FCC ID: AJDK048
MODEL NO.: AVH-P8400BH
IC: 775E-K048
This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
The antenna for Bluetooth cannot be removed (or replaced) by user.
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

**Note**
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

■

## Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

## The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving. Over time, your hearing "comfort level" adapts to higher volumes of sound, so what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

**ESTABLISH A SAFE LEVEL:**
- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

**BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:**
- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas. ▣

# About this unit

The tuner frequencies on this unit are allocated for use in North America. Use in other areas may result in poor reception.

## ⚠ WARNING

Handling the cord on this product or cords associated with accessories sold with the product may expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defect or other reproductive harm. ***Wash hands after handling.***

> CAUTION:
> **USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**
> CAUTION:
> **THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.**

## ⚠ CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- Keep this manual handy for future reference.
- Always keep the volume low enough to hear outside sounds.
- Avoid exposure to moisture.
- If the battery is disconnected or discharged, any preset memory will be erased.

### ⊖ Important (Serial number)

The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

# DVD video disc region numbers

Only DVD video discs with compatible region numbers can be played on this player. You can find the region number of the player on the bottom of this unit and in this manual (refer to *Specifications* on page 111). ▣

# About this manual

This unit features a number of sophisticated functions to ensure superior reception and operation. All the functions have been designed for the easiest possible use, but many are not self-explanatory. This operation manual will help you benefit fully from this unit's potential and to maximize your listening enjoyment. We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this unit. It is especially important that you read and observe **WARNING**s and **CAUTION**s in this manual. ▣

## Operating environment

This unit should be used within the temperature ranges shown below.
Operating temperature range: 14 °F to 140 °F
EN300328 ETC test temperature: –4 °F and 131 °F ◼

## After-sales service for Pioneer products

Please contact the dealer or distributor from where you purchased this unit for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below:
Please do not ship your unit to the companies at the addresses listed below for repair without advance contact.

---

**U.S.A.**
Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760
Long Beach, CA 90801-1760
800-421-1404
**CANADA**
Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION DEPARTMENT
340 Ferrier Street
Unit 2
Markham, Ontario L3R 2Z5, Canada
1-877-283-5901
905-479-4411

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For warranty information please see the Limited Warranty sheet included with this unit. ◼

## Visit our website

Visit us at the following site:
**http://www.pioneerelectronics.com**
in Canada

**http://www.pioneerelectronics.ca**
1  Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
2  Receive updates on the latest products and technologies.
3  Download owner's manuals, order product catalogues, research new products, and much more.
4  Your feedback is important in our continual effort to design and build the most advanced, consumer-focused product in the industry.
**Serial number**

◼

## Adjusting the response positions of the touch panels (Touch Panel Calibration)

If you feel that the touch panel keys on the screen deviate from the actual positions that respond to your touch, adjust the response positions of the touch panel. Refer to *Adjusting the response positions of the touch panels (Touch Panel Calibration)* on page 74. ◼
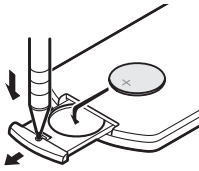
## Use and care of the remote control

### Installing the battery

Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (–) poles aligned properly.
•  When using for the first time, pull out the film protruding from the tray.

# Before you start



## ⚠ WARNING
- Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

## ⚠ CAUTION
- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.
- "Perchlorate Material – special handling may apply.
  See www.dtsc.ca.gov/hazardouswaste/perchlorate. (Applicable to California, U.S.A.)"

## Using the remote control
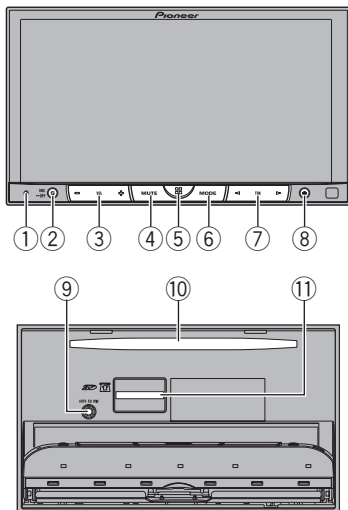Point the remote control in the direction of the front panel to operate.
- The remote control may not function properly in direct sunlight.

### 🔄 Important
- Do not store the remote control in high temperatures or direct sunlight.

- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal. ▪

# What's what

## Head unit





| | Part | | Part |
|---|---|---|---|
| ① | **RESET** | ⑦ | ◄/► (**TRK**) |
| ② | **SRC/OFF** | ⑧ | ▲ (eject)<br>Refer to *Ejecting a disc* on page 17.<br>Refer to *Ejecting an SD* on page 18.<br>Refer to *Adjusting the LCD panel angle* on page 17.<br>Refer to *Removing the front panel* on page 18. |
| ③ | **+/−** (**VOLUME/ VOL**) | ⑨ | Auto EQ microphone input jack<br>Use to connect an auto EQ microphone. |
| ④ | **MUTE** | ⑩ | Disc loading slot |

| | Part | | Part |
|---|---|---|---|
| ⑤ | **HOME**<br>Displaying the **HOME** display.<br>The display returns to the Launcher screen while a 3rd-party application is being used in Advanced App Mode.<br>Doubleclicking the icon on the Launcher screen returns the display to the **HOME** display. | ⑪ | SD memory card slot |
| ⑥ | **MODE**<br>Turning the information display off. | | |

## ⚠ CAUTION
- Do not use unauthorized products.
- When inserting an SD card into the card slot, make sure that the label is facing up and press the card until it clicks and completely locks into place.

### Notes
- When the navigation system is connected, press **MODE** to switch to the navigation display. Press **MODE** and hold to turn the display off.
  Press **MODE** again to turn the display on.
- For details on how to operate a navigation system from this unit, refer to its operation manual.
- When an iPhone that is running an application that supports Advanced App Mode is connected, press **MODE** to switch to the application display. You can use the application by touching the display.
- About the way to connect the USB portable audio player/USB memory to this unit, refer to *When connecting with optional CD-IU201V cable* on page 84. ◼

What's what

# Remote control
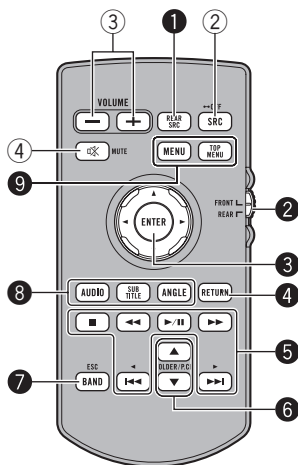


| Part | Operation |
|------|-----------|
| ❶ **REAR SRC** | Press to cycle through all the available rear sources. Press and hold to turn the rear source off. |
| ❷ Source mode select switch | Use to switch the source mode between the front source and the rear source. |
| ❸ Thumb pad | Use to select a menu on the DVD menu. |
| ❹ **RETURN** | Press to display the PBC (playback control) menu during PBC playback. |

| Part | Operation |
|------|-----------|
| ▶/❙❙ | Press to pause or resume playback. |
| ◄◄ | Press to perform fast reverse. Press to change the fast reverse speed. |
| ►► | Press to perform fast forward. Press to change the fast forward speed. |
| ❺ ❙◄◄ | Press to return to the previous track (chapter). |
| ►►❙ | Press to go to the next track (chapter). |
| ■ | Press to stop playback. If you resume playback, playback will start from the point where you stopped. Touch the key again to stop playback completely. |
| ❻ ▲/▼(**FOLDER/P.CH**) | Press to select the next/previous disc/folder. Press to recall radio station frequencies assigned to preset tuning keys. |
| ❼ **BAND/ESC** | Press to select the tuner band when tuner is selected as a source. Also used to cancel the control mode of functions. Press to switch between modes when playing from discs or external storage devices(USB, SD) with compressed audio and audio data (CD-DA) such as with CD-EXTRA and MIXED-MODE CDs. |

| | Part | Operation |
|---|---|---|
| ❽ | **AUDIO** | Press to change the audio language during DVD playback. Press to switch audio output for DivX/MPEG-4. |
| | **SUBTITLE** | Press to change the subtitle language during DVD/DivX/MPEG-4 playback. |
| | **ANGLE** | Press to change the viewing angle during DVD playback. |
| ❾ | **MENU** | Press to display the DVD menu during DVD playback. |
| | **TOP MENU** | Press to return to the top menu during DVD playback. |

◘

# Basic operations

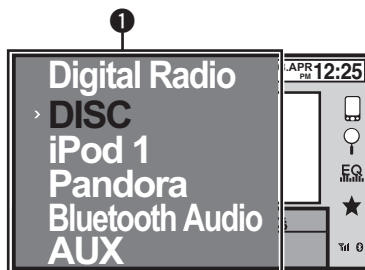**HOME display (Front)**
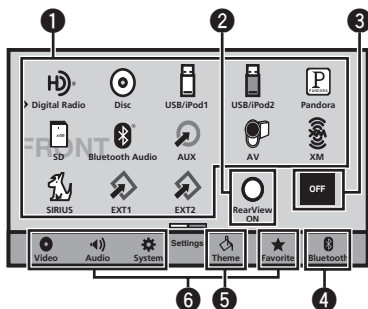


**HOME display (Rear)**
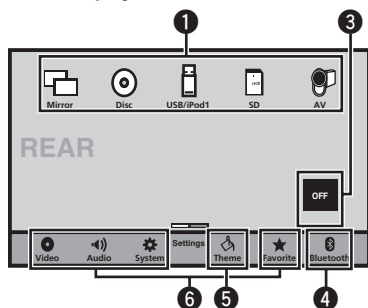


Flick/drag the icon to switch between Front and Rear for **HOME** display. Make sure to touch the display to flick/drag them.
The following section describes how to switch the output source for the rear monitor. Refer to *Setting rear monitor output* on page 74.

**Source off display**
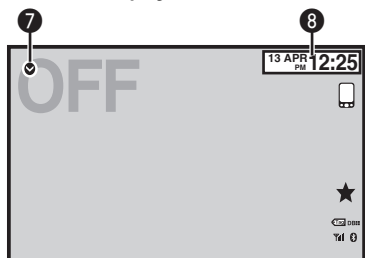


**Source on display**



**Touch panel keys**

| | | |
|---|---|---|
| ❶ | Digital Radio / HD Digital Radio | Source icon Selecting a favorite source. When the source icon is not displayed, it can be displayed by pressing the home key or touching ⊙. |
| ❷ | RearView ON | Displaying the rear view image by turning the rear view image on. When the rear view image is displayed, you can switch to the source display by touching the display. You can operate from the source display temporarily at this time. If you do not perform any operations within a few seconds, the display will return to the rear view image. To turn off the rear view image, press **HOME** to return to the **HOME** display and then press the touch key again. This unit can be setup to display the rear view image automatically when you move the shift lever to the **REVERSE (R)** position. For details about the settings, refer to *Setting the rear view camera (back up camera)* on page 65. |
| ❸ | OFF | Turning the source off. |

# Basic operations

| | | |
|---|---|---|
| ➍ | 🅱 **Bluetooth** | Displaying the Bluetooth connection menu. Refer to *Introduction of Bluetooth connection menu operations* on page 70. |
| ➎ | **Theme** | Displaying the **Theme** menu. Refer to *Introduction of* **Theme** *setting menu operations* on page 72. |
| ➏ | ⏺ Video   ◀) Audio  ⚙ System   ★ Favorite | Displaying the menu. Refer to *Menu operations* on page 55. |
| ➐ | ⌄ | Displaying the source menu. |
| ➑ | 13 APR PM **12:25** | Switching to clock adjustment display. Refer to *Setting the clock* on page 19. |

Switching to **HOME** display
1 Press **HOME** when you want to switch the display.

Turning the source on using the buttons
1 Press **SRC/OFF** to turn the source on.

Turning the source off using the buttons
1 Press **SRC/OFF** and hold until the source turns off.

Selecting a source using the buttons
1 Press **SRC/OFF** to cycle through the sources listed below:
Selecting a source using the touch panel keys
1 Touch the source icon and then touch the desired source name.
• **XM** – XM tuner
• **SIRIUS** – SIRIUS tuner
• **Radio** – Built-in Digital Radio tuner
• **Disc** – Built-in DVD player
• **USB/iPod 1** – USB/iPod 1
• **USB/iPod 2** – USB/iPod 2
• **Pandora** – Pandora® internet radio
• **SD** – SD memory card
• **Bluetooth Audio** – Built-in Bluetooth audio
• **AUX** – AUX
• **AV** – AV input
• **EXT 1** – External unit 1
• **EXT 2** – External unit 2
• When the source icon is not displayed, it can be displayed by touching the screen.
• While operating the menu, you cannot select a source by touching the source icon.

Adjusting the volume
1 Press **+**/**–** (**VOLUME/VOL**) to adjust the volume.

## Notes
• In this manual, iPod and iPhone will be referred to as "iPod".
• The **USB/iPod 1** or **USB/iPod 2** icon will change as follows:
  — **USB 1** is displayed when a USB storage device is connected to USB input 1.
  — **iPod 1** is displayed when an iPod is connected to USB input 1.
  — **USB 2** is displayed when a USB storage device is connected to USB input 2.
  — **iPod 2** is displayed when an iPod is connected to USB input 2.
  — **STEEZ** is displayed when a **STEEZ PORTABLE** (Pioneer product) is connected to USB input 1 or USB input 2.
  — **USB/iPod 1** or **USB/iPod 2** is displayed when no device is connected.

• An external unit refers to a Pioneer product, such as those which will be available in the future. Although incompatible as a source, the basic functions of up to two external units can be controlled with this unit. When two external units are connected, the external units are automatically allocated to external unit 1 or external unit 2. ■

## USB/iPod 1 and USB/iPod 2

This unit has **USB/iPod 1** and **USB/iPod 2** sources.
In **USB/iPod 2**, the following functions are not available.
— Pandora
— Advanced App Mode
— Rear monitor output ■

## Operating the scroll icon and the scrubber bar

① Scroll icon
  Appears when selectable items are hidden.
② Scrubber bar
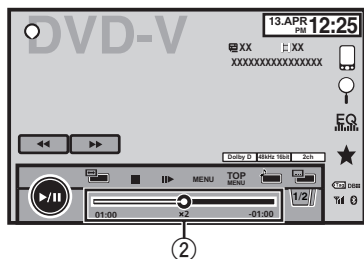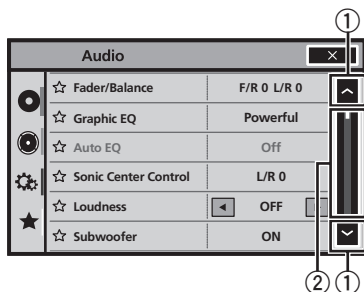  Appears when items cannot be displayed on a single page only.

Viewing the hidden items
1 Touch the scroll icon or drag the scrubber bar to view any hidden items.
• Also, you can drag the list to view any hidden items.

Specifying the playback point
1 Drag the scrubber bar on the screen.
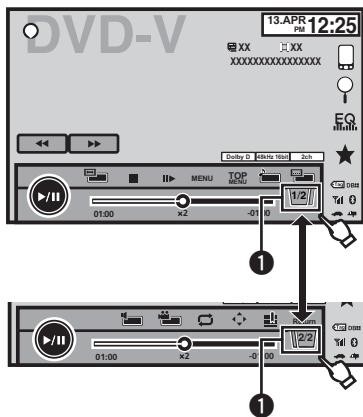(Not available when the scrubber bar is grayed out.)

■

## Basic operations

# Activating the touch panel keys



**Touch panel keys**

| | |
|---|---|
| ❶ | 1/2<br>2/2<br>Switching the touch keys on the display. |

▣

# Common operations for menu settings/lists
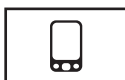
| | |
|---|---|
| | Starting the Bluetooth telephone menu.<br>Refer to *Introduction of Bluetooth telephone operations* on page 37. |
| | Displaying the list menu.<br>Starting the search function. |

| | |
|---|---|
| | Displaying the EQ (Audio function menu).<br>Refer to *Using the equalizer* on page 56. |
| ★ | Displaying the Favorite menu.<br>Refer to *Favorite menu* on page 69. |

▣

# Adjusting the LCD panel angle
## ⚠ CAUTION
Keep hands and fingers clear of the unit when opening, closing, or adjusting the LCD panel. Be especially cautious of children's hands and fingers.

**1   Press ⏏(eject) to display the ejecting menu.**

**2   Adjust the LCD panel to an easily viewable angle.**

| | |
|---|---|
| | Laying the panel down. |
| | Returning the panel to the upright position. |

▪ As the set angle is saved, the LCD panel will automatically be adjusted to the same position the next time the LCD panel is opened. ▣

# Ejecting a disc
## ⚠ CAUTION
Keep hands and fingers clear of the unit when opening, closing, or adjusting the LCD panel. Be especially cautious of children's hands and fingers.

**1   Press ⏏(eject) to display the ejecting menu.**

Basic operations

**2 Eject a disc.**



Ejecting a disc.

■

## Ejecting an SD

**1 Press ▲(eject) to display the ejecting menu.**

**2 Eject an SD.**



Ejecting an SD.

**3 Press an SD to eject.** ■

## Removing the front panel

### ⚠ CAUTION

• Do not attempt to detach the front panel while DISC/SD is in the eject position.
• Do not attempt to detach the front panel while data is being written to USB/SD.
  Doing so may cause the data to become corrupted.
• After the front panel has been detached, the attaching plate will move back to its original position automatically.
  Be careful not to let hands or other objects get caught behind the monitor as it is moving back.
• Please make sure that the front panel is in its original position while the vehicle is in motion.
  It is dangerous to drive with the front panel sticking out.
• Do not place beverages or other objects on top of the front panel while it is fully open.

### ⟳ Important

• Handle gently when removing or attaching the front panel.

• Avoid subjecting the front panel to excessive shock.
• Keep the front panel out of direct sunlight and high temperatures.
• If removed, replace the front panel on the unit before starting up your vehicle.

**1 Press ▲ (eject) to release the front panel.**

**2 Touch the detach key.**



The front panel automatically slides toward you.

**3 Slide the dial at the bottom of the front panel to the right, and lift up the front panel while pushing down on the dial.**
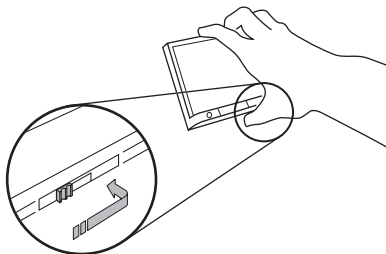


**4 Put the front panel into the provided protective case for safe keeping.** ■

## Attaching the front panel

**1 Slide the front panel into the top of the unit and push it into place.**
Slide the inserter on the front panel into the insertion slot on top of the unit and push it into place.

**2 Push on the bottom of the front panel until it clicks into place.**



## Setting the clock

**1 Switch to Clock Adjustment display.**
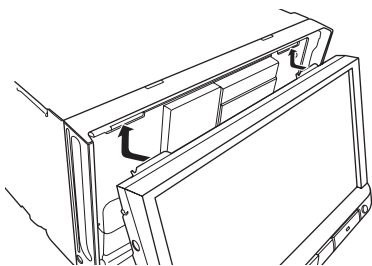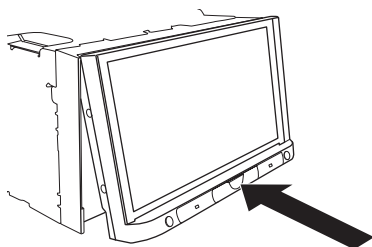Refer to *Basic operations* on page 14.

**2 Select the item to set.**

**3 Touch ▲ or ▼ to set the correct date and time.** ▣

## Resetting the microprocessor

By pressing **RESET**, you can reset the microprocessor to its initial settings without changing the bookmark information.
The microprocessor must be reset in the following situations:
• Before using this unit for the first time after installation
• If the unit fails to operate properly

• When strange or incorrect messages appear on the display

**1 Turn the ignition switch OFF.**

**2 Press RESET with a pen tip or other pointed instrument.**
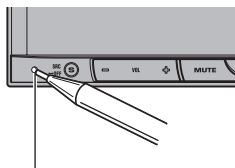


**RESET** button

### Note
Switch your engine ON or set the ignition switch to ACC ON before pressing **RESET** in the following situations:
• After completing connections
• When erasing all stored settings
• When resetting the unit to its initial (factory) settings ▣

## Demo mode

The feature demo automatically starts when you select **Off** for the source and continues while the ignition switch is set to ACC or ON. To cancel the feature demo, press and hold **MUTE**. Press and hold **MUTE** again to restart. Operating the feature demo while the car engine is turned off it may drain the battery power.

### Important
Failure to connect the red lead (ACC) of this unit to a terminal coupled with ignition switch on/off operations may lead to battery drain. ▣

# About HD Radio™ broadcasting

HD Radio™ broadcasting is high quality audio and data services. HD Radio broadcasting is brought to you by your local FM/AM stations. HD Radio broadcasting features the following:
• High quality audio
• FM multicasting
• Data services

AM band
┌── Analog AM
│
├── Analog AM ─── Digital AM
⋮

FM band
┌── Analog FM
│
├── Analog FM ─── Digital FM
│
├── Analog FM ─┬── Digital FM-1ch
⋮             │
              ├── Digital FM-2ch
              │
              └── Digital FM-3ch

**PSD** )

Program Service Data: Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.
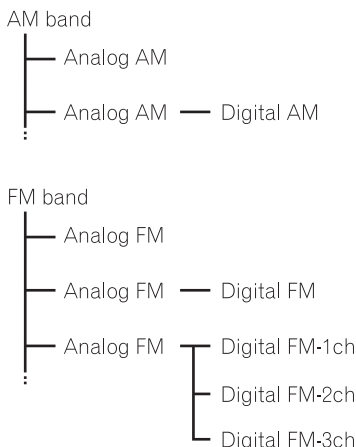
**HD2/HD3** )

Adjacent to traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.

**Digital Sound** )

Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.

**iTunes® Tagging** )
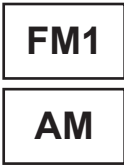
iTunes® Tagging provides you the opportunity to discover a wide range of content and the means to "tag" that content for later review and purchase from the iTunes® Store.
■

# Introduction of HD Radio tuner operations
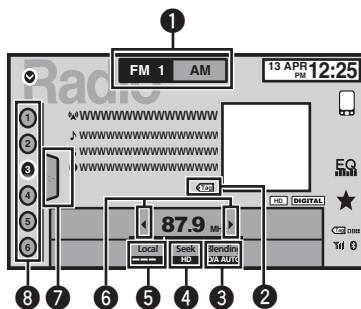


## Touch panel keys

| | |
|---|---|
| ❶ | **FM1** / **AM** — Selecting a band (FM or AM) by touching the band key. The touch panel key for the selected band is highlighted. Switching between **FM1**, **FM2**, and **FM3** by touching the band key. When **AM** is selected, you cannot switch to another **AM** band by touching the band key. |
| ❷ | **Tag** — Saving song information (tag) from the broadcasting station to your iPod. Refer to *Using iTunes tagging* on page 39. |
| ❸ | **Blending D/A AUTO** / **Blending ANALOG** — Switching to the analog broadcast of the same frequency. Refer to *Switching the reception mode* on page 51. |

# HD Radio™ tuner

| | | |
|---|---|---|
| ❹ | **Seek** / ALL / **Seek** / HD | Switching between Digital broadcasting station seek and normal seek. Refer to *Switching the seek mode* on page 51. |
| ❺ | **Local** | Setting the local seek level. Refer to *Tuning in to strong signals* on page 39. |
| ❻ | ▶ / ◀ | Tuning up or down manually. Touch and hold for more than two seconds to skip stations. Seek tuning starts as soon as you release. Touch again to cancel seek tuning. • When an analog station is received, tuning down operation is conducted within the analog broadcasting. (⑥ → ②) • If a digital broadcast is not yet received, tuning-up operation tunes in the next analog station. (② → ⑥) |
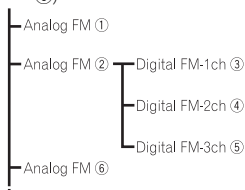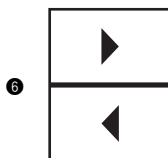
```
├─ Analog FM ①
│
├─ Analog FM ② ─┬─ Digital FM-1ch ③
│               │
│               ├─ Digital FM-2ch ④
│               │
│               └─ Digital FM-3ch ⑤
│
├─ Analog FM ⑥
┊
```

| | |
|---|---|
| ❼ | Displaying the preset channel list. Refer to *Storing and recalling stations* on page 39. Refer to *Storing the strongest stations* on page 39. |
| ❽ | Select a preset channel. |

Switching preset channels using the buttons
1 Press ◀ or ▶ (**TRK**).

Seek tuning using the buttons
1 Press and hold ◀ or ▶ (**TRK**).

## Note

Touch panel keys not listed under *Introduction of HD Radio tuner operations* may appear on the display.
Refer to *Indicator list* on page 98. ▣

## Introduction of XM/SIRIUS tuner operations

**SIRIUS tuner**



**XM tuner**



You can use this unit to control an XM satellite digital tuner (GEX-P920XM), which is sold separately.
You can use this unit to control a SIRIUS Satellite Radio tuner, which is sold separately.
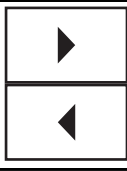
For details concerning operation, refer to the XM tuner's operation manuals. This section provides information on XM operations with this unit which differs from that described in the XM tuner's operation manual.
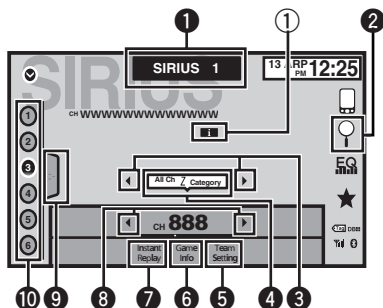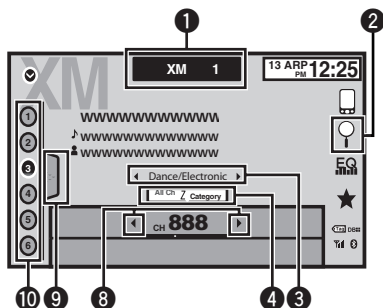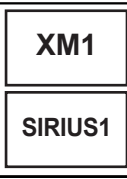When the SIRIUS tuner is used together with this unit, some operations differ slightly from those described in the SIRIUS operation manual. This manual provides information on these points. For all other information on using the SIRIUS tuner, please refer to the SIRIUS operation manual.

- With this unit, you can operate one additional function: XM/SIRIUS channel direct selection. Refer to *Selecting an XM/SIRIUS channel directly* on page 49.

**Touch panel keys**

| | | |
|---|---|---|
| ❶ | **XM1** / **SIRIUS1** | Selecting a band (**XM1**, **XM2** or **XM3**) for XM tuner. Selecting a band (**SIRIUS1**, **SIRIUS2** or **SIRIUS3**) for the SIRIUS tuner. |
| ❷ | ⌕ | Displaying the preset channel list. Refer to *Storing and recalling stations* on page 39. Selecting a channel directly. Refer to *Selecting an XM/SIRIUS channel directly* on page 49. Selecting a channel from the XM channel list. Refer to *Selecting a channel from the XM channel list display* on page 49. |
| ❸ | ▶ / ◀ | Selecting a channel or category. Refer to *Switching the XM/SIRIUS channel selection mode* on page 48. |
| ❹ | All Ch ⁄ Category | Selecting a channel category. |
| ❺ | **Team Setting** | Selecting teams for game alert on the SIRIUS tuner. Refer to *Selecting teams for Game Alert* on page 49. |
| ❻ | **Game Info** | Displaying information on games for the SIRIUS tuner. Refer to *Displaying game information* on page 50. |
| ❼ | **Instant Replay** | Selecting a track, fast forwarding/reversing or pausing/playing for the SIRIUS tuner. Refer to *Using the Instant Replay function* on page 51. |

|  | Recalling radio station frequencies assigned to preset tuning keys.<br>Refer to *Storing and recalling stations* on page 39.<br>Selecting the channel category when selecting **Mode Category**.<br>Refer to *Switching the XM/SIRIUS channel selection mode* on page 48 and *Selecting a SIRIUS channel from a channel category* on page 49. |
|---|---|
| ⑧ | |
| ⑨ | Displaying the preset channel list.<br>Refer to *Storing and recalling stations* on page 39. |
| ⑩ | Recalling the preset channels by touching the key.<br>Storing the current station in the preset channel list by touching and holding the key. |
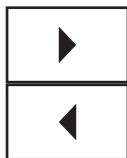
### SIRIUS tuner information

| ① | Switching the SIRIUS information.<br>Refer to *Switching the SIRIUS display* on page 51.<br>Touch and hold for more than two seconds to scroll the text. |
|---|---|

Manual tuning (step by step) using the buttons
1 Press ◀ or ▶ (**TRK**).

Seek tuning using the buttons
1 Press and hold ◀ or ▶ (**TRK**).

### Notes

• You can also perform tuning from a desired channel category. (Refer to *Selecting a SIRIUS channel from a channel category* on page 49.)
• Touch panel keys not listed under *Introduction of XM/SIRIUS tuner operations* may appear on the display.
Refer to *Indicator list* on page 98. ▣

XM/SIRIUS tuner

# Playing moving images

## Introduction of video playback operations

You can view DVD/DVD-R/DVD-RW/CD/CD-R/CD-RW/USB/SD/iPod.
- Depending on your iPod, there may not be any output unless you use CD-IU201S/CD-IU201V (sold separately). Be sure to use CD-IU201S/CD-IU201V to connect your iPod.

**DVD video**
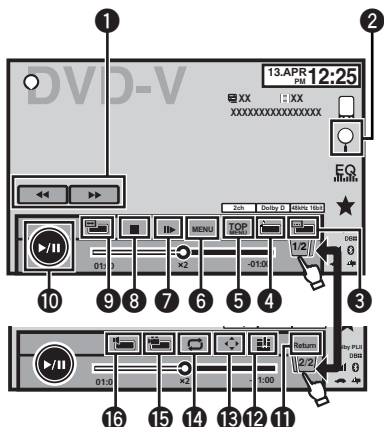


**Video CD**
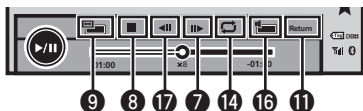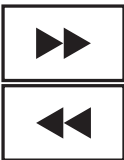


**iPod video**
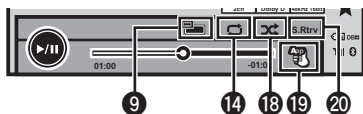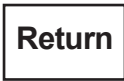


**When playing a disc containing a mixture of various media file types**



**Touch panel keys**

| | | |
|---|---|---|
| ❶ |  | Fast forwarding or reversing Press to change the fast forward and reverse speed. |
| ❷ |  | Starting the search function. Refer to *Searching for the part you want to play* on page 44. Refer to *Selecting files from the file name list* on page 46. Displaying iPod menus. Refer to *Playing videos from your iPod* on page 42 and *Browsing for a video/music on the iPod* on page 43. |
| ❸ |  | Switching between subtitle languages during playback. Refer to *Changing the subtitle language during playback (Multi-subtitle)* on page 45. |
| ❹ |  | Switching between languages/audio systems during playback. Refer to *Changing audio language during playback (Multi-audio)* on page 45. |
| ❺ | TOP MENU | Returning to the top menu during DVD playback. |
| ❻ | MENU | Displaying the DVD menu during DVD playback. Refer to *Operating the DVD menu* on page 40. |
| ❼ |  | Moving ahead one frame at a time during playback. Refer to *Frame-by-frame playback* on page 44. Touch and hold for more than two seconds to slow down playback speed. Speeding up the playback speed in four steps during slow motion playback on DVD video/Video CD. |

# Playing moving images

| ⑧ | | Stopping playback. If you resume playback, playback will start from the point where you stopped. Touch the key again to stop playback completely. |
|---|---|---|
| ⑨ | | Changing the screen mode. Refer to *Changing the wide screen mode* on page 48. |
| ⑩ | ▶/❚❚ | Pausing playback. Returning to normal playback during paused, slow motion, or frame-by-frame playback. |
| ⑪ | **Return** | Returning to the specified scene to which the DVD currently being played has been preprogrammed to return. Refer to *Return to the specified scene* on page 45. |
| ⑫ | | During playback, touch the point at which you want to resume playback the next time the disc is loaded. Refer to *Resume playback (Bookmark)* on page 44. |
| ⑬ | | Displaying arrow keys to operate the DVD menu. Refer to *Using the arrow keys* on page 40. |
| ⑭ | | Selecting the repeat range. Refer to *Repeating playback* on page 41. |
| ⑮ | | Switching among viewing angles during playback. Refer to *Changing the viewing angle during playback (Multi-angle)* on page 45. |
| ⑯ | | Switching the audio output, when playing video discs recorded with LPCM audio. Refer to *Selecting audio output* on page 45. |
| ⑰ | ◀❚❚ | Speeding down the playback speed in four steps, during slow motion playback on DVD video/Video CD. |

| ⑱ | | Playing the video on your iPod in a random order. Refer to *Random play (shuffle)* on page 41. |
|---|---|---|
| ⑲ | App | Conducting operation from your iPod and listening to it using your car's speakers. Refer to *Operating this unit's iPod function from your iPod* on page 41. |
| ⑳ | **S.Rtrv** | Switching the **S.Rtrv** (sound retriever) function setting when playing audio. Refer to *Using sound retriever* on page 46. |
| ㉑ | Media | Switching between media file types to play on DVD/CD/USB/SD. Refer to *Switching the media file type* on page 40. |
| ㉒ | aa | Adjusting the images on the display. For details, refer to *Setting the Advanced Display Resolution* on page 47. |

Playing moving images

Playing back videos
1 Insert the disc into the disc loading slot with the label side up.
Playback will automatically start.
• If you are playing a DVD or Video CD, a menu may appear. Refer to *Operating the DVD menu* on page 40 and *PBC playback* on page 46.
• When the automatic playback function is on, the unit will skip the DVD menu and automatically start playback from the first chapter of the first title. Refer to *Automatic playback of DVDs* on page 62.
• While an iPod is connected to this unit, **PIONEER**, **Accessory Attached** or ✓ (check mark) is displayed on the iPod.
• When the source icon is not displayed, it can be displayed by touching the screen.
• Disconnect headphones from the iPod before connecting it to this unit.
• Depending on the iPod model and the amount of data stored in the iPod, it may take some time for playback to begin.
• Use the touch panel keys to select the iPod after connecting it to this unit.
• **No Device** is displayed when disconnecting the iPod.
• If a message is displayed after loading a disc containing DivX VOD content, touch **Play**.
Refer to *Playing DivX® VOD content* on page 47.

Ejecting a disc/SD
• Refer to *Ejecting a disc* on page 17.
• Refer to *Ejecting an SD* on page 18.

Selecting a chapter using the buttons
1 Press ◄ or ► (**TRK**).

Fast forwarding or reversing using the buttons
1 Press and hold ◄ or ► (**TRK**).
• Fast forward/fast reverse may not always be possible on some discs. In such cases, normal playback will automatically resume.
• The fast forward/fast reverse speed depends on the length of time you press and hold down ◄ or ► (**TRK**). This function is not available for Video CD.

• Do not insert anything other than a DVD-R/RW or CD-R/RW into the disc loading slot.
• If the bookmark function is on, DVD playback resumes from the selected point. For more details, refer to *Resume playback (Bookmark)* on page 44.
• Some operations may not be available while watching a media due to the programming of the disc. In such cases, the ⃠ icon appears on the screen.
• To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.
• While the iPod is connected to this unit, the iPod cannot be turned on or off.
• Touch panel keys not listed under *Introduction of video playback operations* may appear on the display.
Refer to *Indicator list* on page 98. ■

**Notes**
• This DVD player can play back a DivX file recorded on CD-R/RW, DVD-R/RW, or MPEG-1/MPEG-2/MPEG-4. (Please see the following section for files that can be played back. Refer to *DivX video files* on page 102.)

# Playing audio

## Introduction of sound playback operations

You can listen to DVD-R/DVD-RW/CD/CD-R/
CD-RW/USB/SD/iPod sound files.

### Audio CD
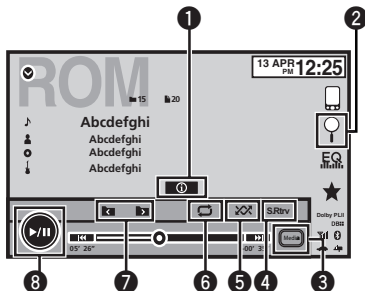


### iPod audio (Control Audio)
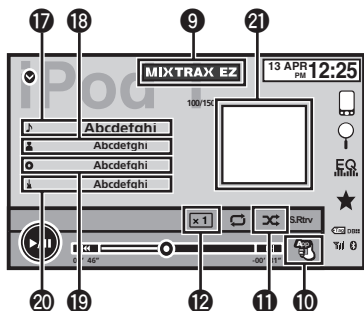


### iPod audio (App Mode)
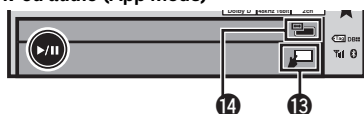


### USB/SD audio
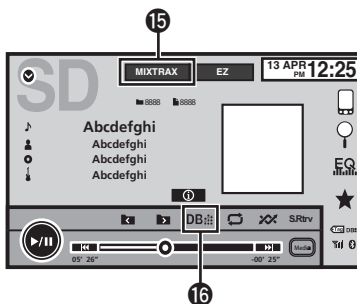


- Depending on your iPod, there may not be any output unless you use CD-IU201S/CD-IU201V (sold separately). Be sure to use CD-IU201S/CD-IU201V to connect your iPod.

### Bluetooth Audio
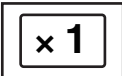


- Depending on the Bluetooth audio player connected to this unit, the available operations will be limited to the following two levels:
  — A2DP profile (Advanced Audio Distribution Profile): You can only playback songs on your audio player.
  — AVRCP profile (Audio/Video Remote Control Profile): You can perform playback, pause playback, select songs, etc.
- Since there are a number of Bluetooth audio players available on the market, available operations will vary extensively. When operating your player with this unit, refer to the instruction manual that came with your Bluetooth audio player as well as this manual.
- As the signal from your cellular phone may cause noise, avoid using it when you are listening to songs on your Bluetooth audio player.

# Playing audio

- When a call is in progress on the cellular phone connected to this unit via Bluetooth wireless technology, the sound of the Bluetooth audio player connected to this unit is muted.
- The play time may not display correctly.
- Depending on the type of Bluetooth audio player you have connected to this unit, operation and information display may not be available for some functions.

### Touch panel keys

| | | |
|---|---|---|
| ❶ | (info icon) | Switching the text information to display on this unit when playing MP3/WMA/AAC/WAV files. |
| ❷ | (pin icon) | Displaying a list of track titles/file names to select songs on a CD. Refer to *Selecting tracks from the track title list* on page 46. Displaying the file name list to select the files. Refer to *Selecting files from the file name list* on page 46. Displaying iPod menus. Refer to *Browsing for a video/music on the iPod* on page 43. |
| ❸ | Media | Switching between media file types on a DVD/CD/USB/SD. Refer to *Switching the media file type* on page 40. |
| ❹ | S.Rtrv | Switching the **S.Rtrv** (sound retriever) function setting when playing audio. Refer to *Using sound retriever* on page 46. |
| ❺ | (random icon) | Playing songs in random order. Refer to *Random play (shuffle)* on page 41. |
| ❻ | (repeat icon) | Selecting the repeat range. Refer to *Repeating playback* on page 41. |
| ❼ | (folder icons) | Selecting a folder. |
| ❽ | ▶/❚❚ | Pausing and starting playback. |
| ❾ | MIXTRAX EZ | Starting MIXTRAX EZ. Refer to *Introduction of MIXTRAX EZ operation* on page 32. |
| ❿ | App | Conducting operation from your iPod and listening to it using your car's speakers. Refer to *Operating this unit's iPod function from your iPod* on page 41. |
| ⓫ | (shuffle icon) | Playing songs on the iPod in random order. Refer to *Random play (shuffle)* on page 41. |
| ⓬ | × 1 | Changing the speed of audiobook playback on the iPod. Refer to *Changing audiobook speed* on page 46. |
| ⓭ | (hand icon) | Performing operations from this unit and listening to the music on your iPod using your car's speakers. |
| ⓮ | (screen icon) | Changing the screen mode. Refer to *Changing the wide screen mode* on page 48. |
| ⓯ | MIXTRAX | Displaying the MIXTRAX screen. Refer to *Introduction of MIXTRAX operation* on page 32. |
| ⓰ | DB | Start Music browse mode. Refer to *Music Browse mode* on page 47. |

# Playing audio

## Text information

| | | |
|---|---|---|
| ❼ | ♪ | Displaying the **Songs** list on the iPod. Refer to *Searching for a video/music by category* on page 43. |
| ❽ | 👤 | Displaying the **Artists** list on the iPod. Refer to *Searching for a video/music by category* on page 43. |
| ❾ | ◎ | Displaying the **Albums** list on the iPod. Refer to *Searching for a video/music by category* on page 43. |
| ⓴ | 🎸 | Displaying the **Genres** list on the iPod. Refer to *Searching for a video/music by category* on page 43. |
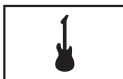
## Artwork display

| | |
|---|---|
| ㉑ | Starting **Album Link Search** on your iPod when you touch the artwork display. Refer to *Displaying lists related to the currently playing song (Link Search)* on page 46. |

---

Playing back sound
1. Insert the disc into the disc loading slot with the label side up.
   Playback will automatically start.
- While an iPod is connected to this unit, **PIONEER**, **Accessory Attached** or ✓ (check mark) is displayed on the iPod.
- When the source icon is not displayed, it can be displayed by touching the screen.
- Disconnect headphones from the iPod before connecting it to this unit.
- Depending on the iPod model and the amount of data stored in the iPod, it may take some time for playback to begin.
- Use the touch panel keys to select the iPod after connecting it to this unit.
- **No Device** is displayed when disconnecting the iPod.

Ejecting a disc/SD
- Refer to *Ejecting a disc* on page 17.
- Refer to *Ejecting an SD* on page 18.

---

Selecting a track using the buttons
1. Press ◄ or ► (**TRK**).

Fast forwarding or reversing using the buttons
1. Press and hold ◄ or ► (**TRK**).

## Note

Touch panel keys not listed under *Introduction of sound playback operations* may appear on the display.
Refer to *Indicator list* on page 98.

## Setting up for Bluetooth audio

Before you can use the Bluetooth audio function you must establish a Bluetooth wireless connection between the unit and your Bluetooth audio player.

1. Connection
   First, you need to connect a Bluetooth audio to this unit.
   For detailed instructions on connecting your Bluetooth audio to this unit via Bluetooth wireless technology, see *Introduction of Bluetooth connection menu operations* on page 70.

## Notes

- When playing back files recorded as VBR (variable bit rate) files, the play time will not be correctly displayed if fast forward or reverse operations are used.
- To ensure proper operation, connect the dock connector cable from the iPod directly to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- If the characters recorded on the disc are not compatible with this unit, those characters will not be displayed.
- Text information may not be correctly displayed depending on the recorded environment.
- Disconnect the USB portable audio player/USB memory when you are done using it.
- When you select **Speana** on *Selecting the background display* on page 73, the artwork is not displayed. ■

Playing audio

# Advanced App Mode

## Introduction of Advanced App Mode operation

This system can switch to the Advanced App Mode, which you can display and operate the application for iPhone on the screen.
In Advanced App Mode, you can operate applications with finger gestures such as tapping, dragging, scrolling or flicking on the screen of the system.

---

- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.
- In Advanced App Mode, functionality through the product is limited while driving, with available functions determined by the App providers.
- Availability of Advanced App Mode functionality is determined by the App provider, and not determined by Pioneer.
- Advanced App Mode allows access to applications other than those listed (subject to limitations while driving), but the extent to which content can be used is determined by the App providers.

---

Advanced App Mode is compatible with the following iPod models.
- iPhone 4S
- iPhone 4
- iPod touch 4th generation
— Applications operable by switching this system to Advanced App Mode are only those available for Advanced App Mode.
— Please check iPhone applications supported Advanced App Mode at
  **http://www.pioneerelectronics.com/ AppRadio**

### Important
- Use the CD-IU201S (sold separately) when you use this function.

- The port that supports Advanced App Mode will only be USB input 1.
- When you use this function, set the RGB input to iPhone. For details, refer to *Setting the RGB Input* on page 63.
- Depending on the application, you can input text on the display.
- When using application which allows you to input text on the keyboard, set the language setting of this unit and your iPod. For details, refer to *Setting the Keyboard* on the next page.
- When listening to music and sounds from application simultaneously, see the following section. Refer to *Setting the App sound mixing* on page 63.

### ⚠ CAUTION
- While driving, you cannot enter text on your iPod.
- Use the connected iPod to open an application.

## Starting procedure

**1    Set RGB Input to iPhone.**
When you use this function, set the RGB input to iPhone. For details, refer to *Setting the RGB Input* on page 63.

**2    Start an application available for Advanced App Mode from the iPhone.**
An image of the application is displayed on the screen of this system.
- You can start an application available for Advanced App Mode also from a launcher application.

**3    Touch MODE to hide the AV source icons or wait until the source icons disappear.**
- If the source icons are displayed, you cannot conduct the operation of application on the screen.

**4    Operate the application.**

# Advanced App Mode

## Setting the Keyboard

### ⚠ CAUTION

For your safety, the keyboard functionality is only available when the vehicle is stopped and the parking brake is engaged.

Depending on the application, you can input text on the display. In order to input text correctly using keyboard which appears on this unit, you need to set the language setting in this function.
When the Advanced App Mode is used, the language setting for the keyboard set for the function and the language setting for the iPhone keyboard need to be the same.
• Keyboard is available only in Advanced App Mode.
When you tap a text input area of an application for iPhone, a keyboard will be displayed on-screen. You can input the desired text directly from this system.
• The language preference for the keyboard of this system should be same as the setting on your iPhone.
If the settings for this product and the iPhone are different, you may not be able to enter characters properly.

**1   Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Keyboard on the System menu to select desired language.**

**3   Touch the desired language.**
**French** (French)—**German** (German)—**Greek** (Greek)—**Russian** (Russian)—**English** (English)—**English (UK)** (English)—**Dutch** (Dutch) —**Italian** (Italian)—**Norwegian** (Norwegian) —**Swedish** (Swedish)—**Finnish** (Finnish)— **Spanish** (Spanish)—**Portuguese** (Portuguese)

**4   Tap the text input area on the application screen of the iPhone.**
Touch ⬇ to hide the keyboard. ∎

# Using MIXTRAX

## Introduction of MIXTRAX operation

You can play the audio files of USB/SD.
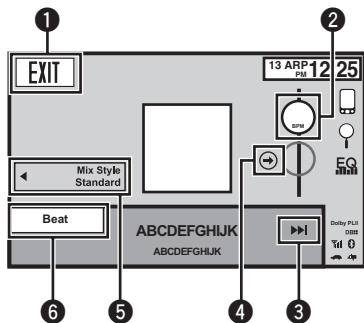


MIXTRAX is original technology for creating non-stop mixes of selections from your audio library, complete with DJ effects that make them sound as if a DJ is right there with you playing the music.

Using MIXTRAX
You can enjoy your music files by installing the MIXTRAX software to your computer and using the software to transfer the files to USB devices and SD cards.
The MIXTRAX software can be downloaded from the website below.
http://www.mixtraxnet.com
For details on how to use the MIXTRAX software, refer to the online manual.

### Important

The artwork display can be moved based on the music type. For details, refer to *Setting the Artwork Dance* on page 66.

### Touch panel keys

| | | |
|---|---|---|
| ❶ | **EXIT** | Switching to the audio mode of USB/SD. |
| ❷ | **BPM** | Changing the BPM (Beats Per Minute). |
| ❸ | ▶▶❙ | Starting playback of the next song. |
| ❹ | (→) | Switching to the original BPM (Beats Per Minute). The original BPM (Beats Per Minute) does not display during playback. |
| ❺ | **Mix Style** | Switching to the Mixstyle display. You can select the desired Mixstyle in the display. |
| ❻ | **Beat** | Switching to the Mix playlist. You can select the desired Mix playlist. |

Starting playback of the next song.
1 Press ▶ (**TRK**).

◾

## Introduction of MIXTRAX EZ operation

You can play the audio files of iPod/USB/SD. MIXTRAX EZ is used to add a variety of sound effects between songs for arranging the pauses between songs. It allows you to enjoy listening to music nonstop.
- This function is only available when a file on an external storage device (USB, SD) or a song on an iPod is being played.
- This function is not available when the control mode is set to **App Mode**.
- Depending on the file/song, sound effects may not be enabled for adding.
- Depending on the file/song, non-stop playback may not be available. ◾

# Using Pandora® internet radio

## Pandora operations

To play Pandora on the Pioneer car audio/
video products, connect an iPod or iPhone
with the most recent Pandora application in-
stalled, and start the Pandora application.

### ⊖ Important

Requirements to access Pandora using the
Pioneer car audio/video products:
Connect your iPod to USB input 1 when you play
Pandora.

- iPod and iPhone compatibility
  Apple iPhone (first generation), iPhone 3G,
  iPhone 3GS, iPhone 4, iPod touch 1G, iPod
  touch 2G, iPod touch 3G or iPod touch 4G
  (firmware version 3.0 or later).
  Certain firmware versions for the iPod touch
  and iPhone may not be compatible with the
  Pandora application. If this appears to be the
  case, please update the firmware to a version
  that is compatible with Pandora.
- Latest version of the Pandora application,
  downloaded to your device. (Search Apple
  iTunes App Store for "Pandora").
- Current Pandora account (Free account and
  paid accounts available from Pandora; create
  a free account online at
  http://www.pandora.com/register or through
  the Pandora application for the iPhone).
- Data Plan.
  **Note:** If the Data Plan for your iPhone does
  not provide for unlimited data usage, *addi-
  tional charges from your carrier may apply* for
  accessing the Pandora service via 3G and/or
  EDGE networks.
- Connection to the Internet via 3G, EDGE or
  Wi-Fi network.
- Optional Pioneer adapter cable connecting
  your iPhone to the Pioneer car audio/video
  products.

### Limitations:

- Access to the Pandora service will depend on
  the availability of a cellular and/or Wi-Fi net-
  work for purposes of allowing your device to
  connect to the Internet.

- Ability of the Pioneer car audio/video products
  to access the Pandora service is subject to
  change without notice and could be affected
  by any of the following: compatibility issues
  with future firmware versions of iPhones;
  compatibility issues with future firmware ver-
  sions of the Pandora application for the
  iPhone; changes to the Pandora music service
  by Pandora; discontinuation of the Pandora
  music service by Pandora.
- Certain functions of the Pandora service are
  not available when accessing the service
  through the Pioneer car audio/video products,
  including, but not limited to, creating new sta-
  tions, deleting stations, emailing current sta-
  tions, buying tracks from iTunes, viewing
  additional text information, logging in to
  Pandora, and adjusting Cell Network Audio
  Quality.

Pandora internet radio is a music service not af-
filiated with Pioneer. More information is avail-
able at http://www.pandora.com.
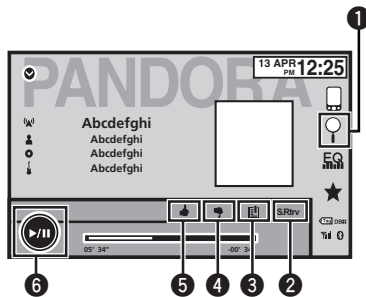


### Touch panel keys

| | | |
|---|---|---|
| ❶ | 🔍 | Displaying the QuickMix/ station list to select QuickMix or the desired station. Refer to *Selecting and playing Pandora® sta-tions/QuickMix* on page 43. |
| ❷ | S.Rtrv | Switching the **S.Rtrv** (sound retriever) function setting while playing Pandora. Refer to *Using sound re-triever* on page 46. |

| | | |
|---|---|---|
| ❸ |  | Storing track information (Bookmark). |
| ❹ |  | Giving a "Thumbs-down" for the track currently playing and then skipping to the next track. |
| ❺ |  | Giving a "Thumbs-up" for the track currently playing. |
| ❻ | ▶/❚❚ | Pausing and starting playback. |

Playing tracks
1. Connect an iPod to USB input 1 with an USB cable using an iPod or iPhone Dock Connector.
2. Start up the Pandora application installed on the iPod or iPhone.

Skipping tracks
1. Press ► (**TRK**).

### Notes
- Touch panel keys not listed under *Pandora operations* may appear on the display.
  Refer to *Indicator list* on page 98.
- Pandora limits the number of skips allowed on their service. If you attempt to skip songs beyond the limit, "SKIP LIMIT REACHED" is displayed. If you have reached the skip limit and you give a "thumbs-down", the current track will continue to play, but your feedback will be registered. ▪

# Playing still images

## Introduction of still image playback operations

You can view still images saved in USB/SD.

**Still image**
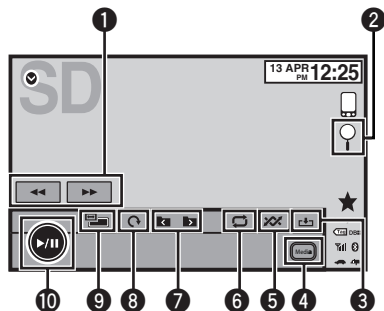


When loading a USB/SD containing JPEG picture files, this unit starts a slideshow from the first folder/picture on the device.
The table below shows the controls for viewing a slideshow.

### Touch panel keys

| | | |
|---|---|---|
| ➊ | ▶▶ ◀◀ | Selecting a picture. |
| ➋ | ○̸ | Displaying the file name list to select the files. Refer to *Selecting files from the file name list* on page 46. |
| ➌ | ⏷ | Capturing an image in JPEG files. Refer to *Capture an image in JPEG files* on page 48. |

| | | |
|---|---|---|
| ➍ | Media | Switching between media file types when there is more than one media file type saved to the USB or SD device. This key does not appear if there is only one media file type saved to the USB or SD device. Refer to *Switching the media file type* on page 40. |
| ➎ | ✕✕ | Playing files in a random order. Refer to *Random play (shuffle)* on page 41. |
| ➏ | ⟳ | Selecting the repeat range. Refer to *Repeating playback* on page 41. |
| ➐ | ◀ ▶ | Selecting a folder. |
| ➑ | ↻ | Rotating the displayed picture 90° clockwise. |
| ➒ | ↔ | Changing the screen mode. Refer to *Changing the wide screen mode* on page 48. |
| ➓ | ▶/‖ | Starting or pausing the slideshow. |

Playing still images
1 Connect the USB/SD device.
  Playback will automatically start.
• When the source icon is not displayed, it can be displayed by touching the screen.

Ejecting an SD
• Refer to *Ejecting an SD* on page 18.

Playing still images

# Playing still images

Selecting a file using the buttons
1 Press ◄ or ► (**TRK**).

Fast file searching
1 Press and hold ◄ or ► (**TRK**).
• You can search 10 JPEG files at a time.

## Notes
• Files are played back in file number order and folders are skipped if they contain no files. (If folder **1** (ROOT) contains no files, playback commences with folder **2**.)
• Touch panel keys not listed under *Introduction of still image playback operations* may appear on the display.
Refer to *Indicator list* on page 98.◼

# Bluetooth telephone

## Introduction of Bluetooth telephone operations

You can use Bluetooth telephone.

**Telephone standby display**
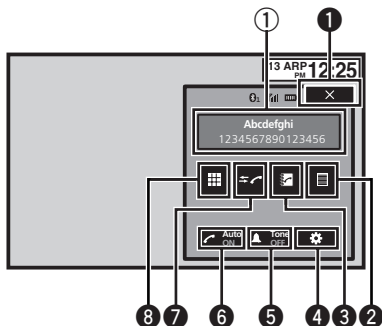


**When switching to the entering phone number mode**
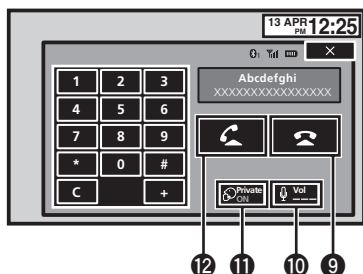


### Important

- Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using it without the engine running can drain the battery power.
- Advanced operations that require attention such as dialing numbers on the monitor, etc., are prohibited while driving. Park your vehicle in a safe place when using these advanced operations.
- Bluetooth connection menu cannot be selected while driving.
- Operations available may be limited depending on the cellular phone connected to this unit.

- Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.
- If you are unable to complete the connection using this unit, use the device to connect to the unit.
- If you connect more than one device at a time, connected device may not operate properly. Connecting one device at a time is recommended.

① Incoming call notice
Indicates that an incoming call has been received and has not been checked yet.
- Not displayed for calls made when your cellular phone is disconnected from this unit.

**Touch panel keys**

| | | |
|---|---|---|
| ❶ | ✕ | Display is closed. |
| ❷ | ▤ | Displaying the preset dial screen. Refer to *Using the preset dial lists* on page 53. |
| ❸ | 📖 | Switching to the phone book mode. Refer to *Calling a number in the phone book* on page 51. Refer to *Selecting a number by alphabet search mode* on page 52. |
| ❹ | ✿ | Displaying the Bluetooth connection menu. Refer to the instructions from page 70 to page 72. |
| ❺ | 🔔 Tone | Turning the ring tone for incoming calls on or off. Refer to *Switching the ring tone* on page 53. |
| ❻ | 📞 Auto | Turning automatic answering on or off. Refer to *Setting automatic answering* on page 53. |

| | | |
|---|---|---|
| ❼ | ⇆ 📞 | Switching to the call history list.<br>Refer to *Using the missed, received and dialed call lists* on page 52. |
| ❽ | ▦ | Switching the mode to enter the phone number directly.<br>Refer to *Making a call by entering phone number* on page 54. |
| ❾ | ☎ | Ending a call.<br>Rejecting an incoming call.<br>Canceling call waiting. |
| ❿ | 🎤 **Vol** | Adjusting the other party's listening volume.<br>Refer to *Adjusting the other party's listening volume* on page 53. |
| ⓫ | 👁 **Private** | Turning private mode on or off.<br>Refer to *Setting the private mode* on page 54. |
| ⓬ | 📞 | Accepting an incoming call.<br>Making a phone call, when selecting a phone number.<br>Switching between callers on hold. |

**Notes**

• Private mode can only be operated while you are talking on the phone.
• To end the call, both you and the other caller must hang up your phones.
• Touch panel keys not listed under *Introduction of Bluetooth telephone operations* may appear on the display.
  Refer to *Indicator list* on page 98.

## Setting up for hands-free phoning

Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone. This entails establishing a Bluetooth wireless connection between this unit and your phone, registering your phone with this unit, and adjusting the volume level.

1 Connection
   First, you need to connect a Bluetooth telephone to this unit.
   For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, see following section. *Using a Bluetooth device to pair* on page 71 and *Pairing from this unit* on page 70.
2 Volume adjustment
   Adjust the earpiece volume of your cellular phone to your preference. The unit will record the adjusted volume level as the default setting.
   • The volume of the caller's voice and ring tone may vary depending on the type of cellular phone.
   • If there is a large volume difference between the ring tone and caller's voice, the overall volume level may become unstable.
   • Make sure to adjust the volume to a proper level before disconnecting the cellular phone from the unit. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.

▣

# Detailed instructions

## Storing and recalling stations

You can easily store up to six stations for each band as presets.

- Six stations for each band can be stored in memory.
- Channels are stored and recalled on a broadcast station basis. This means that if the broadcast station you stored has been assigned to a different channel by SIRIUS, you can still recall the same broadcast station (though a different channel number may appear in the display).

**1   Display the preset channel list screen.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.
Refer to *Introduction of HD Radio tuner operations* on page 20.
The preset channel list appears in the display.

**2   Touch and hold one of the preset tuning keys to store the selected frequency in the memory.**
The selected radio station frequency has been stored in the memory.

**3   Touch one of the preset tuning keys to select the desired station.** ▣

## Storing the strongest stations

BSM (best stations memory) automatically stores the six strongest stations in the order of their signal strength.
Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using the preset tuning keys.

**1   Display the preset channel list screen.**
Refer to *Introduction of HD Radio tuner operations* on page 20.
The preset channel list appears in the display.

**2   Touch BSM to turn BSM on.**
The six strongest broadcast frequencies will be stored under preset tuning keys in order of their signal strength.

- To cancel the storage process, touch **Cancel**. ▣

## Tuning in to strong signals

Local seek tuning lets you tune in to only those radio stations with sufficiently strong signals for good reception.

FM: Off — ▬ — ▬▬ — ▬▬▬ — ▬▬▬▬
AM: Off — ▬ — ▬▬
The highest level setting allows reception of only the strongest stations, while lower levels allow the reception of weaker stations. ▣

## Using iTunes tagging

*This function can be operated with the following iPod models.*
— *iPod touch 4th generation*
— *iPod touch 3rd generation*
— *iPod touch 2nd generation*
— *iPod touch 1st generation*
— *iPod classic 160GB*
— *iPod classic 120GB*
— *iPod classic*
— *iPod with video*
— *iPod nano 6th generation*
— *iPod nano 5th generation*
— *iPod nano 4th generation*
— *iPod nano 3rd generation*
— *iPhone 4S*
— *iPhone 4*
— *iPhone 3GS*
— *iPhone 3G*
— *iPhone*
The song information (tag) can be saved from the broadcasting station to your iPod. The songs will show up in a playlist called "Tagged playlist" in iTunes the next time you sync your iPod. Then you can directly buy the songs you want from the iTunes Store.
The tagged songs and the song that you can buy from the iTunes Store may be different. Make sure to confirm the song before you make the purchase.
If you cannot use this function normally, update your iPod firmware.

## Storing the tag information to this unit

**1  Tune in to the broadcast station.**

**2  Store the tag information to this unit.**
Refer to *Introduction of HD Radio tuner operations* on page 20.
You can store the information if the **Tag** indicator is displayed while the desired song is being broadcast.
- While storing the tag data on this unit, **Tag** flashes.
- The tag information for up to 50 songs can be stored on this unit.
- Depending on the timing of when the tag information is stored, the tag information for the song played before or after the currently playing song may also be stored.
- If an SD is selected as the source while tag information is being stored to this unit, the tag information will not be transferred to the iPod.

**3  When completed, ⟨‣ Tag⟩ indicator turns off and ♪ indicator is displayed.**

## Storing the tagged information to your iPod

**1  Connect your iPod.**
When your iPod is connected to this unit, your iPod starts storing the tagged information automatically.
- While transferring the tag, you cannot select the SD source.

**2  When completed, ◎ indicator turns off and the tagged information is stored on your iPod. ▣**

## Switching the media file type

When playing a digital media containing a mixture of various media file types, such as DivX, MPEG-1, MPEG-2, MPEG-4 and MP3, you can switch between media file types to play.

Audio data (CD-DA) and JPEG picture files on DVD-R/RW/ROM cannot be played back on this unit.

**CD** (audio data (CD-DA))—**Music/ROM** (compressed audio)—**Video** (DivX, MPEG-1, MPEG-2, MPEG-4 video files)—**Photo** (JPEG picture files) ▣

# Operating the DVD menu

(Function for DVD video)
Some DVDs allow you to make a selection from the disc contents using a menu.

## Using the arrow keys

**1  Display arrow keys to operate the DVD menu.**
Refer to *Playing moving images* on page 24.

**2  Select the desired menu item.**

| | |
|---|---|
| ∧ ∨ ⟨ ⟩ | Selecting the desired menu item. |
| **Enter** | Starting playback from the selected menu item. |
| Touch | Operating the DVD menu by directly touching the menu item. |
| ↰ | Back to Previous display. |

- When operating the DVD menu by directly touching the menu item, touch the icon to operate.

| Key | Returning to the normal DVD video display. |
|-----|---------------------------------------------|
| ◀▲▶▼ | Displaying arrow keys. |

■ Ways to display the menu will differ depending on the disc.

■ Depending on the contents of the DVD disc, this function may not work properly. In such cases, use the touch panel keys to operate the DVD menu. ▣

## Operating this unit's iPod function from your iPod

You can listen to the sound from your iPod applications using your car's speakers, when **App Mode** is selected.

This function is not compatible with the following iPod models.

- iPod nano 1st generation
- iPod with video

- While this function is in use, the iPod will not turn off even if the ignition key is turned off. Operate the iPod to turn off the power.

**1 Switch the control mode to App Mode.**
Refer to *Introduction of video playback operations* on page 24.
Refer to *Introduction of sound playback operations* on page 27.

**2 Operate the connected iPod to select a video/song and play.**

### Notes
- The following functions are still accessible from the unit even if the control mode is set to **App Mode**.
  However, the operation will depend on your applications.
  — Playing/pausing
  — Fast forwarding/reversing
  — Tracking up/down
  — Moving to a chapter up/down

- **App Mode** is compatible with the following iPod models.
  — iPod touch 4th generation
  — iPod touch 3rd generation
  — iPod touch 2nd generation
  — iPod touch 1st generation
  — iPod classic 160GB
  — iPod classic 120GB
  — iPod classic
  — iPod nano 6th generation
  — iPod nano 5th generation
  — iPod nano 4th generation
  — iPod nano 3rd generation
  — iPod nano 2nd generation
  — iPhone 4S
  — iPhone 4
  — iPhone 3GS
  — iPhone 3G
  — iPhone ▣

## Random play (shuffle)

iPod-videos/songs can be played back in random order.

- **Songs** – Play back videos/songs in the selected list in random order.
- **Albums** – Play back videos/songs from a randomly selected album in order.
- **Folder** – Play back songs/tracks in the selected folder in random order.
- **Disc** – Play back songs/tracks in the selected disc in random order.
- **On** – Play back files in random order within the repeat range, **Folder** and **Disc**.
- **Off** – Cancel random play. ▣

## Repeating playback

- **Disc** – Play through the current disc
- **Chapter** – Repeat the current chapter
- **Title** – Repeat the current title
- **Track** – Repeat the current track
- **File** – Repeat the current file
- **Folder** – Repeat the current folder
- **One** – Repeat just the current video/song
- **All** – Repeat all videos/songs in the selected list on the iPod

- This function cannot be operated during Video CD playback featuring PBC (playback control).
- If you perform chapter search, fast forward/reverse, frame-by-frame playback or slow motion playback, the repeat play will stop.
- When playing discs with compressed audio and audio data (CD-DA), playback is repeated within the type of data currently playing even if **Disc** is selected.
- If you select another folder during repeat play, the repeat play range changes to **Disc**. If you select USB or SD source, the repeat play range changes to **All**.
- If you perform track search or fast forward/reverse during **File**, the repeat play range changes to **Folder**.
- If you perform title/chapter search or fast forward/reverse during **Chapter**, the repeat play is set to off automatically.
- If you perform track search or fast forward/reverse during **Track**, the repeat play range changes to **Disc**.
- When **Folder** is selected, it is not possible to play back a subfolder of that folder. ◼

## Playing videos from your iPod

(Function for iPod)
Videos can be played on this unit if an iPod with video capabilities is connected.
- This unit can play back "Movies", "Music videos", "Video Podcast" and "TV show" which are downloaded from the iTunes store.

### 1 Display the iPod menus.
Refer to *Playing moving images* on page 24.

### 2 Switch to iPod video mode.

| | Playlists | ^ |
| Music | Artists | |
| | Albums | |
| | Songs | |
| Video | Podcasts | |
| | Genres | ∨ |

■ If you want to switch to iPod video mode, touch the icon.

| Video | Switching to iPod video mode. |

### 3 Play the video from the iPod.

| | Video Playlists | ^ |
| Music | Movies | |
| | Music Videos | |
| | Video Podcasts | |
| Video | TV Shows | |
| | Rentals | ∨ |
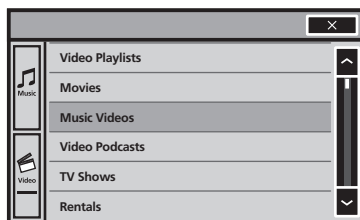
■ If you want to switch to iPod music mode, touch the icon.

| Music | Switching to iPod music mode. |

◼
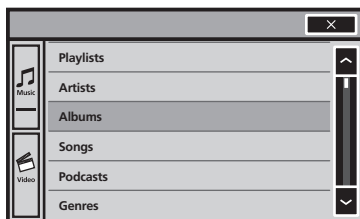
## Playing videos from USB storage device and SD

No image yet
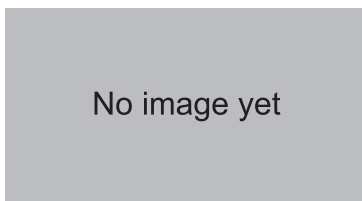
Touch the playback sign of the thumbnail to preview the file. Touch the title to start playback. ◼

# Selecting and playing Pandora® stations/QuickMix

Touch the list for your Pandora stations to select one of them to play.

### 1 Display the QuickMix/station list.
Refer to *Pandora operations* on page 33.

### 2 Change the sort order.

| | |
|---|---|
| ⬇A-Z | You can sort the items in the list alphabetically. |
| ⬇ By Date | You can sort the items in the list in order of the dates on which the items were created. |

| | |
|---|---|
| . . . . | You can scroll the titles in the list while you touch and hold down the scroll icon. |

### 3 Select QuickMix or the desired station.

| | |
|---|---|
| ⤨ | You can play only one song at a time from a shuffled mix of several stations. |

▪

# Browsing for a video/music on the iPod

(Function for iPod)
To make operating and searching easy, operations to control an iPod with this unit are designed to be as similar to the iPod as possible.

## Searching for a video/music by category

### 1 Display the iPod menus.
Refer to *Playing moving images* on page 24.
Refer to *Playing audio* on page 27.

### 2 Touch one of the categories in which you want to search for a video/music.
• **Video Playlists** (video playlists)
• **Movies** (movies)

• **Music Videos** (music videos)
• **Video Podcasts** (video podcasts)
• **TV Shows** (TV shows)
• **Rentals** (rentals)
• **Playlists** (playlists)
• **Artists** (artists)
• **Albums** (albums)
• **Songs** (songs)
• **Podcasts** (podcasts)
• **Genres** (genres)
• **Composers** (composers)
• **Audiobooks** (audiobooks)

### 3 Touch the title of the list that you want to play.
Repeat this operation until you find the desired video/music.

### Notes
• You can play playlists created with the PC application (MusicSphere). The application will be available on our website.
• Playlists that you created with the PC application (MusicSphere) are displayed in abbreviated form.

## Searching the list by alphabet

(Function for iPod)

### 1 Select a category.

Refer to *Searching for a video/music by category* on the previous page.

### 2 Switch to alphabet search mode.

| ABC | Switching to alphabet search mode. |
|-----|-----------------------------------|

Alphabet search mode is displayed.

### 3 Touch the first letter of the title of the video/song you are looking for.

While searching, touch panel key operation is not available.

■ To refine the search with a different letter, touch **Cancel**.

### 4 Touch the title of the list that you want to play.

Repeat this operation until you find the desired song/video. ▣

## Resume playback (Bookmark)

(Function for DVD video)
By using the Bookmark function, you can resume playback from a selected scene the next time the disc is loaded.

The selected scene will be bookmarked so that playback resumes from that point next time.
• To clear the bookmark on a disc, touch and hold the key during playback.
• The oldest bookmark is replaced by the new one. ▣

## Frame-by-frame playback

(Function for DVD video/video CD/DivX file/MPEG-1/MPEG-2/MPEG-4)

### Note

Images during frame-by-frame playback may be unclear for some discs. ▣

## Slow motion playback

### Notes

• There is no sound during slow motion playback.
• Images during slow motion playback may be unclear for some discs.
• Reverse slow motion playback is not available. ▣

## Searching for the part you want to play

You can use the search function to find the part you want to play.
For DVD videos, you can select **Title** (title), **Chapter** (chapter) or **10key** (numeric keypad). For video CDs, you can select **Track** (track) or **10key** (numeric keypad).
• Chapter search is not available when disc playback is stopped.
• This function cannot be operated during some DVD videos or Video CD playback featuring PBC (playback control).

### 1 Start the search function.

Refer to *Playing moving images* on page 24.

### 2 Touch the desired search option (e.g., Chapter).

### 3 Touch 0 to 9 to input the desired number.

■ To cancel the entered numbers, touch **C**.

### 4 Start playback from the selected part.

| ↵ | Registering the numbers and starting playback. |
|---|-----------------------------------------------|

### Note

With discs featuring a menu, you can also use the DVD menu to make your selection.
Refer to *Playing moving images* on page 24. ▣

# Detailed instructions

## Changing audio language during playback (Multi-audio)

With DVDs/DivX files that provides audio play-back in different languages and different audio systems (Dolby Digital, DTS, etc.), you can switch between languages/audio systems during playback.

### Notes

* With some DVDs, switching between lan-guages/audio systems may only be possible using a menu display.
* You can also switch between languages/audio systems using **Video Setup** menu. For details, refer to *Setting the audio language* on page 59.
* Depending on the setting, the video may not be played back with the audio system used to record the DVD.
* You will return to normal playback if you change the **Audio** during fast forward/fast re-verse, pause or slow motion playback. ▪

## Changing the subtitle language during playback (Multi-subtitle)

With DVDs/DivX files featuring multi-subtitle recordings, you can switch between subtitle languages during playback.

### Notes

* With some DVDs, switching between subtitle languages may only be possible using a menu display.
* You can also switch between subtitle lan-guages using **Video Setup** menu. For details, refer to *Setting the subtitle language* on page 59.
* You will return to normal playback if you change the **Subtitle** during fast forward/fast reverse, pause or slow motion playback. ▪

## Changing the viewing angle during playback (Multi-angle)

With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can switch among viewing angles during play-back.

* During playback of a scene shot from mul-tiple angles, the angle icon is displayed. Use the **Video Setup** menu to turn the angle icon display on or off. For details, refer to *Setting the multi-angle DVD display* on page 59.

### Note

You will return to normal playback if you change the viewing angle during fast forward/fast re-verse, pause or slow motion playback. ▪

## Return to the specified scene

(Function for DVD video)

This function cannot be used if a specified scene has not been preprogrammed on the DVD disc. ▪

## Selecting audio output

When playing DVD video discs recorded with LPCM audio, you can switch the audio output. When playing video CDs, you can switch be-tween stereo and monaural audio output.

* This function is not available when disc playback is stopped.

* **L+R** – Left and right
* **Left** – Left
* **Right** – Right
* **Mix** – Mixing left and right

### Note

You may not be able to select or use this function depending on the disc and the playback location. ▪

## PBC playback

(Function for Video CDs)
During playback of Video CDs featuring PBC
(playback control), **PBC On** is displayed.

**1   Start the search function.**
Refer to *Playing moving images* on page 24.

**2   Touch 10key to display the numeric
keypad.**

**3   Touch 0 to 9 corresponding to a menu
number.**

**4   Start playback from the selected part.**

| | |
|---|---|
| ⏎ | Registering the numbers and start-ing playback. |

### Notes
• You can display the menu by touching **Return**
  during PBC playback. For details, refer to the
  instructions provided with the disc.
• PBC playback of a Video CD cannot be can-
  celed.
• During playback of Video CDs featuring PBC
  (playback control), you cannot select the re-
  peat play range or use the search function. ◼

## Selecting tracks from the track title list

You can select tracks to playback using the
track title list which is a list of the tracks re-
corded on a disc.

**1   Display the track title list.**
Refer to *Playing audio* on page 27.

**2   Touch your favorite track title.**
Playback begins. ◼

## Selecting files from the file name list

(Function for compressed audio/DivX/MPEG-1/
MPEG-2/MPEG-4)

File name list is a list of file names (or folder
names) from which you can select a file (or
folder) to play back.

**1   Display the file (or folder) name list.**
Refer to *Playing audio* on page 27.
Refer to *Introduction of still image playback op-
erations* on page 35.

**2   Touch your favorite file (or folder)
name.**
■ When you have selected a folder, a list of the
names of the files (or the folders) in it can be
viewed. Repeat this operation to select the de-
sired file name.
■ If folder **1** (ROOT) contains no files, playback
commences with folder **2**.

### Note
If part of the recorded information does not dis-
play, a scroll key appears on the right side of list.
Touch the scroll key to scroll. ◼

## Using sound retriever

Automatically enhances compressed audio
and restores rich sound.

Off — ▬ — ▬▬
• ▬▬ is more effective than ▬. ◼

## Changing audiobook speed

(Function for iPod)
• ×2 – Playback at a speed faster than nor-
  mal
• ×1 – Playback at normal speed
• ×1/2 – Playback at a speed slower than nor-
  mal ◼

## Displaying lists related to the currently playing song (Link Search)

(Function for iPod/USB/SD)

**1   Touch the artwork display.**
Refer to *Introduction of sound playback opera-
tions* on page 27.

**2 Touch the title of the list that you want to play.**

 Notes
- If part of the recorded information does not display, a scroll key appears on the right side of list. Touch the scroll key to scroll.
- This function is available for USB/SD when using Music browse mode. ■

## Setting the Advanced Display Resolution

(Function for USB/SD)
You can increase the resolution of moving images on your USB/SD storage device.
**OFF—1—2**
- With some pictures, display adjustment may not be possible.
- There may not be any effect observed in some cases depending on the images being played back. ■

## Music Browse mode

(Function for USB/SD)
This unit creates an index in order to facilitate browsing for a song. You can search by the categories such as Albums and Artists.

## ⚠ CAUTION
- This function is not available when the USB/SD storage device is locked.
- This function is not available when the free space of USB/SD storage device is 5MB.
- While this unit creates an index, do not turn the unit off. It may cause loss of data on your USB/SD storage device.

**1 Create the database in Music browse mode.**
Refer to *Introduction of sound playback operations* on page 27.

**2 When "Save the Database to memory?" is displayed, touch "Yes"**
Saving of the database is completed. If you do not save it, touch "**No**".

When the saving is completed, **"Database save to memory was completed."** appears.

**3 Display a list and touch the tag key.**

**4 Select a file.**
Music browse mode will start. ■

## Playing DivX® VOD content

Some DivX video on demand (VOD) content may only be playable a fixed number of times. When you load a disc containing this type of content, the number of times it has been played will be shown on-screen. You can then decide whether or not to play the disc.
- If there is no limit to the number of times the DivX VOD content can be viewed, then you may load the disc into your player and play the content as often as you like, and no message will be displayed.
- You can confirm the number of times that the content can be played by checking the number displayed after **This DivX rental has used ▢▢ out of ○○ views.**.

## ⟳ Important
- In order to play DivX VOD contents on this unit, you first need to register the unit with your DivX VOD contents provider. For details on your registration code, refer to *Displaying the DivX® VOD registration code* on page 62.
- DivX VOD content is protected by a DRM (Digital Rights Management) system. This restricts playback of content to specific, registered devices.

● **If a message is displayed after loading a disc containing DivX VOD content, touch Play.**
Playback of the DivX VOD content will start.
- To skip to the next file, touch **Next Play**.
- If you do not want to play the DivX VOD content, touch **Stop**. ■

## Capture an image in JPEG files

You can capture image data and use it as wall-paper. Images can be stored and recalled easily in this unit.

• Only one image can be stored on this unit. Old image is overwritten with the new one.

**1 Pause the slideshow when the desired image is displayed.**
Refer to *Introduction of still image playback operations* on page 35.

**2 Capture the image.**
Refer to *Introduction of still image playback operations* on page 35.

**3 When "Do you save this image?" is displayed, touch Yes.**
While storing the image to this unit, "**Saving the image. Don't switch off the battery.**" is displayed. When the process is finished, "**Image saved.**" is displayed.

■ To cancel the storage process, touch **No**. ▣

## Changing the wide screen mode

You can select a desired mode for enlarging a 4:3 picture to a 16:9 picture.

**1 Display the screen mode.**
Refer to *Introduction of video playback operations* on page 24.
Refer to *Introduction of still image playback operations* on page 35.

**2 Touch the desired wide mode setting.**

**FULL (full screen)**
The 4:3 picture is enlarged in the horizontal direction only, giving you a 4:3 TV picture (normal picture) without any omissions.

**ZOOM (zoom)**
The 4:3 picture is enlarged in the same proportion both vertically and horizontally; ideal for a cinema sized picture (wide screen picture).

**NORMAL (normal)**
The 4:3 picture is displayed as it is, giving you no sense of disparity since its proportions are the same as that of the normal picture.

**TRIMMING (trimming)**
The image is displayed across the entire screen with the horizontal-to-vertical ratio left as is. If the horizontal-to-vertical ratio differs between the display and the image, the image may be displayed partly cut off either at the top/bottom or sides.

**Notes**
• You cannot operate this function while driving.
• Different settings can be stored for each video source.
• When a video is viewed in a wide screen mode that does not match its original aspect ratio, it may appear different.
• Remember that using the wide mode feature of this system for commercial or public viewing purposes may constitute an infringement on the author's rights protected by the Copyright Law.
• The video image will appear coarser when viewed in **ZOOM** mode.
• **FULL**/**ZOOM**/**NORMAL** is used for videos. **NORMAL**/**TRIMMING** is used for JPEG images. ▣

## Switching the XM/SIRIUS channel selection mode

You have two methods for selecting a channel: by number and by category. When selecting by number, channels in any category can be selected. Select by category to narrow your search down to only channels in a particular category.

**Mode All CH** (channel number select setting)
—**Mode Category** (channel category select setting)

# Detailed instructions

## Selecting a SIRIUS channel from a channel category

Channels are organized into various program categories, e.g. Rock, Classic, Jazz while listening to a SIRIUS station. You can specify channels by selecting the desired category.

**1   Select channel category selection mode.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.
**Mode All CH** (channel number select setting) —**Mode Category** (channel category select setting)

**2   Touch ◄ or ► to select the desired channel category.**

**3   Touch ◄ or ► on the buttons to select the desired channel in the selected channel category.**

## Selecting a channel from the XM channel list display

The list content can be switched so you can search for the track you want to listen to not only by the channel name but also by the artist name or song title.
- This function is available for GEX-P920XM.
- The channel list shows all the channels during **Mode All CH** mode, and the channels included in the selected category during **Mode Category** mode.

**1   Display the preset channel list.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.

**2   Switch the channel list mode.**

| | |
|---|---|
| 🔍 | Switching the channel list mode to the channel name or the artist name/song title. |

**3   Touch the desired channel that you want to listen to.** ▪

## Selecting an XM/SIRIUS channel directly

You can select an XM/SIRIUS channel directly by entering the desired channel number.

**1   Display the preset channel list.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.

**2   Switch to direct input display.**

| | |
|---|---|
| Direct | Switching to direct input display. |

**3   Touch 0 to 9 to input the desired channel number.**
- To cancel the input numbers, touch **C**.

**4   Select the XM/SIRIUS channel of the entered number.**
The XM/SIRIUS channel of the entered number is selected.

| | |
|---|---|
| ↵ | Selecting the XM/SIRIUS channel of the entered number. |

▪

## Using the Game Alert function

This system can alert you when games involving your favorite teams are about to start. To use this function you need to set up a game alert for the teams in advance.
- This function is available for SIR-PNR2/SIR-PNR2C.

## Selecting teams for Game Alert

**1   Start Game Alert setup.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.

**2    Select a desired league in League.**

◀

▶
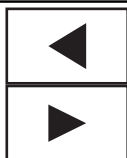
Switching the league name.

**3    Select a desired team in Team.**

◀

▶
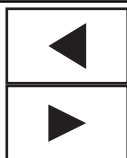
Switching the  team name.

**4    Turn the alert on or off.**

On/Off

Turning the alert on or off.

The game alert function is activated for that team.

■ When you have already selected 12 teams, **FULL** is displayed and additional teams cannot be selected. In this case, first delete a selected team and then try again.

**5    Repeat these steps to select other teams.**
Up to 12 teams can be selected.

## Switching the Game Alert on or off
Once you select the teams, you need to turn the Game Alert function on.
The Game Alert function is on at the default setting.

## When a game of a selected team starts
When a game of the selected team is about to start (or is currently playing) on a different station, a game alert is displayed.

Jump

Switching to the other station to listen to the game.

Stay

Not tuning in to the other station.

## Displaying game information
If any games of the selected teams are currently playing, you can display information on the games and tune in to the broadcast channel.

**1    Display the game information for the selected team.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.

**2    Touch ◀ or ▶ to select a game.**
The game is displayed, followed by more detailed game information.
  • The game score will be updated automatically.

**3    Switch to the other station to listen to the game.**

Tune
to

Switching to the other station to listen to the game.

■ If you have not selected any teams, **NOT SET** is displayed.
■ When games involving your favorite teams are not currently playing, **NO GAME** is displayed. ▣

## Displaying the Radio ID
### Channel number selection setting
If you select **CH000**, the ID code is displayed.

● **Select CH000.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22. ▣

## Detailed instructions

## Switching the SIRIUS display

• Actions will differ depending on the connected SIRIUS tuner.

● **Touch SIRIUS tuner information to switch the SIRIUS display.**
Refer to *Introduction of XM/SIRIUS tuner operations* on page 22.
Channel number—Channel name—Category name—Artist name—Song title/Title name—Composer name—Play time

### Note
Play time is displayed during the Instant Replay mode.◼

## Using the Instant Replay function

The following functions can be operated in Instant Replay mode.
• To use this function, a Pioneer SIRIUS bus interface (e.g. CD-SB10) is required.
• To use this function, a SIRIUS plug-and-play unit with an Instant Replay Function is required.
• For details, refer to the SIRIUS plug-and-play unit's manuals.

● **To exit from Instant Replay mode, select another source or touch the following icon.**

| | |
|---|---|
| **Live** | Exiting from Instant Replay mode. |

● **Select a track**
Press ◄ or ► (**TRK**).

● **Fast forward or reverse**
Press and hold ◄ or ► (**TRK**).

● **Pause and play**

| | |
|---|---|
| ▶/❚❚ | Playing and pausing. |

◼

## Switching the seek mode

There are two seek tuning settings, one is **HD** (Digital broadcasting stations seek) and the other is **ALL** (normal seek).

**ALL**—**HD**◼

## Switching the reception mode

If the reception for a digital broadcast becomes poor, this unit automatically switches to the analog broadcast of the same frequency. If this function is set to **D/A AUTO**, the tuner switches between digital broadcast and analog broadcast automatically. If this function is set to **ANALOG**, the tuner will only receive analog broadcasts.

**D/A AUTO**—**ANALOG**◼

## Calling a number in the phone book

The phone book in your cellular phone will be transferred automatically when the phone is connected to this unit.
After finding the number you want to call in the phone book, you can select the entry and make the call.

**1   Switch to phone book mode.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.
The phone book display appears.

**2   Select the phone number list.**
The detailed phone number list of the selected entry is displayed.

**3   Select the phone number.**
▪ If you want to store the phone number, touch and hold the list.

**4   Make the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**5   End the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**Note**
Depending on the cellular phone, the phone book may not be transferred automatically. In this case, operate your cellular phone to transfer the phone book. The visibility of this unit should be on. Refer to *Switching visible unit* on page 71. ■

## Selecting a number by alphabet search mode

If a lot of numbers are registered in the phone book, you can search for the phone number by alphabet search mode.

**1  Switch to phone book mode.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.
The phone book display appears.

**2  Touch ABC to switch to alphabet search mode.**

**3  Touch the first letter of the entry you are looking for.**
The Phone Book entries starting with that letter (e.g. "Ben", "Brian" and "Burt" when "B" is selected) will be displayed.
■  If you want to change the character to Russian, touch the icon. To return to English, touch the icon again.

| | |
|---|---|
| **АБВ** | Changing the character to Russian. |

■  The order of the first name and last name may be different from that of the cellular phone.

**4  Touch the list to display the phone number list of the selected entry.**
■  If several phone numbers are included in an entry, select one by touching the list.
■  If you want to switch to the call history list, touch the icon.

| | |
|---|---|
| ⇄📞 | Switching to the call history list. |

**5  Make the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**6  End the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37. ■

## Inverting names in phone book

When your cellular phone is connected to this unit, the first and last names of your contacts may be registered to the phone book in reverse order. You can use this function to change the order back.
(Inverting the names in the phone book)

**1  Switch to phone book mode.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.
The phone book display appears.

**2  Invert names in phone books.**

| | |
|---|---|
| ↻ | Inverting names in phone books. |

**3  "Would you like to invert all names?" appears. Touch Yes to continue.**
While the names are inverted, ⚙ is displayed.
■  If the inversion fails, "**Invert Name Error**" appears. In such cases, try again from the beginning.

**Note**
Inverting the names of your contacts from this unit does not affect the data on your Bluetooth device. ■

## Using the missed, received and dialed call lists

The 80 most recent calls dialed, received, and missed are stored in the memory. You can browse them and call numbers from these lists.

## Detailed instructions

**1 Switch to the call history list.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2 Select Missed Calls, Dialed Calls or Received Calls.**

| ➙📞 | Displaying the received call list. |
|------|------------------------------------|
| ←📞 | Displaying the dialed call list. |
| 💥📞 | Displaying the missed call list. |

**3 Touch the list number to select a phone number.**
Name and phone number are displayed in the detailed list.
■ If you want to store the phone number, touch and hold the list.

**4 Make the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**5 End the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37. ▣

## Setting automatic answering

If this function is on, this unit automatically answers all incoming calls.

● **Turn automatic answering on or off.**
Refer to *Introduction of Bluetooth telephone operations* on page 37. ▣

## Adjusting the other party's listening volume

To maintain the good sound quality, this unit can adjust the other party's listening volume. If the volume is not loud enough for the other party, use this function.

● **Select Far-End VOL.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.
**1—2—3**
■ This function can be performed even while talking on the phone.
■ Settings can be stored for each device. ▣

## Switching the ring tone

You can select whether or not to use this unit's ring tone. If this function is set to on, the ring tone for this unit will sound.

**1 Connect your cellular phone to this unit.**

**2 Turn ring tone on or off.**
Refer to *Introduction of Bluetooth telephone operations* on page 37. ▣

## Using the preset dial lists

You can easily store up to six phone numbers as presets.

**1 Display the preset screen.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2 Touch one of preset dial keys to select the desired phone number.**
■ If you want to delete a preset phone number, touch and hold the preset dial key.

**3 Make the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**4 End the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37. ▣

Detailed instructions

# Making a call by entering phone number



**Important**

Be sure to park your vehicle in a safe place and apply the parking brake when performing this operation.

**1 Switch to the entering phone number mode.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2 Touch the number icons to input the numbers.**
▪ Up to 24 digits can be entered.

**3 Make the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**4 End the call.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**Note**

Entering phone number mode cannot be operated unless a Bluetooth telephone is connected to this unit.￭

# Setting the private mode

During a conversation, you can switch to private mode (talk directly on your cellular phone).
Refer to *Introduction of Bluetooth telephone operations* on page 37.￭

# Menu operations

## Introduction of menu operations



### 1  Display menus.
Refer to *Basic operations* on page 14.

### 2  Touch any of the following touch panel keys to select the menu to be adjusted.

**Touch panel keys**

| | | |
|---|---|---|
| ❶ |  | Video Setup menu<br>Refer to *Setting up the Video player* on page 59. |
| ❷ |  | Audio function menu<br>Refer to *Audio adjustments* on the next page. |
| ❸ |  | System menu<br>Refer to *System settings* on page 63. |
| ❹ |  | Favorite menu<br>You can choose menus within each menu (Audio function menu, etc.) and register them to this favorite menu.<br>Refer to *Favorite menu* on page 69. |
| ❺ |  | Returning to the current source display |

### Notes
- You can display the **Video Setup** menu when a **Disc**, **USB** or **SD** source is selected.
- If you start the **Video Setup** menu, playback is stopped.

- You cannot display the Audio function menu when the mute function is on or a JPEG file is playing. ■

# Audio adjustments

## Using fader/balance adjustment

You can change the fader/balance setting to provide an ideal listening environment for all of the occupied seats.

**1 Display the audio function menu.**
Refer to *Introduction of menu operations* on the previous page.

**2 Touch Fader/Balance on the audio function menu.**

**3 Touch ▲ or ▼ to adjust the front/rear speaker balance.**
Range: **Front 15** to **Rear 15**

▪ Select **F/R 0  L/R 0** when only using two speakers.

▪ The front/rear speaker balance cannot be adjusted when the rear output setting is **Subwoofer**. Refer to *Setting the rear output and subwoofer controller* on page 63.

**4 Touch ◄ or ► to adjust the left/right speaker balance.**
Range: **Left 15** to **Right 15**

**Note**
You can also set the fader/balance by dragging the dot on the displayed table.

## Using the equalizer

You can adjust the equalization to match the car's interior acoustic characteristics as desired.

### Recalling equalizer curves

There are seven stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves.

| Display | Equalizer curve |
|---|---|
| **Powerful** | Powerful |
| **Natural** | Natural |
| **Vocal** | Vocal |

| Display | Equalizer curve |
|---|---|
| **Flat** | Flat |
| **Custom1** | Custom 1 |
| **Custom2** | Custom 2 |
| **S.Bass** | Super bass |

• The equalizer curves for **Custom1** and **Custom2** can be adjusted.
• You cannot select **Custom1** and **Custom2** when using the auto-equalizer.
• When **Flat**, no changes are made to the sound. You can check the effects of the equalizer curves by switching alternatively between **Flat** and another equalizer curve.

**1 Display the audio function menu.**
Refer to *Introduction of menu operations* on the previous page.

**2 Touch Graphic EQ on the audio function menu.**
▪ You cannot select or adjust the equalizer curves of **Custom1** and **Custom2** when using the auto-equalizer.

**3 Touch the desired setting.**
**S.Bass—Powerful—Natural—Vocal—Flat—Custom1—Custom2**

### Adjusting the 8-band graphic equalizer

You can adjust the level of each band for the equalizer curves.
• A separate **Custom1** curve can be created for each source. If you make adjustments when a curve other than **Custom2** is selected, the equalizer curve settings will be stored in **Custom1**.
• A **Custom2** curve that is common for all sources can be created. If you make adjustments when the **Custom2** curve is selected, the **Custom2** curve will be updated.

**1 Display the audio function menu.**
Refer to *Introduction of menu operations* on the previous page.

## Menu operations

**2   Touch Graphic EQ on the audio function menu.**

**3   Touch the desired setting.**
**S.Bass**—**Powerful**—**Natural**—**Vocal**—**Flat**—
**Custom1**—**Custom2**

**4   Touch the table to adjust the level of the equalizer band.**
Range: **+12dB** to **–12dB**

## Using the auto-equalizer

The auto-equalizer is an equalizer curve created by auto EQ (refer to *Auto EQ (auto-equalizing)* on page 67).
You can turn the auto-equalizer on or off.
If you connect an optional microphone to this unit, you can use this function.

**1   Display the audio function menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Auto EQ to turn the auto-equalizer on or off.**
■ You cannot use this function if auto EQ has not been carried out.

## Using sonic center control

Sound that is suited for the listening position can easily be created with this function.

**1   Display the audio function menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Sonic Center Control on the audio function menu.**

**3   Touch ◄ or ► to select a listening position.**
Range: **Left 7** to **Right 7**

## Adjusting loudness

Loudness compensates for deficiencies in the low-frequency and high-frequency ranges at low volume.

**1   Display the audio function menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch ◄ or ► to select a desired level for loudness.**
**Off** (off)—**Low** (low)—**Mid** (mid)—**High** (high)

## Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.
• The cut-off frequency and output level can be adjusted when the subwoofer output is on.

**1   Display the audio function menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Subwoofer on the audio function menu.**

**3   Touch On or Off next to Subwoofer to turn the subwoofer output on or off.**

**4   Touch Normal or Reverse next to Phase to select the phase of subwoofer output.**

**5   Touch ◄ or ► next to Level to adjust the output level of the subwoofer.**
Range: **+6** to **–24**

**6   Touch ◄ or ► next to Frequency to select the cut-off frequency.**
**50Hz**—**63Hz**—**80Hz**—**100Hz**—**125Hz**
Only frequencies lower than those in the selected range are outputted from the subwoofer.

## Boosting the bass

You can boost the bass level.

# Menu operations

**1 Display the audio function menu.**
Refer to *Introduction of menu operations* on
page 55.

**2 Touch ◄ or ► to select a desired level.**
Range: **0** to **+6**

## Using the high pass filter

When you do not want low sounds from the
subwoofer output frequency range to play
from the front or rear speakers, turn on the
HPF (high pass filter). Only frequencies higher
than those in the selected range are output
from the front or rear speakers.

**1 Display the audio function menu.**
Refer to *Introduction of menu operations* on
page 55.

**2 Touch ◄ or ► next to the frequency to
select cut-off frequency.**
**Off** (off)—**50Hz**—**63Hz**—**80Hz**—**100Hz**—
**125Hz**
Only frequencies higher than those in the se-
lected range are output from the front or rear
speakers.

## Adjusting source levels

With SLA (source level adjustment), the vo-
lume levels of each source can be adjusted to
prevent significant differences between
sources.
• Settings are based on the FM volume level,
which remains unchanged.

**1 Display the audio function menu.**
Refer to *Introduction of menu operations* on
page 55.

**2 Compare the FM volume level with the
level of the source you wish to adjust.**

**3 Touch Source Level Adjuster on the
audio function menu.**

**4 Touch ▲ or ▼ to adjust the source vo-
lume.**
Range: **+4** to **–4**

 **Notes**
• When selecting FM as the source, you cannot
  switch to **Source Level Adjuster**.
• The AM volume level can also be adjusted
  with this function.
• Video CD, CD, compressed audio, DivX,
  MPEG-1, MPEG-2 and MPEG-4 are automati-
  cally set to the same source level adjustment
  volume.
• When an iPod and a USB storage device are
  connected to USB input 1 or USB input 2, the
  source level adjustment volume for each is
  automatically set to the same level for each
  USB input. USB input 1 and USB input 2 are
  not automatically set to the same setting.
• External unit 1 and external unit 2 are automa-
  tically set to the same source level adjustment
  volume. ∎

## Menu operations

# Setting up the Video player

## Setting the subtitle language

You can set a desired subtitle language. When available, the subtitles will be displayed in the selected language.

**1   Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Subtitle Language on the Video Setup menu.**
A subtitle language menu is displayed.

**3   Touch the desired language.**
The subtitle language is set.
■   If you have selected **Others**, refer to *When you select* **Others** on this page.

#### Notes
- If the selected language is not available, the language specified on the disc is displayed.
- You can also switch the subtitle language by touching the icon during playback. (Refer to *Playing moving images* on page 24.)
- The setting made here will not be affected even if the subtitle language is switched during playback using **Subtitle**.

### When you select Others

A language code input display is shown when **Others** is selected. Refer to *Language code chart for DVD* on page 110.

● **Touch 0 to 9 to input the language code.**
■   To cancel the entered numbers, touch **C**.
■   To register the code, touch the following touch panel key.



Registering the code.

## Setting the audio language

You can set the preferred audio language.

**1   Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Audio Language on the Video Setup menu.**
An audio language menu is displayed.

**3   Touch the desired language.**
The audio language is set.
■   If you have selected **Others**, refer to *When you select* **Others** on this page.

#### Notes
- If the selected language is not available, the language specified on the disc is used.
- You can also switch the audio language by touching **Audio** during playback. (Refer to *Playing moving images* on page 24.)
- The setting made here will not be affected even if the audio language is switched during playback using **Audio**.

## Setting the menu language

You can set the preferred language in which the menus recorded on a disc are displayed.

**1   Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Menu Language on the Video Setup menu.**
A menu language menu is displayed.

**3   Touch the desired language.**
The menu language is set.
■   If you have selected **Others**, refer to *When you select* **Others** on this page.

#### Note
If the selected language is not available, the language specified on the disc is displayed.

## Setting the multi-angle DVD display

The angle icon can be set so it appears on scenes where the angle can be switched.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch Multi Angle on the Video Setup menu to turn angle icon display on or off.**

## Setting the aspect ratio

There are two kinds of display: a wide screen display that has a width-to-height ratio (TV aspect ratio) of 16:9, and regular display that has a TV aspect of 4:3. Be sure to select the correct TV aspect for the display connected to **V OUT**.

- When using regular display, select either **Letter Box** or **Pan Scan**. Selecting **16:9** may result in an unnatural picture.
- If you select the TV aspect ratio, the unit's display will change to the same setting.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch TV Aspect on the Video Setup menu to select the TV aspect ratio.**
Touch **TV Aspect** repeatedly until the desired aspect ratio appears.

- **16:9** – Wide screen picture (16:9) is displayed as is (initial setting)
- **Letter Box** – The picture is the shape of a letterbox with black bands on the top and bottom of the screen
- **Pan Scan** – The picture is cut short on the right and left sides of the screen

#### Notes

- When playing discs that do not specify **Pan Scan**, the disc is played back in **Letter Box** display even if you select the **Pan Scan** setting. Confirm whether the disc package bears the 16:9 LB mark.
- The TV aspect ratio cannot be changed for some discs. For details, refer to the disc's instructions.

## Setting the slideshow interval

JPEG files can be viewed as a slideshow on this unit. In this setting, the interval between each image can be set.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch Time Per Photo Slide on the Video Setup menu to select the slideshow interval.**
Touch **Time Per Photo Slide** repeatedly until the desired setting appears.

- **5sec** – JPEG images switch at intervals of 5 seconds
- **10sec** – JPEG images switch at intervals of 10 seconds
- **15sec** – JPEG images switch at intervals of 15 seconds
- **Manual** – JPEG images can be switched manually

## Setting parental lock

Some DVD video discs let you use parental lock to restrict children from viewing violent and adult-oriented scenes. You can set parental lock to the desired level.

- When you have a parental lock level set and play a disc featuring parental lock, code number input indications may be displayed. In such cases, playback will begin when the correct code number is entered.

### Setting the code number and level

A code number must be registered in order to play back discs with parental lock.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch Parental on the Video Setup menu.**

**3 Touch 0 to 9 to input a four digit code number.**

- To cancel the entered numbers, touch **C**.

▪ To register the code, touch the following touch panel key.



Registering the code.

The code number is set, and the level can now be set.

**4   Touch 1 to 8 to select the desired level.**

**5   Touch Enter.**
The parental lock level is set.
- **8** – Playback of the entire disc is possible (initial setting)
- **7** to **2** – Playback of discs for children and non-adult-oriented discs is possible
- **1** – Playback of discs for children only is possible

### Notes
- We recommend to keep a record of your code number in case you forget it.
- The parental lock level is stored on the disc. Look for the level indication written on the disc package, included literature or on the disc itself. Parental lock of this unit is not possible if a parental lock level is not stored on the disc.
- With some discs, the parental lock may be active only for certain levels of scenes. The playback of those scenes will be skipped. For details, refer to the instruction manual that came with the disc.

### Changing the level
You can change the set parental lock level.

**1   Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Parental on the Video Setup menu.**

**3   Touch 0 to 9 to input the registered code number.**

**4   Registering the code.**



Registering the code.

This sets the code number, and the level can now be changed.
- ▪ If you enter an incorrect code number, the ⊘ icon is displayed. Touch **C** and enter the correct code number.
- ▪ If you forget your code number, refer to *If you forget your code number* on this page.

**5   Touch 1 to 8 to select the desired level.**

**6   Touch Enter.**
The new parental lock level is set.

### If you forget your code number
● **Press RESET.**

## Setting the DivX subtitle file
You can select whether or not to display DivX external subtitles.
- The DivX subtitles will be displayed even when **Custom** is selected if no DivX external subtitle files exist.

**1   Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch DivX® Subtitle on the Video Setup menu to select the desired subtitle setting.**
- **Original** – Display the DivX subtitles
- **Custom** – Display the DivX external subtitles

### Notes
- Up to 42 characters can be displayed on one line. If more than 42 characters are set, the line breaks and the characters are displayed on the next line.
- Up to 126 characters can be displayed on one screen. If more than 126 characters are set, the excess characters will not be displayed.

## Displaying the DivX® VOD registration code

In order to play DivX VOD (video on demand) contents on this unit, the unit must first be registered with a DivX VOD contents provider. For registration, generate a DivX VOD registration code and submit it to your provider.

• Keep a record of the code as you will need it when you register your unit to the DivX VOD provider.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch DivX® VOD on the Video Setup menu.**
**Registration Code** and **Deregistration Code** appear.

**3 Touch Registration Code.**
Your registration code is displayed.

### Displaying the deregistration code

If your device is already registered, deregister it by entering the deregistration code.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch DivX® VOD on the Video Setup menu.**

**3 Touch Deregistration Code.**
▪ To cancel deregistration, touch **Cancel**.

**4 Touch OK.**
The deregistration is complete.

## Automatic playback of DVDs

When a DVD disc with a DVD menu is inserted, this unit will cancel the menu automatically and start playback from the first chapter of the first title.

• Some DVDs may not operate properly. If this function is not fully operated, turn this function off and start playback.

**1 Display the Video Setup menu.**
Refer to *Introduction of menu operations* on page 55.

**2 Touch DVD Auto Play to turn automatic playback on.**
▪ To turn automatic playback off, touch **DVD Auto Play** again. ∎

# Menu operations

## System settings

### Switching the auxiliary setting

Activate this setting when using an auxiliary device connected to this unit.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch AUX Input on the system menu to turn AUX Input on or off.**

### Setting AV input

Activate this setting when using an external video component connected to this unit.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch AV Input on the system menu to turn AV Input on or off.**

### Setting the RGB Input

You can switch the setting of RGB input.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch RGB Input on the system menu to turn iPhone or NAVI.**

#### Note

If you use Advanced App Mode, set to **iPhone**.

### Setting the App sound mixing

You cannot turn on or off Mixing when this unit is playing a song of iPod.
The sound of application during Advanced App Mode can be adjusted.
Enable this setting when you want to mix the App sound with the sound from a built-in source (such as the radio). The volume of the App sound can be selected from 3 levels.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch App sound mixing on the System menu to select desired setting.**
**OFF** (off)—**Low** (low)—**Mid** (mid)—**High** (high)

### Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**Full**) or subwoofer (**Subwoofer**) connection. If you switch the rear output setting to **Subwoofer**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp. Initially, the unit is set for a rear full-range speaker connection (**Full**).

**1    Turn the unit off.**
Refer to *Basic operations* on page 14.

**2    Press HOME to switch to the HOME display.**

**3    Touch System key.**
System menu is displayed.

**4    Touch Rear Speaker on the system menu to switch the subwoofer output or full-range speaker.**
■  When no subwoofer is connected to the rear output, select **Full** (full-range speaker).
■  When a subwoofer is connected to the rear output, select **Subwoofer** (subwoofer).

#### Notes
• Even if you change this setting, there will be no output unless you turn the subwoofer output on (refer to *Using subwoofer output* on page 57).
• Both rear speaker lead outputs and RCA rear output are switched simultaneously in this setting.

### Setting the Tag forwarding

The song information (tag) can be saved from the broadcasting station of HD Radio to your iPod.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch Tag forwarding on the system menu to turn USB1 or USB2.**

## Switching sound muting/attenuation

Sound from this system is automatically muted or attenuated when a signal from equipment with a mute function is received.
• Sound from this system returns to normal when the muting or attenuation is canceled.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch Mute/ATT until the desired setting appears.**
Touch **Mute/ATT** until the desired setting appears in the display.
• **Mute** – Muting
• **ATT –20dB** – Attenuation (**ATT –20dB** has a stronger effect than **ATT –10dB**)
• **ATT –10dB** – Attenuation
• **Off** – Turns the sound muting/attenuation off

### Notes
• When **Mute** is displayed, the sound is turned off and no audio adjustments can be made.
• When **ATT** is displayed, the sound is attenuated and only the volume can be adjusted. (No other audio adjustments can be made.)
• Operation returns to normal when the phone connection is ended.

## Selecting the system language

The system language can be selected from ten languages.
If text information such as the title name, artist name or a comment is embedded in a European language, they can also be displayed on this unit.
• The language can be changed for the following:

— System menu
— Video Setup menu
— Bluetooth menu
— On-screen display
   (English and Russian only)
— Multi language setting for DivX
   (English and Russian only)
— Language for cautions
   Some operations on this unit are prohibited from use while driving or require careful attention when operated. In such cases, a caution will appear on the display. You can change the language for caution messages with this setting.
• If the embedded language and the selected language setting are not the same, text information may not display properly.
• Some characters may not be displayed properly.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch System Language on the system menu to select the desired language.**

**3    Touch the desired language.**
**English** (English)—**Português** (Portuguese)—**Español** (Spanish)—**Français** (French)—فارسی (Persian)—**Deutsch** (German)—ไทย (Thai)—**Русский** (Russian)—العربية (Arabic)—עברית (Hebrew)

## Setting the ever scroll

When ever scroll is set to **On**, recorded text information scrolls continuously in the display. Set to **Off** if you prefer the information to scroll just once.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch Ever Scroll on the system menu to turn ever scroll on or off.**

# Menu operations

## Setting the Bluetooth audio

You need to activate the **Bluetooth Audio** source in order to use a Bluetooth audio player.

**1   Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2   Touch Bluetooth Audio on the system menu to turn Bluetooth audio on or off.**

## Clearing Bluetooth memory

### Important

Never turn the unit off while the Bluetooth memory is being cleared.

**1   Turn the unit off.**
Refer to *Basic operations* on page 14.

**2   Press HOME to switch to the HOME display.**

**3   Touch System key.**
System menu is displayed.

**4   Touch Bluetooth Memory Clear on the system menu.**

**5   Touch Clear.**
After selecting a desired item, a confirmation display appears. Touch **OK** to delete the memory.
■ If you do not want to clear the memory, touch **Cancel**.

## Updating Bluetooth connection software

This function is used to update this unit with the latest bluetooth software. For about bluetooth software and updating, refer to our website.

### Important

Never turn the unit off and never disconnect the phone while the software is being updated.

**1   Turn the unit off.**
Refer to *Basic operations* on page 14.

**2   Press HOME to switch to the HOME display.**

**3   Touch System key.**
System menu is displayed.

**4   Touch BT Software Update.**

**5   Touch Start to display the data transfer mode.**
■ Follow the on-screen instructions to finish updating the bluetooth software.

## Displaying the Bluetooth system version

If this unit fails to operate properly, you may need to consult your dealer for repair. In such cases, you may be asked to specify the system version. Perform the following procedure to check the version on this unit.

**1   Turn the unit off.**
Refer to *Basic operations* on page 14.

**2   Press HOME to switch to the HOME display.**

**3   Touch System key.**
System menu is displayed.

**4   Touch Bluetooth Version Information to display to the version of the Bluetooth module of this unit.**

## Setting the rear view camera (back up camera)
### ⚠ CAUTION

**Pioneer recommends the use of a camera which outputs mirror-reversed images. Otherwise, the screen image will appear reversed.**

This unit features a function that automatically switches to the rear view camera video (**R.C IN**) when a rear view camera is installed on your car and the shift lever is moved to the **REVERSE (R)** position. (For more details, consult your dealer.)

• After you set up the rear view camera setting, move the shift lever to **REVERSE (R)** and confirm that the rear view camera video is shown on the display.

• Change this setting if the display switches to the rear view camera video by error while you are driving forward.

• To stop watching the rear view camera video and return to the source display, press and hold **MUTE**.

• Touch the **RearView** source icon to display the rear view camera image while driving. Touch the source icon again to turn the rear view camera off. For details, refer to *Selecting a source using the touch panel keys* on page 15.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch Camera Polarity on the system menu to select the appropriate setting.**
  • **Battery** – When the polarity of the connected lead is positive while the shift lever is in **REVERSE (R)** position
  • **Ground** – When the polarity of the connected lead is negative while the shift lever is in **REVERSE (R)** position
  • **Off** – When a rear view camera is not connected to this unit

**Note**
You can also switch the rear view image by pressing the touch key, regardless of the **Camera Polarity** setting on the system menu. Refer to *Basic operations* on page 14.

## Setting the video signal

When you connect this unit to an AV equipment to this unit, select the suitable video signal setting.
• As this function is initially set to **Auto**, the unit will automatically adjust the video signal setting.
• You can operate this function only for the video signal input into the AV input.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch Video Signal Setting on the function menu.**
**Video Signal Setting** items are displayed.
  • **AV** – Adjusts the AV video signal
  • **AUX** – Adjusts the AUX video signal
  • **Camera** – Adjusts the rear view camera video signal

**3    Touch ◄ or ► to select the desired video signal appears.**
**Auto—PAL—NTSC—PAL-M—PAL-N— SECAM**

## Setting the Artwork Dance

When a song is played by MIXTRAX, the artwork display can be moved based on the music type.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**2    Touch Artwork Dance setting on the system menu to turn On or Off.**

## Changing the picture adjustment

You can adjust the **Brightness** (brightness), **Contrast** (contrast), **Color** (color) , **Hue** (hue), **Dimmer** (dimmer), and **Temperature** (temperature) for each source and rear view camera.
• You cannot adjust **Color**, **Hue** and **Contrast** for the audio source.

**1    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

# Menu operations

**2    If you are adjusting the Picture Adjustment, select the unit.**

| | |
|---|---|
| **NAVI** | Completing **Picture Adjustment** for the Navigation system when the RGB input setting is set to **NAVI**. |
| **App** | Completing **Picture Adjustment** for the Advanced App Mode when the RGB input setting is set to **iPhone**. |
| **Rear View** | Adjusting the **Picture Adjustment** for the rear view camera. |
| **Source** | Adjusting the **Picture Adjustment** for the source. |

**3    Touch any of the following touch panel keys to select the function to be adjusted.**
**Picture Adjustment** items are displayed.
- **Brightness** – Adjusts the black intensity
- **Contrast** – Adjusts the contrast
- **Color** – Adjusts the color saturation
- **Hue** – Adjusts the tone of color (red or green is emphasized)
- **Dimmer** – Adjusts the brightness of the display
- **Temperature** – Adjusts the color temperature, resulting in a better white balance

■  You can adjust **Hue** only when the color system is set to NTSC.

■  With some rear view cameras, picture adjustment may not be possible.

**4    Touch ◄ or ► to adjust the selected item.**
Each time you touch ◄ or ►, the level of the selected item increases or decreases.
■  **Dimmer** can be adjusted from **+1** to **+48**.
■  **Temperature** can be adjusted from **+3** to **–3**.

**Notes**
- You cannot operate this function while driving.
- Different **Brightness**/**Contrast**/**Dimmer** settings can be set for when the illumination switch is on and when it is off.

## Auto EQ (auto-equalizing)

The auto-equalizer automatically measures the car's interior acoustic characteristics, and then creates an auto-equalizer curve based on that information.
- To perform this function, dedicated microphone (e.g. CD-MC20) is required.

## ⚠ WARNING
As a loud tone (noise) may be emitted from the speakers when measuring the car's interior acoustic characteristics, never perform auto TA or auto EQ while driving.

## ⚠ CAUTION
- Thoroughly check the conditions before performing auto EQ as the speakers may be damaged if these functions are performed when:
  — The speakers are incorrectly connected. (For example, when a rear speaker is connected as a subwoofer output.)
  — A speaker is connected to a power amp delivering output higher than the speaker's maximum input power capability.
- If the microphone is placed in an unsuitable position the measurement tone may become loud and measurement may take a long time, resulting in battery drainage. Be sure to place the microphone in the specified location.

### Before operating the auto EQ function
- Carry out auto EQ in as quiet a place as possible, with the car engine and air conditioning switched off. Also cut power to car phones or portable telephones in the car, or remove them from the car before carrying out auto EQ. Sounds other than the measurement tone (surrounding sounds, engine sound, telephones ringing etc.) may prevent correct measurement of the car interior acoustic characteristics.
- Be sure to carry out auto EQ using the optional microphone. Using another microphone may prevent measurement, or result in incorrect measurement of the car interior acoustic characteristics.
- In order to perform auto EQ, the front speaker must be connected.

- When this unit is connected to a power amp with input level control, auto EQ may not be possible if the power amp's input level is set below the standard level.
- When this unit is connected to a power amp with an LPF, turn this LPF off before performing auto EQ. Also set the cut-off frequency for the built-in LPF of an active subwoofer to the highest frequency.
- The distance has been calculated by computer to be the optimum delay to give accurate results for the circumstances, so please continue to use this value.
  — The reflected sound within the car is strong and delays occur.
  — The LPF on active subwoofers or external amps delay the lower sounds.
- Auto EQ changes the audio settings as follows:
  — The fader/balance settings return to the center position. (Refer to *Using fader/balance adjustment* on page 56.)
  — The equalizer curve switches to **Flat**. (Refer to *Recalling equalizer curves* on page 56.)
  — The front, center and rear speakers will automatically be adjusted to a high pass filter setting.
- Previous settings for auto EQ will be overwritten.

## Performing auto EQ

**1    Stop the car in a place that is quiet, close all the doors, windows and sun roof, and then turn the engine off.**
If the engine is left running, engine noise may prevent correct auto EQ.

**2    Fix the optional microphone in the center of the headrest of the driver's seat, facing forward.**
The auto EQ may differ depending on where you place the microphone. If desired, place the microphone on the front passenger seat to carry out auto EQ.
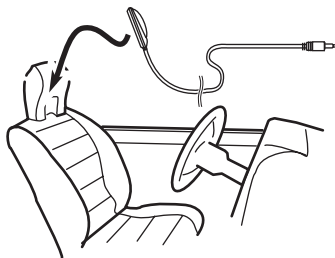


**3    Turn the ignition switch to ON or ACC.**
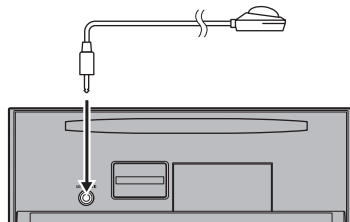If the car's air conditioner or heater is turned on, turn it off. Noise from the fan in the air conditioner or heater may prevent correct auto EQ.

**4    Display the system menu.**
Refer to *Introduction of menu operations* on page 55.

**5    Touch Auto EQ Measurement to enter auto EQ measurement mode.**

**6    Plug the microphone into the microphone input jack on this unit.**



**7    Touch Start to start auto EQ.**

**8    When the 10-second countdown starts, get out of the car and close the door within 10 seconds.**
A measurement tone (noise) is emitted from the speakers, and auto EQ measurement begins.
When auto EQ is completed, **The measurement has finished. Please disconnect the microphone and then push HOME key.** is displayed.
When the car's interior acoustic characteristics cannot be measured correctly, an error message will be displayed. (Refer to *Understanding auto EQ error messages* on page 97.)

■ It takes about nine minutes for auto EQ measurement to be completed when all the speakers are connected.

■ To stop auto EQ, touch **Stop**.

**9 Store the microphone carefully in the glove compartment or another safe place.**
If the microphone is subjected to direct sunlight for an extended period, high temperatures may cause distortion, color change or malfunction.

**10 Press ▲(eject) to close the panel.** ▣

## Favorite menu

**1 Display menu columns to register.**
Refer to *Introduction of menu operations* on page 55.

■ You can customize menus except
**Video Setup** menu.

**2 Touch and hold the menu column to register it.**

■ To cancel registration, touch and hold the menu column again.

**3 Display the favorite menu and choose a registered menu.**
Refer to *Introduction of menu operations* on page 55.

### Note

You can register up to 12 columns. ▣

# Introduction of Bluetooth connection menu operations

Refer to *Basic operations* on page 14.
If you are using a cellular phone that can be connected via Bluetooth wireless technology, we recommend that you use your phone to search for this unit and establish a connection between it and your phone. The PIN code is set to **0000** as default. The product name for this unit will display on your phone as the device name. For details, refer to *Entering PIN code for Bluetooth wireless connection* on page 72. For further details concerning the procedures for establishing Bluetooth wireless connections, refer to the instruction manual for the phone.

# Pairing from this unit
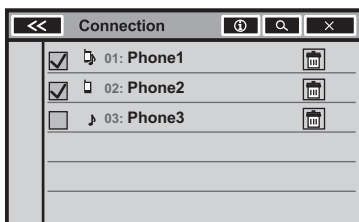


## 1 Display the Bluetooth Connection Menu.
Refer to *Introduction of Bluetooth telephone operations* on page 37.

## 2 Touch Connection to select a device.

## 3 Start to search.



Starting to search.

While searching, ◯ is displayed and when available devices are found, the device names or Bluetooth device addresses (if names cannot be obtained) are displayed.

▪ If you want to switch between the device names and Bluetooth device addresses, touch the icon.



Switching between the device names and Bluetooth device addresses.

▪ To cancel searching, touch **Stop**.
▪ If three devices are already paired, **Memory Full** is displayed and pairing cannot be performed. In such cases, delete a paired device first. Refer to this page.
▪ If no device can be found, **Not Found** is displayed. In such cases, check the status of the Bluetooth device and search again.

## 4 Touch a device name to select the device you want to connect to.
While connecting, **Pairing** is displayed. If the connection is established, **Paired** is displayed.
  • If your device support SSP (Secure Simple Pairing), 6-digit number appears on the display of this unit. Once the connection is established, this number disappears.
▪ If the connection fails, **Error** is displayed. In such cases, try again from the beginning.
▪ The PIN code is set to **0000** as the default, but can be changed. Refer to *Entering PIN code for Bluetooth wireless connection* on page 72.
▪ Once the connection is established, the device name is displayed.
Touch the device name to disconnect.
▪ If you want to delete a paired Bluetooth telephone, display **Delete OK?**. Touch **Yes** to delete the device.



Deleting a paired device.

▪ Never turn the unit off while the paired Bluetooth telephone is being deleted.

# Menu operations

## Using a Bluetooth device to pair

If you cannot open the connection between your Bluetooth device and this unit from your Bluetooth device, you can use this function to establish a connection.

**1   Display the Bluetooth Connection Menu.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2   Touch Special Device to select the special device.**
■ Bluetooth devices that are difficult to establish a connection with are called special devices. If your Bluetooth device is listed as a special device, select the appropriate one.

**3   Touch the special device list to open the connection.**
This unit is now on standby for a connection with the Bluetooth device.
■ If three devices are already paired, **Memory Full** is displayed and pairing cannot be performed. In such cases, delete a paired device first. Refer to the previous page.

**4   Use your Bluetooth device to establish a connection.**
The connection method is different depending on the Bluetooth device. Refer to the manual for your Bluetooth device to establish a connection.
While connecting, **Pair your phone** is displayed. If the connection is established, **Paired** is displayed.
■ If the connection fails, **Error** is displayed. In such cases, try again from the beginning.
■ You may also need to enter a PIN code into this unit. If your telephone requires a PIN code to establish a connection, look for the code on the telephone or in its accompanying documentation.
■ The PIN code is set to **0000** as the default, but can be changed. Refer to *Entering PIN code for Bluetooth wireless connection* on the next page.

## Connecting to a Bluetooth device automatically

If this function is set to on, a connection between your Bluetooth device and this unit will take place automatically as soon as the two devices are less than a few meters apart.
Initially, this function is set to on.

**1   Display the Bluetooth Connection Menu.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2   Touch Auto Connect to turn automatic connection on.**
If your Bluetooth device is ready for a Bluetooth wireless connection, a connection to this unit will automatically be established.
■ To turn automatic connection off, touch **Auto Connect** again.
If connection fails, "**Auto connection failed. Retry?**" appears. Touch **Yes** to reconnect.

**3   Once you turn your vehicle's ACC switch on again, a connection is established automatically.**

## Switching visible unit

This function sets whether or not to make this unit visible to the other device.
Initially, this function is set to on.

**1   Display the Bluetooth Connection Menu.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2   Touch Visibility to select visibility off.**
■ To turn visibility on, touch **Visibility** again.

## Displaying Bluetooth Device address

This unit displays its Bluetooth device address.

**1   Display the Bluetooth Connection Menu.**
Refer to *Introduction of Bluetooth telephone operations* on page 37.

**2    Touch Device Information to display de-
vice information.**
The Bluetooth device address is displayed.

## Entering PIN code for Bluetooth wireless connection

To connect your Bluetooth device to this unit
via Bluetooth wireless technology, you need to
enter a PIN code on your Bluetooth device to
verify the connection. The default code is
**0000**, but you can change it with this function.

**1    Display the Bluetooth Connection
Menu.**
Refer to *Introduction of Bluetooth telephone op-
erations* on page 37.

**2    Touch PIN Code Input to select
PIN Code Input.**

**3    Touch 0 to 9 to input pin code.**

**4    After inputting PIN code (up to 8 di-
gits), store in this unit.**

| ↵ | Storing the PIN code in this unit. |

▣

# Introduction of Theme setting menu operations

Refer to *Basic operations* on page 14.

## Selecting the illumination color

This unit is equipped with multiple-color illu-
mination.

### Direct selection from preset illumination colors

You can select an illumination color from the
color list.

**1    Display the Theme menu.**
Refer to *Basic operations* on page 14.

**2    Touch Illumination and then touch a
color on the list.**

### Customizing the illumination color

**1    Display the Theme menu.**
Refer to *Basic operations* on page 14.

**2    Touch Illumination and then touch
Custom.**

**3    Display the customizing menu.**

| 🔧 | Displaying the customizing menu. |

**4    Touch the color bar to customize the
color.**

**5    Touch ◄ or ► to fine-tune the color.**

**6    Touch the icon and hold to store the
customized color in the memory.**

| **Memo** | Storing the customized color in the memory. |

The customized color has been stored in the
memory.
The set color will be recalled from the memory
the next time you touch the same icon.

## Menu operations

## Selecting the OSD (on-screen display) color

The OSD color can be changed.

**1   Display the Theme menu.**
Refer to *Basic operations* on page 14.

**2   Touch Screen.**

**3   Touch one of the colors on the list.**

## Selecting the background display

You can switch the background that is displayed when listening to a source.

**1   Display the Theme menu.**
Refer to *Basic operations* on page 14.

**2   Touch Background.**

**3   Touch the desired setting.**
■ If no JPEG images are stored in this unit, you cannot select photo. To store a JPEG image to this unit, refer to *Capture an image in JPEG files* on page 48.
■ If you want to delete the captured JPEG image, touch and hold the key of the JPEG image.
■ You can view the hidden settings by dragging/flicking the display. ▣

## Setting rear monitor output

The output source for the rear monitor can be switched to the following:

- **Mirror** – The source on the front screen of this unit
  **Disc** – The video and sound from the disc
  **USB/iPod 1** – The video and sound from the USB storage device
  **SD** – The video and sound from the SD card
  **AV** – The video and sound from AV input
  **Off**– No source

### Notes

- You cannot play DivX files on the rear and front monitors at the same time.
- The port that supports the rear monitor will only be USB input 1.
- **USB/iPod 1** and **SD** are compatible DivX/ MPEG-4/WMV/H.264 only.
- You cannot use this function while using MIX-TRAX. If you use MIXTRAX while this function is in use, this function will turn off. ∎

## Adjusting the response positions of the touch panels (Touch Panel Calibration)

If you feel that the touch panel keys on the screen deviate from the actual positions that respond to your touch, adjust the response positions of the touch panel. There are two adjustment methods: 4-point adjustment, in which you touch four corners of the screen; and 16-point adjustment, in which you make fine-adjustments on the entire screen.

- Park your car in a safe place and use this function. Do not operate it while driving.
- Touch the screen gently for adjustment. Forcefully pressing the touch panel may damage the touch panel. Do not use a sharp pointed tool such as a ballpoint pen or mechanical pen. Doing so may damage the screen.
- If the touch panel cannot be adjusted properly, consult your local Pioneer dealer.

1   **Turn the unit off.**
Refer to *Basic operations* on page 14.

2   **Press and hold HOME to start Touch Panel Calibration.**
The 4-point touch panel adjustment screen appears. When 2-point appears at once, touch both.

3   **Touch each of the arrows on the four corners of the screen.**
- To cancel the adjustment, press and hold **HOME**.

4   **Press HOME to complete 4-point adjustment.**
Data for the adjusted position is saved.
- Do not turn off the engine while the data is being saved.

5   **Press HOME to proceed to 16-point adjustment.**
The 16-point touch panel adjustment screen appears.
- To cancel the adjustment, press and hold **HOME**.

6   **Gently touch the center of the + mark displayed on the screen.**
After you touch all the marks, the data for the adjusted position is saved.
- Do not turn off the engine while the data is being saved.

7   **Press and hold HOME to complete the adjustment.** ∎

## Using an AUX source

A separately sold auxiliary device such as a VCR or portable device can be connected to this unit. When connected, the auxiliary device is automatically recognized as an AUX source and is assigned to **AUX**.

### About AUX connection methods

You can connect auxiliary devices to this unit.

# Other functions

## Mini pin plug cable (AUX)

*When connecting an auxiliary device using a
mini plug cable*
iPods and portable audio/video players can be
connected to this unit via mini plug cable.

- If an iPod with video capabilities is con-
  nected to this unit via 3.5 mm plug (4 pole)
  cable (such as the CD-V150M), you can
  enjoy the video contents of the connected
  iPod.
- A portable audio/video player can be con-
  nected by using a 3.5 mm plug (4 pole) with
  an RCA cable (sold separately). However,
  depending on the cable, a reverse connec-
  tion between the red (right side audio)
  cable and yellow (video) cable may be re-
  quired in order for the sound and video
  image to be reproduced correctly.

● **Insert the stereo mini plug into the
AUX input jack on this unit.**
Refer to *Installation* on page 77.
Refer to *What's what* on page 11. ▣
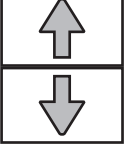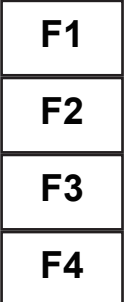
## Using an external unit

An external unit refers to a Pioneer product,
such as those which will be available in the fu-
ture. Although incompatible as a source, the
basic functions of up to two external units can
be controlled with this unit. When two external
units are connected, the external units are
automatically allocated to external unit 1 or ex-
ternal unit 2.
The basic operations of the external unit are
explained below. The allocated functions will
differ depending on the connected external
unit. For details concerning these functions,
refer to the owner's manual for the external
unit.

## Basic operations

The functions allocated to the following opera-
tions will differ depending on the connected
external unit. For details concerning these

functions, refer to the owner's manual for the
connected external unit.

| | |
|---|---|
| **Auto ↰ Manual** | Switching to auto or manual. |
| **A/V Change** | Switching to video or audio. |
| ⊡ | Changing the screen mode. Refer to *Changing the wide screen mode* on page 48. |
| **EQ** | Switching the equalizer curves. Refer to *Using the equalizer* on page 56. |
| ⬆⬇ | Actions will differ depending on the connected external unit. |
| **F1** **F2** **F3** **F4** | Function 1 to 4 Actions will differ depending on the connected external unit. |

# Other functions

| | |
|---|---|
| **Band** | Actions will differ depending on the connected external unit. |
| **1** | |
| **2** | |
| **3** | Actions will differ depending on the connected external unit. |
| **4** | |
| **5** | |
| **6** | |

■