

## Changing the radio mode

### Perform any of the following methods:

- On the **Radio** screen, press Radio Mode button repeatedly.
- On the control panel, press the [RADIO] button repeatedly.

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



 The screen may differ depending on the vehicle model and specifications.

## Changing the radio channel

### Perform any of the following methods:

You can listen to the changed radio broadcast.

- On the **Radio** screen, press the desired channel from the presets list.
  -  You can also change the channel by using the Move lever / button on the steering wheel.
- On the control panel, press the < SEEK/TRACK > button. You can move to the previous or next channel with good reception (if equipped).
  -  If any Search knob on the control panel, you can also change the frequency by using the knob.

### Using the scan function

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

1. On the Radio screen, press  > **Scan**.
2. When you find the desired broadcast, press the radio screen.  
You can continue listening to the scanned channel.

## Saving radio channels

You can save a specific radio station's channel and easily access the channel.

While listening to a broadcast, press  on the screen.

The current channel is added to the presets list.

 Alternatively, on the **Radio** screen, press  > Station List and press  of the channel you want to save. The channel is saved to the preset list.

 You can register up to 24 channels.



 The screen may differ depending on the vehicle model and specifications.

## Editing the radio channel list

### Deleting a registered channel

1. At the upper left of the **Radio** screen, press  > **Delete Presets**.

2. Select the channel to delete and press **Delete** > **Yes**.

The channel is deleted and the preset list is emptied.

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

# Listening the HD Radio™

You can listen to radio from HD Radio stations when they are available.

## Perform any of the following methods.

- On the Radio screen, press .

When HD Radio signals are received, the radio switches from the analog mode to the HD mode.



- ✎ The screen may differ depending on the vehicle model and specifications.
- ✎ In HD mode, the buttons for HD Radio stations appear at the top of the radio screen. Press a button to select any available HD Radio station.
- ✎ HD Radio is available only in metropolitan areas.

## HD Radio™ Technology



### Program Info

Program Info provides song name, artist, station ID, and other relevant data to the receiver.

### Digital Sound

HD Radio broadcasts deliver crystal clear digital audio quality to consumers.

### HD2/HD3

Adjacent to traditional main stations are HD2/HD3 Channels, providing new original formats on the FM dial.

### Artist Experience:

Visual images, such as album art and station logos, of over-the-air broadcasts from HD Radio stations.

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# Phone



## 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 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 "Disconnecting a registered device."



### Warning

- Driving while distracted can result in a loss of vehicle control that may lead to an accident, severe bodily injury, or death. The driver's primary responsibility is the safe and legal operation of the vehicle, and the use of any vehicle systems, including the touch screen and steering wheel controls, which take the driver's eyes, attention, and focus away from the safe operation of the vehicle, or which are not permissible by law, should never be during the operation of the vehicle.
- Park the vehicle at a safe place before connecting a Bluetooth device to the system. It may take the driver attention off the road and cause a traffic accident which can result in damages, injuries, and/or death.

## Registering a device

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

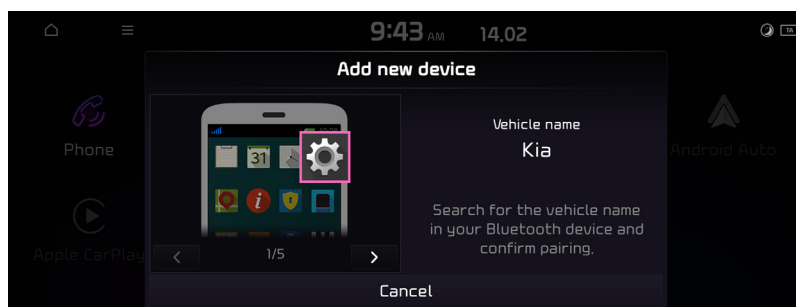
 The screen may differ depending on the vehicle model and specifications.

1. On the All Menus screen, Press **SETUP** > **Device connections** > **Device connections** > **Add new**.

 To register a device for the first time, press the Call button on the steering wheel or by pressing **Phone** on the All Menus screen.

2. 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 Device window.



3. Check that the authentication code on the Bluetooth device screen matches the one on the system screen and approve the connection on the device.
4. When your smartphone is using Bluetooth communication, to download contacts from the phone to the system or use the text message notification allow access to your phone.

 After the access request is approved, it may take a while until the Bluetooth connection is completed. As soon as the 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. To use this function again, turn on the Bluetooth function on the device.

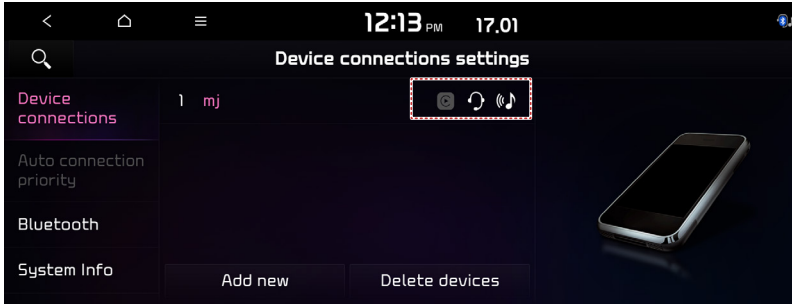
 You can add Bluetooth devices up to 6.

## 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.

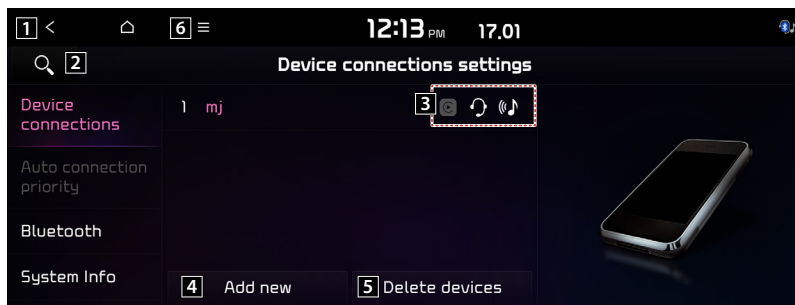
1. On the All Menus screen, Press **SETUP** > **Device connections** > **Device connections**.
2. Press the icons to connect.



✎ 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.

## Bluetooth connection screen



- 1** Returns to the previous step.
- 2** Search for a setting item by entering a keyword.
- 3** Select hands-free or Bluetooth audio to connect or disconnect Bluetooth devices.
- 4** Add a new device to the system.
- 5** Delete a registered device from the system.
- 6** The list of menu items appears.
  - Phone projection settings: Change the setting related to phone projection (if equipped).
  - Settings search: Search for a setting item by voice or by entering a keyword.

## Disconnecting a registered device

1. On the All Menus screen, Press **SETUP** > **Device connections** > **Device connections**.
2. Press the connected icons.

## Deleting a registered device

1. On the All Menus screen, Press **SETUP** > **Device connections** > **Device connections** > **Delete devices**.
2. Select a device to delete and press **Delete**.  
To delete all registered devices, press **Mark All** > **Delete**.
3. Press **Yes**.

 When you delete a registered device, all related contacts, call logs, and text messages are removed 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 use your vehicle microphone and speaker.



## Warning

- Park the vehicle at a safe place before connecting a Bluetooth device to the system. It may take the driver attention off the road and cause a traffic accident which can result in damages, injuries, and/or death.
- 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 hand-free function and make the call as short as possible.

## Dialing from the recent call list

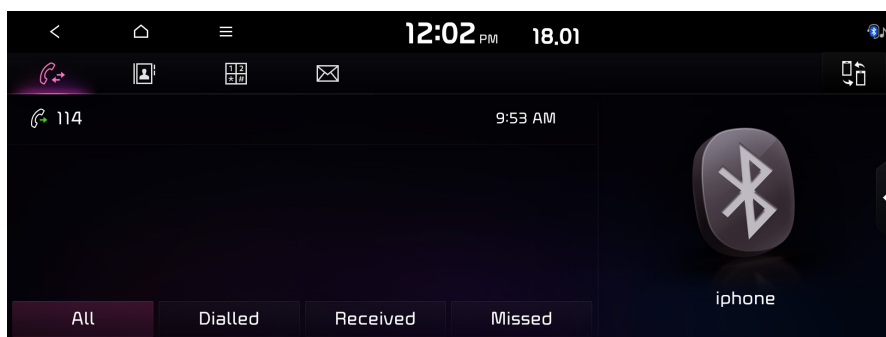
Make calls directly from call history of your mobile device.

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. Your vehicle has a built-in microphone and speaker that make using mobile phones safe and easy.

1. Perform any of the following methods.
  - On the All Menus screen, press **Phone**.
  - On the steering wheel, press the Call button.
2. On the Bluetooth Call screen, press .
3. Choose a name from the list.

The system dials the selected number.

 You can also move to a desired number by using the Move lever/button on the steering wheel without pressing on the screen.



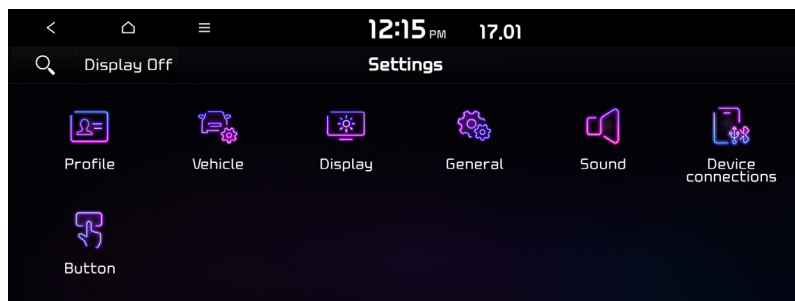
-  The download may not work in some phone models.
-  You can download up to 50 call records for each list.
-  Call durations do not appear on the system screen.
-  You cannot download call records when the download is prohibited by the phone. Some phones
-  models may require approval for a download. 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 a Bluetooth connection. > See "Accepting an incoming call over Bluetooth."

# Settings



# Configuring system settings

Configure various functions required for using the system. View information related to the system.



- ✎ The displayed screen or menu items may differ, depending on the vehicle model and features.
- ✎ Press **☰** > **Settings Search** or press **🔍** and enter a keyword to search for a settings item.
- ✎ If you press **Display Off** at the top of the screen, the screen is switched off. To switch the screen back on, press the screen or briefly press the power button.

# Configuring the device connections 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 Apps on the system screen after connecting the smartphone to the system.

1. On the All Menus screen, Press **SETUP** > **Device connections**.

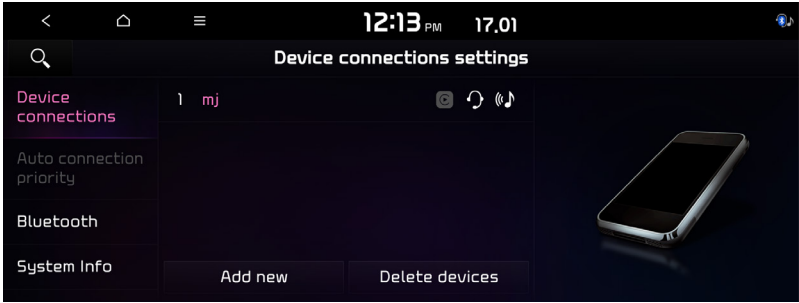
The device connection settings screen appears.

2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

# Device connections

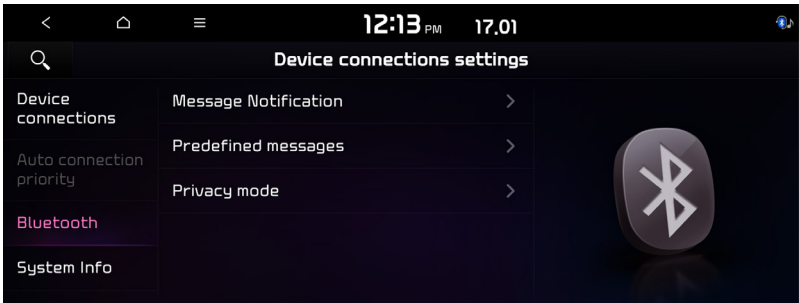
You can register or delete a Bluetooth device from the system and connect or disconnect a registered device.



 From the device connection screen, Press  > Setting Search to configure phone projection settings.

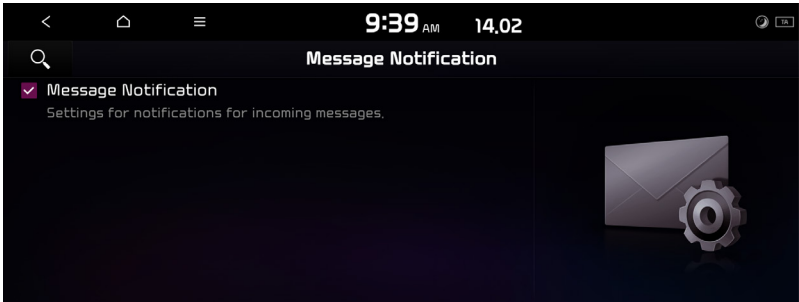
# Bluetooth

You can also configure operation settings such as notifications, messages, and other settings for Bluetooth devices.



# Message Notificaiton

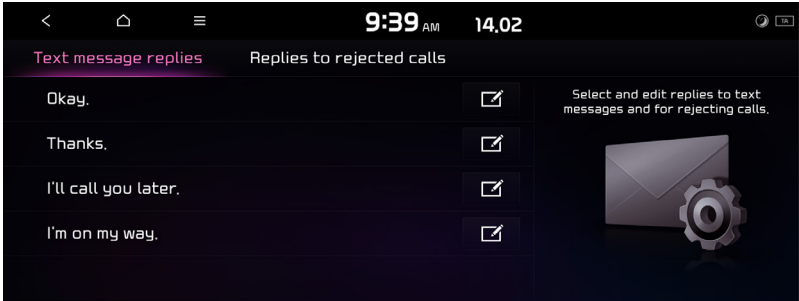
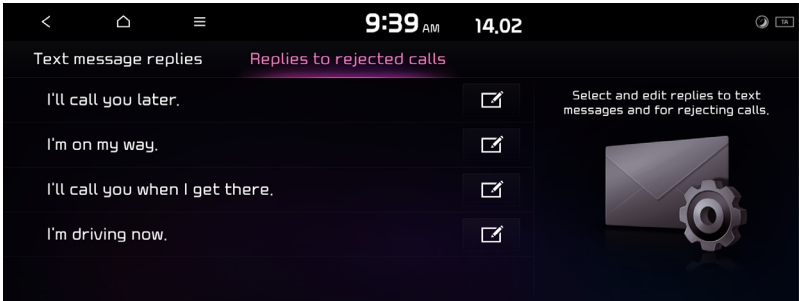
Set to receive message notifications.



 This option may not be available in some phone models.

# Predefind Messages

You can edit the auto-reply message that is automatically sent out after receiving a Text message replies or Replies to rejected calls.

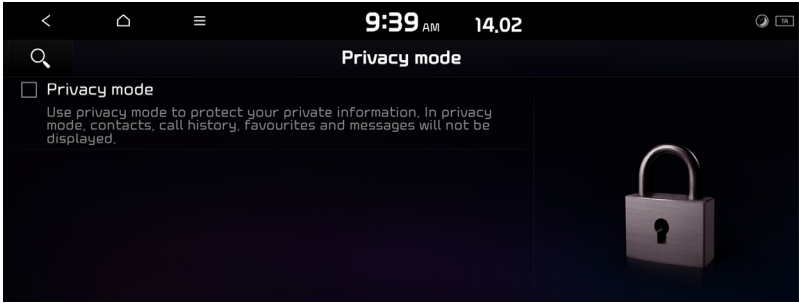


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 This option may not be available in some phone models.

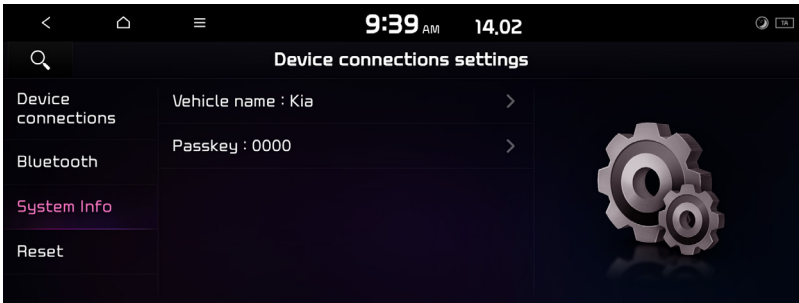
# Privacy Mode

Enable or disable Privacy Mode. Hide data including contacts and call history from showing up on the system screen to protect privacy.



# Bluetooth System Info

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



 The passykey is a 4-digit authentication code used for a Bluetooth connection between the mobile phone and car system. The defauly passkey is set to 0000.

# Reset

This menu is used to reset the Device settings to factory default.  
Press **SETUP > Device connections > Reset > YES**.

# Configuring the button settings

You can configure features to activate when pressing buttons on the control panel or steering wheel.

1. On the All Menus screen, Press **SETUP** > **Button**.

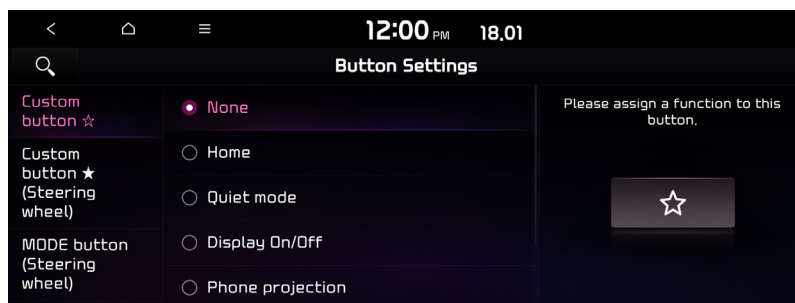
The button settings screen appears.

2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

## Custom button ☆ (Navigation) (if equipped)

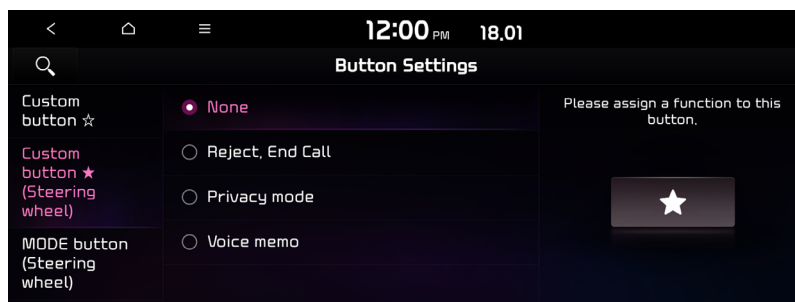
You can set the frequently used functions by pressing the custom button on the control panel. Set the frequently used functions as custom buttons to access them easily.



 The screen may differ depending on the vehicle model and specifications.

## Custom button ★ (Steering Wheel) (if equipped)

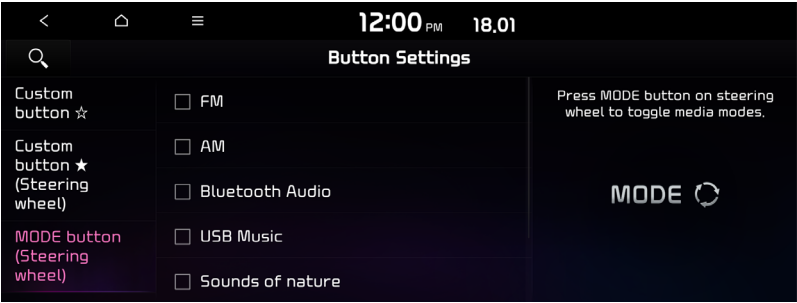
Specify the functions that can be activated by pressing the user button on the steering wheel. Set the frequently used functions as custom buttons to access them easily.



 The screen may differ depending on the vehicle model and specifications.

# MODE button ☆ (Steering Wheel)

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



 The screen may differ depending on the vehicle model and specifications.

# 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 infotainment system and amplifier specifications on the vehicle.

1. On the All Menus screen, Press **SETUP > Sound**.

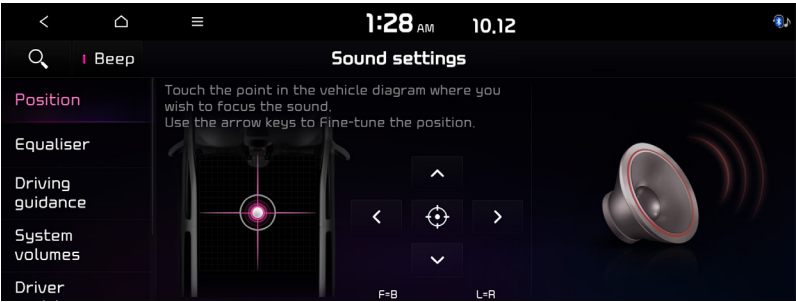
The sound settings screen appears.

2. Configure the settings required.

-  Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

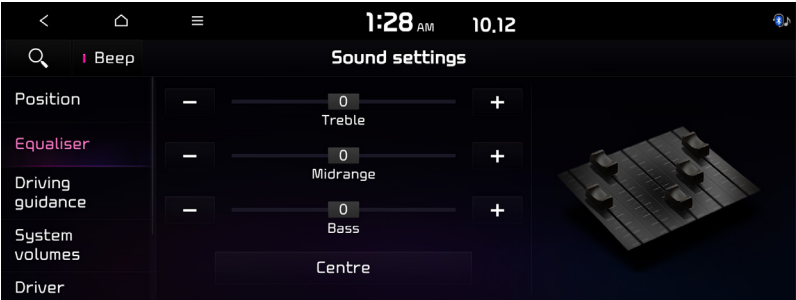
## Position

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



## Equaliser

You can adjust the sound by adjusting the strengths (output levels) for each audio band: Bass, Midrange, and Treble.



 Press **[Centre]** to initialize the settings.

# Driving guidance

Specify the system's guidance voice type, set a certain sound to override other sounds, and configure other guidance sound settings.



 The screen may differ depending on the vehicle model and specifications.

## Guidance volumes

You can adjust the volume levels for individual system features or initialize all volume settings.

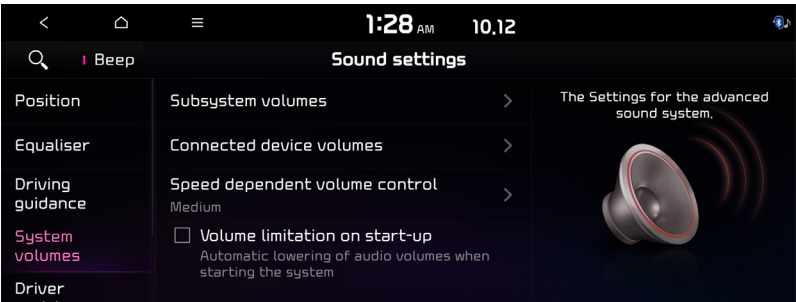
 To initialize all system sound settings, press **Default**.

## Navigation during phone calls

Even during a call, the navigation sound is heard.

# System volumes

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



## Subsystem volumes

This menu allows you to set the volume level for connected device.

### Connected device volumes (if equipped)

This menu allows you to set the volume level for [Android Auto], [Apple CarPlay].

### Speed dependent volume control

You can set the speed dependent volume control among [High], [Medium], [Low] and [Off] so that it controls the volume according to the speed of the vehicle.

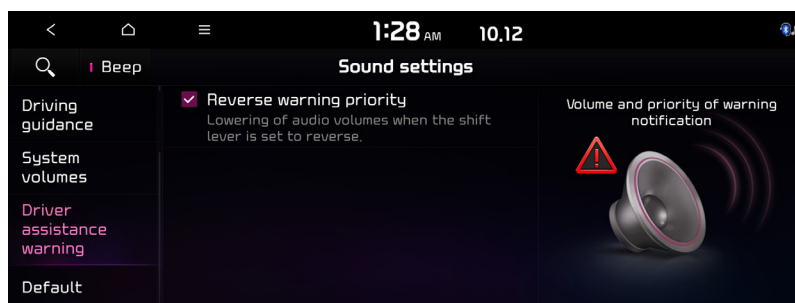
### Volume limitation on start-up

Limits the volume ratio automatically when starting the system. After you turn the system on, audio volume would not be changed if previous volume was moderate

 Press [Default] to reset the volume level settings.

## Driver assistance warning (if equipped)

You can set to give priority to the proximity warning feature and lower all other sounds when parking your vehicle.



### Reverse warning priority

When warning sound is generated while parking, the audio volume decreases to make the sound audible.

## Turning on/off the screen touch sound

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

## Default

This menu is used to reset all sound settings.

Press **SETUP** > **Sound** > **Default** > **Yes**.

# 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, Press **SETUP** > **General**.

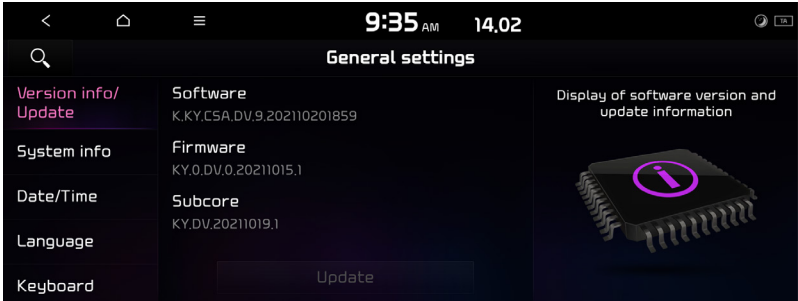
The general settings screen appears.

2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

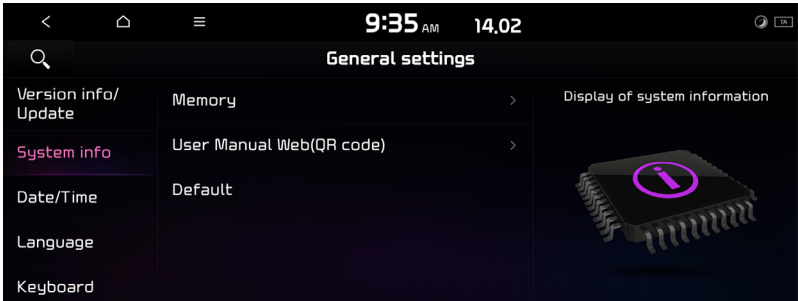
# Version info/Update

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



# System info

You can check the system storage. You can also use your smartphone to access the online user's manual of the system.



# Memory

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

# User Manual Web (QR code)

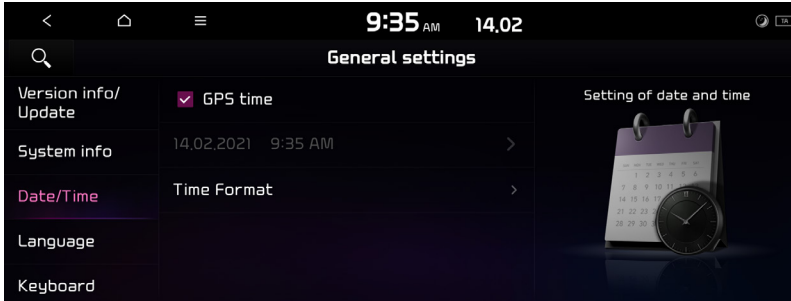
You can check the online user's manual of the system by scanning the QR code with your smartphone.

# Default

This menu is used to reset all settings specified by the user.

# Date/Time

You can see 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.

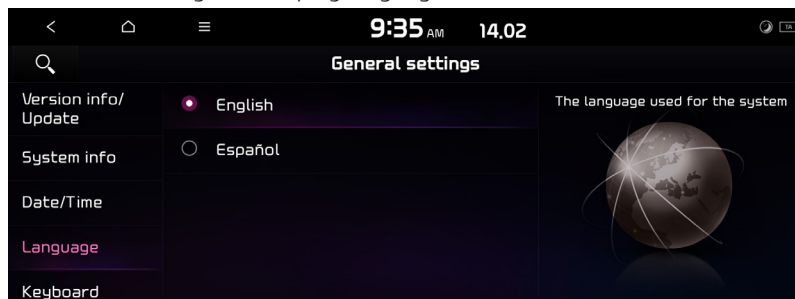
 To manually set the date and time, uncheck **GPS time**, press the current date and time below **GPS time**, and then set the date and time.

## Time Format

Change the system time display format.

## Language

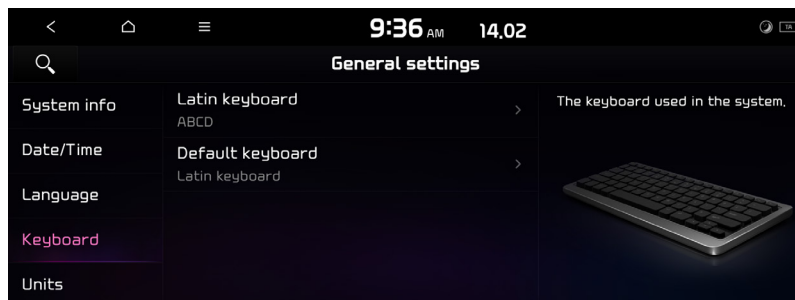
You can set the system display language.



- ✍ 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 press 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 and voice recognition may not be supported.

## Keyboard

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



### Latin Keyboard Type

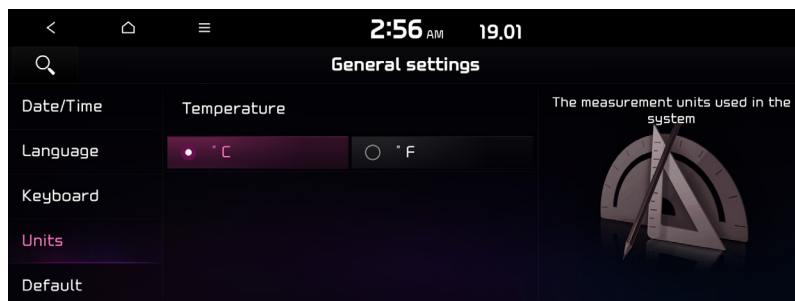
You can select the keyboard type to use when entering the English text. .

### Default Keyboard

You can select the default keyboard type. .

## Units (if equipped)

You can specify the units to display on the system screen.



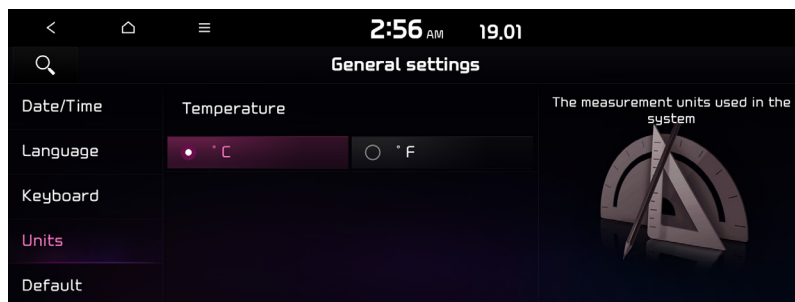
 The displayed screen or name may differ depending on the ehicle model and specifications.

## Temperature

You can select the temperature unit to display on the screen.

## Default

You can reset your system settings to the default values.



 You can also initialize all settings of the login profile.

# Configuring the display settings

You can change the system display settings such as display brightness.

1. On the All Menus screen, Press **SETUP** > **Display**.

The Display settings screen appears.

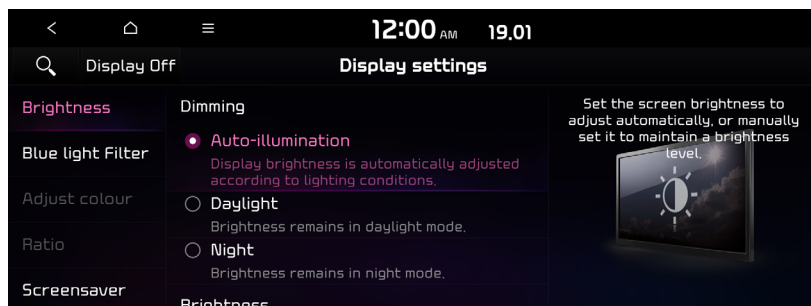
2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

 If you press **Display Off** at the top of the screen, the screen is switched off. To switch the screen back on, press the screen or briefly press the power button.

## Brightness

You can set the system brightness to be adjusted according to the ambient lighting condition to stay bright or dimmed. You can also set to automatically adjust the display brightness dependig on the cluster illumination.



 The screen may differ depending on the vehicle model and specifications.

### Dimming

- **Auto-illumination:** The display brightness is automatically adjusted based on the surrounding environment.
- **Daylight:** The display brightness is adjusted to ensure to ensure that items are easier to see when the surronding area is bright.
- **Night:** The brightness is adjusted to prevent glare when the surronding area is dark.

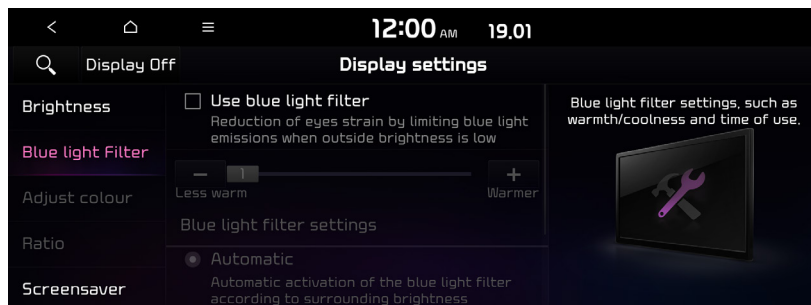
### Brightness

- **Daylight:** You can set the display brightness when **Daylight** is selected under **Mode**. Uncheck **Link to Cluster Illumination Control** and then set to the desired brightness.
- **Night:** You can set the display brightness when **Night** is selected under **Mode**. Uncheck **Link to Cluster Illumination Control** and then set to the desired brightness.

 To reset all screen brightness settings to the defeault valuse, press **Default**.

## Blue Light Filter

Enable blue light filtering to adjust the screen light to reduce the level of eye strain.



 The screen may differ depending on the vehicle model and specifications.

### Use blue light filter

Enable or disable blue light filtering.

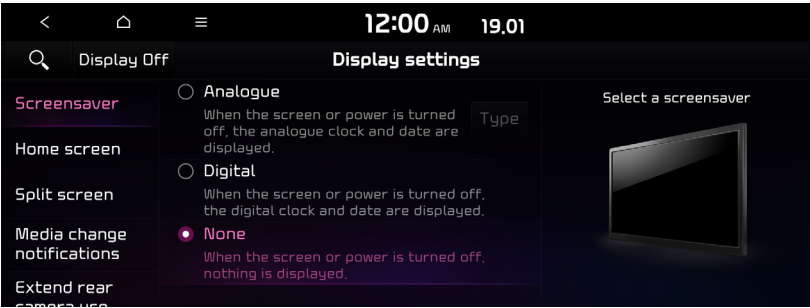
### Blue light filter settings

Set to activate blue light filtering automatically based on the ambient light or pick the time range manually.

- **Automatic:** Enable blue light filtering based on the ambient light.
- **Scheduled time:** Enable blue light filtering during the set time range.

# Screensaver

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



## Analog

Displays the analog clock on the system screen saver.

## Digital

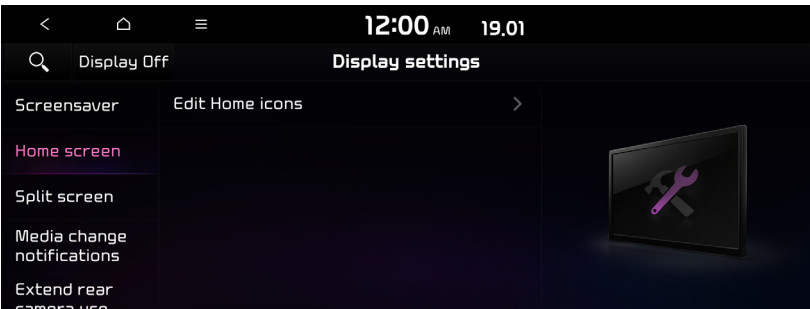
Displays the digital clock on the system screen saver.

## None

Displays nothing on the system screen saver.

# Home screen (if equipped)

You can rearrange the icons displayed on the All screen.

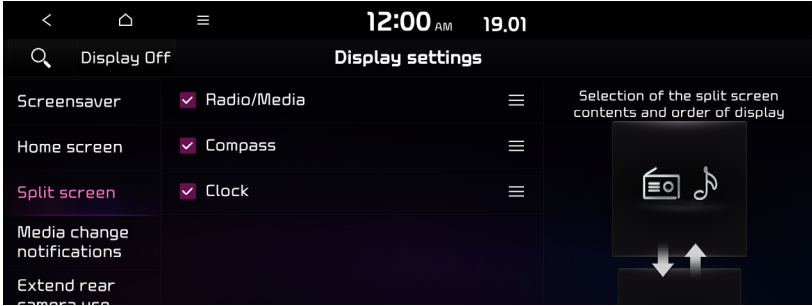


## Edit Home icons

You can edit the arrangement of home icons.

## Split screen (if equipped)

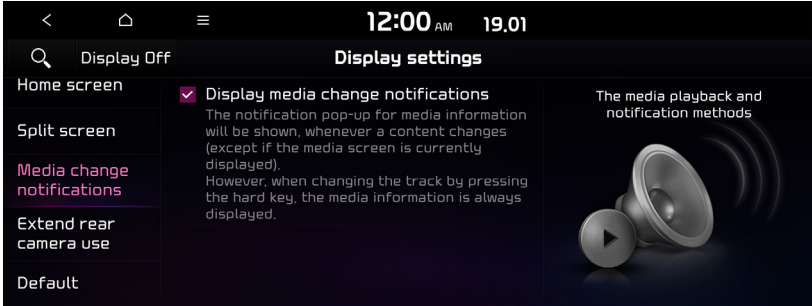
You can specify the items to display on the Split Screen.



- The screen may differ depending on the vehicle model and specifications.
- This option is only available when the display supports Split Screen.
- On the screen list, press on the right and drag the item to reposition.

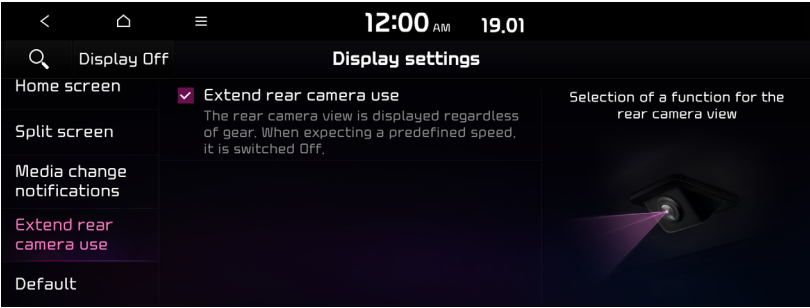
## Media Change Notifications (if equipped)

You can set to briefly display media information at the top of screen while playing the next item when you move from the media player screen to another.



# Extend rear camera use (if equipped)

You can set to display the rear camera display even when you change the shift positon other then "R" (Reverse) after reversing.



 When you shift to "P" (Park) or drive at a predetermined speed or faster, the rear view display disappears to display the previous screen.

## Default

This menu is used to reset all display settings.  
Press **SETUP > Display > Default > Yes**.

# Reference



# Precautions for Safety

|                                                                                                                                                                                   |                                                                                           |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                                  | <div><b>CAUTION</b></div> <div><b>RISK OF ELECTRIC SHOCK</b><br/><b>DO NOT OPEN</b></div> |  |
| <p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p> |                                                                                           |                                                                                   |



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions. Pull over in a safe and legal manner before attempting such operations.

To promote safety, certain functions are disabled unless the parking brake is on.



To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.



To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.



When driving your vehicle, be sure to keep the volume of the unit low enough to allow you to hear sounds coming from the outside.



Do not drop it and avoid heavy impacts at anytime.



The driver should not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.

**WARNING:**

- Don't use a mobile phone when you are driving. You must stop at a safe place to use a mobile phone.
- Do not disassemble, assemble, or modify the AVN system. Such acts could result in accidents, fire, or electric shock.
- Using phone features while driving may distract drivers from paying attention to traffic conditions and result in traffic accidents. Use phone features only after the vehicle has been parked.
- Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction. Continued use in such conditions could lead to accidents (fires, electric shock) or product malfunctions.
- Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.
- Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- The video screen will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen.
- Some Non-video features may also not operate when the vehicle is in motion. These features will operate only when the vehicle has been parked.

**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:**

- Do not keep the AVN system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the AVN system, always keep the engine running.
- When the driver wants to operate AVN system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.
- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electrical shock.
- Some states/provinces may have laws limiting the use of video screens while driving. Use the system only where it is legal to do so.
- Do not use your phone in private mode when you are driving. You must stop at a safe location to use it.

# General Information

## About USB

- Take precautions regarding static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognised when connected as an external device.
- When connecting an external USB device, the device may not properly recognise the USB in some states.
- USB devices formatted as FAT16/32, exFAT or NTFS are supported.
- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector and bodily parts/foreign objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- The amount of time required to recognise the external USB device may differ depending on the type, size or file formats stored on the USB. Such differences in required time are not indications of malfunction.
- The device may not recognise the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the media terminal of the vehicle.
- When application programmes are installed to specific USB, files may not properly play.
- The device may not operate normally if MP3 Players, mobile phones, digital cameras or other electronic devices (USB devices not recognised as portable disk drives) are connected with the device.
- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type other than Metal Cover Type USB Memory.
- The device may not support normal operation when using formats such as HDD Type, CF or SD Memory.
- The device will not support files locked by DRM (Digital Rights Management).
- USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognised.

## Music file Information

- Sampling frequency: 8 ~ 48 KHz (MP3), 22.5 ~ 48 KHz (WMA), 8 ~ 48 KHz (FLAC), 8 ~ 48 KHz (OGG), 8 ~ 48 KHz (WAV)
- Bit rate: 8 ~ 320 Kbps (MP3), 20 ~ 128 Kbps (WMA), 8 Kbps ~ 4 Mbps (FLAC), 8 ~ 500 Kbps (OGG), 8bit/16bit (WAV)
- WMA version: v2, v7, v8, v9
- PCM version: LPCM (A-law/u-law)
- MP3 version: MPEG 2/2.5 Layer 3
- Playable file format: ".mp3"/ ".wma"/ ".flac", ".ogg", ".wav"

## Video file Information

- Video Resolution: 1280 x 720 pixel 30fps (MPEG-1), 704 x 576(4CIF) 25fps (H.263), 1280 x 720 30fps (H.264), 1280 x 720 pixels (other)
- Playable file format: ".avi", ".mpg", ".mpeg", ".mp4", ".mkv"
- Subtitle format: ".sml", ".srt"
- Video Codec: "MPEG-1", "MPEG-2 simple profile – main level", "MPEG-2 main profile – low,main,high level", "VC-1", "H.263 profile 0, profile 3", "Xvid", "H.264/AVC baseline profile – L1, high – L4.1"
- Audio Codec: "MP3", "WMA", "AAC"
- If video and caption file names are different, caption may not be displayed.

## Supported iPhone devices

- iPhone 12, iPhone 12 Pro, iPhone 12 Pro Max, iPhone 12 mini
- iPhone 11, iPhone 11 Pro, iPhone 11 Pro Max
- iPhone XR, iPhone XS, iPhone XS Max
- iPhone X
- iPhone SE
- iPhone 8, iPhone 8 Plus
- iPhone 7, iPhone 7 Plus
- iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus

# Before thinking there is a product defect

1. Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.
2. If you are having problems with the device, try the suggestions listed below.
3. If the problems persist, contact your authorised Kia dealer.

**Problem: There are small red, blue, or green dots on the screen.**

Possible Cause: Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels.

**Problem: The sound or image is not working.**

Possible Cause:

- Has the Switch for the vehicle been turned to [ACC] or [ON]?
- Has the SYSTEM been turned OFF?

**Problem: The screen is being displayed but sound is not working.**

Possible Cause:

- Has the volume been set to a low level?
- Has the volume been muted?

**Problem: When the power is turned on, the corners of the screen are dark.**

Possible Cause:

- The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction.
- If the screen is very dark, contact your nearest dealer for assistance.

**Problem: Sound is working from only one speaker.**

Possible Cause: Are the positions of Fader or Balance sound controls adjusted to only one side?

**Problem: When turning power on, the most recent mode screen is not displayed.**

Possible Cause:

- Within modes that play files by reading external sources, such as discs, USB, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load.
- If there is no disc or the corresponding device is not connected, the mode operated prior to the most recent mode will operate.
- If the previous mode still cannot be properly played, the mode operated prior to that will operate.

# Troubleshooting

## Problem: The power does not turn on.

- Possible Cause: The fuse is disconnected.
  - Countermeasure:
    - Replace with a suitable fuse.
    - If the fuse is disconnected again, please contact your dealer.
- 
- Possible Cause : Device is not properly connected.
  - Countermeasure: Check to see that the device has been properly connected.

## Problem: The system does not play.

- Possible Cause: The vehicle battery is low.
- Countermeasure: Charge the battery if the problem persists, contact your point of purchase or service center.

## Problem: Sound does not work.

- Possible Cause: The volume level is set to the lowest level.
  - Countermeasure: Adjust the volume level.
- 
- Possible Cause: The connection is not proper.
  - Countermeasure: Check to see that the device has been properly connected.
- 
- Possible Cause: The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.
  - Countermeasure: The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.

## Problem: The image colour/tone quality is low.

- Possible Cause : The brightness, saturation, and contrast levels are not set properly.
- Countermeasure: Properly adjust the brightness, saturation, and contrast levels through Display Setup.

## Problem: The USB does not work.

- Possible Cause: USB memory is damaged.
  - Countermeasure: Please use after formatting the USB into FAT16/32, exFAT or NTFS format.
- 
- Possible Cause: USB memory has been contaminated.
  - Countermeasure: Remove any foreign substances on the contact surface of the USB memory and media terminal.
- 
- Possible Cause: A separately purchased USB HUB is being used.
  - Countermeasure: Directly connect the USB memory with the media terminal on the vehicle.

|                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Possible Cause: A USB extension cable is being used.</li> <li>• Countermeasure: Directly connect the USB memory with the media terminal on the vehicle.</li> </ul>                                                 |
| <ul style="list-style-type: none"> <li>• Possible Cause: A USB which is not a Metal Cover Type USB Memory is being used.</li> <li>• Countermeasure: Use standard USB Memory.</li> </ul>                                                                     |
| <ul style="list-style-type: none"> <li>• Possible Cause: An HDD type, CF, SD Memory is being used.</li> <li>• Countermeasure: Use standard USB Memory.</li> </ul>                                                                                           |
| <ul style="list-style-type: none"> <li>• Possible Cause: There are no music files which can be played.</li> <li>• Countermeasure: Only MP3, WMA, OGG, FLAC and WAV file formats are supported. Please use only the supported music file formats.</li> </ul> |

# Trademarks and Licenses

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- The Bluetooth® Wireless Technology word mark and logos are registered trademarks owned by Bluetooth Wireless Technology SIG, Inc.
- A Bluetooth® Wireless Technology enabled cell phone is required to use Bluetooth® Wireless Technology.



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

# Specification

## AVN product specification

|           |                                   |                                        |
|-----------|-----------------------------------|----------------------------------------|
| Common    | Operating Temper                  | -20 °C ~ +65 °C                        |
|           | Storage Temperature               | -30 °C ~ +75 °C                        |
| Bluetooth | Supported Profile                 | HFP 1.6, A2DP 1.2, AVRCP 1.5, PBAP 1.1 |
|           | Supported Bluetooth Specification | 3.0                                    |
|           | Frequency Range                   | 2402 MHz ~ 2480 MHz                    |
|           | Number of Channels                | 79                                     |
| Radio     | AM                                |                                        |
|           | Tuning Range                      | 531 kHz~1602 kHz                       |
|           | Sensitivity                       | 35 dBuV                                |
|           | Signal-to-noise ratio             | Minimum 45 dB                          |
|           | FM                                |                                        |
|           | Tuning Range                      | 87.5 MHz~108.0 MHz                     |
|           | Sensitivity                       | 12 dBuV                                |
|           | Frequency response                | 30 Hz ~ 10000 Hz                       |
|           | Signal-to-noise ratio             | Minimum 45 dB                          |

- Designs and specifications are subject to change without prior notice.

## 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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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.

