- 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.
- This system contains open source software. For additional information or references, contact MOBIS_OSSrequest@mobis.co.kr.

  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

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

While driving, refrain from watching the screen.

- An accident may occur by negligence in keeping your eyes forward.
- Watching DMB while driving is against traffic rules. Before watching DMB, be sure to stop your vehicle.
- 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, minimize 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.

⚠ System handling

Do NOT arbitrarily disassemble or modify the system.

- It may cause accident, fire, or electric shock.
- When you disassemble or modify the system for watching DMB while driving, you may be punished for violation of DMB related regulations under the local road traffic law.

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 center 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 engine started.

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

Do NOT arbitrarily install an aftermarket product not authorized by Hyundai Motors Company.

- It may cause system errors.
- Any problems caused by an unauthorized 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 center or service agency of the company.

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01
System overview

Component names and functions

Turning the system on or off

Using the touch screen

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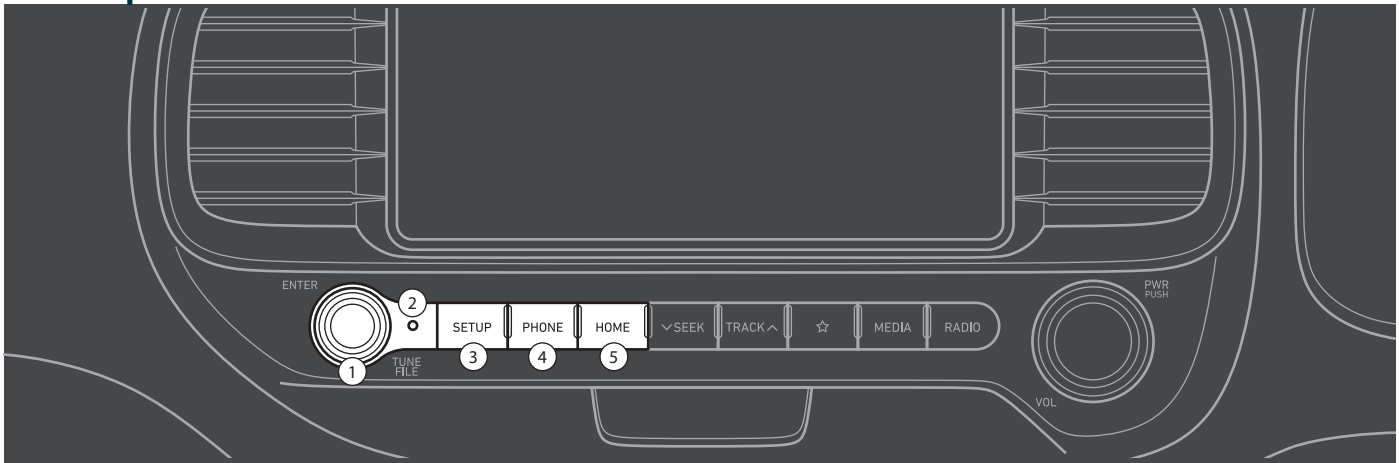
Component names and functions



❶ 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.

❷ System Reset button

❸ SETUP button

- Displays the Settings screen.

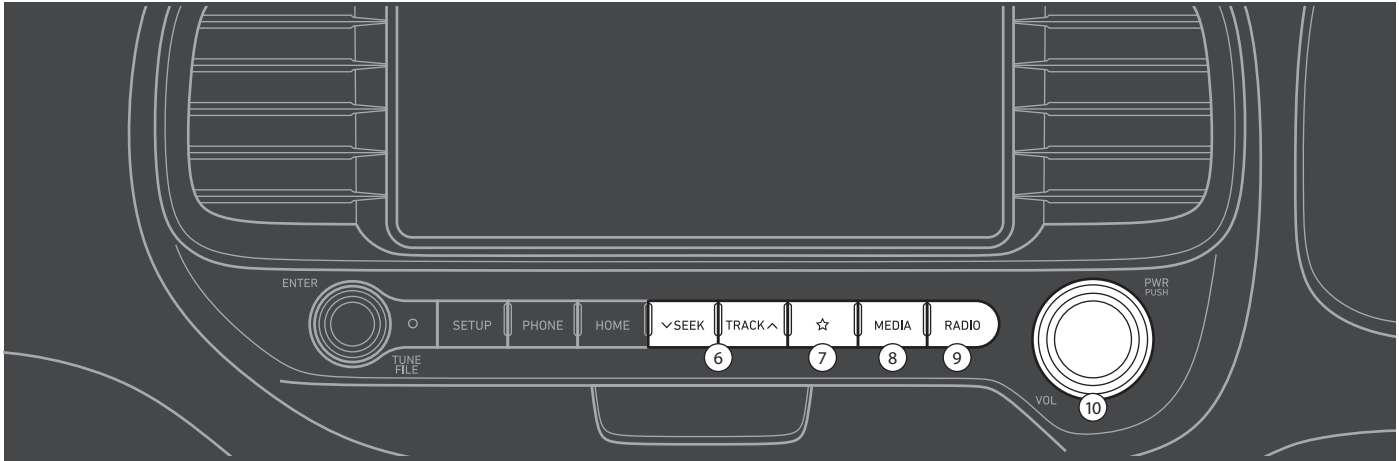
❹ PHONE button

- Press to start connecting a mobile phone via Bluetooth.
- After a Bluetooth phone connection is made, press to access your call history.

❺ HOME button

- Press to access the Home screen.

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



❻ 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).

❼ Custom button (☆)

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

❽ MEDIA button

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

❾ RADIO button

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

❿ 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.

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

❶ Voice Recognition button ( )
- Press to start voice recognition of a connected smartphone via phone projection.
- Press and hold the button to end the function.

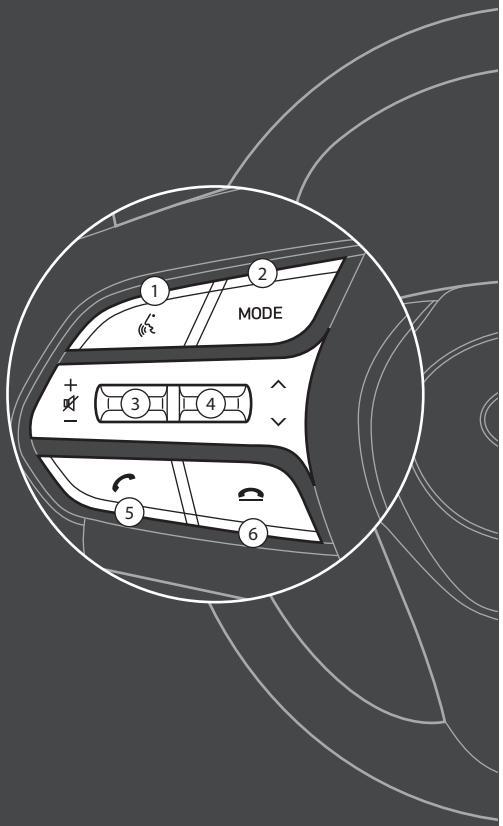
❷ MODE button
- Press the button repeatedly to toggle among radio, and media modes.
- Press and hold the button to display the settings for the steering wheel mode button: ▶ see "Steering wheel MODE button."

❸ Volume lever (+/-)/Mute button ( )
- Push the lever up or down to adjust the volume.
- Press the button to mute or unmute the volume.
- Press the button to pause or resume during playback.

❹ 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).

❺ Call button ( )
- Before connecting the Bluetooth, press the button to display the Bluetooth connection window.
- After connecting the Bluetooth, press the button to display a list of recent calls.
- Press and hold the button to redial the latest number with the Bluetooth connected.
- Press the button to answer a call with the Bluetooth connected.
- During a Bluetooth call, press the button to place the call on hold.
- During a Bluetooth call, press and hold the button to switch between the system and mobile phone.

❻ End Call button ( )



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

Turning the system on or off

Turning on the system

1 Turn on the vehicle.

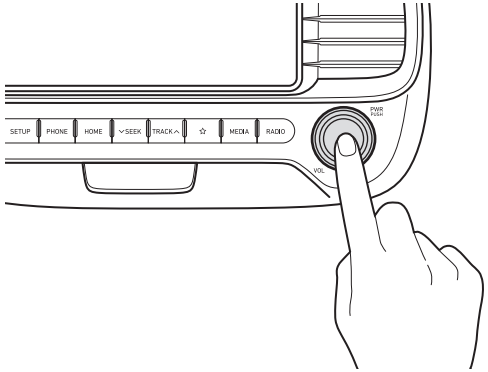
2 When a safety warning message appears, read it and tap **Confirm**.

To change the display language, tap **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

- 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

- 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 tap **Settings** ► **Sound** ► **Volume ratio** ► **Volume limitation on start-up** 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

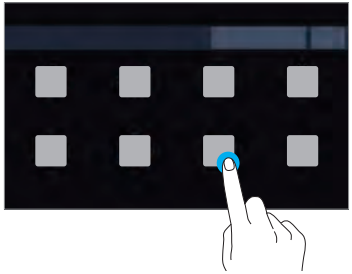
- Do not press the touch screen with excessive force or a sharp object. The touch screen may become damaged.
- Be careful for the touch screen not to contact any electrically charged object. Static or other electric shock may cause the system to malfunction or damage the touch screen.

The touch screen will not respond when you are wearing gloves. Take off the gloves or wear electrostatic touch gloves.

“Tap” gesture

Lightly tap the desired item and release the finger.

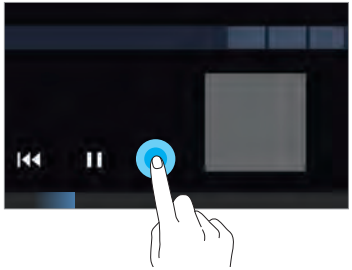
The corresponding function is run or the corresponding menu is selected.



“Touch and hold” gesture

Touch and hold the desired item.

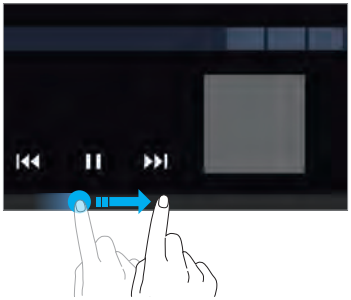
It is used to fast forward or rewind during playback.



“Slide” gesture

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

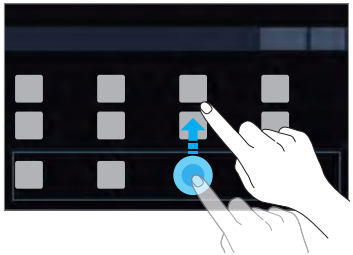
You can change the playback position during playback.



“Drag” gesture

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

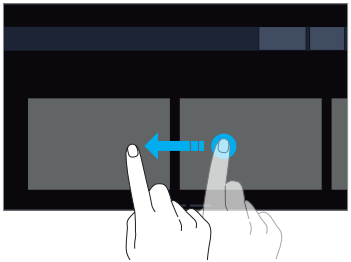
The selected item moves to the new position.



“Swipe” gesture

Lightly swipe the screen in the desired direction.

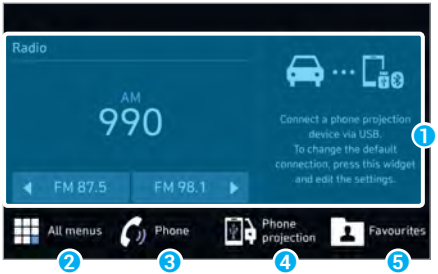
It is used to move fast vertically or horizontally across the menu screen or options list.



Home screen

The Home screen provides various functions.

To return to the Home screen from other screens, tap ⌂.



1. Displays active widgets. When a widget is tapped, the corresponding function runs in full screen. ▶ see "Editing widgets on the Home screen."
2. The All menus screen appears.
3. Displays the Call screen.
4. When the phone projection is connected, the corresponding screen appears.
5. Displays the Favourites screen. ▶ see "Using the Favourites."

Editing widgets on the Home screen

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

Edit large widget

1 On the Home screen, tap **Menu** ▶ **Edit large widget**.

2 Select a widget for the left side of the screen.

To initialize the types of widgets, tap **Default**.

Edit small widget

1 On the Home screen, tap **Menu** ▶ **Edit small widget**.

2 Select a widget on right side.

To initialize the types of widgets, tap **Default**.

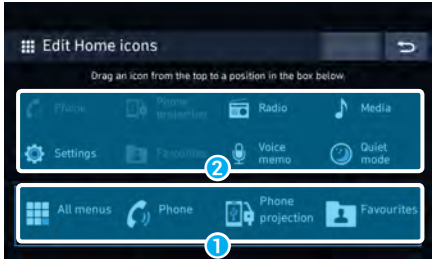
Editing icons on the Home screen

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

1 On the Home screen, tap **Menu** ▶ **Edit Home icons**.

2 Perform any of the following options:

- To change the icon type, tap and hold the desired icon and then drag it from the icon list to the icon area.
- To change the location of an icon, tap and hold the icon and then drag it in the icon area to the desired position.



❶ List of icons
❷ Icon area

To initialize the types and positions of icons, tap **Default**.

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 favorite menu

1 On the All menus screen, tap **Favourites** ▶ **Add to favourites**.

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

2 Select an item to add and tap **Add** ▶ **Yes**.

Arranging the items in Favourites

You can change the order of items in Favourites.

1 On the All menus screen, tap **Favourites** ▶ **Menu** ▶ **Rearrange**.

2 Tap 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

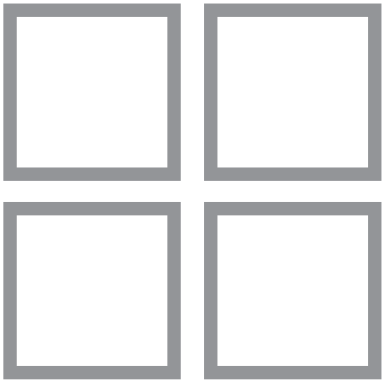
You can delete items from the list of favourites.

1 On the All menus screen, tap **Menu** ▶ **Delete**.

2 Select an item(s) to delete and tap **Delete** ▶ **Yes**.

MEMO

02
Useful functions



Using the phone projection function

Driving assist video

Voice Memo

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.

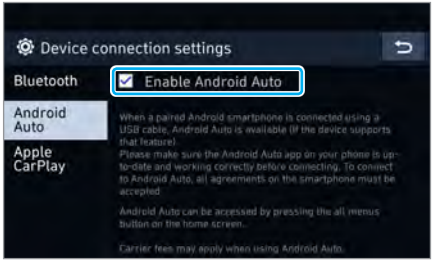
Paring to an Android smartphone via Android Auto

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, tap **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 tap **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 recognized, the Home screen displays the **Android Auto** menu.

5 On the All menus screen, tap **Android Auto**.

6 Perform the desired function.

- To run the functions for phone, music, or navigation on the smartphone, tap 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 minimized 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
  - MirrorLink
  - Apple CarPlay

Paring 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, tap **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 tap **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 recognized, the Home screen displays the **Apple CarPlay** menu.

5 On the All menus screen, tap **Apple CarPlay**.

6 Perform the desired function.

- To run any of functions (phone, messaging, navigation, etc.) on your iPhone, tap the corresponding function icon.
- To display the system Home screen, tap .
- To run the Siri voice recognition, press the [] button on the steering wheel.
- To run the media application in the iPhone, press the **MODE**] 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 https://www.apple.com/kr/ios/carplay.
- To use the functions on your smartphone with the minimized 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
  - MirrorLink

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.

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.

❶ **Moving direction lines (yellow)**
Displays the vehicle's moving direction based on the steering angle.

❷ **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.

❸ **Collision warning lines (red)**
Used to prevent collision.

- The rear view appears continuously even when you change the shift position other than "R" (Reverse) and "P" (Park) after reversing. When you drive at over 15 km/h, the rear-view video disappears and the previous screen appears.
- 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 reversing. When you set to automatically lower the audio volume, it can prevent accidents caused by failure to hear warnings. On the All menus screen, tap **Settings ▶ Sound ▶ Volume ratio ▶ Proximity Warning**.

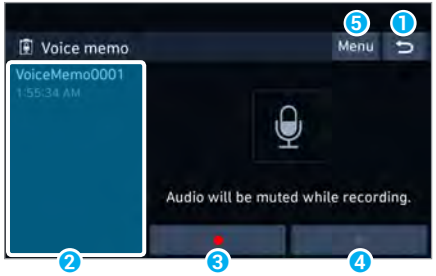
Voice memo

You can use the microphone on the vehicle to record and play voice memos.

Using the voice memos

On the All menus screen, tap **Voice memo**.

Voice memo screen

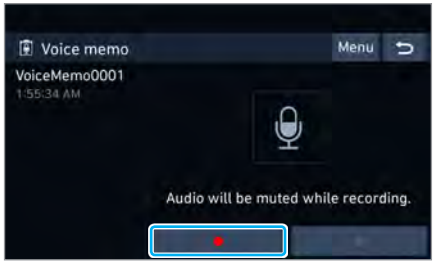


1. Used to return to the previous screen.
2. Displays the list of recorded voice memos.
3. Starts or pauses the recording.
4. Stops recording.
5. The list of menu items appears.
   - **Delete**: Can delete a voice memo.
   - **Save to USB**: Can record a voice memo to a USB storage device. You can delete voice memos in the USB storage devices formatted in FAT16/32.
   - **Memory**: Can see the file size of recorded voice memos.

Recording a voice memo

1 On the **Voice memo** screen, tap ●.

It starts recording a voice memo.



2 When recording is finished, tap ■ on the screen or press the [☎] button on the steering wheel.

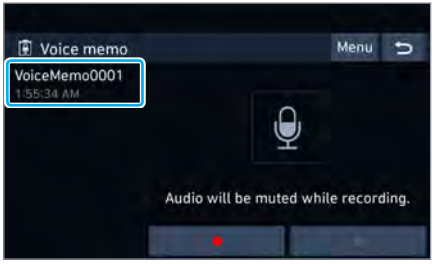
The voice memo is automatically saved.

- To temporarily stop recording, tap ❚❚.
- When recording starts, the other audio functions are muted or playback is paused.
- When you make or receive a call while recording, the recording is paused.
- When you make an emergency call or you are connected to an emergency call after airbag deployment, the recording is stopped and the recorded voice memo is automatically saved.

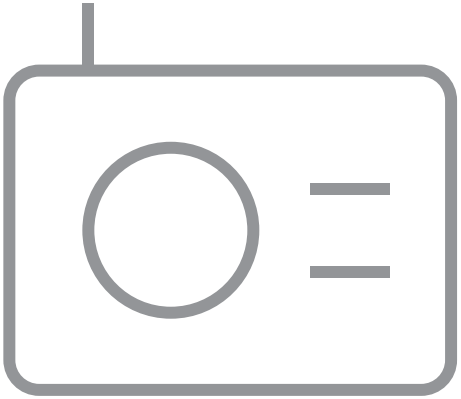
Playing a voice memo

You can select and play a recorded voice memo.

From the list of **Voice memos**, tap the desired voice memo.



03
Radio



Manipulating the radio

Manipulating the radio

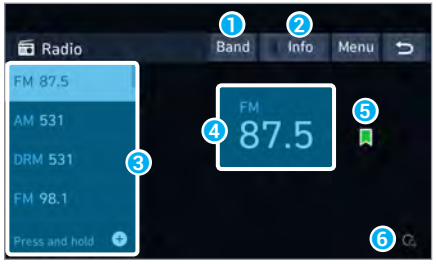
You can scan radio channels by using various options. Save your favorite channels to the presets list.

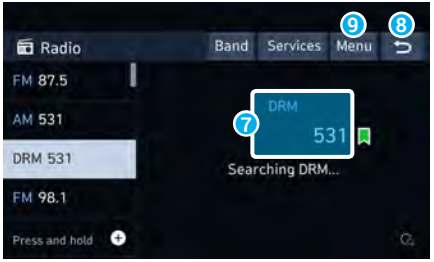
Perform any of the following options:

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

Radio screen

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





1. Changes to the desired band among FM, AM and DRM.
2. Turns the Radio text information transmitted from the broadcasting station on and off.
3. Presets list
4. Radio broadcast information
5. You can delete or save the current frequency to the presets list.
6. You can listen to each radio channel for a short time and select a desired channel.
7. DRM Station name
8. Used to return to the previous screen.

❾ The list of menu items appears.

- **Station list**: Can see the list of available radio stations.
- **Auto-sort Presets**: Used to sort the presets according to the order of radio station frequencies.
- **Reorder Presets**: Can change the location of a channel by dragging on the presets list.
- **Delete Presets**: Can delete a registered channel from the presets list.
- **Sound settings**: Can configure system sound settings.
  ▶ see “Configuring the sound settings.”

- 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 **Band** and select a desired mode.
- On the control panel, press the [**RADIO**] button repeatedly.

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

Changing the radio channel

Perform any of the following options:

- On the **Radio** screen, tap a desired channel from the presets list.

  You can change the channel simply by pushing the [∧/∨] 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, tap .

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

2 When you find the desired broadcast, tap .

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

The current channel is added to the presets list.

- Tap and hold a previously configured preset number to reassign it with the currently listening channel.
- You can register up to 40 channels.
- To arrange the presets according to the order of frequencies, tap **Menu** ▶ **Auto-sort Presets**.

Editing the radio channel list

Changing the order of registered channels

1 On the **Radio** screen, tap **Menu** ▶ **Reorder Presets**.

2 On the presets list, tap 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, tap **Menu** ▶ **Delete Presets**.

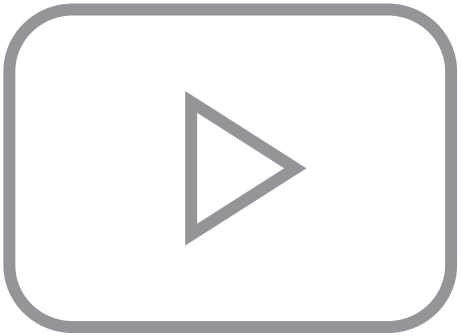
2 Select the channel to delete and tap **Delete** ▶ **OK**.

The channel is deleted and the preset number is emptied.

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

MEMO

04
Media



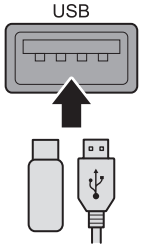
Using media

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.



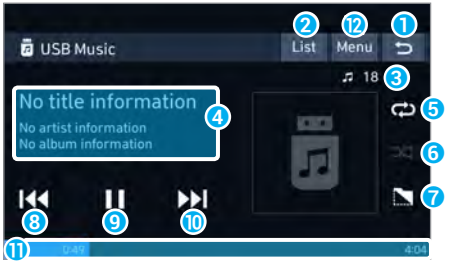
- Playback may start automatically depending on the media type.
- For more information about supportable devices and file types: ▶ see “USB mode.”
- The shapes and arrangement of the buttons and multimedia USB port may differ depending on the vehicle model and specifications.

2 Perform any of the following options:

- On the Home screen, tap 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 tap 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. Number of files on the current playlist
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.

❽ Restart playing the current file or previous file.

❾ Can pause or resume playback.

❿ Can play the next file.

⓫ Can see the duration of the playing song and the current playback position.

⓬ The list of menu items appears.

- **Media Sources**: Opens the media selection window.
- **Sound settings**: Can configure system sound settings.
  ▶ see “Configuring the sound settings.”

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, tap ❚❚ / ▶.
- 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, tap and hold ⏮ / ⏭.
- On the control panel, tap 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, tap ⏮.
- On the control panel, tap the [∨**SEEK**] button.
- On the steering wheel, press up the [∧/∨] lever.

- When you tap the ⏮ button after 3 seconds once playback has started, the current file is played from the beginning.
- When you tap ⏮ 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-tap ⏮. Alternatively, double-tap the [∨**SEEK**] button on the control panel.
- To play the next file on the USB music playback screen, tap ⏭. Alternatively, tap 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, tap 🔁 repeatedly.

Each time the icon is tapped, 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

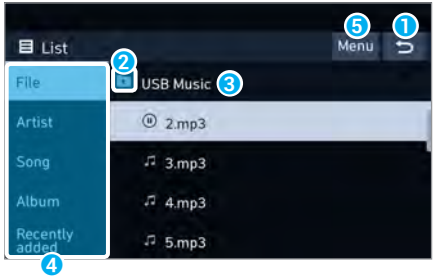
You can turn on or off the random playback mode for USB music.

On the USB music playback screen, tap 🔀 repeatedly.

Each time the icon is tapped, 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 tapping **List** on the USB music playback screen.



❶ Used to return to the previous screen.

❷ Moves to the upper folder or category.

❸ Displays the folder/category name.

❹ Can see music files for each category.

❺ 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.

⚠ Caution

- Be sure to start the engine before connecting a USB device. When you start the engine 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 recognized.
- 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 recognized or may not work properly.
  - Encrypted MP3 players
  - USB devices that are not recognized as removable disks
- USB devices may not be recognized 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.

Listening to music via Bluetooth

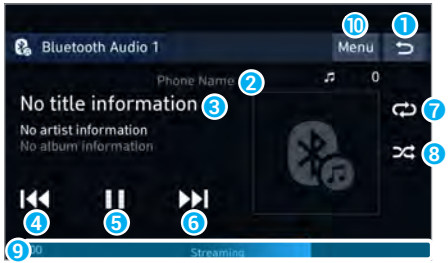
To use a Bluetooth device for audio playback, connect a device that supports Bluetooth communication such as mobile phone and MP3 player.

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 steaming 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. The list of menu items appears.
    - **Media Sources**: Opens the media selection window.
    - **Connections**: Can configure the Bluetooth connection settings. ▶ see “Connecting a Bluetooth device.”
    - **Sound settings**: Can configure system sound settings. ▶ see “Configuring the sound settings.”

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, tap ⏸ / ▶.
- 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, tap ⏮.
- On the control panel, tap 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-tap ⏮. Alternatively, double-tap the [∨ **SEEK**] button on the control panel.
- To play the next audio file on the Bluetooth playback screen, tap ⏭. Alternatively, tap 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, tap 🔁 repeatedly.

Each time the icon is tapped, 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

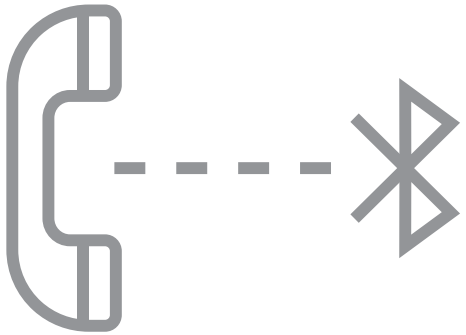
You can turn on or off the random playback mode for Bluetooth audio.

On the Bluetooth audio playback screen, tap 🔀 repeatedly.

Each time the icon is tapped, 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.

05
Phone



Connecting a Bluetooth device

Making a call via Bluetooth

Accepting an incoming call 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 connects, ▶ 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.

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, tap **Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth connections ▶ Add new**.

To register a device for the first time, press the [ ] button on the steering wheel or by tapping **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.

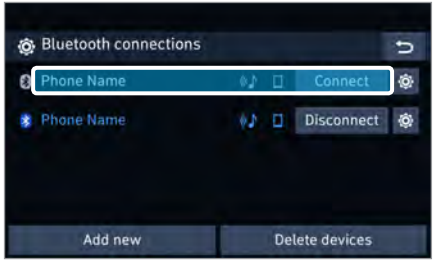
Connecting a registered device

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.

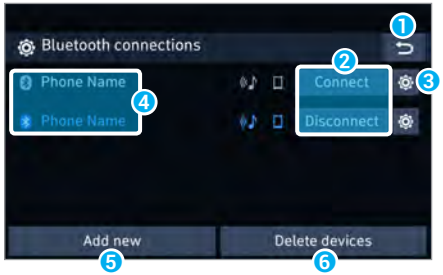
1 On the All menus screen, tap **Settings** ▶ **Device connection** ▶ **Bluetooth** ▶ **Bluetooth connection**.

2 Tap the device name to connect or tap **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, tap **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 tapping 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.

Disconnecting a registered device

1. On the All menus screen, tap **Settings** ▶ **Device connection** ▶ **Bluetooth** ▶ **Bluetooth connection**.
2. Tap the connected device name or tap **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, tap **Settings** ▶ **Device connection** ▶ **Bluetooth** ▶ **Bluetooth connection** ▶ **Delete devices**.
2. Select a device to delete and tap **Delete**.

   To delete all registered devices, tap **Mark all** ▶ **Delete**.

3. Tap **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 recognize 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.

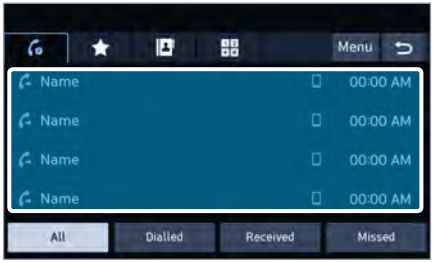
1 Perform any of the following options:
   - On the All menus screen, tap **Phone**.
   - On the steering wheel, press the [ ] button.

2 On the Bluetooth Call screen, tap .

3 Choose a call from the list.

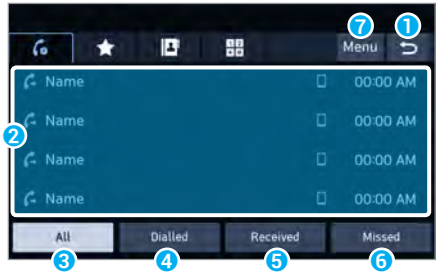
   The system dials the selected number.

   You can move to a desired number by pushing the [∧/∨] lever on the steering wheel without tapping on the screen.



- The download may not work in some phone models.
- You can download up to 50 call records for each list.
- The call times 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.

Dialing from the favorites 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 favorites list. Call your favorite contacts quickly and easily by selecting them from the list.

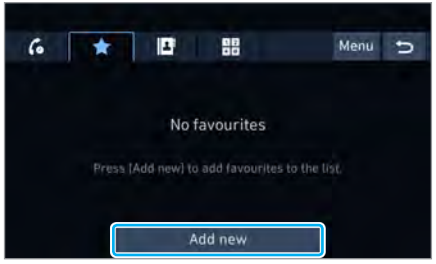
1 Perform any of the following options:

- On the All menus screen, tap **Phone**.
- On the steering wheel, press the [ ] button.

2 On the Bluetooth Call screen, tap ☆.

3 On the favorites screen, tap **Add new** and select a name from the displayed list.

If you already have contacts on your favorites list, tap **Menu** ▶ **Edit** on the Favorites screen.



4 To set a phone number as a favorite, tap the ☆ button next to it.

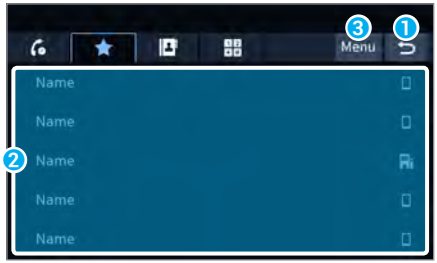
The phone number is now added to your favorites list.

5 Choose a contact from the list.

The system dials the selected contact.

- You can add up to 10 favorite contacts for each device.
- In the favorite contacts list, the default emergency phone number is set for use upon emergency.
- 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.
- 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. View a list of favorite contacts.
3. The list of menu items appears.
   - **Edit**: Add a new contact or edit the favorites list from downloaded contacts.
   - **Delete**: Delete a contact from the favorites list.

Dialing from the contacts

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

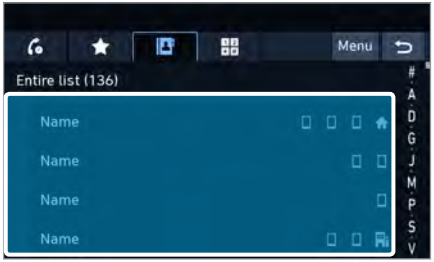
When you connect your mobile device with the system via Bluetooth, contacts from the device are downloaded to the system, and you can choose to call them from the system screen. The system has a built-in microphone and speaker that allows using phone safely and easily.

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

2 On the Bluetooth Call screen, tap .

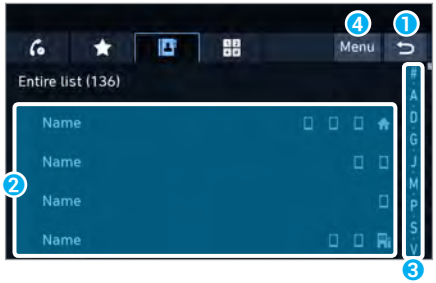
3 Select a contact from the list.

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.
- 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.

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 recognize 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:

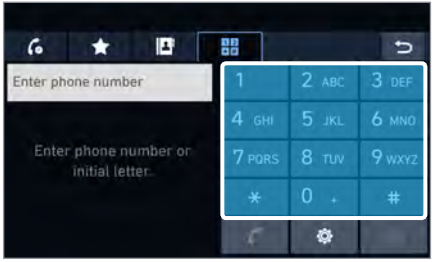
- On the All menus screen, tap **Phone**.
- On the steering wheel, press the [ ] button.

2 On the Bluetooth Call screen, tap .

3 After entering a phone number, tap .

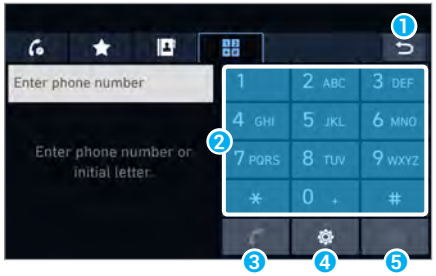
A call is connected to the entered phone number.

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. Tap 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.

   - Tapping this button will display the most recently dialed numbers in the field.
   - Tap and hold this button to automatically call the most recently dialed number.

4. Can configure the Bluetooth connection settings.
5. Delete an entered number.

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:

- Tap **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 recognize 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:

- Tap **Reject** on the screen.
- On the steering wheel, press the [ ] button.

Using functions during a call

During a call, the following screen appears.

Tap 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.

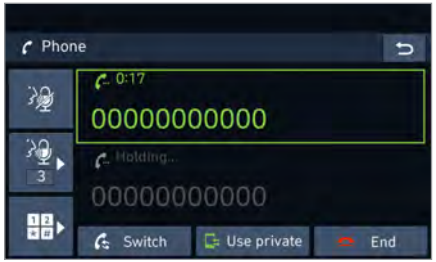
- When a caller is in the contact list, the caller's name and phone number appear. Otherwise, only the phone number appears.
- During a call with a Bluetooth connection, you cannot switch to another screen such as AV mode.
- Depending on the phone model, the call volume of the other party may differ.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

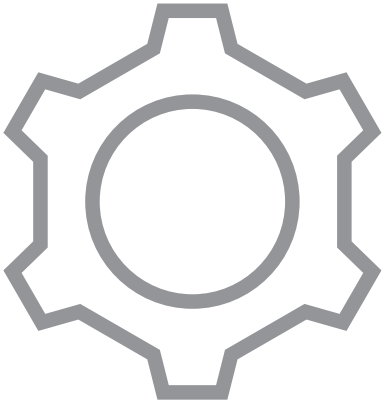
To switch between two calls, use either option.

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



This option may not be available in some phone models.

06
Settings



Device connection settings
Configuring the advanced system settings
Configuring the general system settings
Configuring the sound settings
Configuring the display settings

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, tap **Settings** ▶ **Device connection**.

The device connection settings screen appears.

2 Configure the settings required:

Bluetooth

You can register or delete a Bluetooth device from 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.

Bluetooth connections

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.

Bluetooth system info

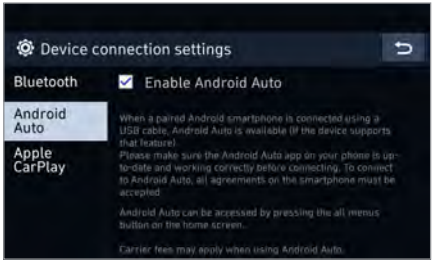
Can see and edit the Bluetooth information of the system.

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

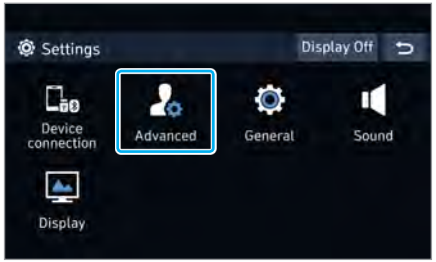
You can activate the Apple CarPlay functino to pair your iPhone with the system.

Configuring the advanced system settings

You can configure the settings for notification and button actions.

1 On the All menus screen, tap **Settings** ► **Advanced**.

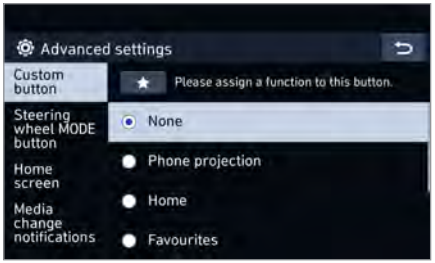
The advanced settings screen appears.



2 Configure the settings required:

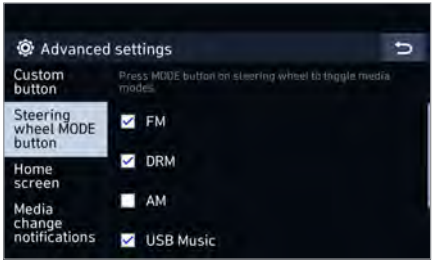
Custom button

You can set the function to run when the custom button [☆] on the control panel is tapped. Set the frequently used functions as custom buttons to access them easily.



Steering wheel MODE button

You can select the media mode to run when the [**MODE**] button on the steering wheel is pressed.

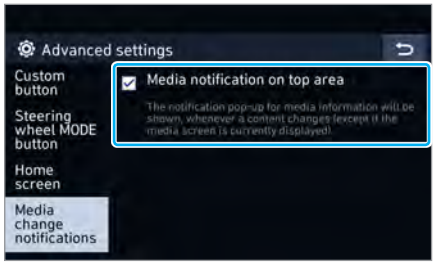


Home screen

Can change the Home screen configuration and layout.

Media change notifications

You can set to display the changed music or channel information at the top of the screen when switched to another function during media playback.



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.

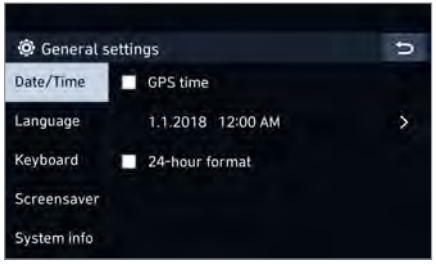
1 On the All menus screen, tap **Settings** ▶ **General**.

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.

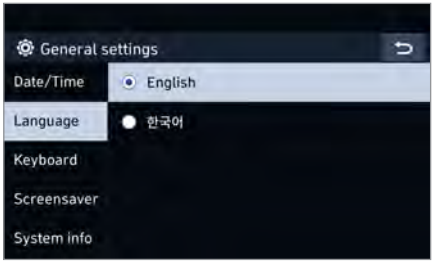
  To manually set the date and time, uncheck **GPS time**, tap the current date and time below **GPS time**, and then set the date and time.

- **24-hour format**: The system time is displayed in the 24-hour format.

  For example, when **24-hour format** is checked and the current time is 01:08 pm, the system screen displays the time as “13:08.” When the checkbox is deselected, the time display changes to “01:08 PM.”

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 tap 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.

Keyboard

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

- **Latin keyboard**: Can select the keyboard type to use when entering the English text.
- **Keyboard type - Korean**: Can select the keyboard type to use when entering the Korean text.

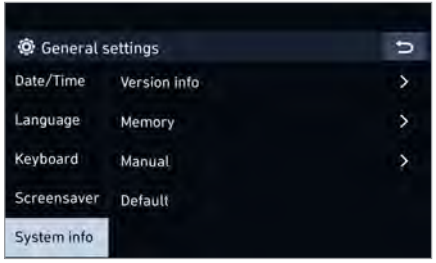
Screensaver

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 analog 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 use your smartphone to access the online user'fs manual o the system, or reset all system settings to default values.



Version info

Can see the versions of system components.

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 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.

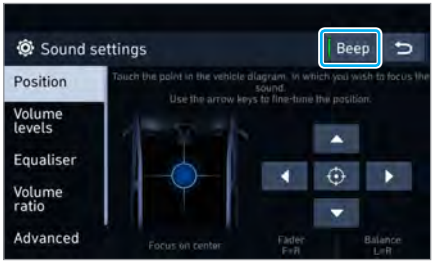
1 On the All menus screen, tap **Settings** ▶ **Sound**.

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, tap **Beep** at the top of the screen.



Position

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

Volume levels

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 volume settings to defaults, tap **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, tap **Default** next to the function name.

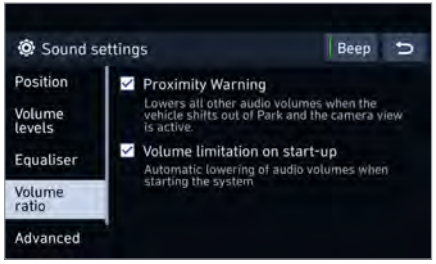
Equaliser

You can adjust the sound by adjusting the strengths (output levels) for each audio band: BASS, MID, 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, tap **Centre**.

Volume ratio

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

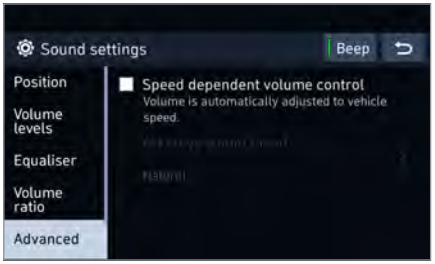


- **Proximity Warning**: When warning sound is generated while parking, the audio volume decreases to make the sound audible.
- **Volume limitation on start-up**: Can set to automatically decrease the audio volume to an adequate level when turning on the vehicle.

Advanced

Can change the system sound settings and apply various sound effects.

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

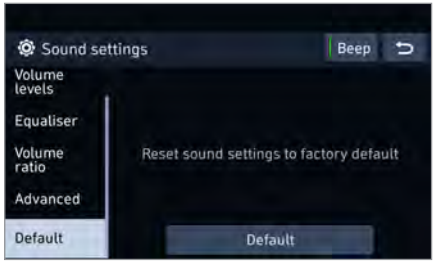


Speed dependent volume control

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

Default

Can reset all sound settings to defaults.

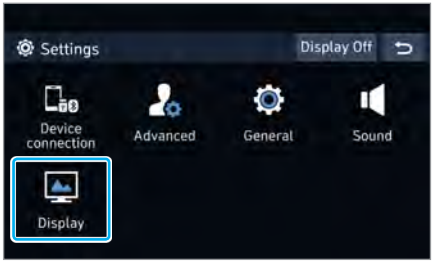


Configuring the display settings

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

1 On the All menus screen, tap **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 is activated when **Auto-illumination** is turned off. Keeps the display always bright regardless of the surrounding environment.
- **Night**: It is activated when **Auto-illumination** is turned off. Keeps the display always dark regardless of the surrounding environment.

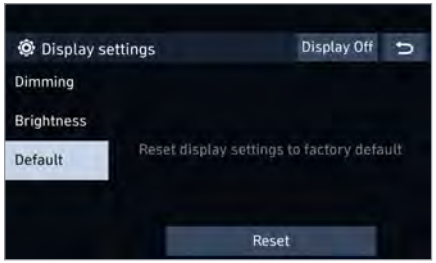
Brightness

You can set the level of display brightness to use while using the daytime or night mode.

To adjust the level of system display brightness to use when **Dimming** is set to **Daylight** or **Night**, tap the selected mode's scroll bar or the − / + buttons to customize the brightness level.

Default

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



07

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.

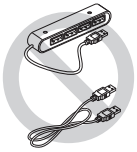
When the trouble persists even after taking the suggested actions, contact the company's service center or service agency.

Sound and video issues

Symptom	Possible cause	Solution
A blank screen appears and sound is not audible.	The system is turned off.	• Check that the start switch is in "ACC" or "ON." • Press the [**PWR**] button to turn on the system.
	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 [🔇] button to make the sound audible.
Sound is audible from only one side of the speakers.	Sound is imbalanced.	On the All menus screen, tap **Settings** ▶ **Sound** ▶ **Position** 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.	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 Hyundai Motor Company's service center 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, tap **Settings** ► **Device connection** ► **Bluetooth** ► **Bluetooth connections** > **Add new** 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.	Activate the Bluetooth function on the Bluetooth device to connect.
	Any error occurs while using the Bluetooth function.	• Turn the Bluetooth function off and on on the Bluetooth device and then connect the device again. • Turn the Bluetooth device off and on and then connect the device again. • Remove the battery from the Bluetooth device and attach it back, turn on the device, and then connect the device again. • Delete the system and Bluetooth device from the registration lists respectively and then connect the device again.

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. • Android Auto: https://support.google.com/androidauto • Apple CarPlay: https://www.apple.com/kr/ios/carplay
	The function is inactive.	• On the All menus screen, tap **Settings ▶ Device connection**, select the function to use, and then turn on the phone projection option. • Make sure that the phone projection is not disabled in the application settings or block-out settings on your smartphone.
	Smartphone is encountered with poor operation or malfunction.	• Check that the smartphone battery level is not too low. Recognition may not work properly when the battery level is too low. • The phone projection may not work properly when the signal strength is weak. • When the smartphone is locked, first unlock it. • Reset the smartphone and connect the device again.
A black screen appears when the phone projection is activated or in use.	The smartphone malfunctions.	• Remove the USB cable from the smartphone and connect the device again. • Reset the smartphone and connect the device again.

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.	• Reset the system by pressing the reset button with a sharp object such as pen or clip. • When the symptom persists, contact Hyundai Motor Company's service center or service agency.
The system is not turned on.	Fuse-related issues	• Visit an auto service shop and replace the fuse with a new one of appropriate capacity. • When the symptom persists, contact Hyundai Motor Company's service center or service agency.

MEMO

8

Appendix

System status indicator icons

FAQ

Product specifications

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

Audio	AV sound muted
NAV Audio	All sound outputs muted
	Recording a voice memo

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

- Battery level on the screen may differ from the one on the connected Bluetooth device.
- Signal strength on the screen may differ from the one on the connected mobile phone.
- Some icons may not appear depending on the vehicle model and specifications.

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, tap **Settings** ▶ **Device connection** ▶ **Bluetooth** ▶ **Bluetooth connection** ▶ **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, tap **Delete devices** from the list of Bluetooth devices, select the device to delete, and then tap **Delete**. ▶ see “Deleting 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 tap on the call screen. You can search for a contact and make a call to the contact, or add the contact to the favorites. ▶ 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 Hyundai Motor Company's service center 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–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-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

- 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 recognized.
  - USB memory cards (e.g. CF cards, SD cards) may not be recognized.
- 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 Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	DIGI Works

- USB hard drives may not be recognized.
- 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 ℃
Storage temperature range	-40 to +85 ℃
External dimensions	275.7 x 143 x 180.6 mm
Electric current consumption	2.5 A
Weight	2.02 kg

Display

Item	Specifications
Display size	AV body unit - 10.25 inch (243.65 x 91.37 mm)
Number of pixels	AV unit - 1,382,400 pixels (resolution: 1920 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	2400–2483.5 MHz
Supported Bluetooth version	4.1
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 Channels

Registered trademarks

- The “Bluetooth®” trademark and logo are registered trademarks owned by Bluetooth SIG, Inc. The Hyundai-Kia Group uses this trademark under a licensing agreement.

  To use the Bluetooth® radio technology, make sure your mobile phone supports the Bluetooth® communication.
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DivX

This product is DivX certified (DivX Certified®) and can play DivX® HD video files (including .avi and .divx files).

Download the free software from www.divx.com and experience digital video creation, playback, and streaming service.

Protected by one or more of the following U.S. patents:

8,731,369; 9,369,687 RE45,052.

This is a DivX Certified® product, and can play DivX® HD video files such as .avi and .divx.

FCC Warning

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.

IC Warning

"This device complies with Industry Canada licence-exempt RSS standard(s)."
Operation is subject to the following conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas provoquer de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.