Set Bottom-Right Point

▶ **To set the map scale and to move the crosshairs:** Proceed as previously described when defining the top left point.

▶ **To define the bottom right point:** Press the the controller ◎.

You will see the defined area in the map.

Correct screenshot needed.

Step3. Confirm to press OK

① Defined area

▶ **To confirm the defined area:** Press the controller ◎.

You will see the Avoid Area main menu again. The defined area is stored and appears in the menu. The system automatically uses the address as the Avoid Area name. You can edit the name, see section "Editing the name" on page 249.

247

Settings

Deleting Avoid Areas

Deleting a single area

▶ In the Avoid Area main menu, highlight the desired area.

▶ **To open the Options menu:** Push ➡ the controller ◎.

The Options menu appears.

▶ **To show the area in the map:** In the Options menu, select the men item Show on Map.

You will see the area in the map.

▶ **To set the map scale:** Turn ⟨ ⟩ the controller ◎ until the desired scale is reached.

▶ **To close the map display:** Press the BACK button.

or

▶ Do nothing for a certain time.

▶ **To delete the area:** In the Options menu, select the menu item Delete.

You will be prompted to confirm that you wish to delete the area.

▶ Select Yes or No.

The area will be deleted or retained, depending on the answer selected.

Deleting all areas

▶ In the Avoid Area main menu, select any area you like.

▶ **To open the Options menu:** Push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Delete All.

You will be prompted to confirm that you wish to delete all areas.

▶ Select Yes or No.

All areas will be deleted or retained, depending on the answer selected.

Editing Avoid Areas

Opening the editing menu

▶ In the Avoid Area main menu, select the desired area.

The editing menu appears

Correct screenshot needed.
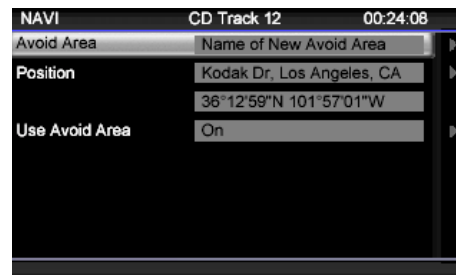
① Name data field of the Avoid Area
② Position data field of the Avoid Area
③ Display of the current status

Setting the status

ℹ️ If you set the status to on, the navigation system will try to avoid the area for route guidance. If you set the status to off, the navigation system will not try to avoid the area for route guidance.

▶ Open the editing menu, see the section "Opening the editing menu" on page 248.

▶ In the editing menu, highlight the menu item Use Avoid Area.

▶ **To open the Options menu:** Push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item On or Off.

Depending on the menu item selected, the status will be set accordingly.

Editing the name

▶ Open the editing menu, see the section "Opening the editing menu" on page 248.

▶ In the editing menu, highlight the menu item Avoid Area.

▶ Press the controller ◎.

The predictive speller appears and you can now edit the name.

▶ **To delete individual characters:** Select the menu item ◀.

▶ **To enter a character:** Proceed as described in the chapter "Phone", section "Entering a name" on page 176.

▶ **To delete all characters:** Select the menu item Delete All.

▶ **To complete editing:** Select the menu item OK.

Displaying name details

ℹ️ If the entry in the name data field is too long, the system abbreviates the entry. You can display the complete entry using this function.

▶ Open the editing menu, see the section "Opening the editing menu" on page 248.

▶ In the editing menu, highlight the menu item Avoid Area and push ➡ the controller ◎.

The Options menu appears.

▶ In the Options menu, select the menu item Details.

The complete entry is displayed.

▶ **To close the details display:** Press the controller ◎.

Displaying navigation information

▶ Open the Settings menu, see the section "Opening the Settings menu" on page 243.

▶ In the Settings menu, select the menu item NAVI Information.

The Information menu appears.

Correct screenshot needed, this one is only an example.

① Current vehicle speed
② Geo-coordinates of the current vehicle position
③ Current vehicle position in metres above sea level
④ GPS reception quality
⑤ Version number of the digital map

Settings

i Adequate GPS reception must be available for the displays ② and ③. The altitude display ③ may differ from reality because the system calculates it using the GPS signals.

▶ **To close the Information menu:**
Press the BACK button.

Reset function

This function resets the navigation settings to their factory settings. The Address Book data except of the previous destinations will not be reset.

▶ Open the Settings menu, see the section "Opening the Settings menu" on page 243.

▶ In the Settings menu, select the menu item Factory Reset.

You will be prompted to confirm that you wish to reset the settings.

▶ Select Yes or No.

The settings will or will not be reset, depending on the answer you select.

Voice control

General information

i For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

Safety instruction

⚠️ **WARNING**

Stressful situations can affect the sound of your voice and could result in a telephone call you want not being made quickly enough. The distraction could result in you losing control of the vehicle.

◆ Do not operate the telephone function using voice control in an emergency.

Symbols

Some of the voice commands initiate a dialog between the user and the voice control system. A number of dialogs are given in the operating guide by way of example.

The following symbols are used in the sample dialogs:

Symbol 🎤
In a sample dialog between the voice control system and the user, this symbol indicates a voice command by the user.

Symbol ◀
In a sample dialog between the voice control system and the user, this symbol indicates an announcement by the system.

Symbol ⬜
In a sample dialog between the voice control system and the user, this symbol indicates information shown on the display.

Symbol *Ping*
In a sample dialog between the voice control system and the user, this symbol indicates the tone signalling that the voice control system is ready for commands to be entered.

Symbol ...*
Using your voice control system you can call up station names, phonebook entries or points of interest. These names are represented by ...* in the sample dialogs.

Symbol ... (1-X)
If a set of brackets containing a number range appears after the three points, these three points indicate a number within this range, for example "*Disc ...(1-6)*".

Operating language

The voice control system can be operated in English language. It doesn't matter, which system language is set in the System settings.

General notes on operation

Voice control is activated by pressing the ⟨♦⟩ button on the steering wheel. This allows you to operate the Driver Information System without taking your hands from the steering wheel.

The voice control system recognizes commands or numerical sequences regardless of who is speaking. It provides audible feedback and guides you through the functions.

If you say an incorrect or unavailable command, the voice control system responds with "Pardon?" and you can repeat the command. After the 3rd failed attempt, the system aborts the operation and the dialog is terminated with "Cancel".

You can cancel a dialog at any time by pressing and holding the ⟨♦⟩ button on the steering wheel or by saying the command "Cancel".

> **i** The button ⟨♦⟩ on the steering wheel has no function when there is a telephone call in progress.

You can also cancel dialogs by pressing any button on your Driver Information System. This does not apply to the volume control, which can still be used to adjust the volume when a dialog is active.

Please refer also to the sections "Activating voice control" on page 254, "Deactivating voice control" on page 254 and "Setting the volume" on page 254.

Voice input

To ensure optimum voice recognition by your voice control system, please observe the following points:

◆ Speak continuously and at normal volume. Avoid long pauses and excessive emphasis.

◆ Reduce interference by closing windows, doors and the sunroof.

◆ Avoid ambient noise in the vehicle when using the voice control system (e.g. conversations between other passengers going on at the same time).

◆ The faster the vehicle is traveling, the greater the ambient noise. You should therefore speak more loudly at higher speeds.

◆ Do not enter voice commands while an announcement is being made.

◆ The hands-free microphone is directed towards the driver's seat. The voice control system should therefore be operated by the driver.

General operation

Activating voice control

▶ Briefly press the 🔘 button on the steering wheel.

After the *Ping* 彡 sounds, the voice control system is ready to receive commands. If you do not enter a command, the voice control system will prompt you for one by saying "*Pardon?*".

ℹ️ It is not possible to activate the voice control system while making or receiving a telephone call.

Deactivating voice control

ℹ️ You can quit the voice control system at any time, even during a dialog.

▶ Press and hold the 🔘 button on the steering wheel for several seconds.

or

▶ Say the command "*Cancel*".

The voice control system confirms with "*Cancel*" and switches off.

On-screen symbol

As soon as the voice control system is activated and the ping has sounded, the symbol 🎙 appears in the bottom status line or in the navigation map.

① Voice control symbol 🎙 in the bottom status line
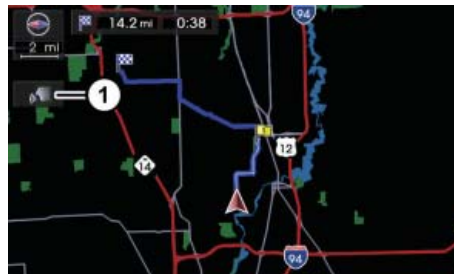
① Voice control symbol 🎙 in the navigation map

Setting the volume

ℹ️ The volume of the voice control system is independent of the volume set for the telephone/audio system.

You can adjust the volume of the announcements made by the voice control system, for example in response to variations in ambient noise during the journey.

▶ Activate the voice control system and say a command such as "*Help*".

▶ During the subsequent announcement, turn the volume control on your unit to increase or lower the volume.

Commands

The commands that you can use to operate your voice control system are divided into two categories:

♦ **Local commands**
Local commands can only be used within the respective main function, for example "*Next track*" when in Disc mode.

You can call up the available local commands whenever you use the teleprompter. Please refer also to the section "Help function (teleprompter)" on page 256.

♦ **Group commands**
Group commands can be used within any operating mode. They cover the main functions, the individual operating areas of your Driver Information System and the help function.

Calling up the help function:

♦ *Help*

Group commands for the main functions:

♦ *Main commands*

Group commands for tuner mode:

♦ Radio commands

♦ *Station commands*

♦ *Frequency commands*

Group commands for disc mode:

♦ *Disc commands*

♦ *Select disc commands*

♦ *Track commands*

♦ *Folder commands*

Group commands for phone mode:

♦ *Phone commands*

♦ *Number commands*

♦ *Phonebook commands*

Group commands for navigation mode:

♦ *Navigation commands*

♦ *Adressbook commands*

♦ *Destination search commands*

♦ *Route guidance commands*

♦ *Map commands*

Skipping sections of a dialog

ℹ️ By briefly pressing the 🎙 button during an active dialog you can skip a voice announcement or return to the start of your voice input and repeat it.

Skipping voice announcements

▶ Briefly press the 🎙 button during a voice announcement by the unit.

The voice announcement is skipped and the voice control system is ready for the next voice input.

Voice control

General information

Repeating input

▶ Briefly press the 🔊 button during voice input.

The voice control system returns to the point in the dialog where you started your input and you can repeat it.

Configuring voice control

Switching the teleprompter on/off

ℹ️ The visual help is called teleprompter, see example illustration below.

This function is described in the chapter "Info", section "Show voice command" on page 290.

Switching confirmation prompts on/off

ℹ️ Spoken commands are repeated by the voice control system when this function is switched on.

This function is described in the chapter "Info", section "Confirm voice command" on page 290.

Help function (teleprompter)

ℹ️ The help function comprises an acoustic help component and a visual help component, also called teleprompter.

The voice control system features an integrated help function that is always available.

This help function is automatically activated as soon as

◆ the system does not understand a voice input

or

◆ voice input is not made in the dialog.

The help function can also be activated at any time using the command "*Help*".

Automatically activated help function

The help function is automatically activated as soon as the voice control system identifies a problem with the voice input. Help is then provided in two steps:

◆ Step 1:
The commands from the top operating level are displayed in the teleprompter.

You now have the option of reading the desired command and continuing the voice input. The second step of the help function follows if voice input is not continued or continued incorrectly.

◆ Step 2:
The commands are displayed in the teleprompter and said by the voice control system.

Calling up the help function and using it for operation

If you call up the help function using the command "*Help*", the commands are both displayed in the teleprompter and said by the voice control system.

If you activate the help function and repeat one of the commands, you can then activate the help function again. This is how you access the available commands from the next operating level.

i You can also show the commands from an operating area directly using the group commands, for example "*Phone commands*".

Operating picklists

The voice control system can display picklists to you on the screen, for example the channel list in the XM® tuner mode.

Scrolling through a picklist

You can scroll through any picklist using the commands "*Next page*", "*Previous page*", "*Back*", "*First Page*" or "*Last Page*".

i You can also scroll through a list using the controller, see chapter "Functional introduction", section "Lists" on page 29.

Selecting an entry in a picklist

Within picklists, you have the following two options for selecting an entry:

▶ Say the contents as they are displayed in the row.

▶ Say the command "*Entry...(1-8)*".

i You can also select an entry in a list using the controller, see chapter "Functional introduction", section "Selecting a menu item" on page 28.

Tuner mode (FM, AM and XM Satellite Radio)

Calling up tuner mode

▶ **FM or AM tuner:** Press the 🎙 button on the steering wheel and say the command "*Radio on*" after the signal tone.

FM or AM tuner mode is called up and the appropriate main menu appears on the display. The last selected station is played.

▶ **XM® tuner:** Press the 🎙 button on the steering wheel and say the command "*XM*" after the signal tone.

XM® tuner mode is called up and the XM® Satellite Radio menu appears on the display. The last selected channel is played.

Tuner mode help

You can use the command "*Radio commands*" to listen to all the commands available for FM, AM or XM® tuner mode.

▶ Press the 🎙 button on the steering wheel and say the command "*Radio commands*" after the signal tone.

The teleprompter is opened with the possible commands.

Setting the waveband

You can use the commands

◆ "*FM*"

◆ "*AM*"

to set the waveband.

See also "Setting the waveband" on page 259 in the section "Operating examples".

Setting the frequency (FM or AM tuner mode only)

You can use the commands

◆ "*FM ...(87.7-107.9)*"

◆ "*AM ...(530-1710)*"

to enter a radio frequency directly.

ℹ The frequency can be entered anywhere within the range of 87.7 -107.9 MHz (FM) and 530 - 1710 KHz (AM).

▶ Press the 🎙 button on the steering wheel and say the command for the desired frequency after the signal tone, for example "*FM 97.5*".

The unit tunes to the desired frequency. See also "Tuning to a radio station by specifying the frequency (FM or AM tuner mode only)" on page 260 in the section "Operating examples".

Next/previous station (FM and AM tuner mode only)

You can use the commands "*Next station*" and "*Previous station*" to tune the unit to the next or previous station stored in the presets.

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The unit tunes to the desired station.

Next/previous channel (XM® tuner mode only)

You can use the commands "*Next channel*" and "*Previous channel*" to tune the unit to the next or previous channel stored in the channel presets.

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The unit tunes to the desired channel.

Station search (FM and AM tuner mode only)

You can use the commands "*Seek up*" and "*Seek down*" to start the station search. The station search proceeds upwards or downwards and stops at the next receivable station.

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The unit tunes to the next receivable station.

Selecting channels (XM® tuner mode only)

You can use the command "*Channel ...*＊" to select XM® Satellite Radio channels directly by the channel name.

▶ Press the 🎙 button on the steering wheel and say the command "*Channel ...*＊" after the signal tone.

The unit tunes to the desired channel.

You can use the command "*Channel...(1-255)*" to select XM® Satellite Radio channels directly by the channel number.

▶ Press the 🎙 button on the steering wheel and say the command "*Channel 10*" after the signal tone.

The unit tunes to the desired channel.

You can use the command "*Channel by name*" to select a channel from a picklist,

Operating examples

Setting the waveband

▶ Press the 🎙 button on the steering wheel.

◀ *Ping* ⊰

🗣⊰ "*FM.*"

◀ "*FM.*"

The corresponding waveband is set.

Voice control

Tuner mode (FM, AM and XM Satellite Radio)

Tuning to a radio station by specifying the frequency (FM or AM tuner mode only)

▶ Press the 🎙 button on the steering wheel.

◀ *Ping* ⌇

🗣 "*FM ...(87.7-107.9).*"

◀ "*FM ...(87.7-107.9).*"

The unit tunes to the specified radio station.

Selecting a channel (XM® tuner mode only)

▶ Press the 🎙 button on the steering wheel.

◀ *Ping* ⌇

🗣 "*Channel by name.*"

◀ "*Channel by name.*"

☐ The first page of the channel list is displayed.

Screenshot is still wrong

◀ "*Please say the channel name*"
   Ping ⌇

🗣 "*... * *"

◀ "*... * *"

The unit tunes to the selected channel.

Calling up disc mode

▶ Press the 🎙 button on the steering wheel and say the command "*Disc on*" after the signal tone.

Disc mode is called up and the appropriate main menu appears on the display.
If there is a disc inserted or there is a disc in the magazine of the changer, playback of the last track played will start.

Disc mode help

You can use the command "*Disc commands*" to listen to all the commands available for disc mode.

▶ Press the 🎙 button on the steering wheel and say the command "*Disc commands*" after the signal tone.

The teleprompter is opened with the possible commands.
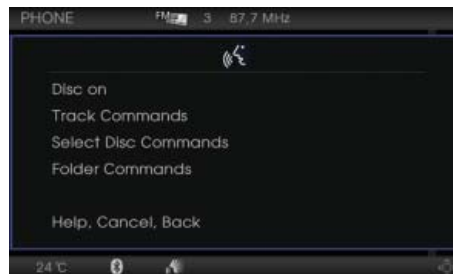
Next/previous disc

You can use the command "*Next disc*" or "*Previous disc*" to skip to the next or previous disc and automatically start playback.

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The system starts playback of the corresponding disc.

Selecting a disc directly

You can use the commands "*Disc by number*" or "*Disc ...(1-6)*" to skip to the selected disc and automatically start playback.

See also "Selecting a disc" on page 262 in the section "Operating examples".

Next/previous folder

You can use the command "*Next folder*" or "*Previous folder*" to skip to the start of the next or previous folder on the current disc and automatically start playback.

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The system starts playback of the corresponding folder.

Disc mode

Skipping tracks forwards/ backwards

You can use the command "*Next track*" or "*Previous track*" to skip to the start of the next or previous track on the current disc and automatically start playback.

▶ Press the 🎛 button on the steering wheel and say the desired command after the signal tone.

 The system starts playback of the corresponding track.

Selecting a track directly

You can use either of the commands "*Track by number*" or "*Track ...(1-99)*" to skip directly to a specific track on the selected disc. Playback of the track starts automatically.
See also "Selecting a track" on page 262 in the section "Operating examples".

Operating examples

Selecting a disc

▶ Press the 🎛 button on the steering wheel.

◀ *Ping*

🗣 "*Disc 3.*"

◀ "*Disc 3.*"

The specified disc is played.

Selecting a track

▶ Press the 🎛 button on the steering wheel.

◀ *Ping*

🗣 "*Track 10.*"

◀ "*Track 10.*"

The specified track is played.

i Phone commands can be used only while a **Bluetooth®** mobile phone is connected to the system, see chapter "Phone", section "Pairing/connecting/disconnecting a mobile phone" on page 153.

Calling up phone mode

▶ Press the 👍 button on the steering wheel and say the command "*Phone on*" after the signal tone.

Phone mode is called up and the appropriate main menu appears on the display.

Phone help

You can use the command "*Phone commands*" to show all the commands that are available for your phone.

▶ Press the 👍 button on the steering wheel and say the command "*Phone commands*".

The teleprompter is opened with the possible commands.
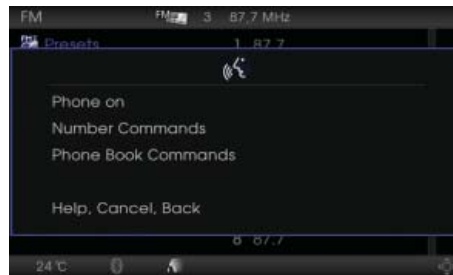
Dialing a number

You can use the command "*Dial number*" to dial a phone number.

Use the numbers "zero" to "nine" to enter the number.

State the phone number in blocks of digits, separated by short pauses. After each sequence of numbers, the voice control system repeats the recognized digits. The recognized digits are also shown on the display.
See also "Dialing a phone number" on page 264 in the section "Operating examples".

Redialing

You can use the command "*Redial*" to redial the last number dialed.

▶ Press the 👍 button on the steering wheel and say the command "*Redial*" after the signal tone.

The system starts redials the corresponding number.

Storing numbers in the phonebook

You can use the command "*Store number*" to store phone numbers in your phone's phonebook.
See also "Storing a number and assigning it to an existing phonebook entry" on page 265 and "Storing a number and creating a new phonebook entry" on page 266 in the section "Operating examples".

Phone mode

Calling a phonebook entry

You can use the command "*Call...*[1]" or
"*Call by name*" to place a call to a party
directly from your phonebook.
See also "Calling a number stored in the
phonebook" on page 264 in the section
"Operating examples".

Operating examples

Dialing a phone number

▶ Press the 🗯 button on the steering
wheel.

◀ *Ping* ⸝

🗣 "*Dial number.*"

◀ "*Dial number.*"
Ping ⸝

❏ A number speller is displayed for
entering the phone number.
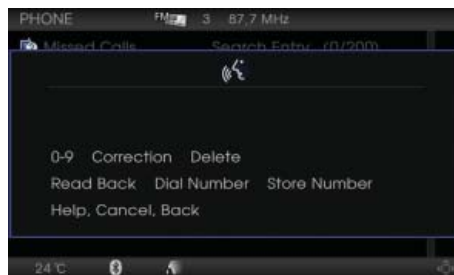
◀ "*Please say the number in groups of
digits.*"
Ping ⸝

🗣 "*1234*"

◀ "*1234*"
Ping ⸝

❏ The teleprompter is opened with the
recognized phone number (1234) in
the first line and the number speller
with some options for numbers.
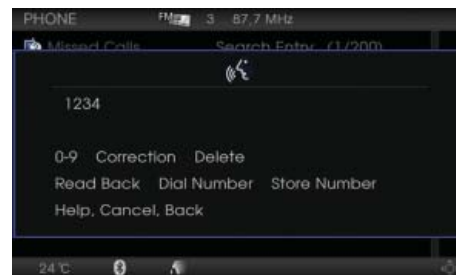
🗣 "*Dial.*"

The phone number is dialed.

Calling a number stored in the phonebook

Option 1

▶ Press the 🗯 button on the steering
wheel.

◀ *Ping* ⸝

🗣 "*Call ...*[2]"

◀ "*Call ...*[3]"

The corresponding number is dialed.

---

1. Name of the phonebook entry

---

2. Name of the phonebook entry
3. Name of the phonebook entry

Option 2

▶ Press the 🔘 button on the steering wheel.

◀ *Ping* ≲

🗣 "*Call by name.*"

◀ "*Call by name.*"

❑ The first page of the phonebook picklist is displayed.

◀ "*Please say the name.*"
Ping ≲

🗣 "*... **"

◀ "*... **"

The selected entry is dialed.

Storing a number and assigning it to an existing phonebook entry

▶ Press the 🔘 button on the steering wheel.

◀ *Ping* ≲

🗣 "*Store number.*"

◀ "*Store number.*"
Ping ≲

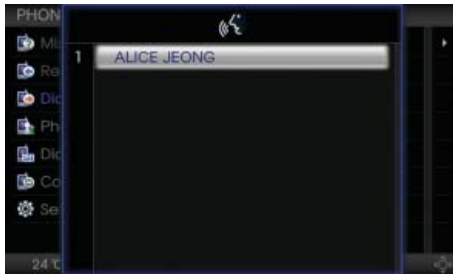❑ A number speller is displayed for entering the phone number.
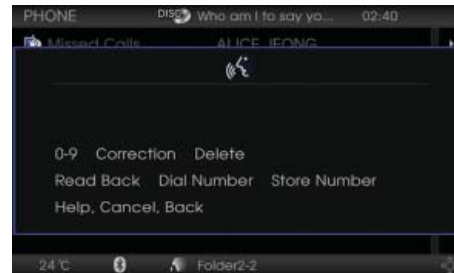
◀ "*Please say the number in groups of digits.*"
Ping ≲

🗣 "*1234*"

◀ "*1234*"
Ping ≲

❑ The teleprompter is opened with the recognized phone number (1234) in the first line and the number speller with some options for numbers.
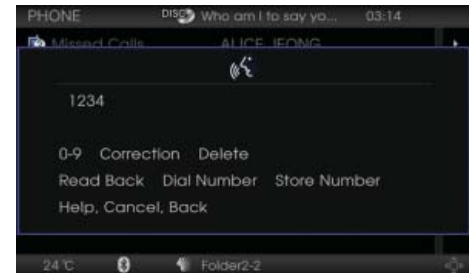
🗣 "*Store number.*"

◀ "Do you want to add the number to an existing entry or create a new one?"
Ping ≲

🗣 "*Add to entry.*" ▶▶

265

Phone mode

❑ The teleprompter is opened with the phonebook picklist.
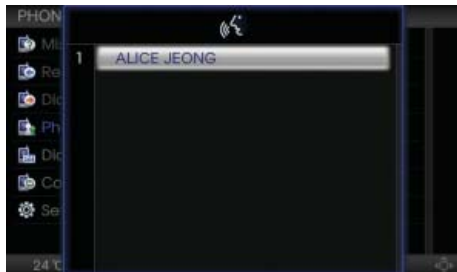
◀ "Please say the name."
Ping ⤸

🗣 "... * "

◀ "... *.
A number was already entered. Do you want to overwrite this number?"

🗣 "*Yes.*"

◀ "*Yes.
The entry was created.*"

Storing a number and creating a new phonebook entry

▶ Press the 🎙 button on the steering wheel.

◀ *Ping* ⤸

🗣 "*Store number.*"

◀ "*Store number.*"
Ping ⤸

❑ A number speller is displayed for entering the phone number.

◀ "*Please say the number in groups of digits.*"
Ping ⤸

🗣 "*1234*"

◀ "*1234*"
Ping ⤸

❑ The teleprompter is opened with the recognized phone number (1234) in the first line and the number speller with some options for numbers.

266

Phone mode
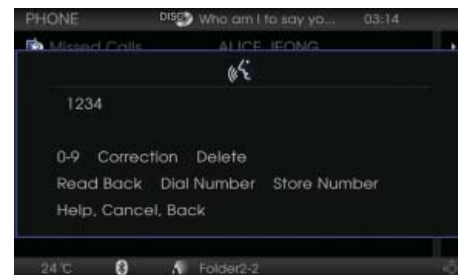
👤 "*Store number.*"

◀ "Do you want to add the number to an existing entry or create a new one?"
Ping ⌇

👤 "*New entry.*"

◀ "*The entry was created.*"

Navigation mode

Calling up navigation mode

▶ Press the 🎙 button on the steering wheel and say the command "*Navigation on*" after the signal tone.

The navigation system is called up and the appropriate main menu appears on the display.

Navigation mode help

You can use the command "*Navigation commands*" to listen to all the commands that are available for your navigation system.

▶ Press the 🎙 button on the steering wheel and say the command "*Navigation commands*" after the signal tone.

The teleprompter is opened with the possible commands.
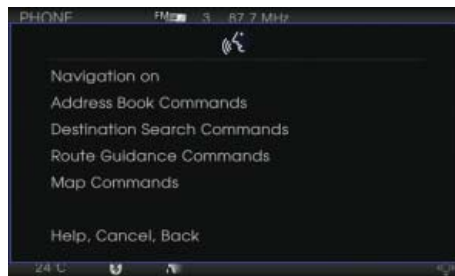
Entering a destination

You have a number of options for entering destinations using the voice control system.

Entering state/province

You can use the command "*Enter state*" or "*Enter province*" to initiate a dialog for entering the state or the province for a destination.

▶ Press the 🎙 button on the steering wheel and say the command "*Enter state*" or "*Enter province*" after the signal tone.

◀ "*Enter state*" or "*Enter province*".

▶ Please continue at "Entering the state or the province" on page 271 in the section "Operating examples".

Entering a city

You can use the command "*Enter city*" to initiate a dialog for entering the city for a destination.

▶ Press the 🎙 button on the steering wheel and say the command "*Enter city*" after the signal tone.

If no state or province has been entered yet:

◀ "*No state or province entered yet*".

▶ Please continue at "Entering the state or the province" on page 271 in the section "Operating examples".

If a state or province has been entered already:

▶ Please continue at "Entering the city" on page 272 in the section "Operating examples".

Entering an address

You can use the command "*Enter address*" to initiate a dialog for entering the address data for a destination.

See also "Entering a destination" on page 271 in the section "Operating examples".

Entering a Point of Interest (POI) via the phone number

You can use the command "*Phone number search*" to initiate a dialog for entering a POI using phone numbers internally stored in the system.
See also "Entering Point of Interest (POI) via the phone number" on page 273 in the section "Operating examples".

Saving current position

You can use the command "*Save current position*" to save the current position as a mark point. See also "Saving the current position" on page 276 in the section "Operating examples".

Entering a destination stored in the Adress Book

You likewise have a number of options for entering destinations using a destination stored in the Address Book.

The following commands are available for this:

◆ "*Navigate to Address Book*" or "*Navigate to ...*[1]"
See also "Entering a destination stored in the address book" on page 274 in the section "Operating examples".

◆ "*Navigate home*" or "*Navigate to office*"
See also "Entering a destination stored in the address book" on page 274 in the section "Operating examples".

◆ "*Navigate to favorite point ...(1-4).*"
See also "Entering a destination stored in the address book" on page 274 in the section "Operating examples".

◆ "*Navigate to previous destination*"
See also "Entering a destination stored in the address book" on page 274 in the section "Operating examples".

Starting route guidance

You can use the command "*Start route guidance*" to start a route guidance session.

▶ Press the 🖐 button on the steering wheel and say the command "*Start route guidance*" after the signal tone.

The route guidance will be started.

---

1. Name of the address book entry

Navigation mode

Stopping route guidance

You can use the commando "*Stop route guidance*" to stop an active route guidance session.

▶ Press the 🎙 button on the steering wheel and say the command "*Stop route guidance*" after the signal tone.

The route guidance will be stopped.

Muting and reactivating navigation announcements

You can mute and reactivate the navigation announcements using the voice control system. The following commands are available for this:

◆ "*Guidance voice off*"

◆ "*Guidance voice on*"

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The system mutes or reactivates the navigation announcements.

Redefining a navigation route

The following commands are available for redefining the route for the route guidance session:

◆ "*Reroute*"

◆ "*Reroute shortest distance*"

◆ "*Reroute minimize freeway*"

◆ "*Reroute minimize toll road*"

◆ "*Reroute shortest time*"

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The route will be redefined.

Setting a detour

You can use the following commands to set a detour for a section of your route:

◆ "*Detour*"

◆ "*Detour 1 mile*" or "*Detour 1 kilometer*"

◆ "*Detour 2 miles*" or "*Detour 2 kilometer*"

◆ "*Detour 5 miles*" or "*Detour 5 kilometer*"

◆ "*Detour 10 miles*" or "*Detour 10 kilometer*"

🛈 The usage of "miles" or "kilometer" depends on the map display setting, see section "Map display settings" on page page 243.

▶ Press the 🎙 button on the steering wheel and say the desired command after the signal tone.

The corresponding detour will be set.

Map display

Calling up the map display

The map display is called up using the command "*Map on*".

▶ Press the 🎙 button on the steering wheel and say the command "*Map on*" after the signal tone.

You will see the map.

After calling up the map, you have various options for adapting it to the current conditions using the voice control system.

Zooming in/zooming out

You can use the commands "*Map zoom in*" and "*Map zoom out*" to set the desired map scale.

▶ Press the 🕹 button on the steering wheel and say the desired command after the signal tone.

The map will be zoomed.

Zooming in completely (city mode)

You can use the command "*Max zoom*" to show a very detailed display of the current position.

▶ Press the 🕹 button on the steering wheel and say the command "*Max zoom*" after the signal tone.

The map will be zoomed accordingly.

Zooming to the entire route

You can use the command "*Display route*" to show the map display with the entire calculated route and the Options menu.

▶ Press the 🕹 button on the steering wheel and say the command "*Display route*" after the signal tone.

You will see the map display with the entire calculated route and the Options menu.

Setting the map orientation

You can use the commands "*Map north up*" or "*Map heading up*" to orient the map either to the north or the direction of travel.

▶ Press the 🕹 button on the steering wheel and say the desired command after the signal tone.

The map orientation changes accordingly.

Switching traffic information on/off

You can use the commands "*Traffic Information On*" or "*Traffic Information Off*" to switch displaying of traffic information on or off.

▶ Press the 🕹 button on the steering wheel and say the desired command after the signal tone.

Operating examples

Entering a destination

▶ Press the 🕹 button on the steering wheel.

◀ *Ping* ⌇

🗣 "*Enter address.*"

◀ "*Enter address.*"

Entering the state or the province

◀ "*Please say the state or province name.*"
Ping ⌇

🗣 "*Michigan*"

◀ "*Michigan*"

❏ The first page of a picklist is displayed for selecting the state or province. ▶▶

Voice control

Navigation mode
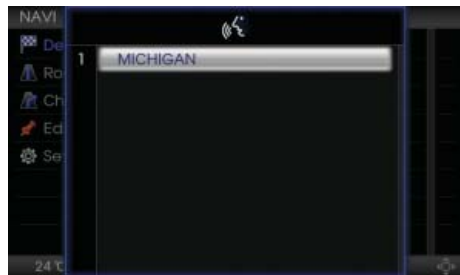
🗣 "*Michigan*"

◀ "*Michigan*"

Entering the city

◀ "*Please say the city name.*"
Ping ⌇

🗣 "*Westland*"

◀ "*Westland*"

❑ The first page of a picklist is displayed for selecting the city.

🗣 "*Westland*"

◀ "*Westland*"

Entering the street

◀ "*Please say the street name.*"
Ping ⌇

🗣 "*Reuther RD*"

◀ "*Reuther RD*"

❑ The first page of a picklist is displayed for selecting the road.

🗣 "*Reuther RD*"

◀ "*Reuther RD*"

If no house numbers are available:

◀ "*Do you want to start the route guidance to ...**?"
Ping ⌇

🗣 "*Yes.* "

The navigation system uses the address as the destination and starts route guidance.

If house numbers are available:

You can enter a house number, see below.

Entering the house number

◀ "*Please say individual numbers from 0 to 9*"

❏ A number speller is displayed for entering the house number.
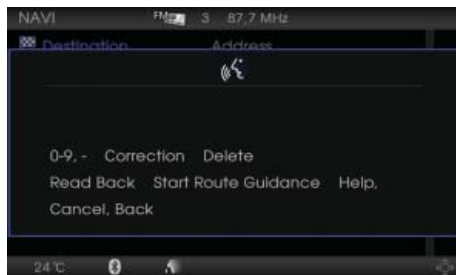
◀ "*Please say the number in groups of digits.*"
Ping ≷

🎤 "*78*"

◀ "*78*"
Ping ≷

❏ A number speller is displayed with the recognized house number (78) in the first line.
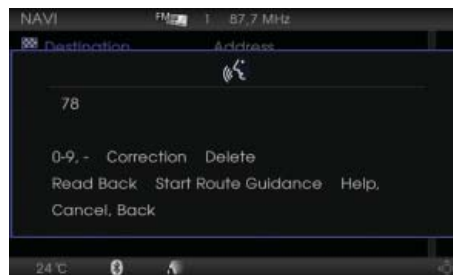
🎤 "*Start route guidance*"

◀ "*Do you want to start the route guidance to ...*?*"
Ping ≷

🎤 "*Yes.* "

The navigation system uses the address as the destination and starts route guidance.

Entering Point of Interest (POI) via the phone number

▶ Press the 🔘 button on the steering wheel.

◀ *Ping* ≷

🎤 "*Phone number search.*"

◀ "*Phone number search.*"

❏ A number speller is displayed for entering the phone number.
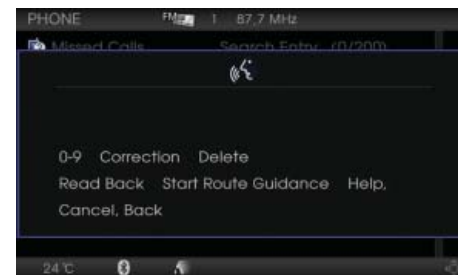
◀ "*Please say the number in groups of digits.*"
Ping ≷

🎤 "*123.*"

◀ "*123.*"
Ping ≷

▶▶

Navigation mode

❑ A number speller is displayed with the first part of the recognized phone number (123) in the first line and the number speller with some options for numbers.
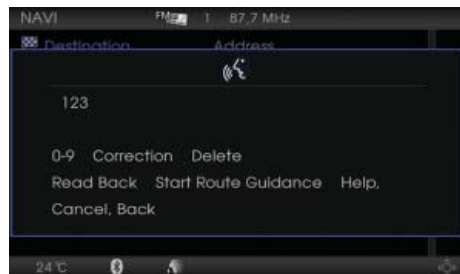
🗣 "*456.*"

◀ "*456.*"
Ping ⸘

❑ A number speller is displayed with the total recognized phone number (123456) in the first line and the number speller with some options for numbers.
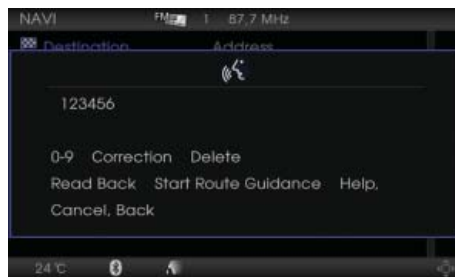
🗣 "*Start route guidance.*"

❑ The entered destination is shown on the map.

◀ "*Do you want to start the route guidance to the entered destination?*"
Ping ⸘

🗣 "*Yes.*"

The navigation system uses the phone number and the corresponding address of the POI as the destination and starts route guidance.

Entering a destination stored in the address book

Option 1

▶ Press the 🖐 button on the steering wheel.

◀ *Ping* ⸘

🗣 "*Navigate to ...*[1]."

◀ "*Navigate to ...*.*"

The navigation system starts route guidance to the address of the selected address book entry.

Option 2

▶ Press the 🖐 button on the steering wheel.

◀ *Ping* ⸘

🗣 "*Navigate home.*" or "*Navigate to office.*"

◀ "*Navigate home.*" or "*Navigate to office.*"

The navigation system starts route guidance to the corresponding address.

---

1. Name of the address book entry

Option 3

▶ Press the 🚶 button on the steering wheel.

◀ *Ping* ⌇

🗣⌇ "*Navigate to favorite point ...(1-4).*"

◀ "*Navigate to favorite point ...(1-4).*"

The navigation system starts route guidance to the corresponding address.

Option 4

▶ Press the 🚶 button on the steering wheel.

◀ *Ping* ⌇

🗣⌇ "*Navigate to Address Book.*"

◀ "*Navigate to Address Book.*"

🖵 The first page of a picklist is displayed for selecting an Address Book entry.

◀ "*Please say the name.*"
Ping ⌇

🗣⌇ "*... * *"

◀ "*... * *"

The navigation system starts route guidance to the selected address book entry.

Entering a destination via the "Previous destinations"

▶ Press the 🚶 button on the steering wheel.

◀ *Ping* ⌇

🗣⌇ "*Navigate to previous destination.*"

◀ "*Navigate to previous destination.*"

🖵 The first page of a picklist is displayed for selecting the right recent destination name.

◀ "*Please say the name.*"
Ping ⌇

🗣⌇ "*... * *"

◀ "*... * *"   ►►

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Navigation mode

◀ "*Do you want to start the route guidance to the entered destination*?" *Ping* ⦚

🗣⦚ "*Yes.* "

The navigation system starts route guidance to the recent destination.

Saving the current position

▶ Press the 🎙 button on the steering wheel.

◀ *Ping* ⦚

🗣⦚ "*Save current position.*"

◀ "*Save current position.*"

The Driver Information System stores the current position as a mark point.

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Group commands

For the help function

"*Help*"

For the main functions

"*Main commands*"

For tuner mode

"*Radio commands*"
"*Station commands*"
"*Frequency commands*"

For disc mode

"*Disc commands*"
"*Select disc commands*"
"*Folder commands*"
"*Track commands*"

For phone mode

"*Phone commands*"
"*Number commands*"
"*Phonebook commands*"

For navigation mode

"*Navigation commands*"
"*Adressbook commands*"
"*Destination search commands*"
"*Route guidance commands*"
"*Map commands*"

Tuner commands

Mode selection commands

"*Radio on*"
"*XM*"

Help command

"*Radio commands*"

Wave band selection commands

"*FM*"
"*AM*"

Station selection commands (FM and AM tuner mode only)

"*Next station*"
"*Previous station*"
"*Seek up*"
"*Seek down*"

Frequency selection commands (FM/AM tuner mode only)

"*FM ...(87.7-107.9)*"
"*AM ...(530-1710)*"

Channel commands (XM® tuner mode only)

"*Next channel*"
"*Previous channel*"
"*Channel ...**"
"*Channel...(1-255)*"
"*Channel by name*"

Disc commands

Mode selection command

"*Disc on*"

Help command

"*Disc commands*"

Disc selection commands

"*Next disc*"
"*Previous disc*"
"*Disc by number*"
"*Disc ...(1-6)*"

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Voice control

Command overview

Folder selection commands

"*Next folder*"
"*Previous folder*"

Track selection commands

"*Next track*"
"*Previous track*"
"*Track by number*"
"*Track ...(1-99)*"

Phone commands

Mode selection command

"*Phone on*"

Help commands

"*Phone commands*"
"*Number commands*"
"*Phonebook commands*"

Dialing commands

"*Dial number*"
"*Redial*"
"*Call by name*"
"*Call ...*[1]"

Storing command

"*Store number*"

Navigation commands

Mode selection command

"*Navigation on*"

Help command

"*Navigation commands*"

Destination entering commands

"*Enter state*"
"*Enter province*"
"*Enter city*"
"*Enter address*"
"*Phone number search*"

Address Book commands

"*Navigate home*"
"*Navigate to office*"
"*Navigate to favorite point ...(1-4)*"
"*Navigate to previous destination*"
"*Navigate to Address Book*"
"*Navigate to ...*[2]"

Storing commands

"*Save current position*"

Route guidance commands

Start or stop route guidance

"*Start route guidance*"
"Stop route guidance"

Route redefining

"*Reroute*"
"*Reroute shortest distance*"
"*Reroute minimize freeway*"
"*Reroute minimize toll road*"
"*Reroute shortest time*"

Detour setting

"*Detour*"
"*Detour 1 mile*" or "*Detour 1 kilometer*"
"*Detour 2 miles*" or "*Detour 2 kilometer*"
"*Detour 5 miles*" or "*Detour 5 kilometer*"
"*Detour 10 miles*" or "*Detour 10 kilometer*"

> **i** The usage of "miles" or "kilometer" depends on the map display setting, see section "Map display settings" on page page 243.

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1. Name of the phonebook entry

2. Name of the address book entry

Navigation announcements

"*Guidance voice off*"
"*Guidance voice on*"

Map commands

"*Map on*"
"*Map zoom in*"
"*Map zoom out*"
"*Max zoom*"
"*Display route*"
"*Map north up*"
"*Map heading up*"

Traffic information commands

"*Traffic Information On*"
"*Traffic Information Off*"

All Screenshots are ok

Info

Opening the Info main menu

ℹ For information on general system operation, please refer to the chapter "Functional introduction" from page 17.

▶ Press the ▣ button.

Either the Phone main menu or the Info main menu appears.

▶ **If the Phone main menu appears:** Press the ▣ button once more.

The Info main menu appears.

Info main menu

Available submenus and functions

◆ Climate, see page 283

◆ Trip Info, see page 283

◆ Car Settings, see page 283

◆ System Settings, see page 287

Climate

ℹ️ You can't operate anything in this menu using the Driver Information System. You must use the corresponding vehicle controls. For further information, please see the Owner's Manual for the vehicle.

▶ In the Info main menu, select the menu item Climate.

You will see various information such as the exterior temperature, the temperature in the front seats and the fan setting.

Trip Info

ℹ️ You can't operate anything in this menu using the Driver Information System. You must use the corresponding vehicle controls. For further information, please see the Owner's Manual for the vehicle.

▶ In the Info main menu, select the menu item Trip Info.

You will see various information such as the distance covered and the average speed.

Car Settings

ℹ️ This function may not be available. It depends on the vehicle equipment.

Opening the Car Settings menu

ℹ️ Opening the Car Settings menu is not possible as soon as the vehicle exceeds a certain speed.
As soon as the vehicle falls below a certain speed, it will be possible again.

▶ Open the Info main menu, see section "Opening the Info main menu" on page 282.

① Info main menu ▶▶

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Info

Info functions

▶ In the Info main menu, select the menu item Car Settings.

① Car Settings menu

The following menu items are available:

- ◆ Auto Door Lock, see page 285
- ◆ Auto Door Unlock, see page 285
- ◆ Seat Easy Access, see page 286
- ◆ Steering Easy Access, see page 286
- ◆ Door Lock Sound, see page 286
- ◆ Key Activate Alarm, see page 286

Car Settings menu while the vehicle is driving

If the Car Settings menu is already opened and the vehicle exceeds a certain speed, the higlight cursor disappears and all menu items are shown in grey color.

Illustration shows the Car Settings menu while the vehicle is standing
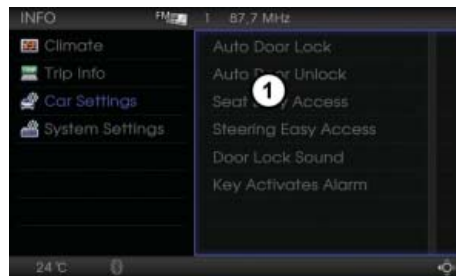
① Car Settings menu
② Highlight cursor

Illustration shows the Car Settings menu while the vehicle is driving

① Car Settings menu without highlight cursor and with menu items shown in grey color

Since all menu items are shown in grey color, none of them can be selected.

ℹ️ You can always use the BACK button to go back to the next higher menu level.

Auto Door Lock

ℹ️ This function automatically locks the doors as soon as a specific condition is met.

▶ Open the Car Settings menu, see section "Opening the Car Settings menu" on page 283.

① Car Settings menu

▶ In the Car Settings menu, select the menu item Auto Door Lock.

The corresponding menu containing the respective setting options appears.
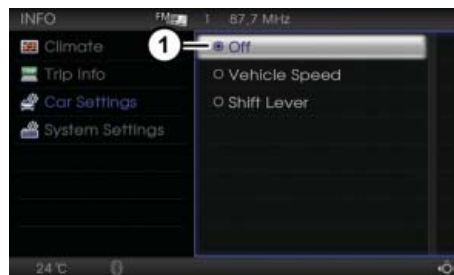
① Icon ⦿ for currently active setting

▶ **To change the setting:** Select another setting.

- ◆ Off = Function is switched off.
- ◆ Vehicle Speed = Doors will be locked as soon as a specific vehicle speed is exceeded.
- ◆ Shift Lever = Doors will be locked as a function of the shift lever position.

Auto Door Unlock

ℹ️ This function automatically unlocks the doors as soon as a specific condition is met.

▶ Open the Car Settings menu, see section "Opening the Car Settings menu" on page 283.

① Car Settings menu

▶ In the Car Settings menu, select the menu item Auto Door Unlock.

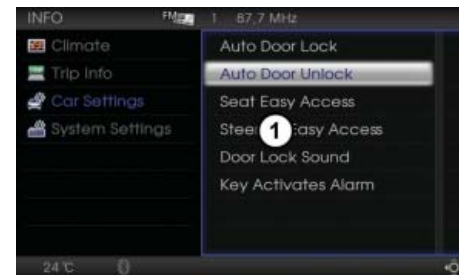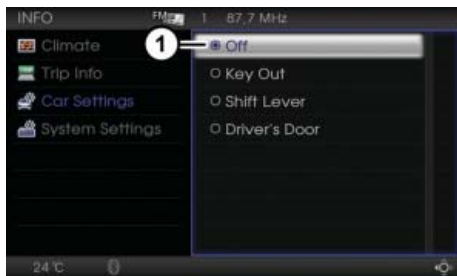The corresponding menu containing the respective setting options appears. ▶▶

285

Info functions

① Icon ◉ for currently active setting

▶ **To change the setting:** Select another setting.

 ◆ Off = Function is switched off.

 ◆ Key Out = Doors will be unlocked as soon as the ignition key is removed from the key holder (vehicles without ignition) or from the ignition (vehicles with ignition).

 ◆ Shift Lever = Doors will be unlocked as a function of the shift lever position.

 ◆ Drivers Door = Doors will be unlocked when the driver's door is unlocked.

All other functions

All other functions can only be switched on or off; therefore, only a summarized description is provided. The individual functions are explained below.
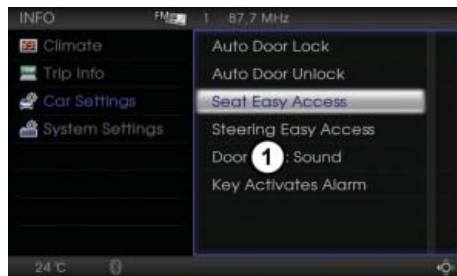
① Car Settings menu

▶ **To select a function:** In the Car Settings menu, select the desired menu item.

 The corresponding menu containing the respective setting options appears. The current setting is identified by the icon ◉.

▶ **To switch the function on or off:** Select the menu item On or Off.

Seat Easy Access

The function Seat Easy Access automatically moves the driver's seat back a little as soon as the vehicle's ignition is switched off. When the ignition is switched back on, the seat moves back to the position you defined.

Steering Easy Access

The function Steering Easy Access automatically moves the steering wheel away from you as the vehicle's ignition is switched off. When the vehicle's ignition is switched on, the steering wheel moves to the position you defined.

Door Lock Sound

When the function Door Lock Sound is switched on, you will hear a signal tone when locking or unlocking the vehicle using the key remote.

Key Activate Alarm

When the function Key Activate Alarm is switched on, the vehicle alarm system will not only be activated when locking the doors using the key remote, but also when locking them using the physical key.

System Settings

Opening the System Settings menu

▶ Open the Info main menu, see section "Opening the Info main menu" on page 282.

① Info main menu

▶ In the Info main menu, select the menu item System Settings.

The System Settings menu appears.

① System Settings menu

The following menu items are available:

- ◆ Display Off, see page 287
- ◆ Language, see page 288
- ◆ Display Dimming, see page 289
- ◆ Display Brightness, see page 289
- ◆ Show voice command, see page 290
- ◆ Confirm voice command, see page 290

Display Off

ℹ You can switch off the front display using this function. Certain vehicle-specific information will continue to be displayed even when the display is switched off. Certain events or the initiation of certain functions will also result in corresponding displays that automatically disappear after a certain time.

Switching the display off

▶ Open the System Settings menu, see section "Opening the System Settings menu" on page 287.

① System Settings menu ▶▶

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Info functions

▶ In the System Settings menu, select the menu item Display Off.

or

▶ Press the **DISPLAY** button on the climate control area of the vehicle.

The display switches off.

Switching the display on

▶ Press the controller ◎.

or

▶ Press one of the following main function buttons:

- ◆ FM AM
- ◆ XM
- ◆ DISC AUX
- ◆ MAP GUIDE
- ◆ NAVI MENU
- ◆ INFO PHONE
- ◆ BACK

or

▶ Press the 📞 button on the steering wheel.

or

▶ Press the **DISPLAY** button on the climate control area of the vehicle.

Language

ℹ️ This function lets you switch the language in the display and the language for the navigation announcements.
The language of the voice control system is independently from this setting. It is always set to the English language.

▶ Open the System Settings menu, see section "Opening the System Settings menu" on page 287.

① System Settings menu

▶ In the System Settings menu, select the menu item Language.

The corresponding menu appears.

① Icon ◉ for currently active setting

▶ **To switch the setting:** Select the other menu item.

Display Dimming

i You can switch control of the display dimming using this function.

① System Settings menu

▶ In the System Settings menu, select the menu item Display Dimming.

The corresponding menu appears.

① Icon ⦿ for currently active setting

▶ **To switch the setting:** Select the other menu item.

◆ Auto Mode:
When the vehicle light is switched off, the display is always at full brightness. When the vehicle light is switched on, the display brightness is set to 67% of the brightness set for day mode.

◆ Day Mode:
When the vehicle light is switched off, the display is always at the brightness set for day mode.
When the vehicle light is switched on, the display brightness is set to 90% of the brightness set for day mode.

i Please see the section "Display Brightness" on page 289 to find out how to set the brightness for day mode.

Display Brightness

i You can use this function primarily to set the display brightness for day mode. However it also influences the display brightness in auto mode. For further information, please refer to the section "Display Dimming" on page 289.

▶ Open the System Settings menu, see section "Opening the System Settings menu" on page 287.
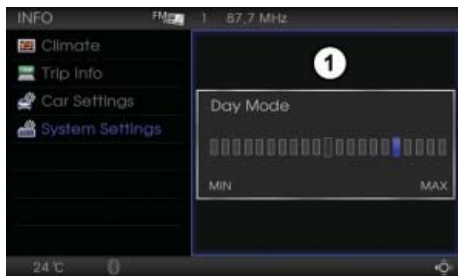

① System Settings menu

▶ In the System Settings menu, select the menu item Display Brightness.

After selecting the menu item Display Brightness, the Brightness Settings menu appears.

Brightness Settings menu

i After the Brightness Settings menu appears, the brightness is always switched to the value shown in the menu, regardless of how the display dimming is set.
After the menu is closed, the brightness is switched back to the value corresponding to the set display dimming.

Info functions

① Brightness Settings menu

▶ **To set the brightness value:** Turn ❪ ❫ the controller ◎ until the desired setting is reached.

▶ **To exit the Brightness menu:** Briefly press the **BACK** button.

The system saves the settings automatically.

Show voice command

ℹ️ The visual help of the voice control system is called teleprompter. It shows available voice commands, see example illustration below.

▶ Open the System Settings menu, see section "Opening the System Settings menu" on page 287.

① System Settings menu

▶ In the System Settings menu, select the menu item Show Voice Command.

The corresponding menu appears.

① Icon ◉ for currently active setting

▶ **To switch the setting:** Select the other menu item.

Confirm voice command

ℹ️ Many commands are repeated by the voice control system when this function is switched on.

① System Settings menu

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▶ In the System Settings menu, select the menu item Confirm Voice Command.

The corresponding menu appears.

① Icon ⊙ for currently active setting

▶ **To switch the setting:** Select the other menu item.

Info functions

i The asterisk * identifies optional equipment.

Rear camera*

General information and operation

General information

The Driver Information System is connected to the rear camera, for the vehicles that are equipped.

Operation

> ⚠ **WARNING**
>
> The camera has a wide angle lens to obtain wider visual field, so the actual distance may be different from that comprehended through the camera.
>
> For safety, always check the front, rear, left, and right of the vehicle.
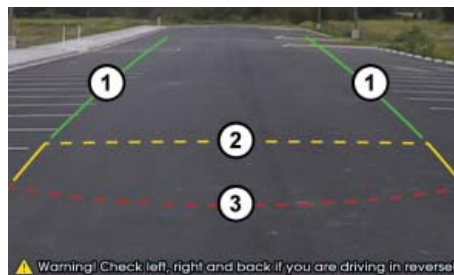
Switching the rear camera view on

ℹ Switching the gear is described in detail in the vehicle's operation manual. Please pay attention to the corresponding descriptions and safety instructions in the vehicle's operation manual.

▶ **To switch the rear camera view on:** Switch the gear in the position of **R**.

  The display of the Driver Information System will switch to the rear camera view.

ℹ The display in the vehicle may may be diiferent from the picture below.

① Green line
② Yellow line
③ Red line

The three lines ①, ② and ③ are showing the following distances, each measured from the rear bumper:

Red line = 50 cm (1.64 ft)
Yellow line = 100 cm (3.28 ft)
Green line = more than 100 cm (3.28 ft)

ℹ While the rear camera view is shown on the display, pressing the button **MODE** on the steering wheel will toggle through the available audio/video sources in the background.

Switching the rear camera view off

ℹ Switching the gear is described in detail in the vehicle's operation manual. Please pay attention to the corresponding descriptions and safety instructions in the vehicle's operation manual.

ℹ The rear camera view will automatically switch off if the gear is switched to position D and the vehicle exceeds a certain speed.

▶ While the rear camera view is displayed, switch the gear to any position except of **R** and **D**.

   The display will return to the normal view.

i Pressing one of the main function buttons (e.g. button ▄█▀) on the central control panel may also switch the rear camera view off.

General information and operation

Appendix

Technical data

Head unit

Dimensions (W x H x D)

Double DIN
W178 mm (7") x H104 mm (4.1") x
D204 mm (8")

Weight

2.5 kg (5.51 lbs)

Power consumption

Quiescent current (Head unit in sleep
mode): 2.3 mA

Average supply current: 2.3 A

Antenna type

XM® Satellite Radio and GPS:
Roof mounted antenna.

FM/AM: Integrated glass antenna

Radio

Reception range FM

87.9 - 107.9 MHz, 200 kHz step

Reception range AM

530 - 1710 kHz, 10 kHz step

Display

Size (active area, W x H)

174 mm (6.85") x 104.4 mm (4.11")

Diagonal size

202.9 mm (8")

Number of pixels

800 x 480

LCD type

Active matrix Liquid Crystal Display (LCD)
using amorphous silicon thin film transistor
(TFT).

Viewing angle

Bottom side: 60°

Top side: 30°

Left and right side: 45°

Common

Operating voltage range

10 V - 15 V (typically 12 V)

Temperature range for usage and storage

-40° C (-40° F) - +80° C (+176° F)

Operating humidity range

0 - 95%