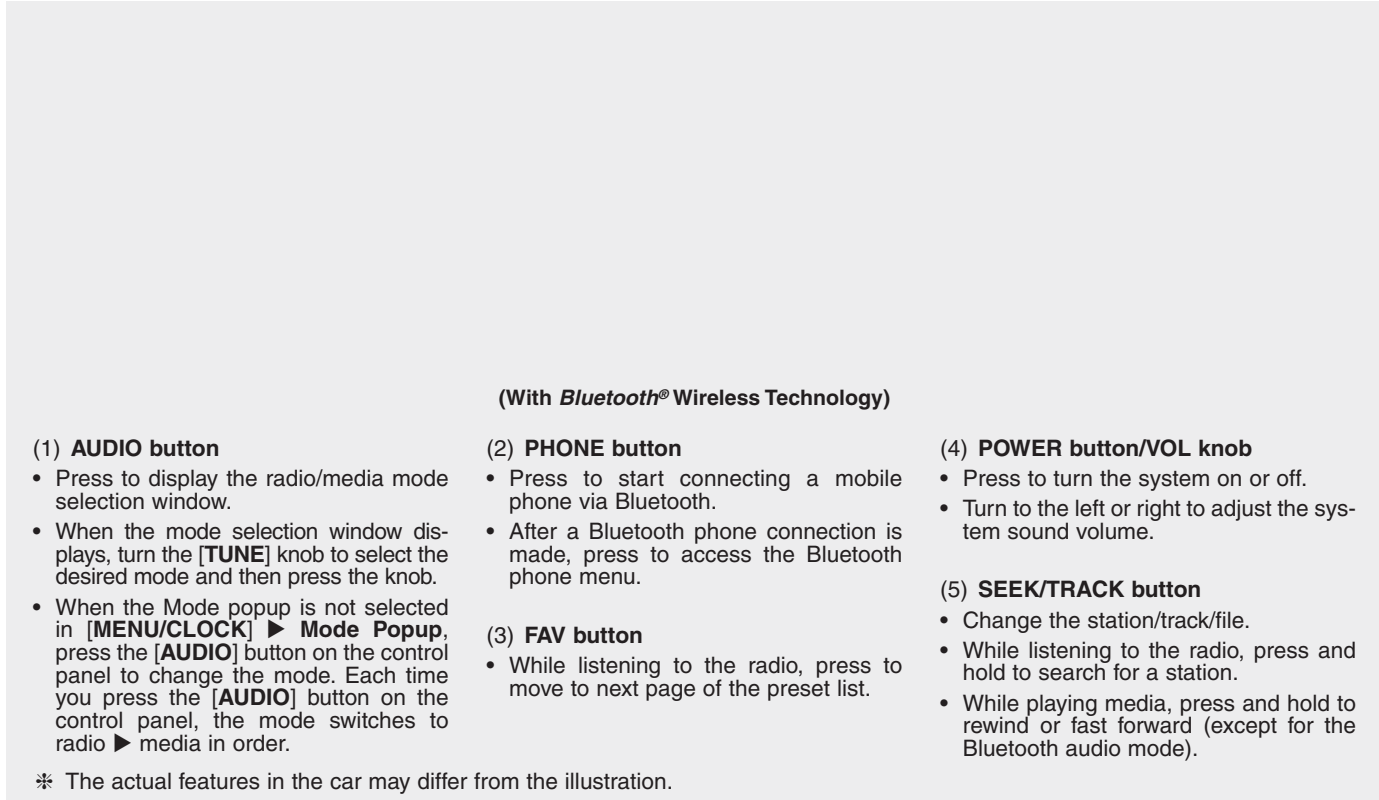


Digital Car Audio System (ACB10H7MG, ACB10H7GG, ACB10H7GN)

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AUDIO (Without Touch Screen)

System layout – control panel



(With *Bluetooth*® Wireless Technology)

(1) AUDIO button

- Press to display the radio/media mode selection window.
- When the mode selection window displays, turn the [TUNE] knob to select the desired mode and then press the knob.
- When the Mode popup is not selected in [MENU/CLOCK] ► **Mode Popup**, press the [AUDIO] button on the control panel to change the mode. Each time you press the [AUDIO] button on the control panel, the mode switches to radio ► media in order.

※ The actual features in the car may differ from the illustration.

(2) PHONE button

- Press to start connecting a mobile phone via Bluetooth.
- After a Bluetooth phone connection is made, press to access the Bluetooth phone menu.

(3) FAV button

- While listening to the radio, press to move to next page of the preset list.

(4) POWER button/VOL knob

- Press to turn the system on or off.
- Turn to the left or right to adjust the system sound volume.

(5) SEEK/TRACK button

- Change the station/track/file.
- While listening to the radio, press and hold to search for a station.
- While playing media, press and hold to rewind or fast forward (except for the Bluetooth audio mode).

(With *Bluetooth*® Wireless Technology)

(6) **MENU button/CLOCK button**

- Press to access the menu screen for the current mode.
- Press and hold to access the time setup screen.

(7) **TUNE knob/FILE knob/ENTER button**

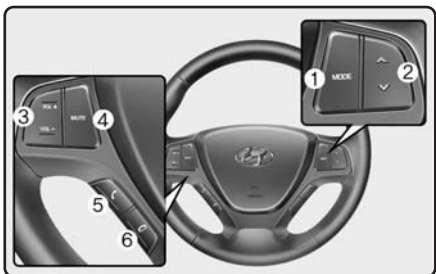
- While listening to the radio, turn to adjust the frequency.
- While playing media, turn to search for a track/file (except for the Bluetooth audio mode).
- During a search, press to select the current track/file.

(8) **Number buttons (1 RPT~ 4 BACK)**

- While listening to the radio, press to listen to a saved radio station.
- While listening to the radio, press and hold to save the current radio station to the preset.
- In the USB/Bluetooth audio modes, press the [**1 RPT**] button to change the repeat play mode. Press the [**2 SHFL**] button to change the shuffle play mode.
- Press the [**4 BACK**] button to return to the previous screen (except for the radio preset list).

※ The actual features in the car may differ from the illustration.

System layout – steering wheel remote control



(Bluetooth® equipped model)

※ The actual features in the car may differ from the illustration.

(1) **MODE button**

- Press to switch between radio and media modes.
- Press and hold to turn the system on or off.

(2) **Up/Down seesaw button**

- Change the station/track/file.
- While listening to the radio, push to listen to the previous/next saved radio station.
- While listening to the radio, push and hold to search for a station.
- While playing media, push and hold to rewind or fast forward (except for the Bluetooth audio mode).

(3) **Volume button**

- Push up or down to adjust the volume.

(4) **MUTE button**

- Press to mute or unmute the system.
- During a call, press to mute or unmute the microphone.
- While playing media, press to pause or resume playback.

(5) **Call/Answer button**

- Press to start connecting a mobile phone via Bluetooth.
- After a Bluetooth phone connection is made, press to access your call history. Press and hold to dial the most recent phone number. When a call comes in, press to answer the call.
- During a call, press to switch between the active call and the held call. Press and hold to switch the call between the system and the mobile phone.

(6) **Call end button**

⚠ WARNING
- About driving

- Do not operate the system while driving. Driving while distracted may result in a loss of vehicle control, potentially leading to an accident, severe personal injury, or death. The driver's primary responsibility is the safe and legal operation of a vehicle, and any handheld devices, equipment, or vehicle systems which divert the driver's attention from this responsibility should never be used during operation of the vehicle.

- Avoid watching the screen while driving. Driving while distracted may lead to a traffic accident. Stop your vehicle in a safe location before using functions that require multiple operations.
- Stop your vehicle first before using your mobile phone. Using a mobile phone while driving may lead to a traffic accident. If necessary, use the Bluetooth Handsfree feature to make calls and keep the call as short as possible.
- Keep the volume low enough to hear external sounds. Driving without the ability to hear external sounds may lead to a traffic accident. Listening to a loud volume for a long time may cause hearing damage.

⚠ WARNING
- About handling the system

- Do not disassemble or modify the system. Doing so may result in an accident, fire, or electric shock.
- Do not allow liquids or foreign substances to enter the system. Liquids or foreign substances may cause noxious fumes, a fire, or a system malfunction.
- Stop using the system if it malfunctions, such as no audio output or display. If you continue using the system when it is malfunctioning, it may lead to a fire, electric shock, or system failure.
- Do not touch the antenna during thunder or lightning because such an act may cause electric shock.

i Information

- About operating the system

- Use the system with the engine running. Using the system for a long time when the engine is stopped may discharge the battery.
- Do not install unapproved products. Using unapproved products may cause an error while using the system. System errors caused by installing unapproved products are not covered under the warranty.

i Information

- About handling the system

- Do not apply excessive force to the system. Excessive pressure on the screen may damage the LCD panel or the touch panel.
- When cleaning the screen or button panel, make sure to stop the engine and use a soft, dry cloth. Wiping the screen or buttons with a rough cloth or using solvents (alcohol, benzene, paint thinner, etc.) may scratch or chemically damage the surface.
- If you attach a liquid-type air freshener to the fan louvre, the surface of the louvre may become deformed due to the flowing air.
- If you want to change the position of the installed device, please inquire with your place of purchase or service maintenance Center. Technical expertise is required to install or disassemble the device.

NOTICE

- If you experience any problems with the system, contact your place of purchase or dealer.
- Placing the audio system within an electromagnetic environment may result in noise interference.

Turning the system on or off

To turn on the system, start the engine.

- If you do not want to use the system while driving, you can turn off the system by pressing the [POWER] button on the control panel. To use the system again, press the [POWER] button again.

The system turns off when you stop the engine (ACC Off).

- When you turn back on the system, the previous mode and settings will remain intact.

WARNING

- **Some functions may be disabled for safety reasons while the vehicle is moving. They work only when the vehicle stops. Park your vehicle in a safe location before using any of them.**
- **Stop using the system if it malfunctions, such as no audio output or display. If you continue using the system when it is malfunctioning, it may lead to a fire, electric shock, or system failure.**

Information

You can turn on the system when the key ignition switch is placed in the “ACC” or “ON” position. Using the system for an extended period without the engine running drains the battery. If you plan on using the system for a long time, start the engine.

Turning the display on or off

To prevent glare, you can turn off the screen. The screen can be turned off only while the system is on.

1. On the control panel, press the [MENU/CLOCK] button.
 2. When the option selection window displays, turn the [TUNE] knob to select **Display off**, and then press the knob.
- To turn the screen back on, press any of the control panel buttons.

Getting to know the basic operations

You can select an item or adjust the settings by using the number buttons and the [TUNE] knob on the control panel.

Selecting an item

Numbered items

Press the corresponding number button.



Numberless items

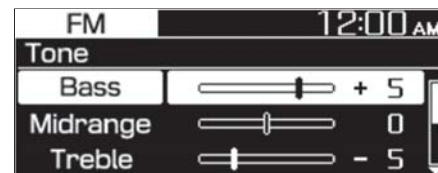
Turn the [TUNE] knob to select the desired item, and then press the knob.



Adjusting the settings

Turn the [TUNE] knob to adjust the value, and then press the knob to save changes.

Turn the [TUNE] knob to the right to increase the value and turn the [TUNE] knob to the left to decrease the value.

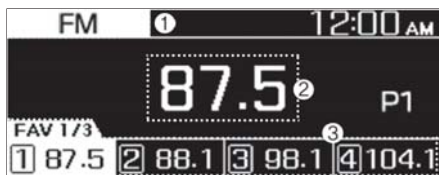


RADIO

Turning on the radio

1. On the control panel, press the [AUDIO] button.
2. When the mode selection window displays, turn the [TUNE] knob to select the desired radio mode and then press the knob.

FM/AM Mode



- (1) Current radio mode
 (2) Radio station information
 (3) Preset list

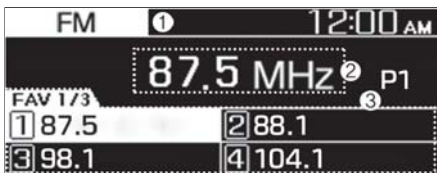
Press the [MENU/CLOCK] button on the control panel to access the following menu options:

- **Autostore:** Save radio stations to the preset list.
- **Scan:** The system searches for radio stations with strong radio signals and plays each radio station for about five seconds.
- **Sound Settings:** You can change the settings related to sounds, such as location where sound will be concentrated and the output level for each range.
 - **Balance:** Select a location where sound will be concentrated in the vehicle. Select **Balance**, turn the [TUNE] knob to select the desired position, and then press the knob. To set sound to be centered in the vehicle, select **Center**.
 - **Tone:** Adjust the output level for each sound tone mode.
 - **Speed Dependent Vol.:** Set the volume to be adjusted automatically according to your driving speed.
- **Mode Popup:** Set to display mode selection window when the [AUDIO] button is pressed on the control panel.
- **Date/Time:** You can change the date and time that are shown on the system display.
 - **Set Date:** Set date to display on the system display.
 - **Set Time:** Set time to display on the system display.
 - **Time Format:** Select to display time in the 12 hour format or the 24 hour format.
 - **Display (Power Off):** Set to display the clock when the system power is off.
- **Language:** You can change the display language.

NOTICE

- **Depending on vehicle models or specifications, available options may vary.**
- **Depending on the system or amplifier specifications applied to your vehicle, available options may vary.**

FM/AM Mode (With RDS)



- (1) Current radio mode
- (2) Radio station information
- (3) Preset list

Press the [MENU/CLOCK] button on the control panel to access the following menu options:

- **Traffic announcement:** Activate or deactivate traffic announcements. Announcements and programmes will be received automatically if available.
- **Autostore:** Save radio stations to the preset list.
- **Scan:** The system searches for radio stations with strong radio signals and plays each option for about five seconds.

- **Sound Settings:** You can change the settings related to sounds, such as location where sound will be concentrated and the output level for each range.

- **Balance:** Select a location where sound will be concentrated in the vehicle. Select **Balance**, turn the [TUNE] knob to select the desired position, and then press the knob. To set sound to be centered in the vehicle, select **Center**.
- **Tone:** Adjust the output level for each sound tone mode.
- **Speed Dependent Vol.:** Set the volume to be adjusted automatically according to your driving speed.

NOTICE

- **Depending on vehicle models or specifications, available options may vary.**
- **Depending on the system or amplifier specifications applied to your vehicle, available options may vary.**

- **Mode Popup:** Set to display mode selection window when the [RADIO] / [AUDIO] button is pressed on the control panel.

- **Date/Time:** You can change the date and time that are shown on the system display.

- **Set Date:** Set date to display on the system display.

- **Set Time:** Set time to display on the system display.

- **Time Format:** Select to display time in the 12 hour format or the 24 hour format.

- **Display (Power Off):** Set to display the clock when the system power is off.

- **Language:** You can change the display language.

Changing the radio mode

1. On the control panel, press the [AUDIO] button.
2. When the mode selection window displays, turn the [TUNE] knob to select the desired radio mode and then press the knob.
 - Each time you press the [MODE] button on the steering wheel, the radio mode switches to FM ► AM in order.

NOTICE

- **When the Mode popup is not selected in [MENU/CLOCK] ► Mode Popup, press the [AUDIO] button on the control panel to change the radio mode.**
Each time you press the [AUDIO] button on the control panel, the radio mode switches to FM ► AM in order.

Scanning for available radio stations

You can listen to each radio station for a few seconds to test the reception and select the one you want.

1. From the radio screen, press the [MENU/CLOCK] button on the control panel.
2. When the option selection window displays, turn the [TUNE] knob to select **Scan**, and then press the knob.
 - The system searches for radio stations with strong radio signals and plays each radio station for about five seconds.
3. When you find the radio station you want to listen to, press the [TUNE] knob.
 - You can continue listening to the selected station.

Searching for radio stations

To search for the previous or next available radio station, press the [∧ SEEK] button / [TRACK ∨] button on the control panel.

- You can also press and hold the [∧ SEEK] button / [TRACK ∨] button to search for frequencies quickly. When you release the button, a radio station with a strong signal is selected automatically.

If you know the exact frequency of the radio station you want to listen to, turn the [TUNE] knob on the control panel to change the frequency.

Saving radio stations

You can save your favourite radio stations and listen to them by selecting them from the preset list.

Saving the current radio station

While listening to the radio, press and hold the desired number button on the control panel.

- The radio station you are listening to will be added to the selected number.
- To save the next page of the preset list, press the **[FAV]** button.

NOTICE

- **You can save up to 12 radio stations in each mode.**
- **If a station is already saved to the selected preset number, the station will be replaced by the station you are listening to.**

Using the auto save function

You can search for radio stations in your area where there is a strong signal. The results of your search can be saved to the preset list automatically.

1. From the radio screen, press the **[MENU/CLOCK]** button on the control panel.
2. When the option selection window displays, turn the **[TUNE]** knob to select **Autostore**, and then press the knob.

Listening to saved radio stations

FM/AM Mode

1. Confirm the preset number for the radio station you want to listen to.
 - To view the next page of the preset list, press the **[FAV]** button.
2. On the control panel, press the desired number button.
 - Alternatively, push the Up/Down Seesaw Button on the steering wheel to change the station.

MEDIA PLAYER

Using the media player

You can play music stored in various media storage devices, such as USB storage devices, smartphones.

1. Connect a device to the USB port in your vehicle.
 - Playback may start immediately depending on the device that you connect to the system.
2. On the control panel, press the [AUDIO] button.
3. When the mode selection window displays, turn the [TUNE] knob to select the desired mode and then press the knob.

NOTICE

- **To start the media player, press the [AUDIO] button on the control panel.**
- **You can also change the mode by press the [MODE] button repeatedly on the steering wheel.**
- **Make sure to connect or disconnect external USB devices with the system power turned off.**
- **When the Mode popup is not selected in [MENU/CLOCK] ► Mode Popup, press the [AUDIO] button on the control panel to change the media player.**

Each time you press the [AUDIO] button on the control panel, the media mode switches to USB ► Bluetooth audio in order.

- Depending on vehicle models and specifications, available buttons or the appearance and layout of the USB port in your vehicle may vary.
- Do not connect a smartphone or an MP3 device to the system via multiple methods such as USB and Bluetooth simultaneously. Doing so may cause a distorted noise or a system malfunction.
- When the equaliser function of the connected device and Equaliser settings of the system are both activated, the effects may interfere with each other and may lead to sound degradation or distortion. Deactivate the device's equaliser function if possible.

Using the USB mode

You can play media files stored in portable devices, such as USB storage devices and MP3 players. Check compatible USB storage devices and file specifications before using the USB mode.

Connect your USB device to the USB port in the vehicle.

- Playback starts immediately.
- Press the [AUDIO] button on the control panel to display the mode selection window, turn the [TUNE] knob to select **USB** and then press the knob.



- (1) Current file number and total number of files
- (2) Playback time
- (3) Information about the song currently playing

Press the [MENU/CLOCK] button on the control panel to access the following menu options:

- **List:** Access the file list.
- **Folder List:** Access the folder list.
- **Information:** Display information about the song currently playing.
- **Sound Settings:** You can change the settings related to sounds, such as location where sound will be concentrated and the output level for each range.
 - **Balance:** Select a location where sound will be concentrated in the vehicle. Select **Balance**, turn the [TUNE] knob to select the desired position, and then press the knob. To set sound to be centered in the vehicle, select **Center**.
 - **Tone:** Adjust the output level for each sound tone mode.
 - **Speed Dependent Vol.:** Set the volume to be adjusted automatically according to your driving speed.

NOTICE

- **Depending on vehicle models or specifications, available options may vary.**
- **Depending on the system or amplifier specifications applied to your vehicle, available options may vary.**
- **Media Display:** Select information such as **Folder/File** or **Artist/Title/Album** to display when playing MP3 files.
- **Mode Popup:** Set to display mode selection window when the [AUDIO] button is pressed on the control panel.
- **Date/Time:** You can change the date and time that are shown on the system display.

- **Set Date:** Set date to display on the system display.
- **Set Time:** Set time to display on the system display.
- **Time Format:** Select to display time in the 12 hour format or the 24 hour format.
- **Display (Power Off):** Set to display the clock when the system power is off.
- **Language:** You can change the display language.

Rewinding/Fast forwarding

On the control panel, press and hold the [^ SEEK] button / [TRACK v] button.

- You can also push and hold the Up/down Seesaw button on the steering wheel.

Restarting the current playback

On the control panel, press the [TRACK v] button.

- You can also push the Down lever on the steering wheel.

Playing the previous or next song

To play the previous song, press the [TRACK v] button twice on the control panel. To play the next song, press the [^ SEEK] button on the control panel.

- You can also use the Up/down Seesaw button on the steering wheel.

NOTICE

Press the [MENU] button on the control panel to display the mode selection window, turn the [TUNE] knob to find the desired song and press the knob to play the file.

Playing repeatedly

On the control panel, press the [1 RPT] button. The repeat play mode changes each time you press it. The corresponding mode icon will be displayed on the screen.

Playing in random order

On the control panel, press the [2 SHFL] button. The shuffle play mode is activated or deactivated each time you press it. When you activate the shuffle mode, the corresponding mode icon will be displayed on the screen.

NOTICE

Depending on the connected Bluetooth device or mobile phone, RPT & SHFL features may not be supported.

Searching folders

1. On the control panel, press the [MENU/CLOCK] button.
2. When the option selection window displays, turn the [TUNE] knob to select the **Folder List** and then press the knob.
3. Navigate to the desired folder in the **Folder List** and then press the [TUNE] knob.
 - The first song in the selected folder will be played.

i Information

- Start the engine of your vehicle before connecting a USB device to your system. Starting the engine with a USB device connected to the system may damage the USB device.
- Be careful of static electricity when connecting or disconnecting a USB device. A static discharge may cause a system malfunction.
- Be careful not to let your body or external objects contact the USB port. Doing so may cause an accident or a system malfunction.
- Do not connect and disconnect a USB connector repeatedly in a short time. Doing so may cause an error in the device or a system malfunction.
- Do not use a USB device for purposes other than playing files. Using USB accessories for charging or heating may cause poor performance or a system malfunction.

NOTICE

- When connecting a USB storage device, do not use an extension cable. Connect it directly to the USB port. If you use a USB hub or an extension cable, the device may not be recognized.
- Fully insert a USB connector into the USB port. Failure to do so may cause a communication error.
- When you disconnect a USB storage device, a distorted noise may occur.
- The system can play only files encoded in a standard format.
- The following types of USB devices may not be recognised or work correctly:
 - Encrypted MP3 players
 - USB devices not recognised as removable disks
- A USB device may not be recognised depending on its condition.
- Some USB devices may be incompatible with your system.
- Depending on the USB device's type, capacity, or the format of files, USB recognition time may be longer.
- Image and video playback are not supported.

BLUETOOTH

Connecting Bluetooth devices

Bluetooth is a short-range wireless networking technology. Via Bluetooth, you can connect nearby mobile devices wirelessly to send and receive data between connected devices. This enables you to use your devices effectively.

To use Bluetooth, you must first connect a Bluetooth-enabled device to your system, such as a mobile phone or an MP3 player. Ensure that the device you want to connect supports Bluetooth.

WARNING

Park your vehicle in a safe location before connecting Bluetooth devices. Distracted driving can cause a traffic accident and lead to personal injury or death.

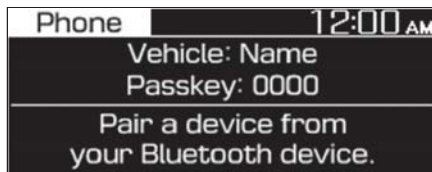
NOTICE

- **On your system, you can use only Bluetooth Handsfree and Audio features. Connect a mobile device that supports both features.**
- **Some Bluetooth devices may cause malfunctions to the audio system or make interference noises. In this case, storing the device in a different location may resolve the problem.**
- **Depending on the connected Bluetooth device or mobile phone, some functions may not be supported.**
- **If the system is not stable due to a vehicle-Bluetooth device communication error, delete the paired devices and connect the Bluetooth devices again.**
- **If Bluetooth connection is not stable, follow these steps to try again.**
 1. **Deactivate Bluetooth and reactivate it on the device. Then, reconnect the device.**
 2. **Turn the device off and on. Then, reconnect it.**
 3. **Remove the battery from the device and reinstall it. Then, turn the device on and reconnect it.**
 4. **Unregister the Bluetooth pairing on both the system and the device and then re-register and connect them.**
- **The Bluetooth connection is unavailable when the device's Bluetooth function is turned off. Be sure to turn on the device's Bluetooth function.**

Pairing devices with your system

For Bluetooth connections, first pair your device with your system to add it to the system's list of Bluetooth devices. You can register up to five devices.

1. From the control panel, press the **[PHONE]** button, and then select **Phone Settings ► Add New Device**.
 - If you are pairing a device with your system for the first time or there is no connected devices, you can also press the Call/Answer button on the steering wheel.
2. On the Bluetooth device you want to connect, activate Bluetooth, search for your vehicle's system, and then select it.
 - Check the system's Bluetooth name, which is displayed in the new registration pop-up window on the system screen.



3. Enter or confirm the passkey to confirm the connection.
 - If the passkey input screen is displayed on the Bluetooth device screen, enter the passkey '0000' which is displayed on the system screen.
 - If the 6-digit passkey is displayed on the Bluetooth device screen, ensure that the Bluetooth passkey displayed on the Bluetooth device is the same as the passkey on the system screen and confirm the connection from the device.

NOTICE

- **The screen image in this manual is an example. Check your system screen for the exact vehicle name and Bluetooth device name.**

- The default passkey is '0000'.
- It may take a while for the system to connect with the device after you permit the system to access the device. When a connection is made, the Bluetooth status icon appears at the top of the screen.
- You can change the permission settings via the mobile phone's Bluetooth settings menu. For more information, refer to your mobile phone's user guide.
- To register a new device, repeat steps 1 to 3.
- If you use the automatic Bluetooth connection function, a call may be switched to the vehicle's Handsfree when you are taking on the phone near the vehicle while the vehicle's engine is on. If you do not want the system to connect with the device automatically, deactivate Bluetooth on your device.
- When a device is connected to the system via Bluetooth, the device's battery may discharge faster.

Connecting a paired device

To use a Bluetooth device on your system, connect the paired device to the system. Your system can connect with only one device at a time.

1. From the control panel, press the [PHONE] button, and then select **Phone Settings ► Paired devices**.
 - If there is no connected device, press the Call/Answer button on the steering wheel.
2. Turn the [TUNE] knob to select the device to connect, and then press the knob.
 - If another device is already connected to your system, disconnect it. Select the connected device to disconnect.

NOTICE

- **If a connection ends because a device is out of the connection range or a device error occurs, the connection will be restored automatically when the device enters the connection range or when the error is cleared.**
- **Depending on auto connection priority, connection to a device may take time.**

Disconnecting a device

If you want to stop using a Bluetooth device or connect another device, disconnect your currently connected device.

1. From the control panel, press the [PHONE] button, and then select **Phone Settings ► Paired devices**.
2. Turn the [TUNE] knob to select your currently connected device and then press the knob.
3. Press the [1 RPT] button to select **Yes**.

Deleting paired devices

If you no longer want a Bluetooth device paired or if you want to connect a new device when the Bluetooth device list is full, delete paired devices.

1. From the control panel, press the [PHONE] button, and then select **Phone Settings ► Delete devices**.
2. Turn the [TUNE] knob to select the device to delete, and then press the knob.
3. Press the [1 RPT] button to select **Yes**.

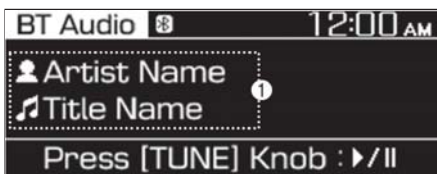
NOTICE

- **When you delete a paired device, the Call history and Contacts stored in the system are also deleted.**
- **To re-use a deleted device, you must pair the device again.**

Using a Bluetooth audio device

You can listen to music stored in the connected Bluetooth audio device via your vehicle's speakers.

1. On the control panel, press the [AUDIO] button.
2. When the mode selection window displays, turn the [TUNE] knob to select **Bluetooth audio** and then press the knob.



- (1) Information about the song currently playing

1. Press the [MENU/CLOCK] button on the control panel to access the following a menu option.
2. Turn the [TUNE] knob to select option and then press the knob.

- **Sound Settings:** You can change the settings related to sounds, such as location where sound will be concentrated and the output level for each range.
 - **Balance:** Select a location where sound will be concentrated in the vehicle. Select **Balance**, turn the [TUNE] knob to select the desired position, and then press the knob. To set sound to be centered in the vehicle, select **Center**.
 - **Tone:** Adjust the output level for each sound tone mode.
 - **Speed Dependent Vol.:** Set the volume to be adjusted automatically according to your driving speed.
- **Mode Popup:** Set to display mode selection window when the [AUDIO] button is pressed on the control panel.
- **Date/Time:** You can change the date and time that are shown on the system display.
 - **Set Date:** Set date to display on the system display.
 - **Set Time:** Set time to display on the system display.
 - **Time Format:** Select to display time in the 12 hour format or the 24 hour format.
 - **Display (Power Off):** Set to display the clock when the system power is off.
- **Language:** You can change the display language.

NOTICE

- **Depending on vehicle models or specifications, available options may vary.**
- **Depending on the system or amplifier specifications applied to your vehicle, available options may vary.**

Pausing/Resuming playback

To pause playback, press the [TUNE] knob on the control panel. To resume playback, press the [TUNE] knob again.

- You can also press the Mute button on the steering wheel remote control.

Restarting the current playback

On the control panel, press the [TRACK √] button.

- You can also push the down button on the steering wheel.

Playing the previous or next song

To play the previous song, press the [TRACK √] button twice on the control panel. To play the next song, press the [∧ SEEK] button on the control panel.

- You can also use the Up/Down Seesaw button on the steering wheel.

NOTICE

Depending on the connected Bluetooth device or mobile phone, playing the previous/next song may not be supported.

Playing repeatedly

On the control panel, press the [1 RPT] button. The repeat play mode changes each time you press it. The corresponding mode icon will be displayed on the screen.

Playing in random order

On the control panel, press the [2 SHFL] button. The shuffle play mode is activated or deactivated each time you press it. When you activate the shuffle mode, the corresponding mode icon will be displayed on the screen.

NOTICE

Depending on the connected Bluetooth device or mobile phone, RPT & SHFL features may not be supported.

NOTICE

- Depending on the connected Bluetooth device, mobile phone, or the music player you are using, playback controls may differ.
 - Depending on the music player you are using, streaming may not be supported.
 - Depending on the connected Bluetooth device or mobile phone, some functions may not be supported.
 - If a Bluetooth enabled phone is being used to play music and it receives or makes a phone call, the music will stop.
 - Receiving an incoming call or making an outgoing call while playing Bluetooth audio may result in audio interference.
 - If you use the Bluetooth phone mode while using Bluetooth audio, playback may not automatically resume after you end the call depending on the connected mobile phone.
- Moving the track up/down while playing Bluetooth audio mode may result in pop noises with some mobile phones.
 - The Rewinding/Fast forwarding function is not supported in the Bluetooth audio mode.
 - The playlist feature is not supported in the Bluetooth audio mode.
 - If the Bluetooth device is disconnected, Bluetooth audio mode will end.

Using a Bluetooth phone

You can use Bluetooth to talk on the phone hands free. View call information on the system screen, and make or receive calls safely and conveniently via the vehicle's built-in microphone and speakers.

WARNING

- Park your vehicle in a safe location before connecting Bluetooth devices. Distracted driving can cause a traffic accident and lead to personal injury or death.
- Never dial a phone number or pick up your mobile phone while driving. Use of a mobile phone may distract your attention, making it difficult to recognize external conditions and reducing the ability to cope with unexpected situations, which may lead to an accident. If necessary, use the Bluetooth Handsfree feature to make calls and keep the call as short as possible

NOTICE

- You cannot access the Phone screen if there is no connected mobile phone. To use the Bluetooth phone function, connect a mobile phone to the system.
- The Bluetooth Handsfree function may not work when you are passing out of the cellular service coverage area, such as when you are in a tunnel, underground, or in a mountainous area.
- Call quality may be degraded in the following environments:
 - The reception of the mobile phone is poor
 - The inside of the vehicle is noisy
 - The mobile phone is placed near metallic objects, such as a beverage can.
- Depending on the connected mobile phone, the volume and sound quality of the Bluetooth Handsfree may vary.

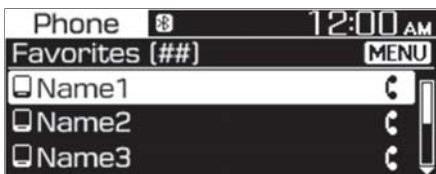
Making a call

If your mobile phone is connected to the system, you can make a call by selecting a name from your call history or contacts list.

1. On the control panel, press the [PHONE] button.
 - Alternatively, press the Call/Answer button on the steering wheel.
2. Select a phone number.
 - To select a phone number from your favorites list, select **Favorites**.
 - To select a phone number from your call history, select **Call History**.
 - To select a phone number from your contacts list that downloaded from the connected mobile phone, select **Contacts**.
3. To end the call, press the [2 SHFL] button on the control panel.
 - Alternatively, press the Call end button on the steering wheel.

Using the favorites list

1. From the Phone screen, turn the [TUNE] knob on the control panel to select **Favorites**, and then press the knob.
2. Turn the [TUNE] knob to select the desired contact, and then press the knob to make a phone call.



Press the [MENU/CLOCK] button on the control panel to access the following menu options:

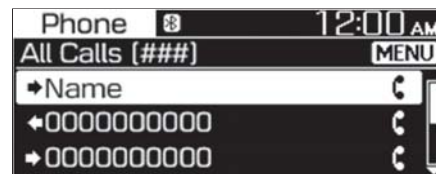
- **Add New Favorites:** Add a frequently used phone number to favorites.
- **Delete Items:** Delete a selected favourites item.
- **Delete All:** Delete all favorites items.

NOTICE

- **You can register up to 20 favorites for each device.**
- **You must first download the contacts to the system to register favorites.**
- **The favorites list saved on the mobile phone is not downloaded to the system.**
- **Even if the contact information on the mobile phone is edited, the favorites on the system are not automatically edited. Delete and add the item to favorites again.**
- **When you connect a new mobile phone, your favorites set for the previous mobile phone will not be displayed, but they will remain in your system until you delete the previous phone from the device list.**

Using your call history

1. From the Phone screen, turn the [TUNE] knob on the control panel to select **Call History**, and then press the knob.
2. Turn the [TUNE] knob to select the desired entry, and then press the knob to make a phone call.



Press the [MENU/CLOCK] button on the control panel to access the following menu options:

- **Download:** Download your call history.
- **All Calls:** View all call records.
- **Dialed Calls:** View only dialed calls.
- **Received Calls:** View only received calls.
- **Missed Calls:** View only missed calls.

NOTICE

- Some mobile phones may not support the download function.
- The call history is accessed only after downloading the call history when the mobile phone is connected to the system.
- Calls from restricted IDs are not saved on the call history list.
- Up to 50 call records will be downloaded per individual list.
- Call duration and time information will not be displayed on the system screen.
- Permission is required to download your call history from the mobile phone. When you attempt to download data, you may need to permit the download on the mobile phone. If the download fails, check the mobile phone screen for any notification or the mobile phone's permission setting.
- When you download your call history, any old data will be deleted.

Using the contacts list

1. From the Phone screen, turn the [TUNE] knob on the control panel to select **Contacts**, and then press the knob.
2. Turn the [TUNE] knob to select the desired group of alphanumeric characters, and then press the knob.
3. Turn the [TUNE] knob to select the desired contact, and then press the knob to make a phone call.



Press the [MENU/CLOCK] button on the control panel to access the following a menu option:

- **Download:** Download your mobile phone contacts.

NOTICE

- Contacts can be viewed only when the Bluetooth device is connected.
- Only contacts in the supported format can be downloaded and displayed from the Bluetooth device. Contacts from some applications will not be included.
- Up to 2,000 contacts can be downloaded from your device.
- Some mobile phones may not support the download function.
- Depending on the system's specifications, some of the downloaded contacts may be lost.
- Contacts stored both in the phone and in the SIM card are downloaded. With some mobile phones, contacts in the SIM card may not be downloaded.
- Special characters and figures used in the contact name may not be displayed properly.

- Permission is required to download contacts from the mobile phone. When you attempt to download data, you may need to permit the download on the mobile phone. If the download fails, check the mobile phone screen for any notification or the mobile phone's permission setting.
- Depending on the mobile phone type or status, downloading may take longer.
- When you download your contacts, any old data will be deleted.
- You cannot edit or delete your contacts on the system.
- When you connect a new mobile phone, your contacts downloaded from the previous mobile phone will not be displayed, but they will remain in your system until you delete the previous phone from the device list.

Answering calls

When a call comes in, a notification pop-up window of the incoming call appears on the system screen.



To answer the call, press the [1 RPT] button on the control panel.

- Alternatively, press the Call/Answer button on the steering wheel.

To reject the call, press the [2 SHFL] button on the control panel.

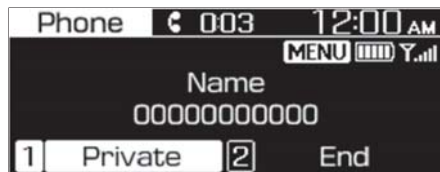
- Alternatively, press the Call end button on the steering wheel.

NOTICE

- Depending on the mobile phone type, call rejection may not be supported.
- Once your mobile phone is connected to the system, the call sound may be output through the vehicle's speakers even after you exit the vehicle if the phone is within the connection range. To end the connection, disconnect the device from the system or deactivate Bluetooth on the device.

Using options during a call

During a call, you will see the call screen shown below. Press a button to perform the function you want.



To switch the call to your mobile phone, press the [1 RPT] button on the control panel.

- Alternatively, press and hold the Call/Answer button on the steering wheel.

To end the call, press the [2 SHFL] button on the control panel.

- Alternatively, press the Call end button on the steering wheel.

Press the [MENU/CLOCK] button on the control panel to access the following a menu option:

- **Outgoing Volume:** Adjust the microphone volume or turn off the microphone so the other party cannot hear you.

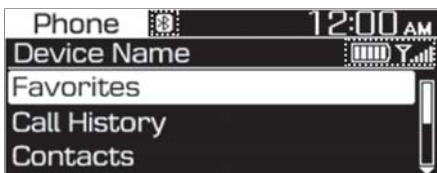
NOTICE

- If the caller information is saved in your contacts list, the caller's name and phone number will be displayed. If the caller information is not saved in your contacts list, only the caller's phone number will be displayed.
- You cannot switch to any other screen, such as the audio screen or the settings screen, during a Bluetooth call.
- Depending on the mobile phone type, call quality may vary. On some phones, your voice may be less audible to the other party.
- Depending on the mobile phone type, the phone number may not be displayed.
- Depending on the mobile phone type, the call switching function may not be supported.








SYSTEM STATUS ICONS

Status icons appear at the top of the screen to display the current system status.


Familiarise yourself with the status icons that appear when you perform certain actions or functions and their meanings.



Bluetooth

Icon	Description
	Battery level of connected Bluetooth device
	Mobile phone or audio device connected via Bluetooth
	Bluetooth call in progress
	Microphone turned off during Bluetooth call
	Downloading call history from a mobile phone connected via Bluetooth to the system
	Downloading contacts from a mobile phone connected via Bluetooth to the system
	Displayed when Bluetooth remote control is connected via smartphone applications

Signal strength

Icon	Description
	Signal strength of the mobile phone connected via Bluetooth

NOTICE

- The battery level displayed on the screen may differ from the battery level displayed on the connected device.
- The signal strength displayed on the screen may differ from the signal strength displayed on the connected mobile phone.
- Depending on vehicle models and specifications, some status icons may not be displayed.

AUDIO SYSTEM SPECIFICATIONS

USB

Supported audio formats

- Audio file specification
 - WAVeform audio format
 - MPEG1/2/2.5 Audio Layer3
 - Windows Media Audio Ver 7.X/8.X
- Bit rates
 - MPEG1 (Layer3): 32/40/48/56/64/80/96/112/128/160/192/224/256/320 kbps
 - MPEG2 (Layer3): 8/16/24/32/40/48/56/64/80/96/112/128/144/160 kbps
 - MPEG2.5 (Layer3): 8/16/24/32/40/48/56/64/80/96/112/128/144/160 kbps
 - WMA (High Range): 48/64/80/96/128/160/192 kbps

- Bits Per Sample
 - WAV (PCM(Stereo)): 24 bit
 - WAV (IMA ADPCM): 4 bit
 - WAV (MS ADPCM): 4 bit
- Sampling frequency
 - MPEG1: 44100/48000/32000 Hz
 - MPEG2: 22050/24000/16000 Hz
 - MPEG2.5: 11025/12000/8000 Hz
 - WMA: 32000/44100/48000 Hz
 - WAV: 44100/48000 Hz
- Maximum length of folder/file names (Based on Unicode): 40 English or Korean characters
- Supported characters for folder/file names (Unicode support): 2,604 Korean characters, 94 alphanumeric characters, 4,888 Chinese characters in common use, 986 special characters
- Maximum number of folders: 1,000
- Maximum number of files: 5,000

NOTICE

- Files that are not in a supported format may not be recognised or played, or information about them, such as the file name, may not be displayed properly.
- Only files with .mp3/.wma/.wav extensions can be recognised by the system. If the file is not in supported format, change the file format by using the latest encoding software.
- The device will not support files locked by DRM (Digital Rights Management).
- For MP3/WMA compression files and WAV file, differences in sound quality will occur depending on the bitrate. (Music files with a higher bitrate have a better sound quality.)
- Japanese or Simplified Chinese characters in folder or file names may not be displayed properly.

Supported USB storage devices

- Byte/Sector: 64 kbyte or less
- Format system: FAT12/16/32 (recommended), exFAT/NTFS

NOTICE

- **Operation is guaranteed only for a metal cover type USB storage device with a plug type connector.**
 - USB storage devices with a plastic plug may not be recognised.
 - USB storage devices in memory card types, such as CF card or SD cards, may not be recognised.
- USB hard disk drives may not be recognised.
- When you use a large capacity USB storage device with multiple logical drives, only files stored on the first drive will be recognised.
- If an application program is loaded on a USB storage device, the corresponding media files may not play.
- Use USB 2.0 devices for better compatibility.

Bluetooth

- Aerial power: Max 3 mW

TRADEMARKS

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DECLARATION OF CONFORMITY

FCC Information to User

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 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

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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.

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.