iPod®

iPod® is a registered trademark of Apple Inc.

Bluetooth® Wireless Technology

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by HYUNDAI is under license.

Other trademarks and trade names are those of their respective owners.

Audio system

AUDIO (Without Touch Screen)

■ Type A

■ Type B

(With *Bluetooth*® Wireless Technology)

B4N3G0000EG/B4N3G0001EG

Feature of Your Audio

Head Unit

■ Type A

■ Type B

❈ The actual features in the vehicle may differ from the illustration.

(1) MUTE

• Mute audio output.

(2) SETUP/CLOCK

When pressed quickly

• Moves to Setup screen.

When pressed and held

• Moves to the Time Settings.

(3) MENU

• Displays menus for the current mode.

(4) BACK

• Moves to previous screen.

(5) FOLDER

• Media(USB) mode: Searches folders.

(6) SEEK/TRACK

When pressed quickly

• Radio mode: Searches broadcast frequencies.

• Media mode: Changes track, file or title. (except AUX)

When pressed and held

• Radio mode: Frequency is controlled by 1 step quickly. When the button is released after pressing and holding, searches broadcast frequencies.

• Media mode: Rewinds or fast-forwards the song. (except BT Audio*, AUX)

* if equipped

(7) TUNE knob

• Radio mode: Changes frequency by turning the knob left/right.

• Media mode: Searches songs(files) by turning the knob left/right.

Audio system

■ Type A

■ Type B

(8) **DISP**
• Turns off the screen.
• Each time the button is pressed, it sets the Screen Off ➟ On ➟ Off.

(9) **RADIO**
• Plays Radio(FM/AM/DRM) mode.
• Each time the button is pressed, the radio mode popup will be displayed or closed.
• The radio mode popup will not be displayed when **[SETUP/CLOCK]** button ▶ [Display] ▶ [Mode popup] is turned [Off].

(10) **MEDIA**
• Plays Media(USB(iPod®), BT Audio*, AUX) mode.
• Each time the button is pressed, the media mode popup will be displayed or closed.
• The media mode popup will not be displayed when **[SETUP/CLOCK]** button ▶ [Display] ▶ [Mode popup] is turned [Off].

* if equipped

(11) **SCAN** (Type A)
• Play all receivable stations for 5 seconds each.

(12) **PHONE** (Type B)
• Moves to Phone screen.
• If Bluetooth® is not connected, displays Bluetooth® Pair/Connection screen.

(13) **POWER/VOL** knob
• Power knob: Turns power On/Off by pressing the knob.
• Volume knob: Sets volume by turning the knob left/right.

Audio system

(14) **[1] ~ [6]** (Preset)

When pressed quickly

• Radio mode: Receives saved fre-quencies(channels).

• Media mode(USB)

- **[1 RPT]** button: Repeat/Repeat Folder

- **[2 SHFL]** button: Shuffle Folder/Shuffle

• Media mode(iPod®)

- **[1 RPT]** button: Repeat

- **[2 SHFL]** button: Shuffle

• In case of Menu popup, the num-ber menu is selected.

When pressed and held

• Radio mode: Saves frequencies (channels).

Audio system

Steering Wheel Controls
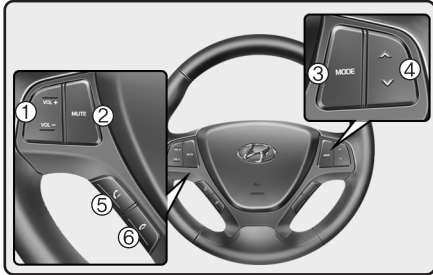
❈ The actual features in the vehicle may differ from the illustration.

(1) VOLUME
• Controls the audio volume.

(2) MUTE
• Mutes the audio volume.

(3) MODE
• Each time this is pressed, the mode is changed sequentially.
• If the media is not connected, the corresponding modes will be disabled.
• Press and hold to turn the Audio system on/off.
• When power is off, press button to turn power back on.

(4) SEEK/TRACK
• When pressed quickly
  - Radio mode: Searches broadcast frequencies saved to Presets.
  - Media mode: Changes track, file or title. (except AUX)
• When pressed and held
  - Radio mode: Frequency is controlled by 1 step quickly. When the button is released after pressing and holding, searches broadcast frequencies.
  - Media mode: Rewinds or fast-forwards the song. (except BT Audio*, AUX)

(5) CALL (if equipped)
• When pressed quickly
  - Moves to Phone screen.
  - When pressed in the incoming call screen, answers the call.
  - When pressed during call waiting, switches to waiting call.
• When pressed and held
  - Displays the last dialed number.
  - When pressed during a Bluetooth® Handsfree call, switches call back to Bluetooth® device(private mode).
  - When pressed while calling on the Bluetooth® device, switches call back to Bluetooth® Handsfree.
  - If Bluetooth® is not connected, displays Bluetooth® Pair/Connection screen.

(6) END (if equipped)
• When pressed during a call, ends the phone call.
• When pressed in the incoming call screen, rejects the call.

⚠ WARNING
- Audio System Safety
Warnings

• **Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.**

• **Do not disassemble, assemble, or modify the audio system. Such acts could result in accidents, fire, or electric shock.**

• **Using the phone while driving may lead to a lack of attention of traffic conditions and increase the likelihood of accidents. Use the phone feature after parking the vehicle.**

• **Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.**

(Continued)

(Continued)

• **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.**

• **Use the system with the vehicle ignition turned on. Prolonged use with the ignition turned off could result in battery discharge.**

⚠ WARNING - Distracted
Driving
Driving while distracted can result in a loss of vehicle control that may lead to an accident, severe personal injury, and death. The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any handheld devices, other equipment, or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or which are not permissible by law should never be used during operation of the vehicle.

Audio system

⚠ CAUTION

• **Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device.**

• **Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.**

• **Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable levels before turning off the device.)**

(Continued)

(Continued)

• **If you want to change the position of device installation, please inquire with your place of purchase or service maintenance center. Technical expertise is required to install or disassemble the device.**

• **Turn on the car ignition before using this device. Do not operate the audio system for long periods of time with the ignition turned off as such operations may lead to battery discharge.**

• **Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.**

(Continued)

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• **When cleaning the device, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents (alcohol, benzene, thinners, etc.). As such materials may damage the device panel or cause color/quality deterioration.**

• **Do not place beverages close to the audio system. Spilling beverages may lead to system malfunction.**

• **In case of product malfunction, please contact your place of purchase or After Service center.**

• **Placing the audio system within an electromagnetic environment may result in noise interference.**

• **Prevent caustic solutions such as perfume and cosmetic oil from contacting the dashboard because they may cause damage or discoloration.**

Radio

Radio Mode
Change Mode: [RADIO] button
• You can change the radio mode through **[RADIO]** button.
• The radio mode popup will not be displayed when **[SETUP/CLOCK]** button ▶ [Display] ▶ [Mode popup] is turned [Off].

Search Frequency: [SEEK/TRACK] button
• Searches the previous/next broadcast frequencies.
  - Pressing the button: Changes the frequency.
 - Pressing and holding the button: When the button is released after pressing and holding, searches broadcast frequencies.

Change Frequency: TUNE knob
• Changes frequency by turning the knob left/right. You can seek available frequencies manually.

Saved Frequency: [1] ~ [6] (Preset) buttons
• Pressing the button: Plays the frequency saved in the corresponding button.
• Pressing and holding the button: Saves the currently playing broadcast to the selected button and sound a BEEP.

FM/AM Mode
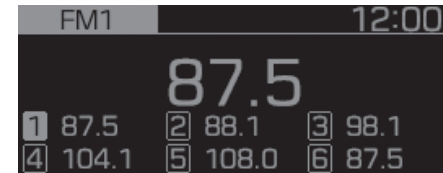
Displays Menu Popup when pressing the **[MENU]** button.

Auto Store
Saves broadcasts with superior reception to **[1] ~ [6]** buttons. If no frequencies are received, then the most recently received frequency will be broadcast.
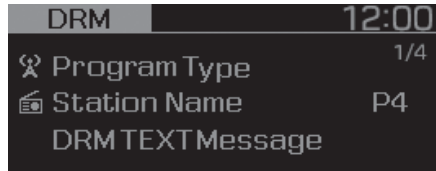
Scan
The broadcast frequency increases and previews each broadcast for 5 seconds each. After scanning all frequencies, returns and plays the current broadcast frequency.

Sound Settings
Moves to Sound Settings.

Audio system

DRM Mode

```
DRM                    12:00
                        1/4
 Program Type
 Station Name           P4
 DRM TEXT Message
```

Displays Menu Popup when pressing the **[MENU]** button.

Weather/News Report (DRM only)

Weather/News/Travel Announcement feature On/Off.

Presets

Displays saved presets.

Service List (DRM only)

Moves to the DRM Service List.

Auto Store

Saves broadcasts with superior reception to **[1] ~ [6]** buttons. If no frequencies are received, then the most recently received frequency will be broadcast.

Scan

The broadcast frequency increases and previews each broadcast for 5 seconds each. After scanning all frequencies, returns and plays the current broadcast frequency.

Sound Settings

Moves to Sound Settings.

Media

✽ **NOTICE - Using MP3**

Supported audio formats

Compressed audio formats	MPEG1 Audio Layer3
	MPEG2 Audio Layer3
	MPEG2.5 Audio Layer3
	Windows Media Audio Ver 7.X & 8.X

✽ **NOTICE**

File formats that do not comply with the above formats may not be properly recognized or play without properly displaying file names or other information.

Support for Compressed Files

1. Supported Bitrates (Kbps)

	MPEG1	MPEG2	MPEG2.5	WMA
	Layer3	Layer3	Layer3	High Range
BIT RATE(kbps)	32	8	8	48
	40	16	16	64
	48	24	24	80
	56	32	32	96
	64	40	40	128
	80	48	48	160
	96	56	56	192
	112	64	64	
	128	80	80	
	160	96	96	
	192	112	112	
	224	128	128	
	256	144	144	
	320	160	160	

2. Sampling Frequencies (Hz)

MPEG1	MPEG2	MPEG2.5	WMA
44100	22050	11025	32000
48000	24000	12000	44100
3000	16000	8000	48000

• For MP3/WMA compression files, differences in sound quality will occur depending on the bitrate. (Higher sound quality can be experienced with higher bitrates.)

• This device only recognizes files with MP3/WMA extensions. Other file extensions may not be properly recognized.

3. Maximum number of recognized folders and files

• Folder: 1,000 folders for USB

• File: 5,000 files for USB

• There are no limitations to the number of recognized folder levels.

4. Text Display (Based on Unicode)

• Filenames: Maximum 40 English characters

• Foldernames: Maximum 40 English characters

✽ **NOTICE**

Using the scroll feature allows you to see the entire name of files with names that are too long to be displayed at once.

Language Support (Unicode Support)
• Korean: 2,604 characters
• English: 94 characters
• Common Chinese characters: 4,888 characters
• Special symbols: 986 characters

✽**NOTICE**

Japanese/Simplified Chinese characters are not supported.

✽**NOTICE - Using the USB Devices**
• Connect the USB device after turning on the engine. The USB device may become damaged if it is already connected when the ignition is turned on. The USB device may not operate properly if the car ignition is turned on or off with the USB device connected.
• Be careful for static electricity when connecting/disconnecting USB devices.
• Encoded MP3 Players will not be recognized when connected as an external device.
• When connecting an external USB device, the vehicle's audio system may not recognize the USB depending on what firmware is used by USB device or what files are on the USB.
• Only products formatted with byte/sectors under 64Kbyte will be recognized.
• This device recognizes USB devices formatted in FAT 12/16/32 file formats. This device does not recognize files in NTFS file format.

(Continued)

(Continued)
• Some USB devices may not be supported due to compatibility issues.
• Avoid contact between the USB connector and bodily parts or foreign objects.
• Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
• A strange noise may occur when disconnecting the USB.
• Make sure to connect/disconnect external USB devices with the audio power turned off.
• The amount of time required to recognize the USB device may differ depending on the type, size or file formats stored on the USB. Such differences in time are not indications of malfunctions.
• The vehicle audio system only supports USB devices designed to play music files.
• USB images and videos are not supported.

(Continued)

(Continued)
• **Do not use the USB I/F to charge batteries or USB accessories that generate heat. Doing so may lead to worsened performance or damage to the audio system.**
• **The audio system may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB device directly with the USB port of the vehicle.**
• **When using mass storage USB devices with separate logical drives, only files saved to the root drive can be played.**
• **Files may not properly operate if application programs are installed on the USBs.**
• **The audio system may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized as portable disk drives) are connected with the audio system.**

(Continued)

(Continued)
• **Charging through the USB may not work for some mobile devices.**
• **The device may not support normal operation when using an atypical USB memory device (miniature, keychain, etc.). For best results, use a typical USB device that has a metal case.**
• **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 recognized.**
• **The device may not operate properly when using USB HDDs or USBs subject to connection failures caused by vehicle vibrations. (e.g. i-stick type)**

(Continued)

(Continued)
• **Avoid use of USB memory products that can also be used as key chains or mobile phone accessories. Use of such products may cause damage to the USB jack.**
• **Connecting an MP3 device or phone through various channels, such as AUX/BT or Audio/USB mode may result in pop noises or abnormal operation.**
• **Use USB 2.0 devices for better compatibility. Maximum device size supported is 32 GB.**

Audio system

✽ NOTICE - Using an iPod®

• iPod® is a registered trademark of Apple Inc.
• In order to use the iPod® with your vehicle's audio system, you must use a dedicated iPod® cable. (the cable that is supplied when purchasing iPod®/iPhone® products)
• If the iPod® is connected to the vehicle while it is playing, a high pitch sound could occur for approximately 1-2 seconds immediately after connecting. If possible, connect the iPod® to the vehicle with the iPod® stopped/paused.
• When the vehicle ignition is set to ACC or ON, connecting the iPod® through the iPod® cable will charge the iPod® through the car audio system.
• When connecting with the iPod® cable, make sure to fully insert the jack to prevent communication interference.

(Continued)

(Continued)

• When the EQ features of an external device, such as the iPod®, and the audio system are both active, EQ effects could overlap and cause sound deterioration and distortion. Whenever possible, turn off the EQ feature within the external device when it is connected to the audio system.
• Noise may occur when an iPod® or AUX device is connected. When such devices are not being used, disconnect the device for storage.
• When the iPod® or AUX device power is connected to the power jack, playing the external device may result in noise. In such cases, disconnect the power connection before use.
• Skipping or improper operation may occur depending on the characteristics of your iPod®/iPhone® device.

(Continued)

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• If your iPhone® is connected to both the Bluetooth® and USB, the sound may not be properly played. In your iPhone®, select the Dock connector or Bluetooth® to change the sound output (source).
• iPod® mode cannot be operated when the iPod® cannot be recognized due to the playing of versions that do not support communication protocols, cases of iPod® abnormalities and defects.
• For fifth generation iPod® Nano devices, the iPod® may not be recognized when the battery level is low. Please charge the iPod® for use.
• The search/play orders shown within the iPod® device may differ from the orders shown within the audio system.
• If the iPod® malfunctions due to an iPod® device defect, reset the iPod® and try again. (To learn more, refer to your iPod® manual)

(Continued)

(Continued)
• Some iPod®s may not sync with the System depending on the version. If the Media is removed before the Media is recognized, then the system may not properly restore the previously operated mode. (iPad® charging is not supported.)
• Use an iPod® cable shorter than 1 meter in length such as the one originally supplied with a new iPod®, longer cables may lead to the audio system not recognizing the iPod®.

✽ NOTICE - Using Bluetooth® (BT) Audio (if epuipped)

• Bluetooth® Audio Mode can be used only when a Bluetooth® phone has been connected.
• Bluetooth® Audio Mode will not be available when connecting mobile phones that do not support this feature.
• If a Bluetooth® Phone is being used to play music and receives an incoming or outgoing phone call, then the music will stop.
• Moving the Track up/down while playing Bluetooth® audio mode may result in pop noises with some mobile phones.
• Bluetooth® streaming audio may not be supported in some mobile phones.

(Continued)

(Continued)
• When returning to Bluetooth® Audio mode after ending a call, the mode may not automatically restart in some mobile phones.
• Receiving an incoming call or making an outgoing call while playing Bluetooth® Audio may result in audio interference.

Media Mode

Change Mode: [MEDIA] button

• Each time the button is pressed, the media mode popup will be displayed or closed.

• The media mode popup will not be displayed when **[SETUP/CLOCK]** button ▶ [Display] ▶ [Mode popup] is turned [Off].

  You can select a menu in the mode popup by using the **[1] ~ [6]** (Preset) buttons or **TUNE** knob.

• If media device(USB, AUX) is connected, then it will automatically operate. Once it is disconnected, the previous mode will be restored.

• The Audio/AUX volume can also be controlled.

Repeat: [1 RPT] button

• Repeats the current song or repeats all songs within the current folder.

• iPod® mode: Repeat Song ➟ Repeat Off

• USB mode: Repeat Song ➟ Repeat Folder ➟ Off

Shuffle: [2 SHFL] button

• Plays all songs within the current folder(category) or play all songs in random order.

• iPod® mode: Shuffle All ➟ Shuffle Off

• USB mode: Shuffle Folder ➟ Shuffle All ➟ Off

Change Song/File: [SEEK/TRACK] button

[∨ SEEK/TRACK] button

• Pressing the button: Plays the current song from the beginning. If the **[∨ SEEK/TRACK]** button is pressed again within 1 second, the previous song is played.

• Pressing and holding the button: Rewinds the song.

[SEEK/TRACK ∧] button

• Pressing the button: Plays the next song.

• Pressing and holding the button: Fast-forwards the song.

✽ NOTICE
BT Audio, AUX don't support Rewind/Fast-forward feature.

Search Song: TUNE knob

• Turning **TUNE** knob: Searches for songs(files).

• Pressing **TUNE** knob: Plays selected song(file).

✽ NOTICE
BT Audio, AUX don't support playlist feature.

Search Folder: [FOLDER] button

• Searches the previous/next folder. (USB)

✽ NOTICE
If a folder is selected by pressing the TUNE knob, the first file within the selected folder will be played.

USB

Displays Menu Popup when pressing the **[MENU]** button.

List

Moves to the list screen.

Repeat

Repeats the current song. Press it again to turn off.

Repeat Folder

Repeats songs within the current folder. Press it again to turn off.

Shuffle Folder

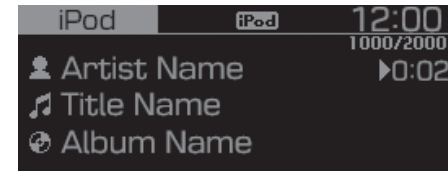Randomly plays songs within the current folder. Press it again to turn off.

Shuffle

Randomly plays all songs. Press it again to turn off.

Information

Displays information of the current song.

Sound Settings

Moves to Sound Settings.

iPod®

Displays Menu Popup when pressing the **[MENU]** button.

List

Moves to the list screen.

Repeat

Repeats the current song. Press it again to turn off.

Shuffle

Plays all songs within the currently playing category in random order. Press it again to turn off.

Information

Displays information of the current song.

Sound Settings

Moves to Sound Settings.

Audio system

BT Audio (if equipped)
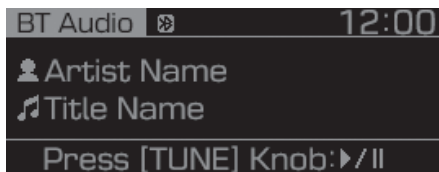
Displays Menu Popup when pressing the **[MENU]** button.

Sound Settings
Moves to Sound Settings.

✽ **NOTICE**
• **Audio may not automatically start playing in some Bluetooth® devices. If the music in the Bluetooth® device is not played after changing to audio streaming mode, press the TUNE knob. Check if the music is playing in the Bluetooth® device after changing to audio streaming mode.**
• **Audio streaming may not be supported for some Bluetooth® devices.**
• **If Bluetooth® device is disconnected, BT Audio is ended.**
• **Bluetooth® connection is required to use BT Audio. Refer to the Bluetooth® manual for more information.**

AUX
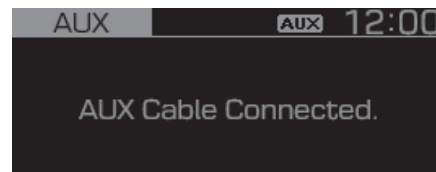
Displays Menu Popup when pressing the **[MENU]** button.

Sound Settings
Moves to Sound Settings.

✽ **NOTICE**
• **AUX mode can be used only when an external audio player has been connected.**
• **If only a cable is connected to the AUX without an external device, the mode will be changed to AUX, but noise may occur. When an external device is not being used, remove the connector jack.**
• **When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.**

Bluetooth (if equipped)

✽ NOTICE - Using Bluetooth®
(BT) Phone

What is *Bluetooth*® Wireless Technology?

• Bluetooth® refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.

• Supported within PCs, external devices, Bluetooth® phones, PDAs, various electronic devices, and automotive environments, Bluetooth® to be transmitted at high speeds without having to use a connector cable.

• Bluetooth® Handsfree refers to a device which allows the user to conveniently make phone calls with Bluetooth® devices through the Multimedia system.

• The Bluetooth® Handsfree feature may not be supported in some Bluetooth® devices.

⚠ **WARNING - Distracted Driving**

• **Focus on the road while driving. The driver's primary responsibility is in the safe and legal operation of the vehicle. Drivers should not use any hand held devices or other equipment or vehicle systems that distract the driver during vehicle operation.**

• **Do not stare at the multimedia screen for long periods of time while driving. Staring at the screen for prolonged periods of time can lead to traffic accidents and can result in personal injuries.**

⚠ **CAUTION - For Safe Driving**

• *Bluetooth® is a feature that enables drivers to make handsfree calls. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make calls, receive calls, and manage the phonebook. Before using Bluetooth®, carefully read the contents of this user's manual.*

• *Excessive use or operations while driving may lead to negligent driving practices and be the cause of accidents. Do not operate the device excessively while driving.*

• *Viewing the screen for prolonged periods of time is dangerous and may lead to accidents. When driving, view the screen only for short periods of time.*

(Continued)

Audio system

(Continued)

• *Pairing Bluetooth® devices and use of other Bluetooth® features are not supported when the vehicle is in motion. For safety, please first park your vehicle.*

⚠️ **CAUTION**
- For Connecting a Bluetooth® Phone

• *Before connecting the head unit with the Bluetooth® device, check to see that the mobile device supports Bluetooth® features.*

• *Even if the mobile device supports Bluetooth®, the device will not be found during device searches if the device has been set to hidden state or the Bluetooth® power is turned off. Disable the hidden state or turn on the Bluetooth® power prior to searching/connecting with the head unit.*

(Continued)

(Continued)

• *If a Bluetooth® device becomes disconnected due to being out of communication range, turning the device OFF, or a Bluetooth® communication error, corresponding Bluetooth® devices are automatically searched and reconnected.*

• *If you do not want automatic connection with your Bluetooth® device, turn the Bluetooth® feature off in the Bluetooth® device.*

• *Only one Bluetooth® device can be connected at a time.*

• *Bluetooth® connection may become intermittently disconnected in some Bluetooth® devices. Follow these steps to try again.*

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1. **Turn the Bluetooth® function within the Bluetooth® device OFF/ON and try again.**
2. **Turn the Bluetooth® device power OFF/ON and try again.**
3. **Completely remove the Bluetooth® device battery, reboot, and then again.**
4. **Reboot the Multimedia System and try again.**
5. **Delete all paired devices from both of Bluetooth® device and Head Unit sides and then try again.**

⚠️ **CAUTION**
  - Upon Using Bluetooth® Phone

• **If the Bluetooth® device is not connected, it is not possible to enter Phone mode. After connecting your Bluetooth® device to your car, use the Bluetooth® features.**

• **You will not be able to use the handsfree feature when your phone is outside of the cellular service area (e.g. in a tunnel, in a underground, in a mountainous area, etc.).**

• **If the cellular phone signal is poor or the vehicles interior noise is too loud, it may be difficult to hear the other person's voice during a call.**

• **Do not place the Bluetooth® device near or inside metallic objects, otherwise communications with Bluetooth® system or cellular service stations can be disturbed.**

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• **Placing the audio system within an electromagnetic environment may result in noise interference.**

• **Some Bluetooth® devices may cause interference noise or malfunction to audio system. In this case, store the device in a different location may resolve the condition.**

• **While a device is connected through Bluetooth®, your device may discharge quicker than usual for additional Bluetooth®-related operations.**

• **The handsfree call volume and quality may differ depending on the Bluetooth® device.**

(Continued)

Audio system

(Continued)

• *If Connection Priority is set upon vehicle ignition (IGN/ACC ON), the Bluetooth® device will be automatically connected. Even if you are outside, the Bluetooth® device will be automatically connected once you are in the vicinity of the vehicle. If you do not want to automatically connect your Bluetooth® device, turn off the Bluetooth® feature in your Bluetooth® device.*

• *In some Bluetooth® devices, starting the ignition while talking through Bluetooth® enabled handsfree call will result in the call becoming disconnected due to car handsfree call transfer. If you use your phone outside the vehicle, turn off the Bluetooth® feature in your phone.*

Bluetooth® Connection

Before you can use the Bluetooth® feature, you must first pair/connect your Bluetooth® device to your car.

Pairing a New Device

Select **[PHONE]** button in the head unit or **[CALL]** button in the steering wheel remote control.
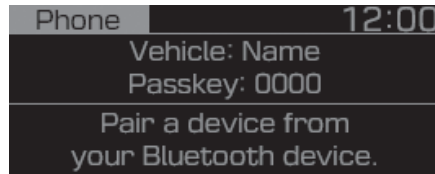
In your Bluetooth® device,

1. Pair your car after your Bluetooth® device detects the Bluetooth® device.

2. Enter the passkey(0000) or accept the authorization popup.

3. Connect Bluetooth®.

✽ NOTICE

• **Up to 5 Bluetooth® devices can be paired.**

• **The default passkey is 0000.**

• **During a Bluetooth® device connection, another device cannot be paired.**

• **The Vehicle Name above is an example. Check the actual information on the product.**

• **Pairing and connecting a Bluetooth® enabled Bluetooth® device will work only when the Bluetooth® option within your Bluetooth® device has been turned on. (Methods of turning on the Bluetooth® enabled feature may differ depending on the Bluetooth® device.).**

• **After pairing is complete, a contacts download request is sent to the Bluetooth® device. Some Bluetooth® devices may require confirmation upon receiving a download request. Ensure your Bluetooth® device accepts the connection. Refer to your phone's user manual for additional information regarding phone pairing and connections.**

Connecting Bluetooth® Devices

Press the **[PHONE]** button in the head unit or **[CALL]** button in the steering wheel remote control ▶ Select the name of the device to connect ▶ Connect Bluetooth®.
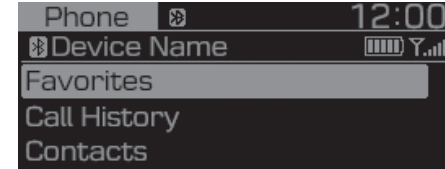
• Connects the Bluetooth® devices that you add.

```
Phone              12:00
Bluetooth Connection
Add New Device
🖥 Device Name1
🖥 Device Name2
```
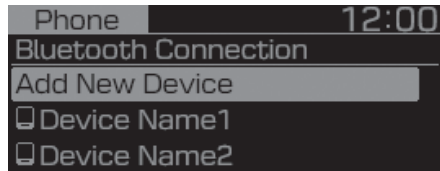
✴ NOTICE

• **Only one Bluetooth® device can be connected at a time.**
• **Bluetooth® features supported within the vehicle are as follows. Some features may not be supported depending on your Bluetooth® device.**
  - **Outgoing/Incoming Handsfree calls**
  - **Operations during a call: Switch to Private, Switch to call waiting, MIC on/off**
  - **Downloading Call History**
  - **Downloading Contacts**
  - **Bluetooth® device Auto Connection**
  - **Bluetooth® Audio Streaming**

Bluetooth Phone

Favorites

Press the **[PHONE]** button ▶ Select [Favorites].

• Displays Phone Menu screen.
• The connected device name is displayed in the top of the display.

```
Phone  📶          12:00
📶 Device Name    🔋📶
Favorites
Call History
Contacts
```

• 📶 : Call signal strength indicator.
• 🔋 : Battery level of the Bluetooth® devices connected.

• Lists the phone numbers saved as Favorites. Select from the list to dial the number.

Displays Menu Popup when pressing the **[MENU]** button.

• Add New Favorites: Adds a phone number to Favorites.

• Delete ItemsRepeat: Deletes numbers that you select from Favorites.

• Delete All: Deletes all of the numbers from Favorites.

✽ **NOTICE**
• **Up to 20 favorites can be saved in favorites of each device.**
• **Downloading favorites in your Bluetooth® device does not be supported.**
• **To save favorite, contacts should be downloaded.**
• **Contact saved in favorites will not be automatically updated if the contact has been updated in the phone. To update Favorites, delete the favorite and create a new favorite.**

Call History

Select **[PHONE]** button ▶ Select [Call History].

• Displays all of your call history. Select from the list to dial the number.
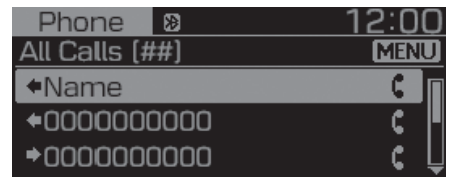
Displays Menu Popup when pressing the **[MENU]** button.

• Download: Downloads the call history information from your Bluetooth® device.

• All Calls: Lists the all call history.

• Dialed Calls: Lists the calls that you made.

• Received Calls: Lists the calls that you have received.

• Missed Calls: Lists the calls you missed.

✽ **NOTICE**

• **Call history may not be saved in the call history list in some Bluetooth® devices.**

• **Calls from restricted ID's are not saved in the call history list.**

• **Up to 50 calls can be added in each Dialed Calls/Received Calls/Missed Calls list.**

• **The durations of each dialed/received call are not displayed in your car's Call History list.**

• **While the call history download is in progress, the status bar displays an icon ( ).**

• **If the call history download is turned off on the Bluetooth® device, the call history download will fail.**

• **Some devices require a device authentication for downloading your call history. If download fails, check if the Bluetooth® settings or display status are normal.**

Contacts

Select **[PHONE]** button ▶ Select [Contacts].

• Displays the list of Contacts. Select from the list to dial the number.
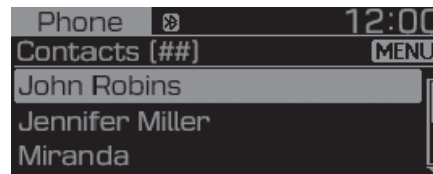
Displays Menu Popup when pressing the **[MENU]** button.

• Download: Downloads contacts from your Bluetooth® device.

• A-Z Jump: Finds a contact in an alphabetical order.

Requesting Download

Some devices require a device authentication for downloading your call history and contacts.

If download fails, check the Bluetooth® device settings or the screen state.
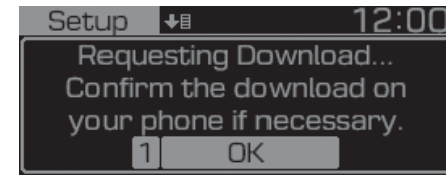
Audio system

✽ **NOTICE**

• **Up to 2000 phone numbers can be downloaded from a single, paired Bluetooth® device.**
• **You cannot edit or delete downloaded phone numbers from your car.**
• **Contacts can be viewed only when the Bluetooth® device is connected.**
• **Even if the Bluetooth® device is disconnected, the downloaded data will remain. (Note that deleting a paired device will also delete all downloaded Contacts and Call History data)**
• **Downloaded phone numbers may be lost depending on the condition of the head unit. Keep your important data in a safe place.**
• **The status bar displays a ( ) while downloading contacts.**
• **The download will not be available if the contacts download function is turned off on your Bluetooth® device.**
• **Phone contact names should be saved in English or they may not be displayed correctly.**

(Continued)

(Continued)
• **The time of contacts/call history download may differ depending on the Bluetooth® devices.**
• **Some devices require a device authentication for downloading your contacts. If download fails, check your phone screen and confirm the download if necessary.**

Accept/Reject Call

If there is an incoming call, a popup message will appear.

• To answer the incoming call, select [Accept] on the screen or press the **[CALL]** button on the steering remote control.
• To reject the call, select [Reject] on the screen or press the **[END]** button on the steering wheel control.

✽ **NOTICE**

In some Bluetooth® devices, the caller's number may not be displayed, and the Reject feature may not be supported.

Using the Menu During a Phone Call

When making a call, you can use the following menu items.
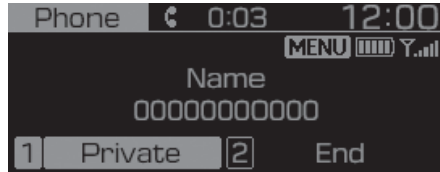
(1) Private: Switches a voice call from the car Hands-free to the Bluetooth® device.

(2) End: Ends a call.

Displays Menu Popup when pressing the **[MENU]** button.

• Outgoing Volume: Displays the Mic Volume settings. You can adjust the in-call volume that the other party hears (level 1 - 5).

✽ **NOTICE**

• **Up to 2000 phone numbers can be downloaded from a single, paired Bluetooth® device.**
• **If the caller's number is listed in Contacts, the caller's name will be displayed. Otherwise, only the number will be displayed. In some Bluetooth® devices, the phone number may not be displayed.**
• **In some Bluetooth® devices, the Use Private feature may not be supported.**
• **In some Bluetooth® devices, the Switch feature may not be supported.**
• **The phone number may not be properly displayed in some Bluetooth® devices.**
• **During a phone call on a Bluetooth® Handsfree, you cannot access other modes, such as Radio and Setup.**
• **Depending on handset types, the in-call volume the other party hears may differ. If the other party hears your voice too low or too loud, adjust the mic volume.**

Phone Settings

Select **[PHONE]** button ▶ Select [Phone Settings].

• Moves to a screen of Phone Settings. Refer to [Setup] ▶ [Phone Settings] manual for more information.

4 27

Setup

Display

Press the **[SETUP/CLOCK]** button ▶ Select [Display].

• Media Display: When playing an MP3 file, select the desired display info from [Folder/File] or [Artist/Title/Album].

• Mode Popup: During [On] state, press the **[RADIO]** or **[MEDIA]** button to display the mode change popup.

• Text Scroll: If MP3 file name is too long to display, the file name is scrolled from right to left.

Sound

Press the **[SETUP/CLOCK]** button ▶ Select [Sound].

• Position: Selects the sound position.

• Tone: Selects the sound tone.

• Speed Dependent Vol.: Controls the volume level automatically according to the speed of the vehicle.

Date/Time

Press the **[SETUP/CLOCK]** button ▶ Select [Date/Time].

• Set Time: Adjusts the number currently in focus to set the [hour], and press the **TUNE** knob to set the [minute] and [AM/PM].

• Time Format: Sets the 12/24 hour time format of the audio system.

• Set Date: Adjusts the number currently in focus to make the settings and press the **TUNE** knob to move to the next settings.

• Display(Power Off): Displays time/date on screen when the audio system turns power off.

Phone (if equipped)

Add new device

Press the **[SETUP/CLOCK]** button ▶ Select [Phone] ▶ Select [Add new device].

• The following steps are the same as those described in the section [Pairing a New Device] on the previous page.

Connect/Disconnect Device

Press the **[SETUP/CLOCK]** button ▶ Select [Phone] ▶ Select [Paired devices].

• Displays the paired Bluetooth® device list.

• From the paired device list, select the device you want to connect or disconnect.

✽ NOTICE

- **Displays the icons when Bluetooth® device is connected.**
  : An icon appears when you make a Bluetooth® Audio connection.
  : An icon appears when you make a Bluetooth® Handsfree connection.
- **Only one Bluetooth® device can be connected at a time.**
- **Bluetooth® Handsfree and Bluetooth® Audio functions are supported. Handsfree and audio-supported devices, such as a Bluetooth® smartphone or audio, will function normally.**
- **If the system is not stable due to a vehicle- Bluetooth® device communication error, delete the paired device on each device and pair/connect the Bluetooth® device again.**

Delete devices

Press the **[SETUP/CLOCK]** button ▶ Select [Phone] ▶ Select [Delete devices].

- Displays the paired Bluetooth® device list.
- When selecting from the list, the device is deleted.

✽ NOTICE

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

Auto Connection priority

Press the **[SETUP/CLOCK]** button ▶ Select [Phone] ▶ Select [Connection priority].

- Select the device to want to set the connection priority of paired devices.
- If "None" is chosen, the Bluetooth® system will try to connect to the last connected device, then to all paired devices.

Audio system

✽ NOTICE

• **When the engine is running, the selected Bluetooth® device is automatically connected. If you fail to connect the selected device, the previously-connected device is automatically connected, and if it also fails, then it tries to connect all paired devices sequentially.**

• **Depending on auto connection priority, connection to a device may take time.**

• **If a Bluetooth® device becomes disconnected due to being out of communication range, turning the device OFF, or a Bluetooth® communication error, corresponding Bluetooth® devices are automatically searched and reconnected.**

• **Even if you are outside, the Bluetooth® device will be automatically connected once you are in the vicinity of the vehicle. If you do not want to automatically connect your Bluetooth® device, turn off the Bluetooth® feature in your Bluetooth® device.**

(Continued)

(Continued)

• **In some Bluetooth® devices, starting the ignition while talking through Bluetooth® enabled handsfree call will result in the call becoming disconnected due to car handsfree call transfer. If you use your phone outside the vehicle, turn off the Bluetooth® feature in your phone.**

Language

Press the **[SETUP/CLOCK]** button ▶ Select [Language].

• Changes the display language.

Display Off

Press the **[SETUP/CLOCK]** button ▶ Select [Display Off].

• Audio operation is maintained and only the screen will be turned Off. In the Screen Off state, press any button to turn the Screen On again.

AUDIO (With Touch Screen)

■ Type C

(With *Bluetooth*® Wireless Technology)

B4H4G0000EG

Audio system

Feature of Your Audio

Head unit

■ Type C

❋ The actual features in the vehicle may differ from the illustration.

(1) **LCD screen**
• Tap the screen to select a button.

(2) **TUNE** knob
• In Radio Mode
  - Turn to navigate through the FM/AM and DRM frequencies manually.

• In Media Mode
  - Turn to navigate through the songs list.
  - Press to select an item.

(3) **SETUP**
• Access Display, Sound, Date/Time, Bluetooth, System, Screen Saver and Display Off settings.

(4) **PHONE**
• Start Bluetooth® Phone mode.

(5) **SEEK/TRACK**
• Search for next station in radio mode.
• Change the current song in media mode.

(6) **MEDIA**
• Select USB(iPod®), Bluetooth®(BT) Audio, AUX or My Music.
• Display the media menu when two or more media are connected or when the **[MEDIA]** button is pressed in media mode.

■ Type C

(7) **RADIO**
• Start FM, AM and DRM Radio.

(8) **POWER/VOL** knob
• Turn to adjust the volume.
• Press to turn the device on or off.

(9) **RESET**
• Shutdown and restart the system.

Steering wheel remote control
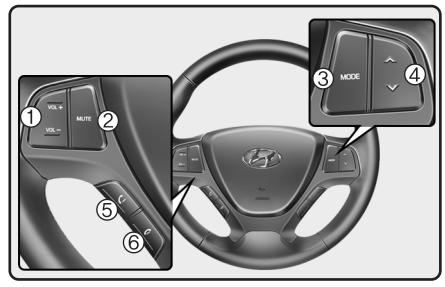
❈ The actual features in the may dif-
fer from the illustration.

(1) **VOLUME**
• Press to adjust the volume.

(2) **MUTE**
• Press to mute audio output.

(3) **MODE**
• Press the button to change the
mode in the following order: Radio
➟ Media.
• Press and hold the button to turn
off.

(4) **UP/DOWN**
• Press the button in radio mode to
cycle between the FM/AM and
DRM frequencies in the order as
stored in the presets.
• Press and hold the button in radio
mode to search for the next avail-
able frequency.
• Press the button in media mode to
change the current song.
• Press and hold the button in media
mode to quick search through
songs.

(5) **CALL**
• Pressing the button.
- If not in Bluetooth® Handsfree
mode or receiving a phone call.
 First press: Display Dial Number
screen.
 Second press: Automatically dis-
play the most recently Dialed
Call number.
 Third press: Dial the phone num-
ber entered.
- Press in the Incoming Call notifi-
cation screen to accept the
phone call.

- Press in Bluetooth® Handsfree
mode to switch to the waiting
call.
• Pressing and holding the button.
- If not in Bluetooth® Handsfree
mode or receiving a phone call,
the most recently Dialed Call
number is dialed.
- Press in Bluetooth® Handsfree
mode to transfer the call to your
cell phone.
- Press in cell phone mode to
switch to Bluetooth® Handsfree
mode.

(6) **END**
• Press in Bluetooth® Handsfree
mode to end the phone call.
• Press in the incoming call screen
to reject the call.

Audio system

⚠ WARNING
**- Audio System Safety
Warnings**

• **Do not stare at the screen
while driving. Staring at the
screen for prolonged periods
of time could lead to traffic
accidents.**

• **Do not disassemble, assem-
ble, or modify the audio sys-
tem. Such acts could result in
accidents, fire, or electric
shock.**

• **Using the phone while driving
may lead to a lack of attention
of traffic conditions and
increase the likelihood of
accidents. Use the phone fea-
ture after parking the vehicle.**

• **Heed caution not to spill water
or introduce foreign objects
into the device. Such acts
could lead to smoke, fire, or
product malfunction.**

(Continued)

(Continued)

• **Please refrain from use if the
screen is blank or no sound
can be heard as these signs
may indicate product malfunc-
tion. Continued use in such
conditions could lead to acci-
dents (fires, electric shock) or
product malfunctions.**

• **Do not touch the antenna dur-
ing thunder or lightening as
such acts may lead to light-
ning induced electric shock.**

• **Do not stop or park in park-
ing-restricted areas to operate
the product. Such acts could
lead to traffic accidents.**

• **Use the system with the vehi-
cle ignition turned on.
Prolonged use with the igni-
tion turned off could result in
battery discharge.**

⚠ WARNING
- Distracted Driving

Driving while distracted can
result in a loss of vehicle con-
trol that may lead to an acci-
dent, severe personal injury,
and death. The driver's primary
responsibility is in the safe and
legal operation of a vehicle, and
use of any handheld devices,
other equipment, or vehicle sys-
tems which take the driver's
eyes, attention and focus away
from the safe operation of a
vehicle or which are not permis-
sible by law should never be
used during operation of the
vehicle.

⚠ **CAUTION**

• **Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device.**

• **Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.**

• **Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable levels before turning off the device.)**

(Continued)

(Continued)

• **If you want to change the position of device installation, please inquire with your place of purchase or service maintenance center. Technical expertise is required to install or disassemble the device.**

• **Turn on the car ignition before using this device. Do not operate the audio system for long periods of time with the ignition turned off as such operations may lead to battery discharge.**

• **Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.**

(Continued)

(Continued)

• **When cleaning the device, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents (alcohol, benzene, thinners, etc.). As such materials may damage the device panel or cause color/quality deterioration.**

• **Do not place beverages close to the audio system. Spilling beverages may lead to system malfunction.**

• **In case of product malfunction, please contact your place of purchase or After Service center.**

• **Placing the audio system within an electromagnetic environment may result in noise interference.**

• **Prevent caustic solutions such as perfume and cosmetic oil from contacting the dashboard because they may cause damage or discoloration.**

Audio system

Information on status icons

Icons showing audio status are shown in the upper-right corner of the screen.

Icon	Description
Mute	Mute engaged
Battery	Remaining battery life of a connected Bluetooth® device
Handsfree + Audio streaming connection	Bluetooth® Handsfree call and audio streaming available
Handsfree connection	Bluetooth® Handsfree call available
Bluetooth audio streaming	Bluetooth® audio streaming available
Downloading contacts	Downloading contacts through Bluetooth® wireless communications
Downloading call history	Downloading call history through Bluetooth® wireless communications
Line busy	Phone call in progress
Mute mic	Mic muted during a call (caller cannot hear your voice)
Phone signal strength	Display the phone signal strength for a cell phone connected by Bluetooth®

Radio

DRM
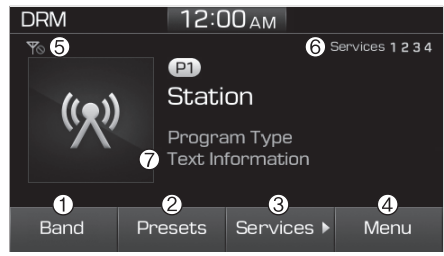
❈ The actual features may differ from the illustration. May change according to the transmission content of DRM.

(1) Band

Switch between FM, AM and DRM.

(2) Presets

View all presets.

(3) Services ▶

Cycle between the services available with the broadcasting frequency.

(4) Menu

Navigate to the menu screen.

(5) No signal

When no signal or weak signal in DRM Mode, Display No signal icon.

(6) Services Index

• Displays the number of services available with the broadcasting frequency.

• Highlights the currently receiving service.

• No. of services depends on the broadcasting station and it may vary from 1 ~ 4.

(7) Text Information

Text Information may or may not be available and it depends on the broadcasting station.

Switching between FM, AM and DRM

• Press the **[RADIO]** button on the audio system to switch between FM, AM and DRM.

• Select [Band] on the screen to switch between FM, AM and DRM.

Searching stations

Press the **[SEEK/TRACK]** button to search stations.

Presets

Save up to 40 frequently used stations.

To listen to a preset, select the desired station list.

Press and hold the desired slot from 1 through 40. This saves the current station in the selected slot.

If the slot is empty, simply selecting saves the station to the slot.

Changing Service

• Select [Services ▶] in order to cycle between the available services from 1 ➟ 2 ➟ 3 ➟ 4 ➟ 1.

• Number of services depends on the broadcasting station and can vary between 1 ~ 4.

✽ **NOTICE**

• **The Receiving of DRM Signal is based on transmission (Range & time) of All India Radio.**
• **Some of the States of India are not started with DRM transmission.**

Menu

Select [Menu], and select the desired function.

• Weather/News Report: Enable or disable Weather/News Report.
• Scan: All available stations are played for five seconds each.
• Sound Settings: Audio sound settings can be changed.

FM/AM
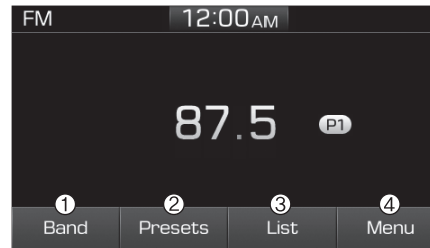
(1) Band

Switch between FM, AM and DRM.

(2) Presets

View all presets.

(3) List

View all available stations.

(4) Menu

Navigate to the menu screen.

Switching between FM, AM and DRM

• Press the **[RADIO]** button on the audio system to switch between FM, AM and DRM.
• Select [Band] on the screen to switch between FM, AM and DRM.

Searching stations

Press the **[SEEK/TRACK]** button to search stations.

List

A list of all available stations in the vehicle's current location is displayed. Select the desired station.

Favorite stations can be saved to [Presets] by selecting [save].

Select the refresh icon [↻] in order to update the list of available stations at the vehicle's current location while in FM/AM Mode.

Audio system

Presets

Save up to 40 frequently used stations.

To listen to a preset, select the desired station list.

Press and hold the desired slot from 1 through 40. This saves the current station in the selected slot.

If the slot is empty, simply selecting saves the station to the slot.

Menu

Select [Menu], and select the desired function.

• Scan: All available stations are played for five seconds each.

• Sound Settings: Audio sound settings can be changed.

Media

✽ NOTICE - Using MP3

Supported audio formats

Compressed audio formats	MPEG1 Audio Layer3
	MPEG2 Audio Layer3
	MPEG2.5 Audio Layer3
	Windows Media Audio Ver 7.X & 8.X

❈ File formats other than the formats above may not be recognized or playable. Information such as file-name may not be displayed.

Range of supported compressed file types

1. Bitrate range (Kbps)

	MPEG1	MPEG2	MPEG2.5	WMA
	Layer3			High Range
BIT RATE(kbps)	32	8	8	48
	40	16	16	64
	48	24	24	80
	56	32	32	96
	64	40	40	128
	80	48	48	160
	96	56	56	192
	112	64	64	
	128	80	80	
	160	96	96	
	192	112	112	
	224	128	128	
	256	144	144	
	320	160	160	

2. Sampling frequency (Hz)

MPEG1	MPEG2	MPEG2.5	WMA
44100	22050	11025	32000
48000	24000	12000	44100
32000	16000	8000	48000

• The sound quality of MP3/WMA compressed files may vary depending on the bitrate. (A higher bitrate can have better sound quality.)

• The product only recognizes files with the MP3 or WMA extension. Files without one of these extensions are not recognized.

3. Number of recognizable folders and files

• Folders: 2,000 for USB

• Files: 6,000 for USB

• No recognition limit for folder hierarchies

4. Character display range (Unicode)

• Filenames: Up to 64 English characters (64 Korean characters)

• Foldernames: Up to 32 English characters (32 Korean characters)

❈ The scroll feature can be used to display file and folder names that are too long to display on the screen.

Languages supported (Unicode support)

• Korean: 2,604 characters

• English: 94 characters

• Common Chinese characters: 4,888 characters

• Special symbols: 986 characters

❈ Japanese/Simplified Chinese characters are not supported.

✽ **NOTICE - Using the USB Devices**

• **Starting the vehicle while a USB device is connected can damage the device. Please disconnect USB devices before starting the vehicle.**

• **Starting the vehicle or stopping the engine while an external USB device is connected can result in failure of the external USB device to operate.**

• **Be cautious of static electricity when connecting/disconnecting external USB devices.**

• **An encrypted MP3 player is not recognized when connected as an external device.**

• **External USB devices may not be recognized, depending on the state of the external USB device.**

• **Only products with byte/sectors formatted at 4 KB or lower are recognized.**

• **Only USB devices in FAT12/16/32 format are recognized; NTFS and ExFAT file systems are not recognized.**

• **Some USB devices are not recognized due to compatibility issues.**
(Continued)

Audio system

(Continued)
• **Do not touch the USB connections.**
• **Connecting and disconnecting USB devices rapidly over a short period of time can cause equipment failure.**
• **Abnormal sounds may be audible when the USB device is disconnected.**
• **Turn the audio off before connecting or disconnecting external USB devices.**
• **Recognition may take longer depending on the type, capacity or file format of the external USB device. This is not a product malfunction.**
• **Use of USB devices for purposes other than playing music files is prohibited.**
• **Image display and video playback are not supported.**
• **Use of USB accessories, including charge and heat though the USB I/F, can lead to reduced product performance or malfunctions. Do not use USB devices or accessories for these purposes.**
(Continued)

(Continued)
• **Use of aftermarket USB hubs and extension cables can result in the vehicle's audio system failing to recognize your USB device. Connect the USB device directly to the multimedia port of your vehicle.**
• **When using high-capacity USB devices with logical drive divisions, only files saved on the highest level logical drive can be played.**
  If applications are loaded on a USB drive, file playback may fail.
• **Some MP3 players, cell phones, digital cameras, etc. (USB devices that are not recognized as mobile storage) may not operate normally when connected.**
• **USB charging may not be supported by some mobile devices.**
• **Operation is guaranteed only for standard (Metal Cover Type) USB Memory drives.**
• **Operation of HDD, CF, SD and memory stick devices is not guaranteed.**
(Continued)

(Continued)
• **DRM (Digital Rights Management) files cannot be played.**
• **SD-type USB memory, CF-type USB memory, and other USB memory devices that require adapters for connection are not supported.**
• **Proper operation of USB HDDs or USB drives with connectors that loosen due to vehicle vibrations is not guaranteed. (iStick, etc.)**
• **USB products that are used as key chains or cell phone accessories may damage the USB jack and affect proper file playback. Please refrain from use. Use only products with plug connectors, as shown in the following illustration.**
• **When MP3 devices or cell phones are connected simultaneously through AUX, BT Audio and USB modes, a popping noise or malfunction may occur.**
• **Use USB 2.0 devices for better compatibility. Maximum device size supported is 32 GB.**

USB
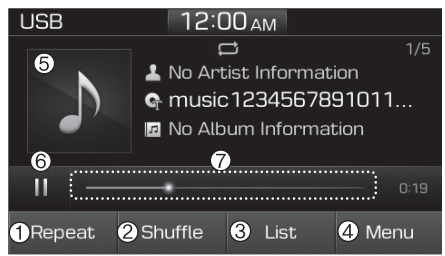
(1) Repeat

Enable/disable repeat play.

(2) Shuffle

Enable/disable shuffle play.

(3) List

View a list of all songs.

(4) Menu

Navigate to the menu screen.

(5) Album Image

View song info.

(6) Pause

Pause or play music.

(7) Playback progress

Select to skip to the desired location.

Playback

Press the **[MEDIA]** button, and select [USB].

Connect a USB drive to the USB port to automatically play files on the USB drive.

Changing songs

Press the **[SEEK/TRACK]** button to play the previous or next song.

Press and hold the **[SEEK/TRACK]** button to rewind or fast forward the currently playing song.

Search songs by turning **TUNE** knob, and press the knob to play.

Selecting songs from a list

Select [List] to see a list of songs available for play.
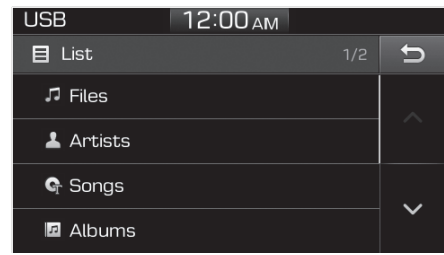
Select and play the desired song.

Repeat play

Select [Repeat] to enable or disable 'Repeat all', 'Repeat current song', 'Repeat folder' or 'Repeat category' play.

• [ ] Repeat all: All songs in the playlist are repeated.

• [ ] Repeat current song: The currently playing song is repeated.

• [ ] Repeat folder: All songs in the current folder are repeated.

• [ ] Repeat category: Repeat all songs in the current category.

Audio system

✽ NOTICE

The repeat folder function is avail-
able only when songs are playing
from the [File] category under
[List].

Shuffle play

Select [Shuffle] to enable or disable
'Shuffle', 'Shuffle folder' or 'Shuffle
category' play.

• ⬚ Shuffle: Songs are played in
random order.

• ⬚ Shuffle folder: Songs within
the current folder are played in ran-
dom order.

• ⬚ Shuffle category: Songs within
the current category are played in
random order.

Menu

Select [Menu], and select the desired
function.
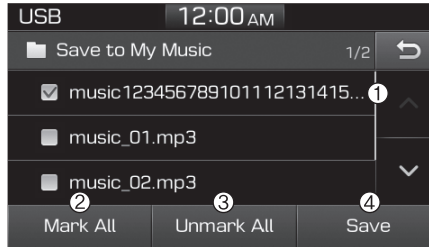
• Save to My Music: Songs on your
USB device can be saved to My
Music.

(1) File: Select a file to save.

(2) Mark All: Select all files.

(3) Unmark All: Deselect all files.

(4) Save: Save the selected file(s).

- Select the files you want to save,
and select [Save]. This saves the
selected files to My Music.

- Saving is canceled if phone calls
are received or made while saving.

- Up to 6,000 files can be saved.

- The currently playing file on the
USB device cannot be changed
while saving.

- My Music cannot be used while
saving.

- Up to 700 MB can be saved.

• Information: Detailed information
on the currently playing song is dis-
played.

• Sound Settings: Audio sound set-
tings can be changed.

✽ **NOTICE - Using an iPod®**

• **To use the audio system's iPod® control function, use the dedicated cable provided with your iPod®.**
• **Connecting the iPod® to the vehicle during play may result in a loud noise that lasts about one to two seconds. Connect the iPod® to the vehicle after stopping or pausing play.**
• **Connect the iPod® with the vehicle in the ACC ON state to begin charging.**
• **When connecting the iPod® cable, be sure to fully push the cable into the port.**
• **When EQ effects are enabled simultaneously on external devices, such as iPod®s and the audio system, the EQ effects may overlap, causing sound quality deterioration or distortion. Deactivate the EQ function for all external devices, if possible.**
• **Noise may occur when your iPod® or the AUX port is connected. Disconnect and store separately when not in use.**

(Continued)

(Continued)
• **There may be noise if the audio system is used with an iPod® or AUX external device connected to the power jack. In these cases, disconnect the iPod® or external device from the power jack.**
• **Play may be interrupted, or device malfunctions may occur depending on the characteristics of your iPod®/iPhone®.**
• **Play may fail if your iPhone® is connected through both Bluetooth® and USB. In this case, select Dock connector or Bluetooth® on your iPhone® to change the sound output settings.**
• **If your software version does not support the communication protocol or your iPod® is not recognized due to device failure, anomalies or defects, iPod® mode cannot be used.**
• **iPod® nano (5th generation) devices may not be recognized if the battery is low. Charge sufficiently before use.**

(Continued)

(Continued)
• **The search and song play order in the iPod® device may be different from the search order in the audio system.**
• **If the iPod® has failed due to an internal defect, please reset the iPod® (consult your iPod® manual).**
• **Depending on the software version, the iPod® may fail to sync with the system. If the media is removed or disconnected before recognition, the previous mode may not be restored (iPad® cannot be charged).**
• **Cables other than the 1-meter cable provided with iPod®/iPhone® products may not be recognized.**
• **When other music apps are used on your iPod®, the system sync function may fail due to malfunction of the iPod® application.**

Audio system

iPod®
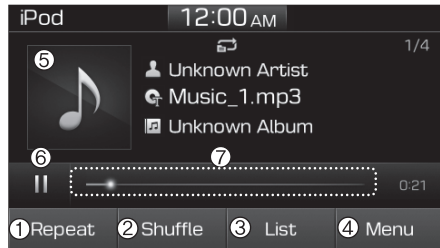
(1) Repeat
Enable/disable repeat play.

(2) Shuffle
Enable/disable shuffle play.

(3) List
View a list of all songs.

(4) Menu
Navigate to the menu screen.

(5) Album Image
View song info.

(6) Pause
Pause or play music.

(7) Playback progress
Select to skip to the desired location.

Playback
Connect your iPod® to the audio USB port, press the **[MEDIA]** button, and select [iPod].

Changing songs
Press the **[SEEK/TRACK]** button to play the previous or next song.

Press and hold the **[SEEK/TRACK]** button to rewind or fast forward the currently playing song.

Search songs by turning the **TUNE** knob, and press the knob to play.

Selecting songs from a list
Select [List] to see a list of songs available for play.

Select and play the desired song.

Repeat play
Select [Repeat] to enable or disable 'Repeat category', 'Repeat current song' play.

• 🔁 Repeat category: Repeat all songs in the current category.

• 🔂 Repeat current song: The currently playing song is repeated.

Shuffle play
Select [Shuffle] to enable or disable 'Shuffle category' play.

• 🔀 Shuffle category: Songs within the current category are played in random order.

Menu
Select [Menu], and select the desired function.

• Information: Detailed info on the currently playing song is displayed.

• Sound Settings: Audio sound settings can be changed.

Audio system

When other music programs are running
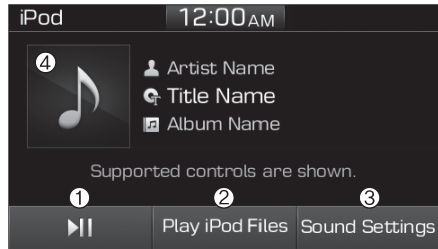
When songs saved on your iPod®
are playing through a separate music
app, the following screen is dis-
played.

(1) Play/Pause: Pause or play music.

(2) Play iPod Files: Play music saved
on your iPod®.

(3) Sound Settings: Audio sound set-
tings can be changed.

(4) Album Image: View playback info.

Play iPod Files

Select [Play iPod Files] to play songs
saved on your iPod®.
If there are no songs saved on your
iPod®, the [Play iPod Files] is dis-
abled.

✽ **NOTICE**

Operation cannot be carried out
correctly due to iPod® application
malfunction.

✽ **NOTICE - Using Bluetooth®
(BT) Audio**

• **Bluetooth® Audio mode can only
be used if a Bluetooth®-enabled
phone is connected. Only devices
that support Bluetooth® audio can
be used.**
• **If the Bluetooth®-enabled phone is
disconnected during play, the
music stops.**
• **When the TRACK UP/DOWN
buttons are used during Bluetooth®
audio streaming, a popping noise
or sound interruptions may occur,
depending on the cell phone device.**
• **Depending on the cell phone
model, the audio streaming func-
tion may not be supported.**
• **If a phone call is made or received
when music is playing in
Bluetooth® Audio mode, the call
may mix with the music.**
• **When returning to Bluetooth®
Audio mode after ending a call,
play might not resume automati-
cally for some cell phone models.**

Audio system

CAUTION

• **Bluetooth® Handsfree is a feature that enables drivers to practice safe driving. Connecting the car audio system with a Bluetooth® phone allows the user to convenient-ly make calls, receive calls, and manage the phone book. Before using the Bluetooth®, carefully read the contents of this user's manual.**

• **Excessive use or operations while driving may lead to negligent driving practices and be the cause of accidents.**

• **Do not operate the device excessively while driving.**

• **Viewing the screen for prolonged periods of time is dangerous and may lead to accidents.**

• **When driving, view the screen only for short periods of time.**

Bluetooth® (BT) Audio
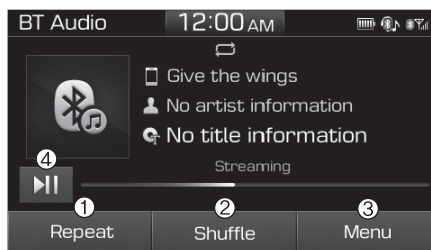
(1) Repeat
Enable/disable repeat play.

(2) Shuffle
Enable/disable shuffle play.

(3) Menu
Navigate to the menu screen.

(4) Play/Pause
Pause or play music.

✱ NOTICE

• **Some cell phone models may not support particular functions.**
• **Bluetooth® audio volume is synced with cell phone media volume.**

Playback
Press the **[MEDIA]** button, and select [BT Audio].

Changing songs
Press the **[SEEK/TRACK]** button to play the previous or next song.

✱ NOTICE

Some cell phones may not support this function.

Repeat play

Select [Repeat] to enable or disable 'Repeat all', 'Repeat current song' or 'Repeat category' play.

• ▢ Repeat all: All songs in the playlist are repeated.

• ▢ Repeat current song: The currently playing song is repeated.

• ▢ Repeat category: Repeat all songs in the current category.

✽ **NOTICE**

The repeat play function is engaged, depending on the operation of the connected Bluetooth® device.

Shuffle play

Select [Shuffle] to enable or disable 'Shuffle', 'Shuffle category' play.

• ▢ Shuffle: Songs are played in random order.

• ▢ Shuffle category: Songs within the current category are played in random order.

✽ **NOTICE**

The shuffle function is engaged, depending on the operation of the connected Bluetooth® device.

Menu

Select [Menu], and select the desired function.

• Connections: The currently connected Bluetooth® device can be changed.

• Information: Detailed information on the currently playing song is displayed.

• Sound Settings: Audio sound settings can be changed.

AUX

Running AUX

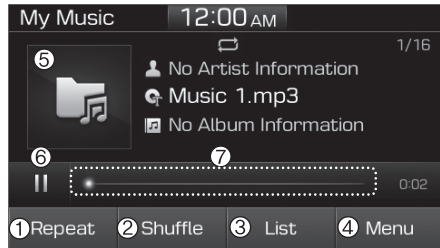Press the **[MEDIA]** button, and select [AUX].
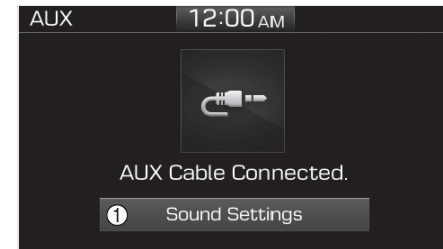
Connect the external device connection jack to the AUX terminal to run AUX.

(1) Sound Settings: Audio sound settings can be changed.

Audio system

My Music

My Music   12:00 AM
                              1/16
⑤   No Artist Information
     Music 1.mp3
     No Album Information
⑥   ⑦
❚❚ [   ] 0:02
①Repeat ②Shuffle ③ List   ④ Menu

(1) Repeat
Enable/disable repeat play.

(2) Shuffle
Enable/disable shuffle play.

(3) List
View a list of all songs.

(4) Menu
Navigate to the menu screen.

(5) Album Image
View song info.

(6) Pause
Pause or play music.

(7) Playback progress
Select to skip to the desired location.

Playback
Press the **[MEDIA]** button, and select [My Music].
• My Music cannot be selected if it does not contain music.
• Check the content of your USB drive before saving music to My Music.

Changing songs
Press the **[SEEK/TRACK]** button to play the previous or next song.
Press and hold the **[SEEK/TRACK]** button to rewind or fast forward the currently playing song.
Search songs by turning the **TUNE** knob and press the knob to play.

Selecting songs from a list
Select [List] to see a list of songs available for play.

My Music   12:00 AM
     List   1/2   ↩
     File
     Playlist
     Artists
     Songs
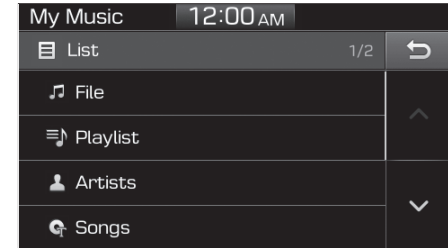
Select and play the desired song.

Repeat play
Select [Repeat] to enable or disable 'Repeat all', 'Repeat current song' or 'Repeat category' play.
• Repeat all: All songs in the playlist are repeated.
• Repeat current song: The currently playing song is repeated.
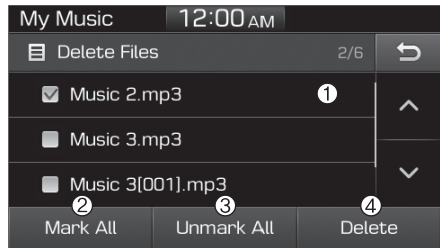• Repeat category: Repeat all songs in the current category.

Shuffle play

Select [Shuffle] to enable or disable 'Shuffle', 'Shuffle category' play.

• ⤬ Shuffle: Songs are played in random order.

• ⤬ Shuffle category: Songs within the current category are played in random order.

Menu

Select [Menu], and select the desired function.

• Delete Files: You can delete files from My Music.

(1) File: Select saved file.

(2) Mark All: Select all files.

(3) Unmark All: Deselect all files.

(4) Delete: Delete the selected file(s).
- Select the file to delete, then select [Delete] to delete it.

• Add to Playlist: Frequently played songs can be paired in a [Playlist].
- Songs can be played from the [Playlist].

• Information: Detailed info on the currently playing song is displayed.

• Sound Settings: Audio sound settings can be changed.

Delete from Playlist

When a song in the playlist is playing, select [Menu] and select [Delete from Playlist].

Select the song to delete, then select [Delete].

Phone

✷ **NOTICE** - **Using Bluetooth®**
(BT) Phone

• **Bluetooth® is a near-field wireless networking technology that uses the 2.4 GHz frequency to connect various devices within a certain distance wirelessly.**

• **The technology is used in PCs, peripherals, Bluetooth® phones, tablet PCs, household appliances and automobiles. Devices supporting Bluetooth® can exchange data at high speeds without physical cable connections.**

• **Bluetooth® Handsfree devices enable convenient access to phone functions through cell phones equipped with Bluetooth®.**

• **Some Bluetooth® devices may not be supported by the Bluetooth® Handsfree function.**

(Continued)

Audio system

(Continued)
• **When Bluetooth® is connected and calls are attempted through a connected cell phone from outside the vehicle, the call is connected through the Bluetooth® Handsfree function of the vehicle.**
• **Please be sure to disconnect the Bluetooth® Handsfree function through your Bluetooth® device or the audio screen.**

Safety precautions
• The Bluetooth® Handsfree function helps drivers to drive safely. By connecting a Bluetooth®-enabled phone to the vehicle's audio system, phone calls can be made and received through the audio system and contacts can be managed. Consult the user manual before use.
• Excessive manipulation of controls while driving, making it difficult to pay attention to the road ahead, can lead to accidents. Do not operate the device excessively while driving.
• Looking at the screen for a prolonged time increases the risk of accidents. Keep time spent looking at the screen to a minimum.

Precautions when connecting Bluetooth® devices
• The vehicle supports the following Bluetooth® functions. Some Bluetooth® devices may not support some functions.
  1) Bluetooth® Handsfree phone calls
  2) Operations during a call (Private, Switch, Mic Vol. controls)
  3) Download call history saved to the Bluetooth® device
  4) Download contacts saved to the Bluetooth® device
  5) Automatic contacts/call history download when Bluetooth® is connected
  6) Automatic Bluetooth® device connection when the vehicle is started
  7) Bluetooth® audio streaming playback
• Before connecting the audio system to your device, make sure your device supports Bluetooth®.

• Even if your device supports Bluetooth®, a Bluetooth® connection cannot be established if the device's Bluetooth® function is switched off. Search and connect with the Bluetooth® function enabled.

• Pair or connect Bluetooth® devices to the audio system with the vehicle at a standstill.

• If a Bluetooth® connection is lost due to abnormal conditions while a Bluetooth® device is connected (communication range exceeded, device power OFF, communication errors, etc.), the disconnected Bluetooth® device is searched for and automatically reconnected.

• If you want to disable the Bluetooth® device auto-connect function, turn the Bluetooth® function OFF on your device. Consult the user manuals for individual devices to see whether Bluetooth® is supported.

• Handsfree call quality and volume may vary depending on the type of Bluetooth® device.

• Some Bluetooth® devices are subject to intermittent Bluetooth® connection failures. In this case, use the following method.

1) Turn the Bluetooth® function off on your Bluetooth® device ➟ Turn it on and try again.

2) Delete the paired device from both the audio system and Bluetooth® device, then pair again.

3) Power down your Bluetooth® device ➟ Turn it on and try again.

4) Completely remove the battery from your Bluetooth® device; reinsert it, reboot, and attempt connection.

5) Restart the vehicle and reattempt connection.

Pairing a Bluetooth® device

Information on pairing Bluetooth® devices

• Pairing refers to the process of pairing Bluetooth® cell phones or devices with the system prior to connection. This is a necessary procedure for Bluetooth® connection and usage.

• Up to five devices can be paired.

• Pairing Bluetooth® device is not allowed while vehicle is moving.

Pairing the first Bluetooth® device

Press the **[PHONE]** button on the audio system or the **[CALL]** button on the steering wheel remote control ➟ Search for the vehicle from the Bluetooth® device, and pair ➟ Enter the passkey on the Bluetooth® device or approve passkey ➟ Bluetooth® pairing completed.

1. When the **[PHONE]** button on the audio or the **[CALL]** button on the steering wheel remote control is pressed, the following screen is displayed. Devices can now be paired.
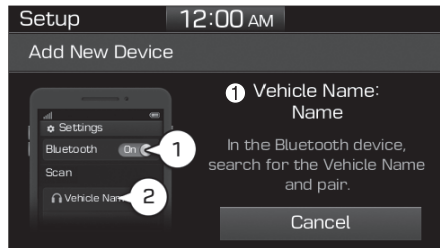
(1) Vehicle Name: Searched name in Bluetooth® device.

✽ **NOTICE**
The vehicle name in the image above is an example. Refer to your device for the actual name of your device.

2. Search for available Bluetooth® devices in the Bluetooth® menu of your Bluetooth® device (cell phone, etc.).
3. Confirm that the vehicle name in your Bluetooth® device matches the vehicle name shown on the audio screen, then select it.
4-1. For devices that require passkey entry, a passkey entry screen is shown on your Bluetooth® device.
- Enter the passkey '0000', in your Bluetooth® device.

4-2. For devices that require passkey confirmation, the following screen is shown on the audio system. A 6-digit passkey input screen is shown in the Bluetooth® device.
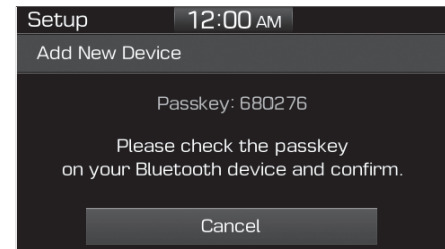

- After confirming that the 6-digit passkey on the audio screen and the Bluetooth® device are identical, select [OK] in your Bluetooth® device.

✽ **NOTICE**
The 6-digit passkey in the image above is an example. Refer to your vehicle for the actual passkey.

Pairing a second Bluetooth® device

Press the **[SETUP]** button on the audio system ➟ Select [Bluetooth] ➟ Select [Connections] ➟ Select [Add New].

Setup   12:00 AM

Connections

▶ Bluetooth Phone
   Bluetooth Phone

Add New   Delete
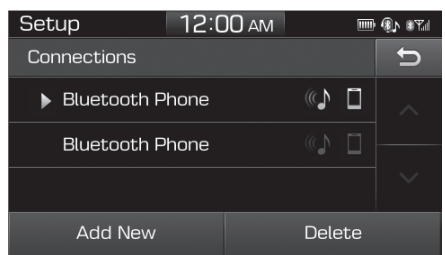
- The pairing procedure from this point is identical to [Pairing the first Bluetooth device].

✽ **NOTICE**

- **Bluetooth® standby mode lasts for three minutes. If a device is not paired within three minutes, pairing is canceled. Start over from the beginning.**
- **For most Bluetooth® devices, a connection is established automatically after pairing. Some devices, however, require separate confirmation when connecting after pairing. Be sure to check your Bluetooth® device after pairing to confirm that it has connected.**

Connecting Bluetooth® devices

**If there are no connected devices**

Press the **[PHONE]** button on the audio system or the **[CALL]** button in the steering wheel remote control ➟ List of paired Bluetooth® devices ➟ Select the desired Bluetooth® device from the list ➟ Connect Bluetooth®.

Phone   12:00 AM

Connections

Bluetooth Phone
Bluetooth Phone

Add New   Delete
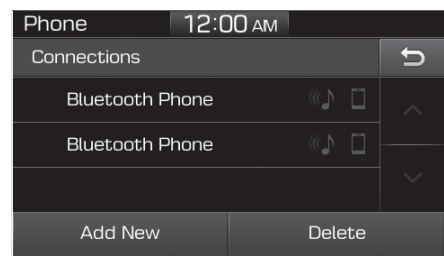
Audio system

If there are connected devices

Press the **[PHONE]** button on the audio system ➟ Select [Settings] ➟ Select [Connections] ➟ Select Bluetooth**®** device to connect ➟ Select [Connect] ➟ Connect Bluetooth**®**.
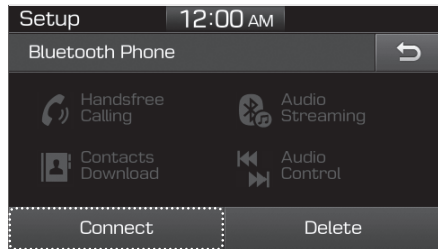
✽ **NOTICE**
• **Only one Bluetooth® device can be connected at a time.**
• **When a Bluetooth® device is connected, other devices cannot be paired.**

Accepting/rejecting phone calls

Receiving phone calls with Bluetooth**®** connected.
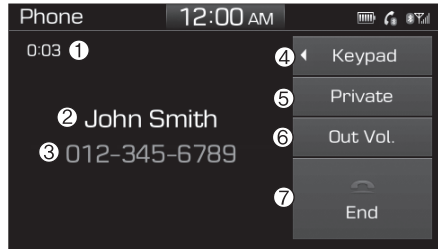

(1) Caller name: If the caller number is in your contacts, the corresponding name is displayed.

(2) Incoming phone number: Incoming phone number is displayed.

(3) Accept: Accept call.

(4) Reject: Reject call.

✽ **NOTICE**
• **When the incoming call screen is displayed, audio mode and the settings screen cannot be shown. Only call volume control is supported.**
• **Some Bluetooth® devices may not support the call reject function.**
• **Some Bluetooth® devices may not support the phone number display function.**

Operation during calls

Incoming call with Bluetooth® con-
nected ➟ Select [Accept].

(1) Call duration: Call duration display.

(2) Caller name: If the caller number is
in your contacts, the corresponding
name is displayed.

(3) Incoming phone number: Incoming
phone number is displayed.

(4) Keypad: Number keypad for
Automatic Response Service input
is displayed.

(5) Private: Call is transferred to a cell
phone.

(6) Outgoing Volume:Adjust outgoing
voice volume.

(7) End: End call.

✽ **NOTICE**
• **Some Bluetooth® devices may not
  support the Private function.**
• **The outgoing voice volume may
  vary depending on the type of
  Bluetooth® device. If the outgoing
  voice volume is too high or low,
  adjust the Outgoing Volume.**

Favorites

Press the **[PHONE]** button on the
audio system ➟ Select [Favorites] ➟
Favorites list displayed.
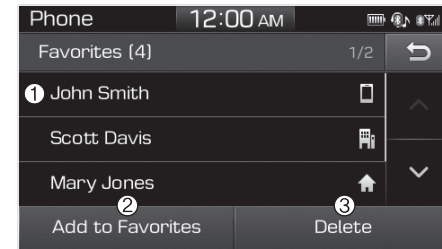
(1) Favorites list: A list of paired
favorites is displayed.

Connect a call when selected.

(2) Add to Favorites: Add a down-
loaded phone number to favorites.

(3) Delete: Delete a saved favorite.

Audio system

✽ **NOTICE**

• **Up to 20 favorites can be paired for each paired Bluetooth® device.**
• **Favorites can be accessed when the Bluetooth® device they were paired from is connected.**
• **The audio system does not download favorites from Bluetooth® devices. Favorites must be newly saved before use.**
• **To add to favorites, contacts must be downloaded first.**
• **Saved favorites are not updated even if the contacts of the connected Bluetooth® device are changed. In this case, favorites need to be deleted and added again.**

Call History

Press the **[PHONE]** button on the audio system ➟ Select [Call History] ➟ Call history is displayed.
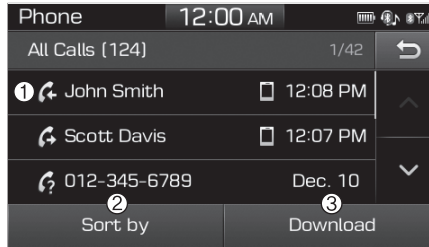
(1) Call History: Display the downloaded call history list.

Connect a call when selected.

(2) Sort by: Sort by All Calls, Dialed Calls, Received Calls or Missed Calls.

(3) Download: Download call history from connected Bluetooth® devices.

✽ **NOTICE**

• **Up to 50 dialed, received and missed calls are saved.**
• **When the latest call history is received, the existing call history is deleted.**

Contacts

Press the **[PHONE]** button on the audio system ➟ Select [Contacts] ➟ Select letter (ABC) ➟ Contacts displayed.
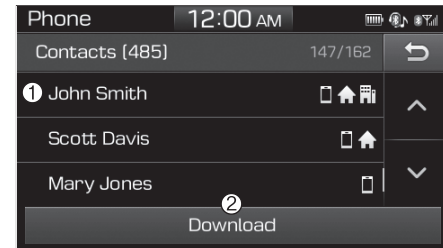

(1) Contacts: Display downloaded contacts.

Connect a call when selected.

(2) Download: Download contacts from connected Bluetooth® devices.

✽ NOTICE

- **Up to 2,000 contacts can be saved.**
- **In some cases, additional confir-mation from your Bluetooth® device is necessary when down-loading contacts. If downloading of contacts unsuccessful, consult your Bluetooth® device's settings or the audio screen to approve the download.**
- **Contacts without phone numbers are not displayed.**

Dial

Press the **[PHONE]** button on the audio ➟ Select [Dial].
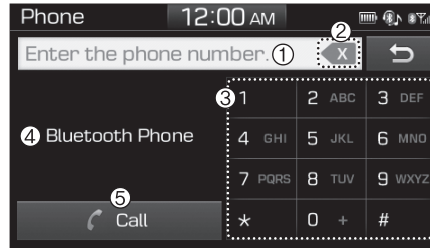
(1) Phone number entry window: The phone number entered using the keypad is displayed.

(2) Clear

- Shortly press to delete individual digits.

- Press and hold to delete the entire phone number.

(3) Keypad: Enter phone number.

(4) Bluetooth® Phone name

- The name of the connected Bluetooth® device is displayed.

- Contacts matching the keypad number/letter input are displayed.

(5) Call

- Enter and select a phone num-ber to call.

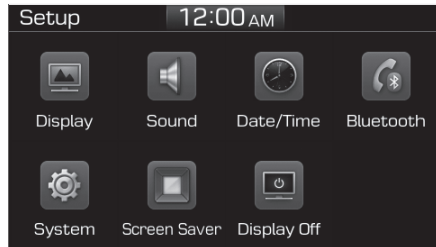- Select without entering a phone number to see the most recent dialed call.

Settings

Press the **[PHONE]** button on the audio ➟ Select [Settings].

- For phone Setup, refer to Setup page ➟ Select [Bluetooth].

Audio system

Setup

Access Display, Sound, Date/Time, Bluetooth, System, Screen Saver and Display Off settings.

Press the **[SETUP]** button on the audio system.

Display

Press the **[SETUP]** button on the audio system ➥ Select [Display].

• Mode: Audio screen brightness can be adjusted to the time of day.

• Illumination: The brightness of the audio screen can be changed.

• Text Scroll: If text is too long to be displayed on the screen, enable the text scroll function.

Sound

Press the **[SETUP]** button on the audio system ➥ Select [Sound].

• Position: Sound balance and panning can be adjusted.

• Tone: Sound tone color can be adjusted.

• Back-up Warning Priority:

  - Automatically lower audio volume while reversing.

  - Control the audio volume level automatically in R-Position.

    If volume level over "5 level" then down to "5 level".

    If volume level under "5 level" then maintain the volume level.

    Return the volume level when R-Position was cancelled.

    In R-Positon, if driver change the volume level then volume changed.

    Apply the volume control option "On/Off" in "Setup": Default is "On".

• Speed dependent volume: Automatically adjust volume based on vehicle speed.

• Beep: Select whether to play a beep sound when the screen is touched.

Date/Time

Press the **[SETUP]** button on the audio system ➥ Select [Date/Time].

• Set Time: Set the time displayed on the audio screen.

• Time Format: Choose between 12-hour and 24-hour time formats.

• Set Date: Set the date displayed on the audio screen.

Bluetooth

Press the **[SETUP]** button on the audio system ➟ Select [Bluetooth].

• Connections: Control pairing, deletion, connection and disconnection of Bluetooth® devices.

• Auto Connection Priority: Set the connection priority of Bluetooth® devices when the vehicle is started.

• Download Contacts: Contacts can be downloaded from connected Bluetooth® devices.

✽ NOTICE

• **When paired devices are deleted, the call history and contacts of the device saved to the audio system are deleted.**

• **For Bluetooth® connections with low connection priority, some time may be required for the connection to be established.**

• **Contacts can be downloaded only from the currently connected Bluetooth® device.**

• **If no Bluetooth® device is connected, the Download Contacts button is disabled.**

System

Press the **[SETUP]** button on the audio system ➟ Select [System].

• Memory Information: View My Music memory usage.

• Language: Change the user language.

• Default: Reset the audio system.

✽ NOTICE

The system resets to the default values, and all saved data and settings are lost.

Screen Saver

Set the information displayed when the audio system is switched off or the screen is turned off.

Press the **[SETUP]** button on the audio system ➟ Select [Screen Saver].

• Analog: An analog clock is displayed.

• Digital: A digital clock is displayed.

• None: No information is displayed.

Display Off

To prevent glare, the screen can be turned off with the audio system in operation.

Press the **[SETUP]** button on the audio system ➟ Select [Display Off].

✽ NOTICE

Use 'Screen Saver' to set the information to be displayed when the screen is turned off.

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 ormore 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 ormodifications 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 the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.