



- In order to improve the product performance, the functions and services in this manual are subject to change without notice. In case of software update, the screens in this manual may differ from actual ones on the product.
- Functions and services in this manual may differ from those in the actual vehicle. For more details, refer to the owner's manual or brochure of your vehicle.
- The design and specification of the system may change without prior notice for performance improvement.
- This multimedia system contains open source software, including without limitation, software distributed and/or modified under the GNU General Public license, Version 2, June 1991, and the GNU lesser General Public License, Version 2.1, February 1999.  
For additional information and to obtain related materials including without limitation, the previous referred to licenses and software, please contact us at [MOBIS\\_OSSrequest@mobis.co.kr](mailto:MOBIS_OSSrequest@mobis.co.kr)

# Available materials for operation



## Quick Guide

Provided in the format of a booklet. It provides brief information of the system, including basic controls and main functions.

# Symbols in this User's Manual



## Warning

Indicates very important information directly related to user safety. Failure to follow instructions may cause serious injury.



## Caution

Indicates important information directly related to user safety. Failure to follow instructions may cause minor injury or vehicle damage or breakdown.



## Note

Indicates helpful information for operation of the product.

## If equipped

Displays optional or unequipped features.

This User's Manual handles all trim models and all optional features. Accordingly, some features may not be available in your vehicle.

# Safety Warnings

Be sure to keep the following instructions. Otherwise, it may cause serious injury or accident.

## **Driving**

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Keep traffic regulations while driving.

- Relying solely on the navigation system may cause violation of traffic rules and regulations, resulting in an accident.

In order to check the vehicle speed, see the speedometer first, not the speed on the navigation system.

- The speed on the navigation system may differ from actual vehicle speed.

While driving, refrain from watching the screen.

- An accident may occur by negligence in keeping your eyes forward.
- To manipulate the screen or buttons requiring multiple steps, be sure to stop your vehicle.

To use your mobile phone, first stop your vehicle.

- If you use your mobile phone while driving, it may disperse your attention, resulting in an accident.
- When making a call while driving, use the Bluetooth Hands-free function and if possible, minimise the call time.

Make sure that the volume of the phone is sufficiently low so that the external sound is audible.

- When you drive with no external sound present may cause a traffic accident.
- When you drive for a long time with a loud audio volume, it may affect your hearing.

For emergency services (e.g. hospital, fire station), do not rely solely on the navigation system..

- Some emergency services may not be included in the navigation map. Obtain information in advance for emergency situations.

## **System handling**

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Do NOT arbitrarily disassemble or modify the system.


- It may cause accident, fire, or electric shock.

Exercise caution to make sure that no liquid or foreign materials enter the system.

- It may cause smoke generation, fire ignition, or system failure.

When the screen is not displayed, the volume is muted, or other system failures occur, immediately stop using the system.

- Otherwise, it may cause fire, electric shock, or fatal system failure.

 When a problem is found, contact the customer service centre or service agency of the company.

# Safety Precautions

Be sure to keep the following instructions. Otherwise, it may cause minor injury or system damage.

## Operation

Use the system with the vehicle started.

- When you use the system for a long time with the vehicle stopped, it may cause battery discharge.

Do NOT arbitrarily install an aftermarket product not authorised by KIA Motors Company.

- It may cause system errors.
- Any problems caused by an unauthorised aftermarket product are not covered by the warranty.

## System handling


Do NOT apply excessive force to the system.

- When you apply excessive pressure to the screen, the LCD panel or touch panel may get damaged.

To clean the screen or button panel, first turn off the vehicle and then use a dry, soft cloth to wipe it.

- Do not wipe using a rough or hard cloth, chemical fiber, organic solvent (e.g. alcohol, benzene, thinner), or air freshener. The panel surface may become scratched or damaged due to chemical reaction.

When you install an air freshener on the air conditioner vent, the surface may be deformed due to leakage.

 When a problem is found, contact the customer service centre or service agency of the company.

# 01

## System overview



Component names and functions

Turning the system on or off

Using the touch screen

Home screen


All menus screen

Using the Favourites

Split screen

# Component names and functions

## Control panel

 The system shape and menu arrangement may differ depending on the vehicle model and specifications.

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**PWR button/VOL knob**

- Press the button to turn on or off the AVN (radio/media).
- Press and hold the button to turn off the screen and sound.
- Turn the knob left or right to adjust the system volume.
- Turn the knob while hearing a guidance message to adjust the volume.

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**Custom button**  
(☆)

- Runs the user-defined function.
  - Press and hold the button to display the custom settings screen.
- 

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**< SEEK/TRACK > button**

- Changes the broadcast program, channel, music, or file while using the AV function.
- Press and hold the button to search a broadcast program while listening to radio.
- Press and hold the button to fast forward or rewind during playback (not applicable in Bluetooth audio mode).

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**RADIO button**

- Turns on the radio.
- When you press the button repeatedly with the radio turned on, it toggles between FM and AM modes.

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**MEDIA button**

- Runs the connected medium.
- When you press the button twice with a medium connected, the media selection window appears.

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**SETUP button**

- Displays the Settings screen.
  - When you press and hold the button the System Info screen appears.
-

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**TUNE knob/FILE knob/ENTER button**

- Turn the knob to change the frequency and channel while listening to radio.
- Turn the knob to search music or file while playing media.
- Press the button to select a channel, music, or file during a search.
- Turn the knob on the map screen to zoom in or out the map (if equipped).  
▶ see TUNE Knob function.”
- When you press and hold the button, the TUNE Knob Function screen appears.


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**System Reset button**

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- Resets the system.

## Steering wheel remote control

 The system shape and menu arrangement may differ depending on the vehicle model and specifications.

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**MODE button**

- Press the button repeatedly to toggle among radio and media modes.
- Press and hold the button to display the settings for the steering wheel mode button: ▶ see “System status indicator icons.”

---

**Move lever (^/∨)**

- Changes the broadcast program, channel, music, or file while using the AV function.
- Push and hold the lever to search a broadcast program while listening to radio.
- Push and hold the lever to fast forward or rewind while playing media (except for Bluetooth Audio mode).

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**Volume lever (+/-)**

- Push the lever up or down to adjust the volume.

---

**Mute button (🔇)**

- Press the button to mute or unmute the volume (except for navigation sound).
  - Press the button to pause or resume during playback.
-



### Call button (📞)

- Before connection of Bluetooth: Press to display the Bluetooth connection window.
- After connection of Bluetooth: Press to display the recent calls list, press and hold to redial the last number, and press for an incoming call to answer it.
- On a Bluetooth call: Press to switch to Call Waiting and press and hold to switch between the system and mobile phone.

### End Call button



- During a Bluetooth call, press to place the call on hold.
- Press to ignore a call with the Bluetooth connected.


### Voice Recognition button (🗣️)

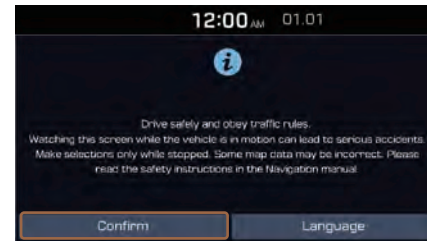
- Press and hold to start voice recognition on your smartphone through Phone Projection; press to end voice recognition.
- Press and hold the button to end the function.

# Turning the system on or off

## Turning on the system

- 1 Turn on the vehicle.
- 2 When a safety warning message appears, read it and touch **Confirm**.

 To change the display language, touch **Language**.



## Turning off the system

To turn off the system while driving, press and hold the [**PWR**] button on the panel.

The screen and sound are turned off.

- ✍ To use the system again, press the [**PWR**] button.
- ✍ When you turn off the vehicle, the system automatically turns off.

### Warning

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- Some functions may not be active while driving to ensure safety. Those functions run only when the vehicle is stationary. In order to use them, first stop the vehicle.
- When the screen is not displayed, the volume is muted, or other system failures occur, immediately stop using the system. When you use the faulty system continuously, it may cause fire, electric shock, or fatal system failure.

### Caution

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- The system can be turned on even when the ignition switch is in "ACC" or "ON." However, when you use the system without turning on the vehicle for a long time, it may cause battery discharge. To use the system for a long time, be sure to turn on the vehicle.
- When you use the system with the vehicle turned on, the battery warning message appears. The warning message disappears as soon as you turn on the vehicle.

- ✎ When you turn off and on the vehicle, the system is turned on with the mode and settings used when the vehicle was turned off.
- ✎ To prevent audio from playing loud when you turn on the vehicle, adjust the system volume to an adequate level.
- ✎ To automatically decrease the system volume, move to the All menus screen and touch **Settings ▶ Sound ▶ Volume ratio ▶ Start-up Volume Limit** to set the function.

## Using the touch screen

This system is equipped with a touch-type screen. You can use various practices by using this feature.

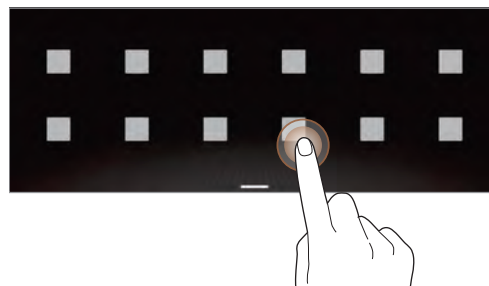
### Caution

- Do not press the touch screen with excessive force or a sharp object. The touch screen may become damaged.
- Be careful for the touch screen not to contact any electrically charged object. Static or other electric shock may cause the system to malfunction or damage the touch screen.
- ✎ The touch screen will not respond when you are wearing gloves. Take off the gloves or wear electrostatic touch gloves.

## “Touch” gesture

Lightly touch the desired item and release the finger.

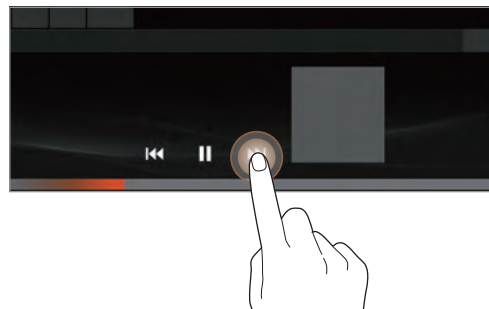
The corresponding function is run or the corresponding menu is selected.



## “Touch and hold” gesture

Touch and hold the desired item.

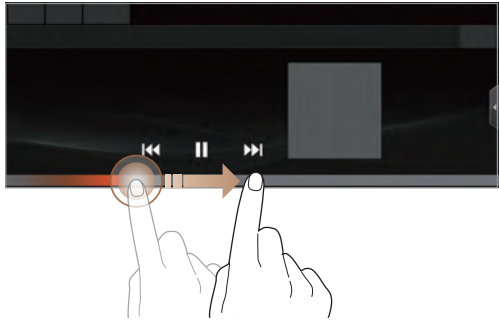
It is used to fast forward or rewind during playback.



## “Slide” gesture

On the media playback screen, touch the slide bar to change the playback position.

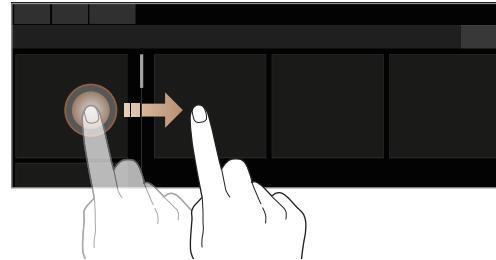
You can change the playback position during playback.



## “Drag” gesture

Touch and hold the desired item and drag it to another position.

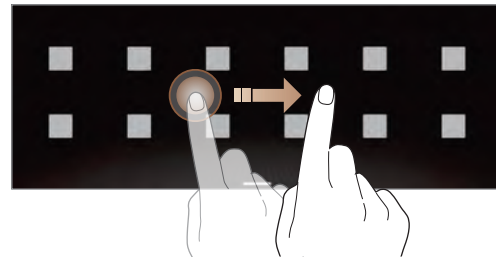
The selected item moves to the new position.



## “Swipe” gesture

Lightly swipe the screen in the desired direction.

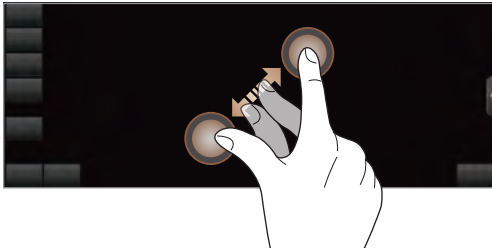
It is used to move fast vertically or horizontally across the menu screen or options list.



## “Spread/pinch” gesture

On the map screen, touch and hold the screen with two fingers and spread or pinch the fingers.




It is used to zoom in or out the map.



## Home screen

The Home screen provides various functions.

The Home screen is provided with two different types: **One page Home screen** and **Multi-page Home screen**. The characteristics of each type are as follows.

- The way to access the All menus screen differs depending on the type. ▶ see “All menus screen.”
  - The One page Home screen provides widgets and shortcut icons. The map widget position is fixed. The other two widgets and icons can be customised to suit your preferences.
  - The Multi-page Home screen can display three different widgets. All widgets can be customised to suit your preferences.
-  This User’s Manual provides operation descriptions based on the initial state of the Multi-page Home screen.
-  To return to the Home screen from other screens, touch .

## Setting the Home screen type

You can set the Home screen type.

- 1 On the Home screen, touch **Menu** ► **Edit Home layout**.
- 2 Select the desired type.

## One page Home screen

The layout of the One Page Home screen is as follows:

- 1 Displays the current date and time.
- 2 Displays the icon to let you know the current status. ► see *“System status indicator icons.”*
- 3 Displays active widgets. When a widget is touched, the corresponding function runs in full screen. ► see *“Editing widgets on the One page Home screen.”*
- 4 Displays the map widget. When the map widget is touched, the map appears in full screen.
- 5 The All menus screen appears. In this case, all menus appear on the One Page Home screen.

- 6 Displays the Call screen.
- 7 When the phone projection is connected, the corresponding screen appears.
- 8 Can display the direction of Mecca upon a prayer time.
- 9 Displays the Favourites screen. ► see “Using the Favourites.”
- 10 The list of menu items appears.
  - **Edit Home widgets:** Used to edit the types and positions of widgets on the Home screen.
  - **Edit Home icons:** Used to edit the types of icons on the Home screen.
  - **Edit Home layout:** Used to change the Home screen type to the One page Home screen or Multi-page Home screen.
  - **Manual:** Displays the QR code that provides access to the online user manual for the system.

## Editing widgets on the One page Home screen

You can edit the types and positions for widgets to display on the One page Home screen.


- 1 On the Home screen, touch **Menu** ► **Edit Home widgets**.
- 2 Perform any of the following options:
  - To change the widget type, touch and hold the desired widget and then drag it from the widget list to the widget area.
  - To change the location of a widget, touch and hold the widget and then drag it in the widget area to the desired position.



- 1 List of widgets
  - 2 Widget area
- ✎ You cannot change the map widget to another one on the One page Home screen.
  - ✎ To initialise the types and positions of widgets, touch **Default**.


## Editing icons on the One page Home screen

You can arrange frequently used icons at the bottom of the One page Home screen to run the functions directly.

- 1 On the Home screen, touch **Menu ► Edit Home icons**.
  - 2 Perform any of the following options:
    - To change the icon type, touch and hold the desired icon and then drag it from the icon list to the icon area.
    - To change the location of an icon, touch and hold the icon and then drag it in the icon area to the desired position.
-  To initialise the types and positions of icons, touch **Default**.

## Multi-page Home screen

The layout of the Multi-page Home screen is as follows:

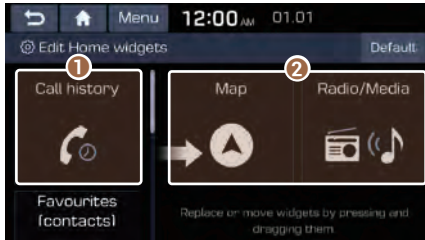
- 1 Displays the current date and time.
  - 2 Displays the icon to let you know the current status. ► see ["System status indicator icons."](#)
  - 3 Displays active widgets. When a widget is touched, the corresponding function runs in full screen. ► see ["Editing widgets on the Multi-page Home screen."](#)
  - 4 The list of menu items appears.
    - **Edit Home widgets:** Used to edit the types and positions of widgets on the Home screen.
    - **Edit Home icons:** Used to edit the types of icons on the Home screen.
    - **Edit Home type:** Used to change the Home screen type to the One page Home screen or Multi-page Home screen.
    - **Manual:** Displays the QR code that provides access to the online user manual for the system.
-  To see all menus in Multi-page Home screen, swipe the screen to the left.



## Editing widgets on the Multi-page Home screen

You can edit the types and positions of the widgets to display on the Multi-page Home screen.

- 1 On the Home screen, touch **Menu ► Edit Home widgets**.
- 2 Perform any of the following options:
  - To change the widget type, touch and hold the desired widget and then drag it from the widget list to the widget area.
  - To change the location of a widget, touch and hold the widget and then drag it in the widget area to the desired position.



1 List of widgets

2 Widget area

- ✎ To initialise the types and positions of widgets, touch **Default**.

## Editing icons on the Multi-page Home screen

You can see and rearrange the list of icons in the Multi-page Home screen.

- 1 On the Home screen, touch **Menu ► Edit Home icons**.
- 2 To change the location of an icon, touch and hold, and drag the icon to the desired position.

- ✎ To return an icon's position to the default setting, touch **Default**.

# All menus screen

You can see all menus for each Home on a single screen.

## Viewing the list of all menus on One page Home Screen

On the Home screen, touch the icon for **All menus**.

## Seeing all menus on the Multi-page Home screen

Touch and gently swipe the Home screen to the left as shown below.

The All menus screen appears.

# Using the Favourites

You can add frequently used menus as favourite icons and run the icons directly on the Home screen or All menus screen.

## Adding a favourite menu

- 1 On the All menus screen, touch **Favourites ► Add to favourites**.



- ✍ When there is any previously added favourite icon, move to the Favourites screen and touch **Menu ► Add**.
- ✍ You can add favourite icons up to 24 menus.

- 2 Select an item to add and touch **Add ► Yes**.

## Arranging the items in Favourites

You can change the order of items in Favourites.

- 1 On the All menus screen, touch **Favourites ► Menu ► Rearrange**.
- 2 Touch and hold an item and then drag it to the desired position.
  - ✍ You can only change the order of icons. You cannot move an icon to a blank space.

## Deleting items in Favourites

You can delete items from the list of favourites.

- 1 On the All menus screen, touch **Favourites ► Menu ► Delete**.
- 2 Select an item(s) to delete and touch **Delete ► Yes**.

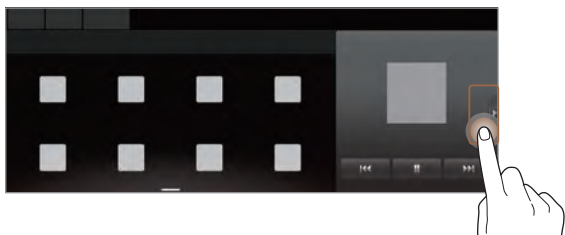
# Split screen

You can set to display various information such as map, AV info, driving info, and clock on the split system screen.

## Opening the split screen

Touch the split screen button.

The split screen appears on the right.



 When the **Menu** button exists at the top of the screen, you can open the split screen by touching **Menu ▶ Split screen**.



## Editing the split screen

You can change information on the the split screen.

Touch and hold, and then drag the split screen up or down to select the desired information item.



## Closing the split screen

Touch the split screen button when the split screen is open.

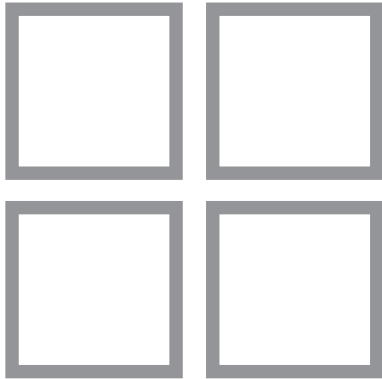
 When the **Menu** button exists at the top of the screen, you can close the split screen by touching **Menu ▶ Split screen**.

MEMO



# 02

## Useful functions



Using the phone projection function

Driving assist video

# Using the phone projection function

When you connect an Android smartphone or iPhone to the vehicle with a USB cable, you can run and control applications on the phone through the wide screen using its user-friendly interface.

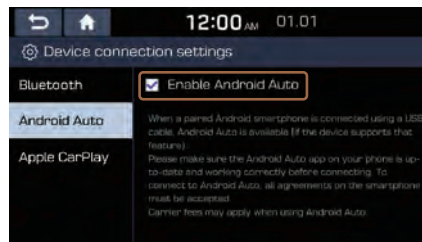
## Pairing to an Android smartphone via Android Auto

When you connect an Android smartphone to the vehicle with Android Auto, you can run and control applications on the phone through the wide screen using its user-friendly interface.

### 1 To use Android Auto, first check the following.

- Visit the Android Auto website at <https://www.android.com/auto> to check the list of countries, device types, and models that support Android Auto.
- Download and install the Android Auto application from Google Play Store. It is not possible to install Android Auto in countries that do not support the feature.

- 2 On the All menus screen, touch **Settings** ► **Device Connection** ► **Android Auto** and select the **Enable Android Auto** checkbox.



- 3 Connect a smartphone to the multimedia USB port on your vehicle by using the USB cable.
  - ✎ When connection is made for the first time, the system screen displays a notification window. Check the details and then touch **OK**.
  - ✎ To end the Android Auto and disconnect from the smartphone, remove the USB cable from the system.

### **Caution**



Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.

#### 4 When the smartphone is locked, unlock it first and then consent to the use of Android Auto.

After the smartphone is recognised, the Home screen displays the **Android Auto** menu.

#### 5 On the All menus screen, touch **Android Auto**.

#### 6 Perform the desired function.

- To run the functions for phone, music, or navigation on the smartphone, touch the corresponding app icon.
- To use the Google voice recognition, press the [] button on the steering wheel.
- To run a media app on the smartphone through the system, press the [MODE] button on the steering wheel.
- To make a Bluetooth call, press the [] button on the steering wheel.

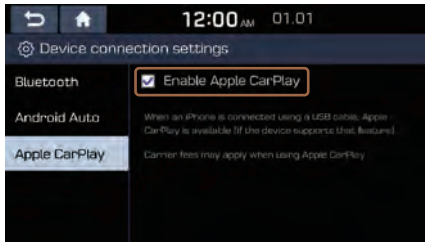
- ✎ You cannot change the Android Auto settings when connected via a USB cable.
- ✎ The icons on the screen are subject to change according to the policy of Google Corporation.
- ✎ Applications or functions used through Android Auto are subject to change according to the policy of Google Corporation. For supportable functions, visit the Android website at <https://www.android.com/auto>.
- ✎ To use the functions on your smartphone with the minimised system settings, update the smartphone OS to the latest version.
- ✎ The recognition time may differ depending on the device type, firmware, and OS version.
- ✎ Charges may apply for any mobile data used while Android Auto is running.
- ✎ Some functions may not work properly depending on the network signal strength.
- ✎ Avoid interacting with the smartphone while using Android Auto.
- ✎ You cannot use the following functions when Android Auto is in use.
  - USB mode
  - Browse function using the [TUNE/FILE] knob
  - Apple CarPlay



## Pairing to an iPhone via Apple CarPlay

After you connect an iPhone to the vehicle with Apple CarPlay, you can run and control applications on the phone through the system screen.




- 1 To use Apple CarPlay, first check the following:
  - For iPhone models that support Apple CarPlay, visit the Apple website at <https://www.apple.com/kr/ios/carplay>.
  - Make sure that the Apple CarPlay is activated in the iPhone settings. When Apple CarPlay is not available, update to the latest version of iOS.
- 2 On the All menus screen, touch **Settings** ► **Device Connection** ► **Apple CarPlay** and then check **Enable Apple CarPlay**.



- 3 Connect an iPhone to the multimedia USB port on the vehicle by using the provided USB cable.
    - ✎ When connection is made for the first time, the system screen displays a notification window. Check the details and then touch **OK**.
    - ✎ To end the Apple CarPlay and disconnect from the iPhone, remove the USB cable from the system.
- Caution**
- Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.
- 4 When the iPhone is locked, unlock it first and then consent to the use of Apple CarPlay.

After the iPhone is recognised, the Home screen displays the **Apple CarPlay** menu.
  - 5 On the All menus screen, touch **Apple CarPlay**.


## 6 Perform the desired function.

- To run any of functions (phone, messaging, navigation, etc.) on your iPhone, touch the corresponding function icon.
- To display the system Home screen, touch .
- To run the media application in the iPhone, press the **[MODE]** button on the steering wheel.
- To run the Siri voice recognition, press the  button on the steering wheel.
- To answer a call, press the  button on the steering wheel.

- ✎ You cannot change the Apple CarPlay settings when connected via a USB cable.
- ✎ Applications or functions used through Apple CarPlay are subject to change according to the policy of Apple Corporation. For supportable functions, visit the Apple Corporation website at <http://www.apple.com/ios/carplay>.
- ✎ To use the functions on your smartphone with the minimised system settings, update the smartphone OS to the latest version.
- ✎ The recognition time may differ depending on the device type, firmware, and OS version.
- ✎ Charges may apply for any mobile data used while Apple CarPlay is running.
- ✎ Some functions may not work properly depending on the network signal strength.
- ✎ Avoid interacting with the smartphone while using Apple CarPlay.
- ✎ You cannot use the following functions when Apple CarPlay is in use.
  - Bluetooth
  - USB mode
  - Browse function using the **[TUNE/FILE]** knob
  - Android Auto

# Driving assist video

You can see the view outside the vehicle through the system screen.

 The displayed screen may differ depending on the vehicle model.

## Warning

When backing up, make sure to follow the guidelines below:

- Before entering your vehicle, always check the area behind your vehicle.
- Do not solely rely on the rear view camera when backing up. Always ensure that it is safe to back up by checking behind you and looking in the rearview mirrors.
- Always back up slowly and stop immediately if you suspect that a person, especially a child, might be behind you.

## Caution

The distance shown on the screen may differ from the actual one. Be sure to check the rear and left and right sides with your own eyes for safety.

# Using the rear-view video

- 1 Press the "R" (Reverse) button shifter (or move the shift lever to "R" in a previous vehicle model) with the vehicle turned on.

The system automatically displays the rear view with parking assist guide lines.

- 2 Safely park your vehicle, checking the rear view and guide lines.



### **1 Moving direction lines (yellow)**

Displays the vehicle's moving direction based on the steering angle.

### **2 Neutral steering lines (blue)**

Displays the moving direction if you reverse the vehicle in neutral. Noting these lines, you can determine whether the vehicle is stopped in correct direction and the distances to the neighboring vehicles are adequate.

### 3 Collision warning lines (red)

Used to prevent collision.

### 4 Rear top view button

Touch the button to display the rear top view.

### 5 Parking distance warning

While parking the vehicle, the warning color changes for three different levels (1/2/3) depending on the distance to obstacles.

### 6 Camera image adjustment

Used to adjust the brightness and contrast of camera images.

✎ The rear view screen remains active even if you shift to any position other than "R" (Reverse) after reversing. However, the parking guides do not appear on the screen. When you shift to "P" (Park) or drive at a predetermined speed or faster, the rear view screen will be deactivated and the system will display the previous screen automatically.

✎ You can change the operation setting for the rear view camera. On the All menus screen, touch **Settings** ► **Advanced** ► **Extend rear camera use (if equipped)**.

✎ Noting the parking assist guide lines based on the steering, you can see the moving direction.



✎ A warning sound is heard when the vehicle approaches obstacles while parking. When you set to automatically lower the audio volume while parking, it can prevent accidents caused by failure to hear the warning sound. On the All menus screen, touch **Settings** ► **Sound** ► **Volume ratio** ► **Proximity Warning**.

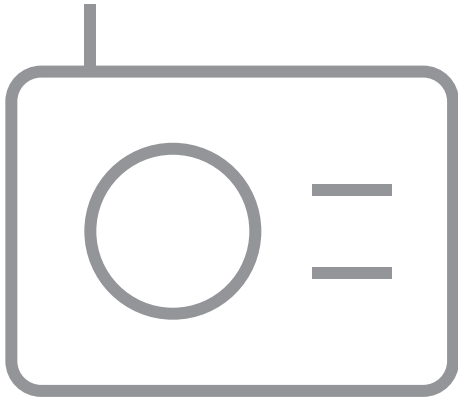
MEMO



# 03

## Radio

Manipulating the radio



# Manipulating the radio

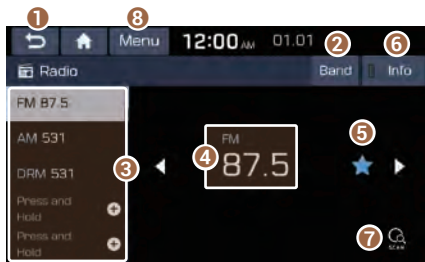
You can scan radio channels by using various options. Save your favourite channels to the presets list.

Perform any of the following options:

- On the All menus screen, touch **Radio**.
- On the control panel, press the **[RADIO]** button.

## Radio screen

The radio screen provides various functions while listening to radio broadcasts.



- 1 Used to return to the previous screen.
  - 2 Can change the radio mode.
  - 3 Presets list
  - 4 Radio broadcast information
  - 5 You can delete or save the current frequency to the presets list.
  - 6 Split Screen: Can turn on or off the split screen mode.
  - 7 You can listen to each radio channel for a short time and select a desired channel.
  - 8 The list of menu items appears.
    - **Station list:** Can see the list of available radio stations.
    - **Auto-sort favourites:** Used to sort the presets according to the order of radio station frequencies.
    - **Reorder favourites:** Can change the location of a channel by dragging on the presets list.
    - **Delete favourites:** Can delete a registered channel from the presets list.
    - **Sound settings:** Can configure system sound settings.  
▶ see "Configuring the sound settings."
    - **Manual:** Displays the QR code that provides access to the online user manual for the system.
    - **Split screen:** Can turn on or off the split screen mode.
- ✎ The broadcast station names and local information are displayed using GPS data. Those information may not appear when there is no GPS data received.
- ✎ The displayed broadcast station names may not match the actual ones.

## Changing the radio mode

Perform any of the following options:

- On the **Radio** screen, touch **FM/AM** repeatedly.
- On the control panel, press the [**RADIO**] button repeatedly.

The radio mode changes in the order of **FM ► AM**.



## Changing the radio channel

Perform any of the following options:

- On the **Radio** screen, touch a desired channel from the presets list.
  - ✎ You can change the channel simply by pushing the [**^**/**v**] lever on the steering wheel.
- On the control panel, press the [**< SEEK**] or [**TRACK >**] button. You can move to the previous or next channel with good reception.
- When you know an accurate frequency, turn the [**TUNE/FILE**] knob on the control panel to change the frequency.

You can listen to the changed radio broadcast.



## Using the scan function

You can listen to each broadcast briefly and select a desired one.

- 1 On the **Radio** screen, touch .

Only the channels with good reception can be listened for 5 seconds in turn.




- 2 When you find the desired broadcast, touch .

You can continue listening to the scanned channel.

## Registering the current radio channel



When you register the current channel, you can easily select it later.

Perform any of the following options:

- While listening to a broadcast, touch and hold an empty preset number with no channel on the radio screen.
- While listening to a broadcast, touch  in the middle of the screen.


The current channel is added to the presets list.



-  Touch and hold a previously configured preset number to reassign it with the currently listening channel.
-  You can register up to 40 channels.

## Editing the radio channel list

### Changing the order of registered channels



- 1 On the **Radio** screen, touch **Menu ► Reorder favourites**.
- 2 On the presets list, touch  next to the channel you want to move, then drag it to reposition.

The presets list is updated with the sequences changed.

### Deleting a registered channel

- 1 On the **Radio** screen, touch **Menu ► Delete favourites**.
- 2 Select the channel to delete and touch **Delete ► Yes**.

The channel is deleted and the preset number is emptied.

-  When the current channel is already assigned to the presets list, touch the  icon to remove the channel from the list.

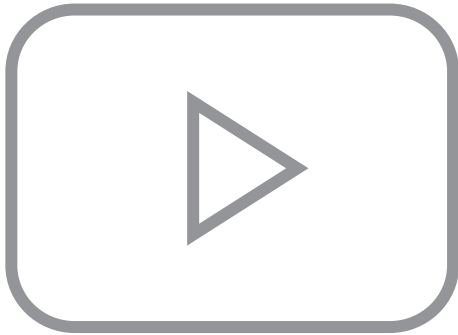
MEMO



# 04

## Media

Using media

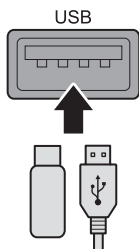


# Using media

You can use the USB mode to play music or video files on a connected mobile device, such as USB device and MP3 player. You can also play Bluetooth music by connecting a Bluetooth device, which supports a Bluetooth function.

## Listening to music from a USB device

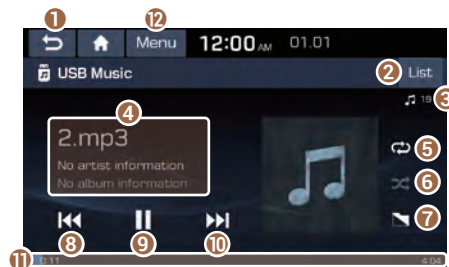
- 1 Connect a media device to play to the multimedia USB port.



- ✍ Playback may start automatically depending on the media type.
- ✍ For more information about supportable devices and file types: ► see "USB mode."
- ✍ The shapes and arrangement of the buttons and multimedia USB port may differ depending on the vehicle model and specifications.

- 2 Perform any of the following options:
  - On the Home screen, touch the AV info widget.
  - On the control panel, press the **[MEDIA]** button.
  - ✍ When multiple media are connected, press the **[MEDIA]** button once more and then touch the desired media source from the media selection window.

## USB music screen






- 1 Used to return to the previous screen.
- 2 Moves to the file list screen.
- 3 Displays the sequence number of the current file and the total number of files for playback.
- 4 Displays the information of the current music.
- 5 Used to change the repeat playback mode.
- 6 Used to turn on or off the random playback mode.

- 7 Used to hide the current music.
- 8 Restart playing the current file or previous file.
- 9 Can pause or resume playback.
- 10 Can play the next file.
- 11 Can see the duration of the playing song and the current playback position.
- 12 The list of menu items appears.
  - **Media Sources:** Opens the media selection window.
  - **Songs for this artist:** Moves to the list of the artist's songs.
  - **Songs for this album:** Moves to the list of music albums that contain the current song.
  - **Sound settings:** Can configure system sound settings.
    - ▶ see "Configuring the sound settings."
  - **Manual:** Displays the QR code that provides access to the online user manual for the system.
  - **Split screen:** Can turn on or off the split screen mode.

## Pause/Resume

You can pause or resume playback of a USB music file.





Perform any of the following options:

- On the USB music playback screen, touch  or .
- On the steering wheel, press the  button.

## Rewind/Fast-forward

You can listen to music in the USB device from the desired point by using this function.






Perform any of the following options:

- On the USB music playback screen, touch and hold  or .
- On the control panel, press and hold the [**SEEK**] or [**TRACK >**] button.
- On the steering wheel, press and hold the [/] lever.

## Resuming playback of the current music

You can play the current music in the USB device from the beginning.






Perform any of the following options:

- On the USB music playback screen, touch .
  - On the control panel, press the [**< SEEK**] button.
  - On the steering wheel, press up the [**^/∨**] lever.
-  When you touch the  button after 3 seconds once playback has started, the current file is played from the beginning.
-  When you touch the  button within 3 seconds after playback starts, the previous file is played.

## Playing the current or next music file


You can play the current or next music file in the USB device.

Perform any of the following options:

- To play the previous file on the USB playback screen, double-touch . Alternatively, double-press the [**< SEEK**] button on the control panel.
  - To play the next file on the USB music playback screen, touch . Alternatively, press the [**TRACK >**] on the control panel.
-  You can also use the [**^/∨**] lever on the steering wheel.
-  On the control panel, turn the [**TUNE/FILE**] knob to search for a music file and press the knob within 5 seconds to play it.
-  When there is no input for 5 seconds, the search stops and the system displays the information of the current file.

## Changing the repeated playback mode for USB music

You can change the repeated playback mode for USB music: Repeat One and Repeat All.


On the USB music playback screen, touch  repeatedly.

Each time the icon is touched, the playback repetition modes are toggled and the activated mode icon appears on the screen.

-  The active mode differs depending on the playing media or list.

## Turning on/off the random playback

You can turn on or off the random playback mode for USB music.

On the USB music playback screen, touch  repeatedly.

Each time the icon is touched, the random playback mode is turned on and off. When the random playback is active, the files are played randomly with no sequence.

## USB music list screen

You can search and play the desired music from the list by touching **List** on the USB music playback screen.



- 1 Used to return to the previous screen.
- 2 Moves to the upper folder or category.
- 3 Displays the folder/category name.
- 4 Can see music files for each category.
- 5 The list of menu items appears.
  - **Media Sources:** Opens the media selection window.
  - **Show current track:** Moves to the folder where the playing file is located. This option is disabled when the file belongs to the current list.
  - **Split screen:** Can turn on or off the split screen mode.

## ⚠ Caution

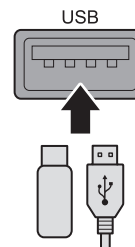
- Be sure to start the vehicle before connecting a USB device. When you start the vehicle after connecting a USB device, the USB device may get damaged.
- Be careful of static electricity when connecting or removing a USB device. It may cause a system failure.
- Be careful for your body or any object not to contact the multimedia USB port. It may cause an accident or system failures.
- Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.
- Do not use a USB device for purposes other than playback. When you connect a USB for charging or heating, the system performance may decrease or it may cause system failures.



- ✍ When connecting a USB storage, do not use a separate extension cable and directly connect to the multimedia USB port. When you connect a USB storage via a USB hub or extension cable, the device may not be recognised.
- ✍ Push the USB connector all the way into the multimedia USB port. When the connector is not fully inserted, a communication problem may occur.
- ✍ Noise may occur when removing a USB device from the system.
- ✍ You can play only the files that have been encoded in the standard format.
- ✍ The following USB devices may not be recognised or may not work properly.
  - Encrypted MP3 players
  - USB devices that are not recognised as removable disks
- ✍ USB devices may not be recognised depending on the device status.
- ✍ Some USB devices may not be supported due to compatibility issues.
- ✍ USB device recognition may take longer than usual depending on the device type, capacity, and file formats on the device.
- ✍ Some devices may not be charged through USB connection. It depends on the USB specifications.
- ✍ You can hide files only in the USB device formatted in exFAT/NTFS/FAT16/32. The hidden files can be found in the "Hidden\_" folder.

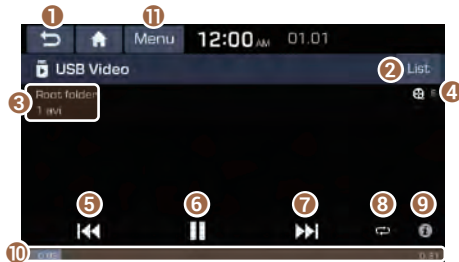
## Playing video from a USB device

- 1 Connect a media device to play to the multimedia USB port.



- ✍ Playback may start automatically depending on the media type.
  - ✍ For more information about supportable devices and file types: ► [see "USB mode."](#)
  - ✍ The shapes and arrangement of the buttons and multimedia USB port may differ depending on the vehicle model and specifications.
- 2 Perform any of the following options:
    - On the Home screen, touch the AV info widget.
    - On the control panel, press the **[MEDIA]** button.
  - ✍ When multiple media are connected, press the **[MEDIA]** button once more and then touch the desired media source from the media selection window.

## USB video screen






- 1 Used to return to the previous screen.
- 2 Moves to the file list screen.
- 3 Displays the folder and file names.
- 4 Displays the sequence number of the current file and the total number of files for playback.
- 5 Restart playing the current file or previous file.
- 6 Can pause or resume playback.
- 7 Can play the next file.
- 8 Used to change the repeat playback mode.
- 9 Can see the information details.
- 10 Can see the duration of the currently playing video and the current playback position.

- 11 The list of menu items appears.
  - **Media Sources:** Can see the media selection window.
  - **Info:** Can see the information of the playing video file.
  - **Change Audio:** Can change the audio track. This option is available when the playing video contains multiple audio tracks.
  - **Sound settings:** Can configure system sound settings.
    - ▶ see "Configuring the sound settings."
  - **Display settings:** Can configure system screen settings.
    - ▶ see "Configuring the display settings."
  - **Manual:** Displays the QR code that provides access to the online user manual for the system.
  - **Split screen:** Can turn on or off the split screen mode.

## Pause/Resume

You can pause or resume playback of a USB video file.




Perform any of the following options:

- On the USB video playback screen, touch  or .
- On the steering wheel, press the  button.

## Rewind/Fast-forward

You can watch video in the USB device from the desired point by using this function.





Perform any of the following options:

- On the USB video playback screen, touch and hold  or .
- On the control panel, press and hold the [**< SEEK**] or [**TRACK >**] button.
- On the steering wheel, press and hold the  lever.

## Resuming playback of the current video

You can play the current video in the USB device from the beginning.

Perform any of the following options:

- On the USB video playback screen, touch .
- On the control panel, press the [**< SEEK**] button.
- On the steering wheel, press up the  lever.
- ✎ When you touch the  button after 3 seconds once playback has started, the current file is played from the beginning.
- ✎ When you touch the  button within 3 seconds after playback starts, the previous file is played.

## Playing the current or next video file

You can play the current or next video file in the USB device.

Perform any of the following options:

- To play the previous video file on the USB playback screen, double-touch **⏮**. Alternatively, double-press the [**< SEEK**] button on the control panel.
- To play the next video file on the USB playback screen, touch **⏭**. Alternatively, press the [**TRACK >**] on the control panel.

- 🔗 You can also use the [**^/∨**] lever on the steering wheel.
- 🔗 On the control panel, turn the [**TUNE/FILE**] knob to search for a video file and press the knob within 5 seconds to play the file.
- 🔗 When there is no input for 5 seconds, the search stops and the system displays the information of the current file.

## Changing the repeated playback mode for USB video

You can change the repeated playback mode for USB video: Repeat One and Repeat All.

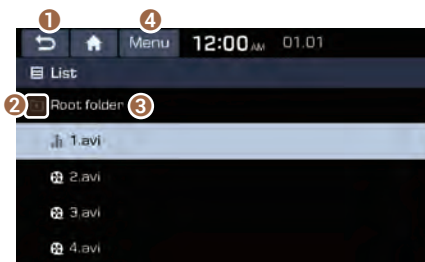
On the USB video playback screen, touch **🔄** repeatedly.

Each time the icon is touched, the playback repetition modes are toggled and the activated mode icon appears on the screen.

- 🔗 The active mode differs depending on the playing media or list.

## USB video list screen

You can search and play the desired video from the list by touching **List** on the USB video playback screen.



- 1 Used to return to the previous screen.
- 2 Moves to the upper folder.
- 3 Displays the folder name.
- 4 The list of menu items appears.
  - **Media Sources:** Can see the media selection window.
  - **Show current track:** Moves to the folder where the playing file is located. This option is disabled when the file belongs to the current list.
  - **Split screen:** Can turn on or off the split screen mode.

 **Caution**

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- Be sure to start the vehicle before connecting a USB device. When you start the vehicle after connecting a USB device, the USB device may get damaged.
- Be careful of static electricity when connecting or removing a USB device. It may cause a system failure.
- Be careful for your body or any object not to contact the multimedia USB port. It may cause an accident or system failures.
- Do not repeatedly connect and remove the USB connector within a short time. It may cause device errors or system failures.
- Do not use a USB device for purposes other than playback. When you connect a USB for charging or heating, the system performance may decrease or it may cause system failures.

- ✎ When connecting a USB storage, do not use a separate extension cable and directly connect to the multimedia USB port. When you connect a USB storage via a USB hub or extension cable, the device may not be recognised.
- ✎ Push the USB connector all the way into the multimedia USB port. When the connector is not fully inserted, a communication problem may occur.
- ✎ Noise may occur when removing a USB device from the system.
- ✎ You can play only the files that have been encoded in the standard format.
- ✎ The following USB devices may not be recognised or may not work properly.
  - Encrypted MP3 players
  - USB devices that are not recognised as removable disks
- ✎ USB devices may not be recognised depending on the device status.
- ✎ Some USB devices may not be supported due to compatibility issues.
- ✎ USB device recognition may take longer than usual depending on the device type, capacity, and file formats on the device.
- ✎ Some devices may not be charged through USB connection. It depends on the USB specifications.

## Listening to music via Bluetooth

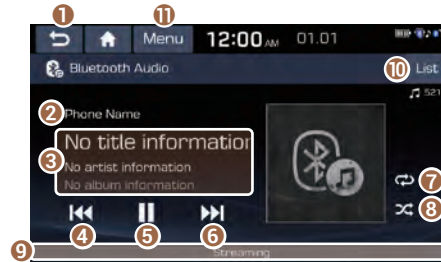
To use a Bluetooth device for audio playback, connect a device that supports Bluetooth communication such as mobile phone and MP3 player.

For more information about Bluetooth connection: ► see [“Connecting a Bluetooth device.”](#)

- ✎ The controls or display screens may differ depending on the connected Bluetooth device, phone model, and music player application.
- ✎ The streaming may not be supported in some music player applications.
- ✎ Some functions may not be available depending on the connected Bluetooth device or phone model.
- ✎ When a media device or mobile phone is connected by both the Bluetooth and USB cable at the same time, the device or system may not work properly. To use the Bluetooth connection, remove all cables from the device.

## Bluetooth audio playback screen

The media player runs when you play a music file from a connected audio device via Bluetooth.






- 1 Used to return to the previous screen.
- 2 Name of the connected Bluetooth device
- 3 Displays the information of the current music.
- 4 Restart playing the current file or play the previous file.
- 5 Can pause or resume playback.
- 6 Can play the next file.
- 7 Used to change the repeat playback mode.
- 8 Used to turn on or off the random playback mode.
- 9 Can see the duration of the playing song and the current playback position.
- 10 Moves to the file list screen.
  - ✎ The list of Bluetooth audio files may not appear depending on the connected device or app.

- ⑪ The list of menu items appears.
- **Connections:** Can configure the Bluetooth connection settings. ▶ see “Connecting a Bluetooth device.”
  - **Sound settings:** Can configure system sound settings. ▶ see “Configuring the sound settings.”
  - **Media Sources:** Opens the media selection window.
  - **Manual:** Displays the QR code that provides access to the online user manual for the system.
  - **Split screen:** Can turn on or off the split screen mode.

## Pause/Resume

You can pause or resume playback of a Bluetooth audio file.




Perform any of the following options:


- On the Bluetooth audio playback screen, touch  or .
- On the steering wheel, press the  button.

## Resuming playback of the current Bluetooth audio file

You can play the current Bluetooth audio file from the beginning.

Perform any of the following options:



- On the Bluetooth audio playback screen, touch .
- On the control panel, press the [**SEEK**] button.
- On the steering wheel, press up the [/] lever.

 The actions required may differ depending on the connected device.

## Playing the current or next audio file

You can play the current or next Bluetooth audio file.


Perform any of the following options:

- To play the previous audio file on the Bluetooth playback screen, double-touch . Alternatively, double-tap the [**< SEEK**] button on the control panel.
- To play the next audio file on the Bluetooth playback screen, touch . Alternatively, press the [**TRACK >**] button on the control panel.

- ✍ You can also use the [**^/∨**] lever on the steering wheel.
- ✍ On the control panel, turn the [**TUNE/FILE**] knob to search for a music file and press the knob within 5 seconds to play it.
- ✍ When there is no operation for 5 seconds, the search stops and the system displays the information of the playing content.
- ✍ The actions required may differ depending on the connected device.

## Changing the repeated playback mode for Bluetooth audio

You can change the repeated playback mode for Bluetooth audio: Repeat One and Repeat All.

On the Bluetooth audio playback screen, touch  repeatedly.


Each time the icon is touched, the playback repetition modes are toggled and the activated mode icon appears on the screen.

- ✍ The active mode differs depending on the playing media or list.




## Turning on/off the random playback

You can turn on or off the random playback mode for Bluetooth audio.

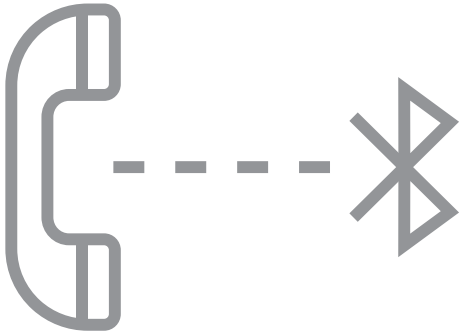
On the Bluetooth audio playback screen, touch  repeatedly.

Each time the icon is touched, the random playback mode is turned on and off. When the random playback is active, the files are played randomly with no sequence.

 The active random playback mode differs depending on the playing media or list.

# 06

## Phone



Connecting a Bluetooth device

Making a call via Bluetooth

Accepting an incoming call over Bluetooth

Checking a new message over Bluetooth

# Connecting a Bluetooth device

Bluetooth is a short-range wireless networking technology. The Bluetooth communication function allows you to exchange data by connecting a Bluetooth device to another neighboring Bluetooth device without a cable connection. With this function, you can use different types of devices more efficiently.

To make a phone call or play audio from a Bluetooth device, check the following first:

- For a device that is not registered to the system, ► [see "Registering a device."](#)
- A registered device will automatically connect to the system when you bring it near the system. If it does not automatically connect, ► [See "Connecting a registered device."](#), ["Disconnecting a registered device."](#)

## **Warning**

Pull over the vehicle at a safe place before connecting a Bluetooth device to the system. When a traffic accident occurs while attempting connection, it may cause severe or fatal injury.


- ✍ The Bluetooth connection function supports only the hands-free and audio related functions. Connect your mobile phone, MP3 player, or device that supports the hands-free or audio function.
- ✍ For more information about compatible devices, visit the company website at <http://www.kia.com>.

# Registering a device

To connect a Bluetooth device to the system, first add the device to the list of Bluetooth devices on the system.

✍ You can add Bluetooth devices up to 6.

## 1 On the All menus screen, touch **Settings** ► **Device Connection** ► **Bluetooth** ► **Connection settings** ► **Add new**.

✍ To register a device for the first time, press the [] button on the steering wheel or by touching **Phone** on the All menus screen.

## 2 Select the function to connect.



3 Turn on Bluetooth on the Bluetooth device to connect and select the vehicle system on the list of searched devices.

✍ The system's Bluetooth name can be seen on the Add new window.



4 Check that the authentication code on the Bluetooth device screen matches the one on the system screen and approve the connection on the device.

5 When your Bluetooth device is a mobile phone, to download the contacts and messages from the phone, you must allow the access request on the mobile phone.

✍ Access is only required to use Bluetooth calling. There will be no access request when you connect an audio device.

✍ After the access request is approved, it may take a while until Bluetooth connection is completed. As soon as Bluetooth connection is completed, the Bluetooth connection indicator icon appears at the top of the screen.

✍ Access to data can be enabled or disabled by using the Bluetooth Settings menu on the mobile phone. For more details, refer to the mobile phone's user manual.

✍ You cannot register another device while operating a Bluetooth device.

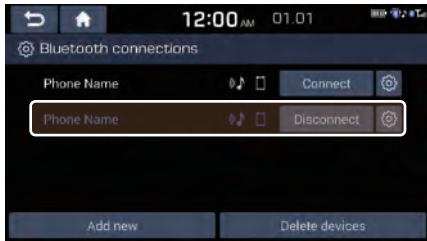
✍ In order not to use the automatic Bluetooth connection, turn off the Bluetooth function on the device.

## Connecting a registered device

To use a Bluetooth device, first connect a registered Bluetooth device to the system.

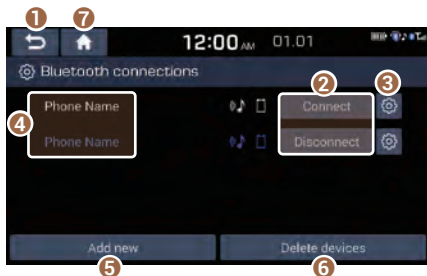
✍ You can add one Bluetooth hands-free kit or up to two Bluetooth audio devices.

- 1 On the All menus screen, touch **Settings** ► **Device Connection** ► **Bluetooth** ► **Connection settings**.
- 2 Touch the device name to connect or touch **Connect**.



- ✍ If you cannot connect your device, check to make sure its Bluetooth option is enabled.
- ✍ When the connection is terminated abnormally due to being out of range or device failures, the connection is automatically restored as soon as the device returns to the connection range or normal state.
- ✍ When connection is unstable due to a Bluetooth communication error, on the All menus screen, touch **Settings** ► **Device Connection** ► **Bluetooth** ► **Factory settings** to reset the Bluetooth function and connect the device again.

## Bluetooth connection screen



- 1 Used to return to the previous screen.
- 2 Add or delete a Bluetooth device.
  - ✍ You can also add or delete devices by touching their name.
- 3 Choose to use the hands-free function or Bluetooth audio.
- 4 View a list of registered Bluetooth devices.
- 5 Add a new device to the system.
- 6 Delete a registered device from the system.
- 7 The list of menu items appears.
  - **Manual:** Displays the QR code that provides access to the online user manual for the system.
  - **Split screen:** Can turn on or off the split screen mode.

## Disconnecting a registered device

- 1 On the All menus screen, touch **Settings** ► **Device Connection** ► **Bluetooth** ► **Connection settings**.
- 2 Touch the connected device name or touch **Disconnect**.

## Deleting a registered device

If you will no longer use a Bluetooth device or you want to add a new device when 6 devices are already registered, delete an existing registered device.

- 1 On the All menus screen, touch **Settings** ► **Device Connection** ► **Bluetooth** ► **Connection settings** ► **Delete devices**.
- 2 Select a device to delete and touch **Delete**.  
To delete all registered devices, touch **Mark all** ► **Delete**.
- 3 Touch **Yes**.
  - ✍ Deleting a registered device will remove all associated contacts and the call history from the system.

# Making a call via Bluetooth

You can connect a Bluetooth device with the hands-free function to use a Bluetooth phone. The Bluetooth connection allows you to view call details directly from the system screen, and to make calls safely and easily using the system microphone and speaker.

## Warning


- Pull over the vehicle at a safe place before connecting your mobile phone. When a traffic accident occurs while attempting connection, it may cause severe or fatal injury.
- While driving, do not make a call by dialing a phone number or do not pick up your phone to talk. Distraction by the use of a mobile phone may cause you not to recognise traffic flow around and not to cope with unexpected situations. As a result, a traffic accident may occur. If necessary, use the Bluetooth hands-free function and make the call as short as possible.

# Dialing from the recent call list

Make calls directly from call history of your mobile device.

When you connect your mobile device and system over Bluetooth, the list of recent calls from the device will be downloaded to the system and you can call them again by selecting them from the system screen. The system has a built-in microphone and speaker that allows using phone safely and easily.



## 1 Perform any of the following options:

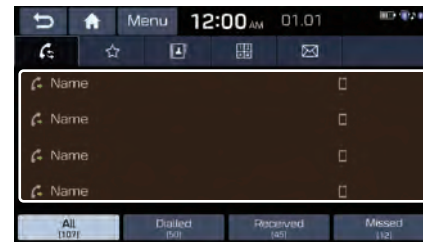
- On the All menus screen, touch **Phone**.
- On the steering wheel, press the  button.

## 2 On the Bluetooth Call screen, touch .

## 3 Choose a call from the list.

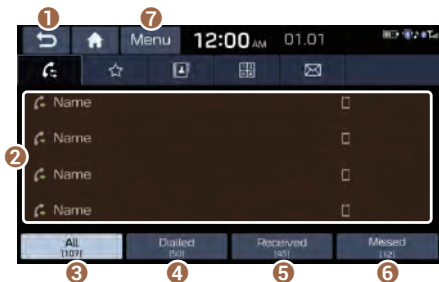
The system dials the selected number.

-  You can move to a desired number by pushing the  lever on the steering wheel without touching on the screen.



- ✍ The download may not work in some phone models. For more information about compatibility, visit the company website at <http://www.kia.com>.
- ✍ You can download up to 50 call records for each list.
- ✍ Call durations do not appear on the system screen.
- ✍ You cannot download call records when the download is prohibited by the phone. Some phone models may require approval for a download. When a successful download is not made, check the phone screen or its settings.
- ✍ When call records are newly downloaded, the previous records are removed.
- ✍ Learn more about receiving calls while using Bluetooth connection. ▶ see "Accepting an incoming call over Bluetooth."

## Recent calls list screen



- 1 Used to return to the previous screen.
- 2 View a list of recent calls downloaded to the system from the device.
- 3 View all recent calls.
- 4 View only dialed calls in the list.
- 5 View only received calls in the list.
- 6 View only missed calls in the list.
- 7 The list of menu items appears.
  - **Download:** Download the list of recent calls from the connected mobile device.
  - **Bluetooth settings:** Can change the Bluetooth settings.



## Dialing from the favourites list

Make a list of frequently used phone numbers to call them quickly in the future.

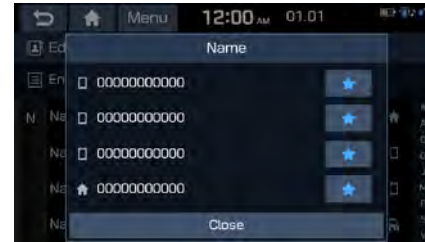
When you connect your mobile device and system over Bluetooth, your contacts stored on the device will be downloaded to the system, and you can add frequently used phone numbers to the favourites list. Call your favourite contacts quickly and easily by selecting them from the list.

- 1 Perform any of the following options:
  - On the All menus screen, touch **Phone**.
  - On the steering wheel, press the [☎] button.
- 2 On the Bluetooth Call screen, touch [☆].
- 3 On the favourites screen, touch **Add new** and select a name from the displayed list.
  - ℹ If you already have contacts on your favourites list, touch **Menu ▶ Edit** on the favourites screen.



- 4 To set a phone number as a favourite, touch the [☆] button next to it.

The phone number is now added to your favourites list.

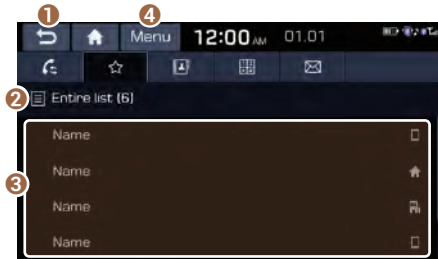


- 5 Choose a contact from the list.

The system dials the selected contact.

  - ℹ You can add up to 10 favourite contacts for each device.
  - ℹ In the favourite contacts list, the default emergency phone number is set for use upon emergency.
  - ℹ When another mobile phone is connected, the screen does not display the contacts from the previous phone but they are kept in the system until the phone is deleted from the list.
  - ℹ Learn more about receiving calls while using Bluetooth connection. ▶ see "Accepting an incoming call over Bluetooth."

## Favourites screen




- 1 Used to return to the previous screen.
- 2 The emergency call list allows you to quickly dial the police, national intelligence service, and other agencies.
- 3 View a list of favourite contacts.
- 4 The list of menu items appears.
  - **Add new/edit:** Add a new contact or edit the favourites list from downloaded contacts.
  - **Delete:** Delete a contact from the favourites list.
  - **Bluetooth settings:** Can change the Bluetooth settings.

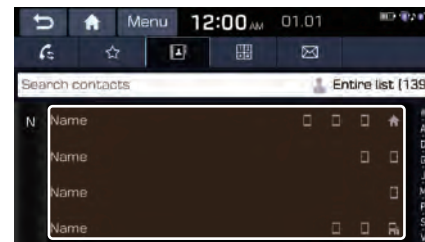
## Dialing from the contacts

You can use contacts from the connected mobile device on the system.

When you connect your mobile device with the system via Bluetooth, contacts from the device are downloaded to the system, and you can choose to call them from the system screen. The system has a built-in microphone and speaker that allows using phone safely and easily.

- 1 Perform any of the following options:
  - On the All menus screen, touch **Phone**.
  - On the steering wheel, press the [📞] button.
- 2 On the Bluetooth Call screen, touch .
- 3 Select a contact from the list.

The system dials the selected contact.



- ✍ You can download only the contacts that can be displayed on the connected Bluetooth device. The contacts may not appear in some applications.
- ✍ You can download up to 5,000 contacts for each device.
- ✍ The download may not work in some phone models. For more information about compatibility, visit the company website at <http://www.kia.com>.
- ✍ The downloaded contacts may be lost depending on the system specifications.
- ✍ Contacts from both the mobile device and its SIM card are downloaded at the same time. The system may not be able to download SIM card contacts from all phone models.
- ✍ When speed dial numbers are set to contacts on the phone, press and hold a speed dial number on the dial pad to make a call easily. Some mobile phone models may not support the speed dial function.
- ✍ You cannot download contacts when the download is prohibited by the phone. Some phone models may require approval for a download. When a successful download is not made, check the phone screen or its settings.
- ✍ Depending on the phone model or operation status, downloading may take longer than usual.
- ✍ When a new contacts list is downloaded, the previous records are removed.
- ✍ The downloaded contacts cannot be edited or deleted from the system.

- ✍ When another mobile phone is connected, the screen does not display the contacts downloaded from the previous phone but they are kept in the system until the phone is deleted from the list.
- ✍ Learn more about receiving calls while using Bluetooth connection. ► see ["Accepting an incoming call over Bluetooth."](#)

## Contacts list screen



- ① Used to return to the previous screen.
- ② View a list of contacts downloaded to the system from the device.
- ③ Use the index to quickly find the contact you are looking for.

- 4 The list of menu items appears.
- **Download:** Download the list of contacts from the connected mobile device.
  - **Search:** Search contacts by entering a name or a phone number.
  - **Bluetooth settings:** Can change the Bluetooth settings.

## Using the dial pad

Enter a phone number using the dial pad to make a call.



When you connect your mobile device to the system via Bluetooth, you can enter and dial a phone number from the system screen, without interacting with the device. The system has a built-in microphone and speaker that allows using phone safely and easily.



### Warning

---

Do not manually dial a call while driving. Distraction by the use of a mobile phone may cause you not to recognise traffic flow around and not to cope with unexpected situations. As a result, a traffic accident may occur.

- 1 Perform any of the following options:
  - On the All menus screen, touch **Phone**.
  - On the steering wheel, press the [] button.
- 2 On the Bluetooth Call screen, touch .

### 3 After entering a phone number, touch .

A call is connected to the entered phone number.

- ✎ When contacts are on the system, search for the desired contact by entering the initial letters or number on the dial pad. (e.g. John Doe ► JD).



- ✎ Learn more about receiving calls while using Bluetooth connection. ► see ["Accepting an incoming call over Bluetooth."](#)

## Dial pad screen



- 1 Used to return to the previous screen.
- 2 Use the dial pad to enter phone numbers.
- 3 Touch to dial the number you entered.
  - ✎ If you have recent calls stored on your system, you can use the following feature before entering a phone number.
  - ✎ Touching this button will display the most recently dialed numbers in the field.
  - ✎ Touch and hold this button to automatically call the most recently dialed number.
- 4 Can configure the Bluetooth connection settings.
- 5 Delete an entered number.


- 6 The list of menu items appears.
- **Bluetooth settings:** Can change the Bluetooth settings.

## Accepting an incoming call over Bluetooth

The system screen alerts you when you receive a call while connected using Bluetooth.




Perform any of the following options:

- Touch **Accept** on the screen.
- On the steering wheel, press the [] button.





## Warning

---

- Pull over the vehicle at a safe place before connecting your mobile phone. When a traffic accident occurs while attempting connection, it may cause severe or fatal injury.
  - Do not talk on your mobile device while driving. Distraction by the use of a mobile phone may cause you not to recognise traffic flow around and not to cope with unexpected situations. As a result, a traffic accident may occur. If necessary, use the Bluetooth hands-free function and make the call as short as possible.
-  When a mobile phone is connected to the system, the vehicle's speaker may be used to output a call tone even after you leave the vehicle. To disconnect the call, disable the Bluetooth connection on the system or turn off the Bluetooth function on the mobile phone.

## Rejecting a call

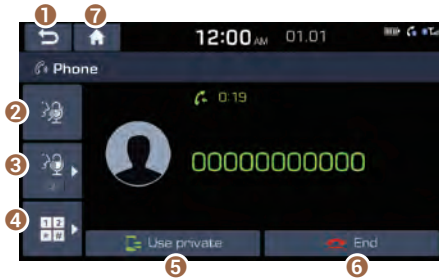
Perform any of the following options:

- Touch **Reject** on the screen.
  - On the steering wheel, press the [] button.
-  To reject by sending a call-reject message, touch **Message**. From the list, select the call-reject message and touch **Send**.
-  The call-reject or auto reply message may not be supported in some phone models.
-  You can set to automatically reject an incoming call and send the auto reply message to the caller.

## Using functions during a call

During a call, the following screen appears.

Touch to use the available options.



- 1 Used to return to the previous screen.
- 2 Can turn off the microphone so that the other party cannot hear you.
- 3 Can adjust the microphone volume.
- 4 Displays the dial pad.
- 5 Used to switch the call to the mobile phone. This option may not be available in some phone models.
- 6 Used to end a call.
- 7 The list of menu items appears.
  - **Split screen:** Can turn on or off the split screen mode.

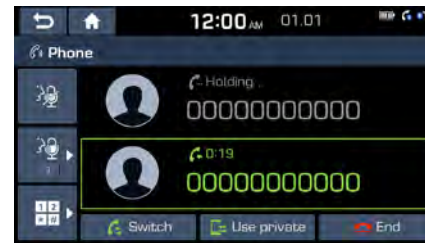
- ✎ When a caller is in the contact list, the caller's name and phone number appear. Otherwise, only the phone number appears.
- ✎ During a call with a Bluetooth connection, you cannot switch to another screen such as AV mode.
- ✎ Depending on the phone model, the call volume of the other party may differ.
- ✎ Depending on the phone model, the telephone number may not appear.

## Switching to another call

You can receive another incoming call while in a call. This option is available only when the connected mobile phone supports the call hold function. The previous call is put on hold.

To switch between two calls, use either option.

- Touch **Switch**.
- Touch a displayed phone number.



- ✎ This option may not be available in some phone models.



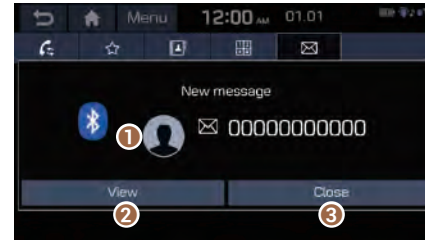
# Checking a new message over Bluetooth


After connecting a mobile phone via Bluetooth, you can check the received messages through the system screen converted from the text messages. This option is available when a mobile phone is connected via Bluetooth. You can also send the brief reply message registered in the system.

## Checking a new message

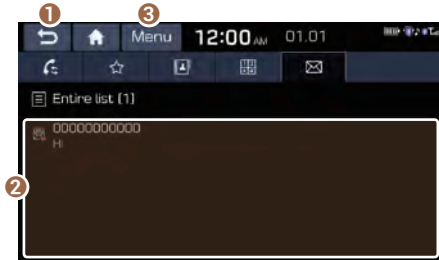
When a message is received, the new message notification window appears.

To check the message, touch **View**.




- 1 View caller details.
  - 2 Can see the message details.
  - 3 Used to close the notification window.
-  The message notification window does not appear when the privacy mode is enabled or the message notification is turned off.

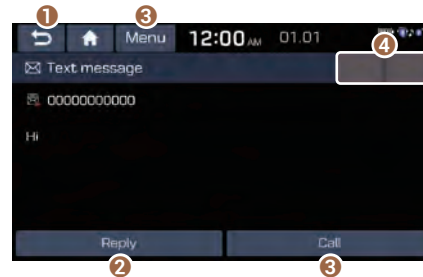
## Bluetooth message screen



- 1 Used to return to the previous screen.
- 2 View the list of received messages.
- 3 The list of menu items appears.
  - **Message settings:** Displays the message settings screen.
  - **Bluetooth settings:** Can change the Bluetooth settings.

## Checking a new message from the list

- 1 Perform any of the following options:
  - On the All menus screen, touch **Phone**.
  - On the steering wheel, press the [📞] button.
- 2 On the Bluetooth Call screen, touch .
- 3 Select a message from the list.
- 4 Check the message.

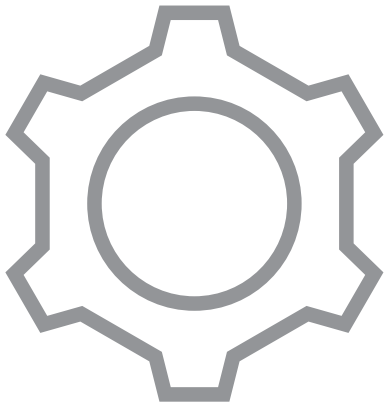


- 1 Used to return to the previous screen.
- 2 Used to select a message registered in the system for sending a brief reply message.
- 3 Used to make a call to a message sender.
- 4 Used to move to the previous or next message.

- 5 The list of menu items appears.
- **Message settings:** Displays the message settings screen.
  - **Bluetooth settings:** Can change the Bluetooth settings.

# 08

## Settings



Configuring the advanced system settings

Configuring the sound settings

Device connection settings

Configuring the general system settings

Configuring the display settings Updating  
the system software and map

# Configuring the sound settings

You can change the sound settings such as speaker volume and sound effects.

- ✎ Available settings may differ depending on the vehicle model and specifications.
- ✎ Some functions may not be available depending on the multimedia system and amplifier specifications in the vehicle.

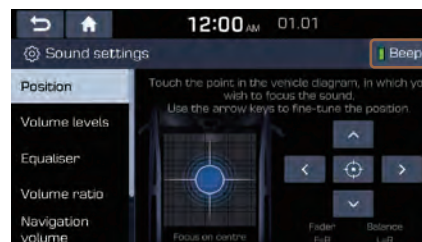
## 1 On the All menus screen, touch **Settings** ► **Sound**.

The sound settings screen appears.


## 2 Configure the settings required:

## Turning on/off the screen touch sound

To turn on or off the touch sound on the screen, touch **Beep** at the top of the screen.



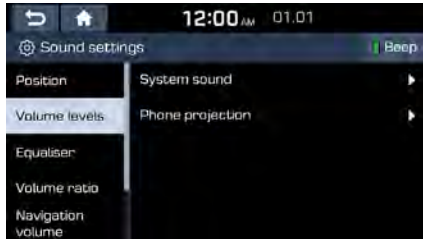
## Position

You can select a position where sound is more audible in the vehicle. By touching the desired point on the seat image or touching the arrow buttons, you can finely adjust the position. To concentrate the sound to the centre of the vehicle, touch .



## Volume levels

You can adjust the volume for each system function including phone projection.




### System sound

You can adjust the volume for each system function and return all volume settings to defaults, if necessary.

 To return all system sound settings to defaults, touch **Default**.

### Phone projection


You can adjust the volume of the phone projection and return all volume settings to defaults, if necessary.

 To return the volume of the desired phone projection to the default, touch **Default** next to the function name.

## Equaliser

You can adjust the sound by adjusting the strengths (output levels) for each audio band: Bass, Midrange, and Treble. You can also return the output levels for all audio bands to defaults, if necessary.



 To return the output levels for all audio bands to the defaults, touch **Centre**.

## Volume ratio

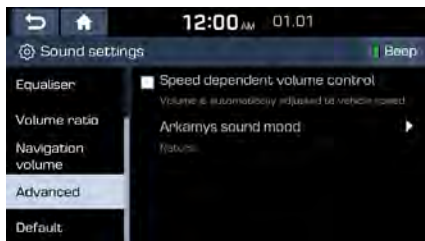
You can configure the settings so that a specific sound is more audible over other sounds.

- **Proximity Warning:** When warning sound is generated while parking, the audio volume is decreased to make the sound audible.
- **Start-up Volume Limit:** Can set to automatically decrease the audio volume to an adequate level when turning on the vehicle.

## Advanced

You can change the system sound settings and apply various sound effects.

✎ Available sound effects may differ depending on the specifications of the amplifier.

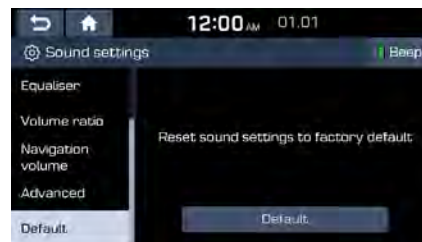


### Speed dependent volume control

You can set the system to automatically increase the audio volume when the vehicle speed increases.

## Default

You can reset all sound settings to defaults.





# Device connection settings

You can manage Bluetooth devices or configure their operation settings. You can also activate the phone projection so that you can control the smartphone applications on the system screen after connecting the smartphone to the system.

- 1 On the All menus screen, touch **Settings** ►  
**Device Connection.**

The device connection settings screen appears.

- 2 Configure the settings required:

## Bluetooth

You can register or delete a Bluetooth device for the system and connect or disconnect a registered device. You can also configure operation settings such as notifications, messages, and other settings for Bluetooth devices.



- ✍ For more information on how to use the Bluetooth functions:
  - ▶ see “Connecting a Bluetooth device.”
- ✍ Some setting options appear when a smartphone is connected to the system.
- ✍ The auto-reply messaging may not be available depending on the smartphone model.
- ✍ To edit or delete a message, pull over the vehicle at a safe place and access the messaging function on your smartphone. You cannot edit or delete a message from the system.
- ✍ When an iPhone is connected to the system, there are some restrictions when receiving messages as follows:
  - Only the sender name appears when the sender information is saved.
  - Otherwise, only the phone number appears.
  - You cannot use the auto-reply message function.
  - When the incoming message notification or lock-screen view option is off, messages cannot be received.
- ✍ The message reader function may not be supported depending on the system language.

## Connection settings

You can register or delete a Bluetooth device from the system and connect or disconnect a registered device.

- ✍ You can add one Bluetooth hands-free kit or up to two Bluetooth audio devices.

## Message settings

**Predefined Messages:** You can edit the auto-reply message that is automatically sent out after receiving a text message or receiving a phone call.

- ✍ This option may not be available in some phone models.

## Bluetooth system info

You can see and edit the Bluetooth information of the system.

## Factory settings

You can delete all Bluetooth devices registered on the system and return them to default settings. All data for Bluetooth devices are also deleted.

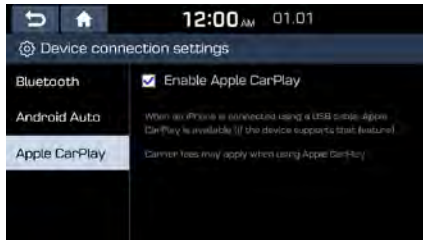
## Android Auto

You can activate the Android Auto function to pair your Android smartphone with the system.



## Apple CarPlay

You can activate the Apple CarPlay function to pair your iPhone with the system.



## Configuring the general system settings

You can configure general settings for date, time, language, and the like. You can also check information of the system.

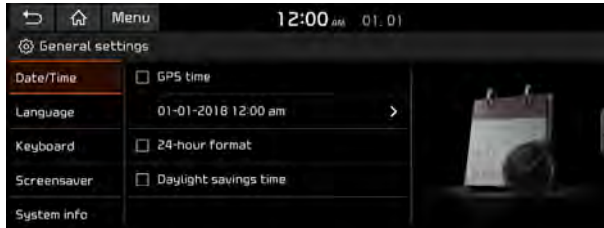
- 1 On the All menus screen, touch **Settings** ► **General**.

The general settings screen appears.

- 2 Configure the settings required:

## Date/Time

You can set the system date and time automatically or manually. You can also set the time display mode.



- **GPS Time:** After receiving the time from GPS, it sets the system date and time automatically.
  - ✍ To manually set the date and time, uncheck **GPS Time**, touch the current date and time below **GPS Time**, and then set the date and time.
- **24-hour format:** The system time is displayed in the 24-hour format.
- **Daylight savings time:** Displays the system time in the format of Daylight Saving Time.

## Language

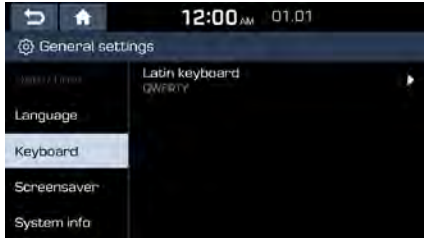
You can set the system display language.



- ✍ Once the language has been changed, it takes a while to apply the new language to the system. The notification pop-up window appears as soon as the new language is applied to the system. When you wait a while or touch anywhere outside the pop-up window, the window automatically disappears.
- ✍ When you change the system language, it does not affect the display of other unique data such as MP3 music file name.
- ✍ Depending on the system language, the Bluetooth phone message view may not be supported.

## Keyboard

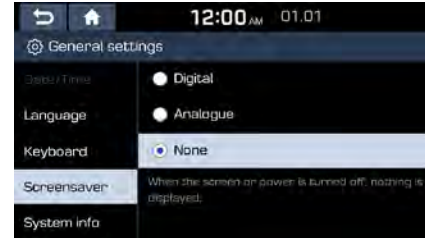
You can change the keyboard type for each language to use when entering the text.



- **Keyboard type - Arabic:** Select a default keyboard type for Arabic.
- **Latin keyboard:** Can select the keyboard type to use when entering the English text.
- **Default keyboard:** Can select the keyboard type to use when entering the English text.

## Screen Saver

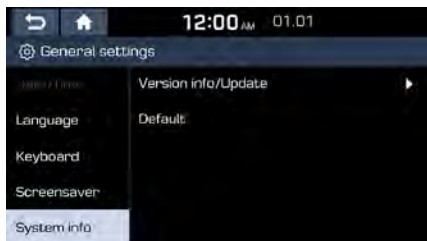
You can select the items to display on the screen saver in standby mode.



- **Digital:** Displays the digital clock and date on the system screen saver.
- **Analogue:** Displays the analogue clock and date on the system screen saver.
- **None:** Displays nothing on the system screen saver.

## System info

You can check the system software version and storage space. You can also update the system software, use your smartphone to access the online user's manual of the system, or reset all system settings to default values.



### Version info/Update

You can see the versions of system components. You can also update the system to the latest version.

 For details on how to update the system software: ► [see "Updating the system software and map."](#)

## Memory

You can check the storage space of the system memory where voice memos can be saved.

## Manual

You can access the online user's manual of the system by scanning the QR code with your smartphone.

## Default

You can return all system settings including general settings and navigation settings, to default values.

### **Caution**

As soon as reset is performed, all system settings are changed to default values. At the same time, all user data in the system including the location data in the navigation system is deleted.

# Configuring the display settings

You can change the system display settings such as display brightness and video aspect ratio.

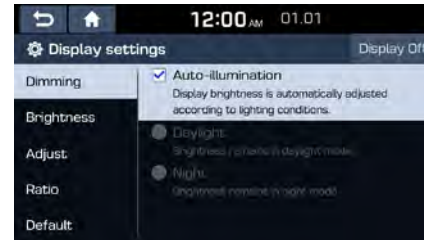
- 1 On the All menus screen, touch **Settings** ► **Display**.

The display settings screen appears.

- 2 Configure the settings required:

## Dimming

You can set the system to automatically adjust the display brightness depending on the ambient light intensity. You can also set the system to keep the display bright or dark all the time.



- **Auto-illumination:** The display brightness is automatically adjusted based on the surrounding environment.
- **Daylight:** It can be activated when **Automatic** is turned off. It keeps the display always bright regardless of the surrounding environment.
- **Night:** It can be activated when **Automatic** is turned off. It keeps the display always dark regardless of the surrounding environment.

## Brightness

You can set the system to automatically adjust the display brightness depending on the cluster illumination. You can also set the level of display brightness to use while using the daytime or night mode.



- **Use cluster knob:** The display brightness is automatically adjusted based on the cluster illumination.
- **Daylight:** Sets the display brightness when **Daylight** is selected under **Dimming**. Uncheck **User cluster knob** and then set to the desired brightness.
- **Night:** Sets the display brightness when **Night** is selected under **Dimming**. Uncheck **Use cluster** and then set to the desired brightness.

## Adjust

You can adjust the video display brightness, contrast, or chroma.

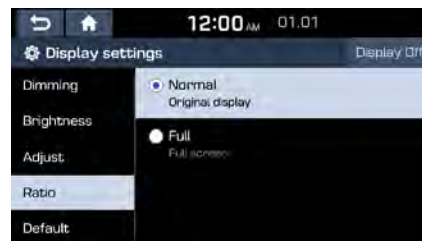
- ✍ This function is enabled only when playing video.
- ✍ To return the settings for video display brightness, contrast, and chrome to default values, touch **Centre**.



## Ratio

You can set the system to display video in the original aspect ratio or in full screen.

- ✍ This function is enabled only when playing video.





## Default

You can return all display settings such as display aspect ratio during video playback and the display brightness, to default values.



## Updating the system software and map

You can update your multimedia system. Please visit your local dealership to update your system.

- ✎ The regular map update schedule differs depending on the location and model. Be sure to contact the dealership for more information.
- ✎ Any changes after an update may not be reflected on the map. As a result, certain roads, buildings, and speed limits on the map may not be up to date.
- ✎ Depending on the total data amount, an update may take several minutes.
- ✎ Do not turn off the system or remove the storage device while the update is in progress. When power supply is cut off or the storage device is removed from the system, it may damage the data or cause a system malfunction.



MEMO



# 09

## Troubleshooting guide

Solutions for each symptom



# Solutions for each symptom

When you encounter a system trouble, see the following table to check and resolve the issue.

When the trouble persists even after taking the suggested actions, contact the company's service centre or service agency.

## Sound and video issues

Symptom	Possible cause	Solution
A blank screen appears and sound is not audible.	The system is turned off.	<ul style="list-style-type: none"><li>• Check that the start switch is in "ACC" or "ON."</li><li>• Press the [PWR] button to turn on the system.</li></ul>
	Sound volume is too low.	On the control panel, turn the [VOL] knob to adjust the volume.
	Sound is muted.	On the steering wheel, press the [MUTE] button to make the sound audible.
Sound is audible from only one side of the speakers.	Sound is imbalanced.	On the All menus screen, touch <b>Settings ► Sound ► Position</b> and adjust the sound outputs for the left and right speakers.
The sound is cut off or noise is heard.	Vibration occurs in the system.	When the system vibrates, the sound may be cut off or noise may occur. This is not a system failure. The system is restored as soon as the vibration stops.

Symptom	Possible cause	Solution
The image quality is poor.	Screen adjustment is required.	<ul style="list-style-type: none"> <li>On the All menus screen, touch <b>Settings ▶ Display ▶ Brightness</b>, and then adjust the brightness.</li> <li>On the All menus screen, touch <b>Settings ▶ Display ▶ Adjust</b>, and then change the colour settings.</li> </ul>
	Vibration occurs in the system.	The images may get distorted when vibration occurs in the system. This is not a system failure. The system is restored as soon as the vibration stops.
	The display is aged or the system performance is degraded.	When the symptom persists, contact KIA Motors Company's service centre or service agency.
Small red, blue, and green dots are shown on the screen.		LCD has very high-density pixels. For this reason, there may be dead pixels (that are always off) or lit pixels (that are always on) within 0.01 percent of the total pixels.

## USB playback-related issues

Symptom	Possible cause	Solution
Files in a USB device cannot be played.	There are no compatible files for playback	Copy the files that can be played by the system to the USB device and connect the device again. ▶ see "USB mode."
	Poor connection is found.	Remove the USB device from the multimedia USB port and then reconnect it properly.
	The USB device is infected by a virus or other malware.	Remove foreign materials from the surface that contacts the USB device and multimedia USB port.
	A USB hub or extension cable is used.	Connect the USB device directly to the multimedia USB port.
	The USB device is non-standard.	Use a USB device that is compatible with the system. ▶ see "USB mode."
	The USB device is damaged.	Use your computer to format the USB device and then connect the device again. Format the device in FAT16/32 format.



## Bluetooth connection-related issues

Symptom	Possible cause	Solution
The system is not detected by a Bluetooth device.	Registration mode needs to be run.	On the All menus screen, touch <b>Settings ► Device Connection ► Bluetooth ► Connection settings ► Add new</b> to run the registration mode and perform search again from the Bluetooth device.
The Bluetooth device is not connected.	The Bluetooth function should be activated.  Any error occurs while using the Bluetooth function.	Activate the Bluetooth function on the Bluetooth device to connect.  <ul style="list-style-type: none"><li>• Turn the Bluetooth function off and on on the Bluetooth device and then connect the device again.</li><li>• Turn the Bluetooth device off and on and then connect the device again.</li><li>• Remove the battery from the Bluetooth device and attach it back, turn on the device, and then connect the device again.</li><li>• Delete the system and Bluetooth device from the registration lists respectively and then connect the device again.</li></ul>



## Phone projection-related issues

Symptom	Possible cause	Solution
The phone projection function is not performed when a smartphone is connected using a USB cable.	Phone projection is not supported.	Visit the website to check whether your smartphone supports the phone projection. <ul style="list-style-type: none"><li>• KIA Motors Company website: <a href="http://www.kia.com">www.kia.com</a></li><li>• Android Auto: <a href="https://support.google.com/androidauto">https://support.google.com/androidauto</a></li><li>• Apple CarPlay: <a href="http://www.apple.com/ios/carplay">http://www.apple.com/ios/carplay</a></li></ul>
	The function is inactive.	<ul style="list-style-type: none"><li>• On the All menus screen, touch <b>Settings ► Device Connection</b>, select the function to use, and then turn on the phone projection option.</li><li>• Make sure that the phone projection is not disabled in the application settings or block-out settings on your smartphone.</li></ul>
	Smartphone is encountered with poor operation or malfunction.	<ul style="list-style-type: none"><li>• Check that the smartphone battery level is not too low. Recognition may not work properly when the battery level is too low.</li><li>• The phone projection may not work properly when the signal strength is weak.</li><li>• When the smartphone is locked, first unlock it.</li><li>• Reset the smartphone and connect the device again.</li></ul>
A black screen appears when the phone projection is activated or in use.	The smartphone malfunctions.	<ul style="list-style-type: none"><li>• Remove the USB cable from the smartphone and connect the device again.</li><li>• Reset the smartphone and connect the device again.</li></ul>

## System operation-related issues

Symptom	Possible cause	Solution
The previous media mode does not appear when the system is turned off and on.	It is encountered with poor media connection or playback error.	When the media source is not connected or played normally, the previous mode appears. Connect the media source again or play it again.
The system slows down or does not operate at all.	An internal error occurs in the system.	<ul style="list-style-type: none"><li>• Reset the system by pressing the reset button with a sharp object such as pen or clip.</li><li>• Update the system software to the latest version. ► see “Updating the system software and map.”</li><li>• When the symptom persists, contact KIA Motors Company’s service centre or service agency.</li></ul>
The system is not turned on.	Fuse-related issues	<ul style="list-style-type: none"><li>• Visit an auto service shop and replace the fuse with a new one of appropriate capacity.</li><li>• When the symptom persists, contact KIA Motors Company’s service centre or service agency.</li></ul>



# 10

## Appendix



System status indicator icons

FAQ

Product specifications

Important information

# System status indicator icons



You can see the system status by checking the status indicator icons at the top right of the system screen.

Different status indicator icons appear when each function is performed. The meanings of the icons are as follows:











## Mute/memo recording



	AV sound muted
	All sound outputs muted

## Bluetooth/call



	Battery level of the connected Bluetooth device
	Connecting a phone via Bluetooth
	Connecting an audio device via Bluetooth
	Connecting a phone and an audio device via Bluetooth
	Making a call via a Bluetooth phone
	Bluetooth phone's microphone off
	Downloading the list of recent calls from the connected Bluetooth phone
	Downloading the contact list from the connected Bluetooth phone

## Signal strength



Bluetooth phone's signal strength

## FAQ

### Bluetooth

**Q** Which functions can I use via Bluetooth?

**A** You can use the hands-free call function with a mobile phone connected. You can also play music after connecting an audio device such as MP3 player or mobile phone. ▶ See "Making a call via Bluetooth.", "Listening to music via Bluetooth"

**Q** How can I register a Bluetooth device?

**A** On the All menus screen, touch **Settings ▶ Device Connection ▶ Bluetooth ▶ Connection settings ▶ Add new**. From the Bluetooth device to be connected, search for the vehicle system and register it. Use the Bluetooth device to enter or approve the authentication number displayed on the system. Then the device is added to the list of Bluetooth devices in the system and automatically connected to the system. ▶ see "Connecting a Bluetooth device."


**Q** I bought a new mobile phone and want to replace my old phone with the new one to connect the system. How can I register the new phone to the system?

---

**A** An additional device can be registered in the same way as in registration of a new device. You can register up to 6 devices in the list of Bluetooth devices. To delete a previously registered device, touch **Delete devices** from the list of Bluetooth devices, select the device to delete, and then touch **Delete**. ▶ see “Connecting a registered device.”

**Q** How can I access the list of contacts while using a Bluetooth phone?

---

**A** Approve access to the contacts when connecting your mobile phone to the system via Bluetooth. The list of contacts on the phone is downloaded to the system. To see the downloaded list of contacts, press the [📞] button on the steering wheel and touch  on the call screen. You can search for a contact and make a call to the contact, or add the contact to the favourites. ▶ see “Dialing from the contacts.”

## Broadcast reception

**Q** I turned on the radio while driving but I hear no sound but noise.

---

**A** Depending on the location, obstacles may cause reception to deteriorate.

Radio reception rate may also drop when an on-glass antenna is mounted on the rear window and the window is tinted with metallic window films.

## Self-inspection method upon failure

**Q** The system does not operate properly. What shall I do?

---

**A** Inspect the system after referring to Troubleshooting Guide. ▶ see “Solutions for each symptom.”

When the system failure persists after inspection, press and hold the Reset button to reset the system.

When the symptom persists, contact KIA Motors Company's service centre or service agency.

# Product specifications

## Media player

### USB mode

#### Music files

Item	Specifications
File format	MPEG-1/2 Layer3, OGG (Vorbis), FLAC, WMA (Standard/Professional), WAV
Bit-rate and sampling frequency	MP3 8–320 kbps (CBR/VBR), up to 48 kHz (ID3 tag version: Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4)
	OGG Q1 to Q10, up to 48 kHz
	FLAC 8/16/24-bit, up to 48 kHz
	WMA Standard (0x161): up to L3 Profile, up to 385 kbps, up to 48 kHz  Professional (0x162): up to M0b, up to 192 kbps, up to 48 kHz
WAV	8/16 to bit, up to 48 kHz

Item	Specifications
Specification details	Max. number of directory layers: 20 layers
	Max. folder/file name length: 255 Bytes
	Valid characters that can be used in a folder/file name: 2,350 Alphanumeric characters/4,888 Chinese characters
	Max. number of folders: 2,000 (including the root)
	Max. number of files: 8,000 Channels

#### Video files

Item	Specifications
File format	AVI, MPEG, WMV
File extension	avi, divx, mpg, mpeg, mp4, wmv, asf
Resolution	1280 x 720
Video codec	DivX3/4/5/6, XviD, MPEG-1/4, H264, WMV9
Audio codec	MP3, OGG, WMA
Subtitle	SMI, SRT



- ✎ The following files are not played.
  - Modified files (format-changed files)
  - Variant files (e.g. MP3 files encoded by WMA audio codec)
  - DRM (Digital Rights Management)-protected files
  - Files with no index
- ✎ The display specifications, playback specifications, and other specifications of the DivX file comply with the authentication standards of DivX.
- ✎ Sound quality is not guaranteed in case of music files that use the bit-rate exceeding 192 kbps.
- ✎ With the files that do not use the fixed bit rate, some functions may not work properly or the playback time may not appear accurately.
- ✎ When a trouble occurs while playing or you want to play an incompatible format file, use the latest encoder software to change the format before using the file.

## ■ USB storage devices

Item	Specifications
Byte/Sector	64 KB or less
Format system	FAT16/32 (recommended), exFAT, NTFS

- ✎ With the USB storage devices that are not equipped with a plug-type connector (metal cover type), proper operation is not guaranteed.
  - USB storage devices with a plastic plug may not be recognised.
  - USB memory cards (e.g. CF cards, SD cards) may not be recognised.
- ✎ Problems that are caused by using USB storage devices (not specified in the following list), are not covered by the warranty.

Product name	Manufacturer
XTICK	LG
BMK	BMK Technology
SKY-DRV	Sky Digital
TRANSCEND JetFlash	TranScend
Sandisk Cruiser	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	DIGI Works

- ✎ USB hard drives may not be recognised.
- ✎ When using a USB mass storage device divided into logical drives, only the files saved in the first drive can be played.
- ✎ When a USB storage device has some applications, media files may not be played.

## Common specifications

Item	Specifications
Power supply	DC 14.4 V
Operating voltage	DC 9-16 V
Dark current	Below 1 mA in average within 45 days
Operating temperature range	-20 to +70 °C

## Display

Item	Specifications
Display size	AV body unit - 8 inch (176.64 x 99.36 mm)
Number of pixels	AV unit - 921600 pixels (resolution: 1280 x 720)
Drive system	TFT (Thin Film Transistor) active matrix system
Viewing angle	AV unit - Horizontal/vertical: 89°
Internal lighting	LED

## Radio

Item	Specifications
Available channels	FM: 87.5–108.0 MHz (step: 100 kHz) AM: 531–1602 kHz (step: 9 kHz)
Sensitivity	FM: Within 10 dBuV AM: Within 40 dBuEMF
Distortion factor	Within 2 %

## Bluetooth

Item	Specifications
Frequency range	2402-2480 MHz
Supported Bluetooth version	3.0
Supported profiles	Hands-free (1.7), A2DP (1.3), AVRCP (1.6), PBAP (1.1), MAP (1.2)
Bluetooth Power Class 2	-6 to 4 dBm
Antenna power output	3 mW (max.)
Number of channels	79

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- Apple®, Apple CarPlay™, iPad®, iPad mini™, iPhone®, iPod®, iPod classic®, iPod nano®, iPod touch®, and iTunes® are registered trademarks of Apple Inc.



# FCC Certification

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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications to this device not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.