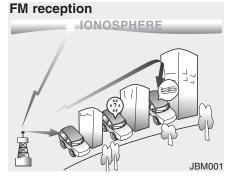
Features of your vehicle

Model: AC110F6GG

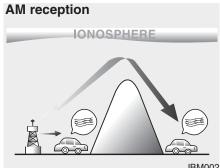


How vehicle audio works

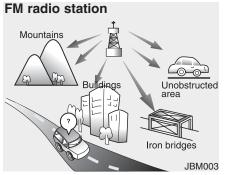
AM and FM radio signals are broadcast from transmitter towers located around your city. They are intercepted by the radio antenna on your vehicle. This signal is then processed by the radio and sent to your vehicle speakers.

When a strong radio signal has reached your vehicle, the precise engineering of your audio system ensures the best possible quality reproduction. However, in some cases the signal coming to your vehicle may not be strong and clear.

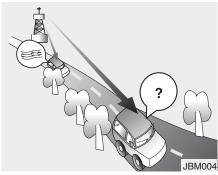
This can be due to factors, such as the distance from the radio station, closeness of other strong radio stations or the presence of buildings, bridges or other large obstructions in the area.



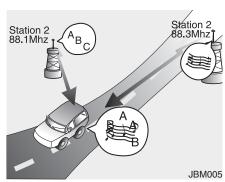
AM broadcasts can be received at greater distances than FM broadcasts. This is because AM radio waves are transmitted at low frequencies. These long distance,low frequency radio waves can follow the curvature of the earth rather than travelling straight. In addition, they curve around obstructions resulting in better signal coverage.



FM broadcasts are transmitted at high frequencies and do not bend to follow the earth's surface. Because of this, FM broadcasts generally begin to fade within short distances from the station. short distances from the station. Also, FM signals are easily affected by buildings, mountains, and obstructions. This can lead to undesirable or unpleasant listening conditions which might lead you to believe a problem exists with your radio. The following conditions are normal and do not indicate radio trouble:



- Fading As your vehicle moves away from the radio station, the signal will weaken and sound will begin to fade. When this occurs, we suggest that you select another stronger station.
- Flutter/Static Weak FM signals or large obstructions between the transmitter and your radio can disturb the signal causing static or fluttering noises to occur. Reducing the treble level may lessen this effect until the disturbance clears.



- Station Swapping As an FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the clearest signal. If this occurs, select another station with a stronger signal.
- Multi-Path Cancellation Radio signals being received from several directions can cause distortion or fluttering. This can be caused by a direct and reflected signal from the same station, or by signals from two stations with close frequencies. If this occurs, select another station until the condition has passed.

Using a cellular phone or a two-way radio

When a cellular phone is used inside the vehicle, noise may be produced from the audio system. This does not mean that something is wrong with the audio equipment. In such a case, try to operate mobile devices as far from the audio equipment as possible.

⚠ CAUTION

When using a communication system such as a cellular phone or a radio set inside the vehicle, a separate external antenna must be fitted. When a cellular phone or a radio set is used with an internal antenna alone, it may interfere with the vehicle's electrical system and adversely affect safe operation of the vehicle.

WARNING

Do not use a cellular phone while driving. Stop at a safe location to use a cellular phone.

Caring for disc

- If the temperature inside the car is too high, open the car windows to ventilate before using the system.
- It is illegal to copy and use MP3/WMA files without permission. Use CDs that are created only by lawful means.
- Do not apply volatile agents, such as benzene and thinner, normal cleaners and magnetic sprays made for analogue disc onto CDs.
- To prevent the disc surface from getting damaged, hold CDs by the edges or the center hole only.
- Clean the disc surface with a piece of soft cloth before playback (wipe it from the center to the outside edge).
- Do not damage the disc surface or attach pieces of sticky tape or paper.
- Make certain only CDs are inserted into the CD player (Do not insert more than one CD at a time).
- Keep CDs in their cases after use to protect them from scratches or dirt.

 Depending on the type of CD-R/CD-RW CDs, certain CDs may not operate normally according to the manufacturing companies. In such circumstances, continued use may cause malfunctions to your audio system.

* NOTICE

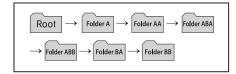
- Playing an Incompatible Copy Protected Audio CD

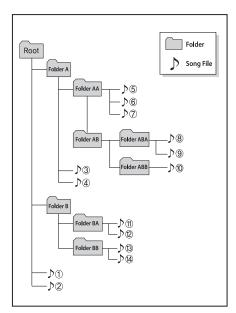
Some copy protected CDs, which do not comply with international audio CD standards (Red Book), may not play on your car audio. Please note that inabilities to properly play a copy protected CD may indicate that the CD is defective, not the CD player.

NOTE:

Order of playing files (folders):

- 1. Song playing order : ① to @ sequentially.
- 2. Folder playing order:
- * If no song file is contained in the folder, that folder is not displayed.





A WARNING

- 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)

- 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
 - 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 parkingrestricted 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.

⚠ 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)

- 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.

* NOTICE - USING THE DISCS

- This device has been manufactured to be compatible with software bearing the following logo marks.
- Do not clean discs with chemical solutions, such as record sprays, antistatic sprays, antistatic liquids, benzene, or thinners.
- After using a disc, put the disc back in its original case to prevent disc scratches.
- Hold discs by their edges or within the center hole to prevent damages to disc surfaces.
- Do not introduce foreign substances into the disc insert/eject slot. Introducing foreign substances could damage the device interior.
- Do not insert two discs simultaneously.
- When using CD-R/CD-RW discs, differences in disc reading and playing times may occur depending on the disc manufacturer, production method and the recording method as used by the user.

(Continued)

(Continued)

- Clean fingerprints and dust off the disc surface (coated side) with a soft cloth.
- The use of CD-R/CD-RW discs attached with labels may result in disc slot jams or difficulties in disc removal. Such discs may also result in noise while playing.
- Some CD-R/CD-RW discs may not properly operate depending on the disc manufacturer, production method and the record method as used by the user. If problems persist, trying using a different CD as continued use may result in malfunctions.
- The performance of this product may differ depending on the CD-RW Drive Software.
- Copy-protected CDs such as S-type CDs may not function in the device. DATA discs cannot be played. (However, such discs may still operate but will do so abnormally.)

(Continued)

- Do not use abnormally shaped discs (8cm, heart-shaped, octagonshaped) as such discs could lead to malfunctions.
- If the disc is straddled on the disc slot without removal for 10 seconds, the disc will automatically be reinserted into the disc player.
- Only genuine audio CDs are supported. Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)

* NOTICE - USING THE USB DEVICE

- 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.
- Heed caution to 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 device may not properly recognize the USB is in some states.
- 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 with 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 in the USB. Such differences in time are not indications of malfunctions.
- The device only supports USB devices used to play music files.
- USB images and videos are not supported.

(Continued)

- Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened performance or damage to the device.
- The device may not recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal 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 to the USBs.
- The device 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 device.

(Continued)

- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type besides (Metal Cover Type) USB Memory.
- The device may not support normal operation when using formats such as HDD Type, CF, or SD Memory.
- The device will not support files locked by DRM (Digital Rights Management.)
- USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly 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.
- USB memory without the certification mark may not be recognized.

* NOTICE - USING THE iPod® DEVICE

- iPod® is a registered trademark of Apple Inc.
- In order to use the iPod® while operating the keys, 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.
- During ACC ON state, 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 upon use by connecting with 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[®]/Phone device.

(Continued)

(Continued)

- If your iPhone is connected to both the *Bluetooth*® Wireless Technology and USB, the sound may not be properly played. In your iPhone, select the Dock connector or *Bluetooth*® Wireless Technology to change the sound output (source).
- iPod[®] mode cannot be operated when the iPod[®] cannot be recognized due to versions that do not support communication protocols.
- For fifth generation iPod® Nano devices, the iPod® may not be recognized when the battery level is low. Please charge the iPod® for use.
- Search/play orders shown within the iPod® device may differ with 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)

- Some iPods may not sync with the System depending on its 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.)
- Beside support 1M cable when purchasing iPod/iPhone products, Long Cable cannot be recognized.

* NOTICE - USING THE Bluetooth® Wireless Technology AUDIO MODE

- Bluetooth® Wireless Technology Audio Mode can be used only when a Bluetooth® Wireless Technology phone has been connected.
- Bluetooth® Wireless Technology Audio Mode will not be available when connecting mobile phones that do not support this feature.
- While Bluetooth® Wireless Technology Audio is playing, if the Bluetooth® Wireless Technology phone is connected, then the music will also stop.
- Moving the Track up/down while playing Bluetooth® Wireless Technology audio mode may result in pop noises in some mobile phones.
- Bluetooth® Wireless Technology streaming audio may not be supported in some mobile phones.
- When returning to Bluetooth® Wireless Technology 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® Wireless Technology Audio may result in audio interference.

* NOTIC - USING UPON CON-NECTING Bluetooth® Wireless Technology PHONE

- Before connecting the car audio system with the mobile phone, check to see that the mobile phone supports Bluetooth® Wireless Technology features.
- Even if the phone supports Bluetooth®
 Wireless Technology, the phone will
 not be found during device searches if
 the phone has been set to hidden state
 or the Bluetooth® Wireless Technology
 power is turned off. Disable the hidden state or turn on the Bluetooth®
 Wireless Technology power prior to
 searching/connecting with the car
 audio system.
- If you do not want to automatically connect your Bluetooth® Wireless Technology phone, try the following.
 - 1. Turn off the *Bluetooth*® feature in your mobile phone.
 - For more information on Bluetooth®
 Wireless Technology features within
 your mobile, refer to your mobile
 phone user's manual.
 - 2. Turn off the *Bluetooth*® Wireless Technology feature in your car audio system.

(Continued)

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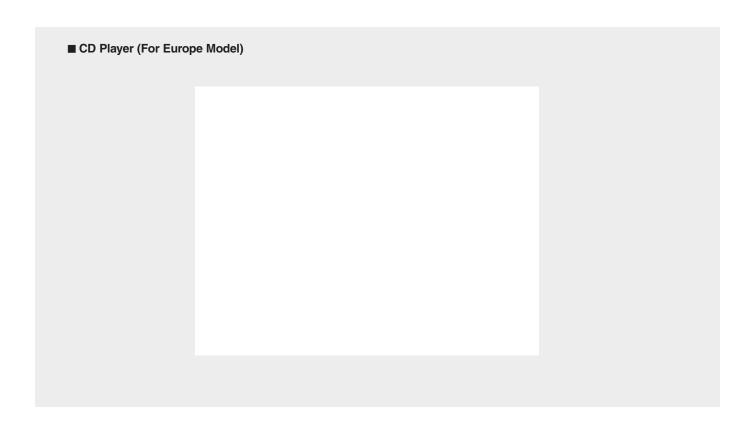
- To turn off the Bluetooth® Wireless Technology feature in your car audio system, go to SETUP > [Phone] and [turn off] the Bluetooth® Wireless Technology feature.
- Park the vehicle when connecting the car audio system with your mobile phone.
- Bluetooth® Wireless Technology connection may become intermittently disconnected in some mobile phones. Follow these steps to try again.
 - 1. Turn the Bluetooth® Wireless Technology function within the mobile phone off/on and try again.
 - 2. Turn the mobile phone power Off/On and try again.
 - 3. Completely remove the mobile phone battery, reboot, and then again.
 - 4. Reboot the audio system and try again.
 - 5. Delete all paired devices, pair and try again.
- The Handsfree call volume and quality may differ depending on the mobile phone.

(Continued)

(Continued)

- Bluetooth® Wireless Technology features supported within the vehicle are as follows. Some features may not be supported depending on your Bluetooth® Wireless Technologydevice.
 - Answering and placing Bluetooth®
 Wireless Technology Handsfree calls
 - Menu operation during call (Switch to Private, Switch to call waiting, Outgoing volume)
 - Download Call History
 - Download Mobile Phone book
- Phone book/Call History Auto Download
- It is possible to pair up to five Bluetooth® Wireless Technology devices to the car system.
- Only one *Bluetooth®* Wireless Technology device can be connected at a time.
- Other devices cannot be paired while a Bluetooth® Wireless Technologydevice is already connected.
- When a Bluetooth® Wireless Technology device is being connected, the connection process cannot be canceled.
- Only Bluetooth® Wireless Technology Handsfree and Bluetooth® Wireless Technology audio related features will operate within this system.

- Normal operation is possible only for devices that support Handsfree or audio features, such as a Bluetooth® Wireless Technology mobile phone or a Bluetooth® Wireless Technology audio device
- Only one function can be used at a time between the *Bluetooth*® Wireless Technology Handsfree and *Bluetooth*® Wireless Technology audio. (While playing *Bluetooth*® Wireless Technology audio, streaming will end upon entering the *Bluetooth*® Wireless Technology phone screen.)
- If a connected *Bluetooth*® Wireless Technology device becomes disconnected for various reasons, such as being out of range, turning the device OFF, or a *Bluetooth*® Wireless Technology communication error, *Bluetooth*® Wireless Technology devices are automatically searched and connected.
- Bluetooth® Handsfree is a feature that enables drivers to practice safe driving. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make calls, receive calls, and manage the phone book. Before using the Bluetooth®, carefully read the contents of this user's manual.



COMPONENT NAMES AND FUNCTIONS

Head Unit

(2) RADIO

- · Converts to Radio (FM, AM) mode.
- Each time this key is pressed, the mode is changed in order of FM1 → FM2 → FMA → AM → AMA.

(3) MEDIA

- Starts Media mode.
- Each time this key is pressed, the mode is changed in order of CD, USB(iPod®), AUX, My Music, BT Audio.

(4)

· Converts to Phone mode.

(5)

- Displays the time/date/day.
- Press and hold the key (over 0.8 seconds)to setting the Clock/Calendar screen.

(6) PWR/VOL knob

- PWR : Press to turn power on/off.
- OVOL : Turn left/right to control volume.

(7) ~ 揺続へ

- When pressed shortly (under 0.8 seconds).
 - Radio mode : plays previous/next frequency.
 - CD, USB, iPod®, My Music mode : changes the track or file.
- When pressed and held (over 0.8 seconds).
 - Radio mode: continuously changes the frequency until the key is released and plays the current frequency.
 - CD, USB, iPod®, My Music mode: rewinds or fast forwards the track or file.
 - During a Handsfree call, controls the call volume.

(1) **___** (EJECT)

- Press to insert or eject disc.
- When press and held(3 seconds) : energency eject.

(10)

• Converts to Setup mode.

(11) MENU

Displays supported menus within each mode.

(12) \squareFOLDER \square

• MP3 CD, USB mode : Folder Search

(13) TUNE knob

- · Radio mode
 - Turns to change broadcast frequencies.
- CD, USB, iPod® mode
 - Turns to search tracks/channels/ files.

(14) 1 ~ 6 (Preset)

- Radio mode
 - Saves a frequency or receives saved frequencies.
- MEDIA mode
 - Press the 1 RPT key to repeat and 2 RDM key to play in random order (shuffle).

(8)

Turns the monitor display on/off.

(9) TA/SCAN (For RDS Model)

- Radio mode
 - Shortly press the key (under 0.8 seconds) : TA On/Off
 - Press and hold the key (over 0.8 seconds): Previews each broadcast for 5 seconds each.
- CD, USB, My Music mode
 - Press and hold the key (over 0.8 seconds): Previews each song (file) for 10 seconds each.
- Press and holding the key again to continue listening to the current song(file).

■ CD Player (Except Europe Model)	

COMPONENT NAMES AND FUNCTIONS

Head Unit

(2) RADIO

- · Converts to Radio (FM, AM) mode.
- Each time this key is pressed, the mode is changed in order of FM1 → FM2 → AM.

(3) MEDIA

- Starts Media mode.
- Each time this key is pressed, the mode is changed in order of CD, USB(iPod®), AUX, My Music, BT Audio.

(4) PHONE

· Converts to Phone mode

(5) CLOCK

- Displays the time/date/day.
- Press and hold the key (over 0.8 seconds)to setting the Clock/Calendar screen.

(6) POWER/VOLUME knob

- POWER: Press to turn power on/off.
- VOLUME: Turn left/right to control volume.

(7) ~ 飛続へ

- When pressed shortly (under 0.8 seconds).
 - Radio mode : plays previous/next frequency.
 - CD, USB, iPod®, My Music mode : changes the track or file.
- When pressed and held (over 0.8 seconds).
 - Radio mode: continuously changes the frequency until the key is released and plays the current frequency.
 - CD, USB, iPod®, My Music mode: rewinds or fast forwards the track or file.

(1) (EJECT)

- Press to insert or eject disc.
- When press and held(3 seconds) : energency eject.

(10) SETUP

· Converts to Setup mode.

(11) MENU

Displays supported menus within each mode.

(12) ✓FOLDER∧

• MP3 CD, USB mode : Folder Search

(13) TUNE knob

- · Radio mode
 - Turn to change broadcast frequencies.
- CD, USB, iPod® mode
 - Turn to search tracks/channels/files.

(14) 1 ~ 6 (Preset)

- Radio mode
 - Saves a frequency or receives saved frequencies.
- MEDIA mode
 - Press the 1 PPT key to repeat and 2 PDM key to play in random order (shuffle).

(15) FM

- Changes to FM mode.
- Each time this key is pressed, the mode is changed in order of FM1 → FM2.

(16) AM

- · Changes to AM mode.
- Each time this key is pressed, the mode is changed in order of AM.

(8) DISP

Turns the monitor display on/off.

(9) SCAN

- Radio mode
 - Previews all receivable broadcasts for 5 seconds each.
- CD, USB, My Music mode
 - Previews each song (file) for 10 seconds each.

(17) MEDIA

- Starts Media mode.
- Each time this key is pressed, the mode is changed in order of CD, USB(iPod®), AUX.

- When pressed shortly (under 0.8 seconds).
 - Radio mode : plays previous/next frequency.
 - CD, USB, iPod® mode : changes the track, file.
- When pressed and held (over 0.8 seconds).
 - Radio mode: continuously changes the frequency until the key is released and plays the current frequency.
 - CD, USB, iPod® mode : rewinds or fast forwards the track or file.

(19) SCAN

- Radio mode
 - Previews all receivable broadcasts for 5 seconds each.
- CD, USB mode
 - Previews each song (file) for 10 seconds each.

Steering wheel remote controller (If equipped)

- (3) (If equipped)
- · When pressed shortly
 - Starts voice recognition
 - When selecting during a voice prompt, stops the prompt and converts to voice command waiting state
- When pressed and held (over 0.8 seconds)
 - Ends voice recognition

(4)

- · When pressed shortly.
 - When pressed in the phone screen, displays call history screen.
 - When pressed in the dial screen, makes a call.
- When pressed in the incoming call screen, answers the call.
- When pressed during call waiting, switches to waiting call (Call Waiting).

- When pressed and held (over 0.8 seconds).
 - When pressed in the Bluetooth® Wireless Technology Handsfree wait mode, redials the last call.
 - When pressed during a Bluetooth® Wireless Technology Handsfree call, switches call back to mobile phone (Private).
 - When pressed while calling on the mobile phone, switches call back to Bluetooth® Wireless Technology Handsfree (Operates only when Bluetooth® Wireless Technology Handsfree is connected).

(5)

· Ends phone call.

(1) VOLUME

• Used to control volume.

(2) MUTE

Mutes audio volume.

RADIO MODE (For Europe Model)

Basic Mode Screen





- (1) Mode Display
 Displays currently operating mode.
- (2) Frequency Displays the current frequency.
- (3) Preset
 Displays currently playing preset number
 [1] ~ [6].
- (4) MENU Displays Radio menus.
- (5) Preset Display Displays saved presets.
- (6) Auto Store Automatically saves frequencies with superior reception to Preset buttons.

(7) RDS MENU Displays the RDS Menu.

Switching to Radio Mode

Pressing the RADIO key will change the operating mode in order of FM1 → FM2 → FMA → AM → AMA



If [Pop-up Mode] is turned on within [Pop-up Mode] is turned on within [Pop-up Mode], then pressing the RADIO key will display the Radio mode pop up screen.

Use TUNE knob to move the focus.

Press the TUNE knob to select.

Searching Radio Frequencies

Using Seek

Press the YTRACK key to play the previous/next frequency.

Using TUNE

Turn the Tune knob to select the frequency.

Using Radio Mode

Selecting Presets





The 6 presets are displayed.

Press the 1 ~ 6 key to play the desired preset.

Saving Presets



After selecting the frequency ▶ Press and hold the desired preset 1 ~ 6 key.

A 'beep' will sound and the frequency is saved to the selected preset button.

Auto Store

After pressing the MENU key ► Select the button to automatically save receivable frequencies to Preset buttons. A total of 18 frequencies with six preset frequencies each for FM1 / FM2 / AM modes can be saved.

* NOTICE

While Auto Store is operating, selecting the button again will cancel the function and restore the previous frequency.

RDS Menu

Press the button to set the AF (Alternative Frequency), Region and News features.



* NOTICE

The RDS Menu is not supported within AM or AMA mode.

Scan

Press and hold the TASCAN key: The broacast frequency increases and previews each broacast for 5 seconds each. After scanning all frequencies, return and plays the current broacast frequency.

* NOTICE

Once scan is complete, the previous frequency will be restored.

While Scan is operating, pressing and holding the TAYSCAN key will cancel the scan operation.

AF (Alternative Frequency)

Press the MENU key Alternative Frequency through TUNE knob.

The Alternative Frequency option can be turnes On/Off.

Region

Press the MENU key Region through TUNE knob.

The Region option can be turnes On/Off.

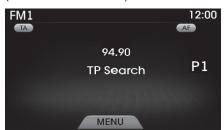
News

Press the MENU key News through TUNE knob.

The News option can be turnes On/Off.

TA (Traffic Announcement)

Press the TASCAN key to turn the TA (Traffic Announcement) feature On/Off.



RADIO MODE (Except Europe Model)

Basic Mode Screen





- (1) Mode Display
 Displays currently operating mode.
- (2) Frequency
 Displays the current frequency.
- (3) Preset
 Displays currently playing preset number
 [1] ~ [6].
- (4) MENU Displays Radio menus.
- (5) Preset Display Displays saved presets.
- (6) Auto store Automatically saves frequencies with superior reception to Preset buttons.

Switching to Radio Mode

Pressing the RADIO key will change the operating mode in order of FM1 → FM2 → AM.



If [Mode Pop up] is turned on within SETUP [Display], then pressing the FM, AM key will display the Radio mode pop up screen.

Use TUNE knob to move the focus. Press the TUNE knob to select.

Searching Radio Frequencies

Using Seek

Press the YTRACK key to play the previous/next frequency.

Using TUNE

Turn the Tune knob to select the frequency.

Using Radio Mode

Selecting Presets

Press the MENU key ▶ Select Preset





The 6 presets are displayed.

Press the 1 ~ 6 key to play the desired preset.

Saving Presets



After selecting the frequency ▶ Press and hold the desired preset 1 ~ 6 key. A 'beep' will sound and the frequency is saved to the selected preset button.

Auto Store

After pressing the MENU key ▶ Select the Auto store button to automatically save receivable frequencies to Preset buttons.

A total of 18 frequencies with six preset frequencies each for FM1 / FM2 / AM modes can be saved.

* NOTICE

While Auto Store is operating, selecting the Auto store button again will cancel the function and restore the previous frequency.

Scan

Press the SCAN key to scan all radio frequencies.

Press and hold the SCAN key (over 0.8 seconds) to scan preset buttons.

- Scan All :Scans frequencies with superior reception for 5 seconds each.
- Preset Scan: Scans broadcasts saved to presets for 5 seconds each.

Once scan is complete, the previously playing frequency is restored.

During Scan, pressing the SCAN key again will cancel the scan operation and restore the previously played frequency.

MEDIA MODE

Pressing the MEDIA key will change the operating mode in order of CD → USB(iPod®) → AUX → My Music → BT Audio.



Use TUNE knob to move the focus. Press the knob to select.

* NOTICE

- If the MEDIA key is pressed with the system power off, then the power will turn on and the most recently played media mode will be played. (Except Europe Model)
- The media mode pop up screen can be displayed only when there are two or more media modes turned on.

AUDIO CD MODE

Basic Mode Screen



<For Europe Model>



<Except Europe Model>

(1) Mode

Displays currently operating mode.

(2) Operation State

From Repeat / Shuffle / Scan, displays the currently operating function.

(3) Track Info

Displays information about the current track.

(4) Play State

Displays the play/pause state.

(5) Play Time

Displays the current play time.

(6) MENU

Displays the Audio CD Menu.

(7) Repeat

Turns the Repeat feature on/off.

(8) Shuffle

Turns the Shuffle feature on/off.

(9) List

Moves to the list screen.

(10) Info

Shows detailed information about the current track.

Using Audio CD Mode

Playing/Pausing CD Tracks

Once an audio CD is inserted, the mode will automatically start and begin playing.



While playing, press the TUNE knob to pause and press again to play.

* NOTICE

- Only genuine audio CDs are supported. Other discs may result in recognition failure (e.g. copy CD-R, CDs with labels)
- The artist and title information are displayed on the screen if track information is included within the audio CD.

Changing Tracks

Press the TRACK key to move to the previous or next track.

* NOTICE

- Pressing the Y TREEK key after the track has been playing for 2 seconds will start the current track from the beginning.
- Pressing the THECK key before the track has been playing for 1 second will start the previous track.

Selecting from the List

Turn the TUNE knob to search and select for the desired track.



Once you find the desired track, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Tracks

While playing, press and hold the wiffer key (over 0.8 seconds) to rewind or fast-forward the current track.

Scan

Press the SCAN key to play the first 10 seconds of each track.

Audio CD Mode Menu

If you press the MENU key, you will have access to the Repeat, Shuffle, List and Info features.



<For Europe Model>



<Except Europe Model>

Repeat

Press the MENU key ▶ Select (Repeat)
Repeat :Repeats the current track.

Shuffle

Press the MENU key Select c (Shuffle)
Shuffle: Plays tracks in random order

* NOTICE

The 1, 2 keys are shortcut keys to set the Repeat and Shuffle features.

List



Turns the TUNE knob to search for the desired track and press the TUNE knob to select.

Info



Details for the currently playing track are displayed.

MP3 CD MODE

Basic Mode Screen



<For Europe Model>



<Except Europe Model>

(1) Mode

Displays currently operating mode.

(2) Operation State

From Repeat / Shuffle / Scan, displays the currently operating function.

- (3) File Index
 Displays the current file number.
- (4) File Info
 Displays information about the current file.
- (5) Play State Displays the play/pause state.
- (6) Play Time Displays the current play time.
- (7) MENU Displays the CD MP3 Menu.

(8) Repeat

Turns the Repeat feature on/off.

(9) Shuffle

Turns the Shuffle feature on/off.

(10) List

Moves to the list screen.

(11) Info

Shows detailed information about the current file.

(12) Copy

Copies the current file into My Music

Using MP3 CD Mode

Playing/Pausing MP3 Files

Once an MP3 disc is inserted the mode will automatically start and being playing.



While playing, press the TUNE knob to pause and press again to play.

* NOTICE

If there are numerous files and folders within the disc, reading time could take more than 10 seconds and the list may not be displayed or song searches may not operate. Once loading is complete, try again.

Changing Files

Press the YTHACK keys to select the previous or next file.

* NOTICE

- Pressing the STREEK key after the file has been playing for 2 seconds will start the current file from the beginning.
- Pressing the
 THEK
 key before the
 file has been playing for 1 second will
 start the previous file.

Selecting from the List

Turn the TUNE knob to search and select for the desired files.



Once you find the desired file, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Files

While playing, press and hold the keys (over 0.8 seconds) to rewind or fast-forward the current file.

Scan (For Europe Model)

Press and hold the TA/SCAN key to play the file 10 seconds of each file.

Scan (Except Europe Model)

Press the SCAN key to play the first 10 seconds of each file.

Searching Folders

Select the folder by using the FOLDERA keys and press the TUNE knob to select.



The first file within the selected folder will begin playing.

MP3 CD Mode Menu

If you press the MENU key, you will have access to the Repeat, Shuffle, List, Info and Copy features.



<For Europe Model>



<Except Europe Model>

Repeat

Press the MENU key ► Select
(Repeat)

Each time the button is pressed, the feature changes in order of Repeat→Repeat Folder→Off.

- Repeat Once : Repeats the current file.
- Repeat Folder: Repeats all files within the current Folder.

Shuffle

Each time the button is pressed, the feature changes in order of Shuffle Folde → Shuffle All→Off.

- Folder Shuffle: Plays all files within the current folder in Random order.
- Shuffle All : Plays all files in Random order.

* NOTICE

The 1, 2 keys are shortcut keys to set the Repeat and Shuffle features.



Turn the Tune knob to search for the desired file and press the knob to select.

Info

Press the MENU key▶ Select i

Details for the currently playing file are displayed.

* NOTICE

- When the 'Folder File' option is set as the default display within Display setup, the album/artist/file information are displayed as detailed file information.
- When the 'Album Artist Song' option is set as the default display, the folder name/file name are displayed as detailed file information.
- The title, artist and album info are displayed only when such information are recorded within the MP3 file ID3 tag.

Copy Files

Press the MENU key▶ Select
(Copy)

The currently playing file is copied into My Music.

* NOTICE

• Selecting another feature during copying will display a pop-up asking whether you wish to cancel copying. To cancel, select "Yes".

USB MODE

Basic Mode Screen



<For Europe Model>



<Except Europe Model>

- (1) Mode
 Displays currently operating mode.
- (2) Operation State From Repeat / Shuffle / Scan, displays the currently operating function.
- (3) File Index
 Displays the current file number.
- (4) File Info
 Displays information about the current file.
- (5) Play State
 Displays the play/pause state.
- (6) Play Time Displays the current play time.
- (7) MENU Displays USB Menu.

- (8) Repeat Turns the Repeat feature on/off.
- (9) Shuffle Turns the Shuffle feature on/off.
- (10) List Moves to the list screen.
- (11) Info Displays additional information for the current file.
- (12) Copy Copies the current file into My Music.

Using USB Mode

Playing/Pausing USB Files

Once a USB is connected, the mode will automatically start and begin playing a USB file.



While playing, press the TUNE knob to pause and press again to play.

* NOTICE

- Loading may require additional time if there are many files and folders within the USB and result in faulty list display or file searching. Normal operations will resume once loading is complete.
- The device may not support normal operation when using a USB memory type besides (Metal Cover Type) USB Memory.

Changing Files

Press the YTHACK A keys to select the previous or next file.

* NOTICE

- Pressing the TREEK key after the file has been playing for 2 seconds will start the current file from the beginning.

Selecting from the List

Turn the TUNE knob to search and select desired files.



Once you find the desired file, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Files

While playing, press and hold the keys (over 0.8 seconds) to rewind or fast-forward the current file.

Scan (For Europe Model)

Press and hold the TA/SCAN key to play the file 10 seconds of each file.

Scan (Except Europe Model)

Press the SCAN key to play the first 10 seconds of each file.

Features of your vehicle

Searching Folders

Select the folder by using the FOLDERA keys and press the TUNE knob to select.



The first file within the selected folder will begin playing.

USB Mode Menu

If you press the MENU key, you will have access to the Repeat, Shuffle, List, Info and Copy features.



<For Europe Model>



<Except Europe Model>

Repeat

Press the MENU key ► Select (Repeat)

Each time the button is pressed, the feature changes in order of Repeat → Repeat Folder → Off.

- · Repeat : Repeats the current file.
- Folder Repeat : Repeats all files within the current folder.

Shuffle

Press the MENU key ► Select

Shuffle)

Each time the button is pressed, the feature changes in order of Shuffle Folder→ Shuffle All→Off.

- Folder Shuffle: Plays the files in the current folder in random order.
- Shuffle All: Plays all files in random order.

* NOTICE

 The 1 , 2 keys are shortcut keys to set the Repeat and Shuffle features.





Turn the TUNE knob to search for the desired file and press the TUNE knob to select.

Info

Press the MENU key▶ Select i
(Info)

Details for the currently playing file are displayed.

* NOTICE

- When the 'Folder File' option is set as the default display within Display setup, the album/artist/file information are displayed as detailed file information.
- When the 'Album Artist Song' option is set as the default display, the folder name/file name are displayed as detailed file information.
- The title, artist and album info are displayed only when such information are recorded within the MP3 file ID3 tag.

Copy Files

Press the MENU key ► Select (Copy)

The currently playing file is copied into My Music.

* NOTICE

Selecting another feature during copying will display a pop-up asking whether you wish to cancel copying. To cancel, select "Yes".

iPod® MODE

Basic Mode Screen



<For Europe Model>



<Except Europe Model>

(1) Mode

Displays currently operating mode.

(2) Operation State

From Repeat / Shuffle, displays the currently operating function.

(3) Song Index

Displays the current song/total number of songs.

(4) Song Info

Displays information about the current song.

(5) Play State

Displays the play/pause state.

(6) Play Time

Displays the current play time.

(7) MENU

Displays the iPod Menu.

(8) Repeat

Turns the Repeat feature on/off.

(9) Shuffle

Turns the Shuffle feature on/off.

(10) List

Moves to the list screen.

Using iPod Mode

Playing/Pausing iPod Songs

Once an iPod is connected, the mode will automatically start and begin playing an iPod song.



While playing, press the TUNE knob to pause and press again to play.

* NOTICE

iPods with unsupported communication protocols may not properly operate in the audio system.

Changing Songs

Press the TREE keys to select the previous or next file.

* NOTICE

- Pressing the FREE key after the song has been playing for 2 seconds will start the current song from the beginning.
- Pressing the Y THACK key before the song has been playing for 1 second will start the previous song.
- Slight time differences may exist depending your iPod product.

Rewinding / Fast-forwarding Songs
While playing, press and hold the

**THACK ^* keys (over 0.8 seconds) to
rewind or fast-forward the current song.

Searching Categories

Turn the TUNE knob to search categories and press the TUNE knob to select.



If you press the MENU key within the Category Menu, This button is used to move to the previous category.

* NOTICE

- There are eight categories that can be searched, including Playlists, Artists, Albums, Genres, Songs, Composers, Audiobooks and Podcasts.
- If the search mode is accessed while playing a song, the most recently searched category is displayed..
- Search steps upon initial connection may differ depending on the type of iPod device.

Features of your vehicle

iPod Mode Menu

If you press the MENU key, you will have access to the Repeat, Shuffle and List features.



<For Europe Model>



<Except Europe Model>

Repeat

Press the MENU key ▶ Select ☐ (Repeat)

• Repeat Once : Repeats the current

 Repeat Once : Repeats the current song.

Shuffle

Press the MENU key ▶ Select

(Shuffle)

• Shuffle All : Plays all songs in Random order.

List





Turn the TUNE knob to search for the desired file and press the TUNE knob to select.

AUX MODE

Using AUX Mode

Press the MEDIA key ▶ Select [AUX]



An external device can be connected to play music.

* NOTICE

- If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate. Once the connector is disconnected, the previous mode will be restored.
- AUX mode can be used only when an external audio player (camcorder, car VCR, etc.) has been connected.
- The AUX volume can be controlled separately from other audio modes.

⚠ CAUTION

- Connecting a connector jack to the AUX terminal without an external device will convert the system to AUX mode, but only output noise. When an external device is not being used, also 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.
- Fully insert the AUX cable to the AUX jack uponuse.

Connecting an External Device

External audio players (Camcorders, car VCR, etc.) can be played through a dedicated cable.

MY MUSIC MODE

Basic Mode Screen





<For Europe Model>

(1) Mode

Displays currently operating mode.

(2) Operation State

From Repeat / Shuffle / Scan, displays the currently operating function.

(3) File Index

Displays the current file/total number of files.

(4) File Info

Displays information about the current file.

(5) Play State

Displays the play/pause state.

(6) Play Time

Displays the current play time.

(7) MENU

Displays the My Music Menu

(8) Repeat

Turns the Repeat feature on/off.

(9) Shuffle

Turns the Shuffle feature on/off.

(10) List

Moves to the list screen.

(11) Info

Displays detailed information for the current file.

(12) Delete

Deletes the current file.

Using My Music Mode

Playing/Pausing My Music Files



While playing, press the TUNE knob to pause and press again to play.

* NOTICE

If there are no files saved within My Music, the My Music button will be disabled.

Changing Files

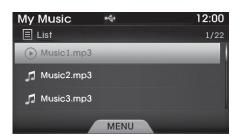
Press the YTRACK A keys to select the previous or next file.

* NOTICE

- Pressing the Y PRESK key after the file has been playing for 2 seconds will start the current file from the beginning.

Selecting from the List

Turn the TUNE knob to search and select desired files.



Once you find the desired file, press the TUNE knob to start playing.

Rewinding / Fast-forwarding Files

While playing, press and hold the SEEK keys (over 0.8 seconds) to rewind or fast-forward the current file.

Scan (For Europe Model)

Press and hold the TA/SCAN key to play the file 10 seconds of each file.

Scan (Except Europe Model)

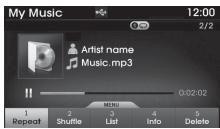
Press the SCAN key to play the first 10 seconds of each file.

My Music Mode Menu

If you press the MENU key, you will have access to the Repeat, Shuffle, List, Info and Delete features.



<For Europe Model>



<Except Europe Model>

Repeat

Repeat: Repeats the current file.

Shuffle

Press the MENU key ▶ Select

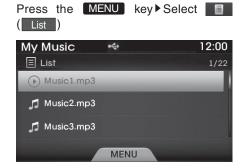
Shuffle)

Shuffle: Plays all files in random order.

* NOTICE

The 1, 2 keys are shortcut keys to set the Repeat and Shuffle features.

List



Turn the TUNE knob to search for the desired file and press the knob to select.

Info

Press the MENU key ▶ Select i

Details for the currently playing file are displayed.

* NOTICE

The title, artist and album info are displayed only when such information is recorded within the MP3 file ID3 tag.

Deleting Files

Press the MENU key ▶ Select m (Delete)

The currently playing file is deleted.

List Menu

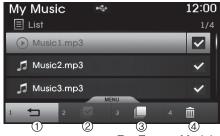
From the List screen ▶ Press the MENU ▶ Select [Edit].

Files saved in My Music can be selected and deleted.





Use the TUNE knob to search and select files you want to delete and select the Delete button from the Menu.



<For Europe Model>



<Except Europe Model>

- (1) Solution : Moves to the previous screen
- (2) Select All: Selects all files
- (3) Unselet All: Deselects all selected files
- (4) Delete: Deletes selected files

Features of your vehicle

* NOTICE

- If there is memory available, up to 6,000 files can be saved.
- Identical files cannot be copied more than 1,000 times.
- To check memory information, go to

 SETUP ► [System] ► [Memory Information]

Bluetooth® Wireless Technology AUDIO MODE (If equipped)

Using *Bluetooth®* Wireless Technology Audio Mode

Playing/Pausing Bluetooth® Wireless Technology Audio

Once a *Bluetooth®* Wireless Technology device is connected, the mode will automatically start.



While playing, press the TUNE knob to pause and press the TUNE knob to play.

* NOTICE

The play/pause feature may operate differently depending on the mobile phone.

Changing Files

Press the YTRACK key to move to the previous or next file.

Setting Connection

If a *Bluetooth®* Wireless Technology device has not been connected, press the SETUP) key ▶ [Phone] button to display the *Bluetooth®* Wireless Technology connection screen.

It is possible to use the pair phone, connect/disconnect and delete features from your *Bluetooth®* Wireless Technology phone.

* NOTICE

- If the *Bluetooth*® Wireless Technology audio is not operating properly, check whether the feature is turned off at SETUP) key [Phone] [Streaming Audio]. If the feature is off, turn back on and try again.
- If music is not yet playing from your mobile device after converting to Bluetooth® Wireless Technology Audio mode, pressing the play button once may start playing the mode. Check to see that music is playing from the Bluetooth® Wireless Technology device after converting to Bluetooth® Wireless Technology Audio Mode.

Pairing a *Bluetooth®* Wireless Technology Device (For Europe Model)

What is Bluetooth® Wireless Technology Pairing?

Pairing refers to the process of synchronizing your *Bluetooth®* Wireless Technology phone or device with the car audio system for connection. Pairing is necessary to connect and use the *Bluetooth®* Wireless Technology feature.

Pairing PHONE key / key on the Steering Remote Controller

When No Devices have been Paired

- 1. Press the PHONE key or the key on the steering remote controller. The following screen is displayed.
- 2. Press the TUNE knob to enter the Pair Phone screen.





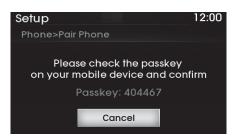
- Device: Name of device as shown when searching from your Bluetooth® Wireless Technology device
- Passkey : Passkey used to pair the device
- From your Bluetooth® Wireless Technology device (i.e. Mobile Phone), search and select your car audio system.

[Non SSP supported device] (SSP: Secure Simple Pairing)

4. After a few moments, a screen is displayed where the passkey is entered. Enter the passkey "0000" to pair your Bluetooth® Wireless Technology device with the car audio system.

[SSP supported device]

After a few moments, a screen is displayed 6 digits passkey.
 Check the passkey on your Bluetooth® Wireless Technology device and confirm.



5. Once pairing is complete, the following screen is displayed.

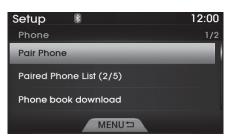
* NOTICE



If Bluetooth® Wireless Technology devices are paired but none are currently connected, pressing the PHONE key or the key on the steering wheel displays the following screen. Press the [Pair] button to pair a new device or press the [Connect] to connect a previously paired device.

Pairing through [PHONE] Setup

Press the key ► Select [Phone] ► Select [Pair Phone] ► Select © TUNE knob



 The following steps are the same as those described in the section "When No Devices have been Paired" on the previous page.

* NOTICE

- Bluetooth® Wireless Technology features supported within the vehicle are as follows. Some features may not be supported depending on your Bluetooth® Wireless Technology device.
 - Outgoing/Incoming Handsfree calls
 - Operations during a call (Switch to Private, Switch to call waiting, MIC on/off)
 - Downloading Call History
 - Downloading Mobile Contacts
 - Bluetooth® Wireless Technology device auto connection
 - Bluetooth Audio Streaming
- Up to five *Bluetooth*® Wireless Technology devices can be paired to the Car Handsfree system.
- Only one Bluetooth® Wireless Technology device can be connected at a time.
- Other devices cannot be paired while a Bluetooth® Wireless Technology device is connected.
- Only Bluetooth® Wireless Technology Handsfree and Bluetooth audio related features are supported.

(Continued)

(Continued)

- Bluetooth related operations are possible only within devices that support Handsfree or audio features, such as a Bluetooth® Wireless Technology mobile phone or a Bluetooth audio device
- If a connected Bluetooth® Wireless Technology device becomes disconnected due to being out of communication range, turning the device OFF, or a Bluetooth® Wireless Technology communication error, corresponding Bluetooth® Wireless Technology devices are automatically searched and reconnected.
- If the system becomes unstable due to communication errors between the car Handsfree and the Bluetooth® Wireless Technology device, reset the device by turning off and back on again. Upon resetting Bluetooth® Wireless Technology device, the system will be restored.

(Continued)

(Continued)

After pairing is complete, a contacts download request is sent once to the mobile phone. Some mobile phones may require confirmation upon receiving a download request, ensure your mobile phone accepts the connection. Refer to your phones user's manual for additional information regarding phone pairing and connections.

Connecting a Device

Press the key ► Select [Phone] ► Select [Paired Phone List]



- 1) Connected Phone : Device that is currently connected
- 2) Paired Phone : Device that is paired but not connected

From the paired phone list, select the device you want to connect and Select the state button.



Changing Priority

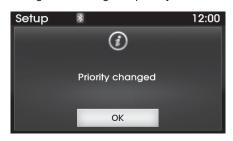
What is Priority?

It is possible to pair up to five <code>Bluetooth®</code> Wireless Technology devices with the car audio system. The "Change Priority" feature is used to set the connection priority of paired phones.

Press the key ► Select [Phone] ► Select [Paired Phone List]



From the paired phone list, select the phone you want to switch to the highest priority, then select the button from the Menu. The selected device will be changed to the highest priority.



* NOTICE

Priority icon will be displayed when the selected phone is set as a priority phone.



Disconnecting a Device

Press the key ► Select [Phone] ► Select [Paired Phone List]



From the paired phone list, select the currently connected device and select the button.