



FCC ID: TQ8-PA710TFUB/ IC: 5074A-PA710TFCAB

ATTACHMENT E.

- User Manual -

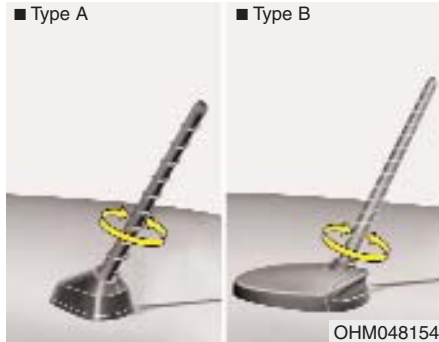
HCT CO., LTD.

SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, KYOUNGKI-DO, 467-701, KOREA
TEL:+82 31 639 8517 FAX:+82 31 639 8525 www.hct.co.kr

Report No. : HCTR1003FR15

1/1

AUDIO SYSTEM



Antenna

Roof antenna

Your vehicle uses a roof antenna to receive both AM and FM broadcast signals. This antenna is removable. To remove the antenna, turn it counterclockwise. To install the antenna, turn it clockwise.

⚠ CAUTION

- *Before entering a place with a low height clearance, be sure that the antenna is removed.*
- *Be sure to remove the antenna before washing the car in an automatic car wash or it may be damaged.*
- *When reinstalling your antenna, it is important that it is fully tightened and adjusted to the upright position to ensure proper reception. But it could be removed when parking the vehicle or when loading cargo on the roof rack.*
- *When cargo is loaded on the roof rack, do not place the cargo near the antenna pole to ensure proper reception.*



Steering wheel audio control (if equipped)

The steering wheel may incorporate audio control buttons.

⚠ CAUTION

Do not operate audio remote control buttons simultaneously.

MODE (1)

Press the button to change audio source.
- FM(1~2)→AM→SAT(1~3)→CD→USB
AUX(iPod) FM...

SEEK/PRESET (∧ / ∨) (2)

The SEEK/PRESET button has different functions based on the system mode.

For the following functions the button should be pressed for 0.8 second or more.

RADIO mode

It will function as the AUTO SEEK select button.

CD/USB/iPod mode

It will function as the FF/REW button.

If the SEEK/PRESET button is pressed for less than 0.8 second, it will work as follows in each mode.

RADIO mode

It will function as the PRESET STATION buttons.

CD/USB/iPod mode

It will function as TRACK UP/DOWN button.

VOLUME (VOL ∧ / ∨) (3)

- Push the lever upward (∧) to increase the volume.
- Push the lever downward (∨) to decrease the volume.

MUTE (4)

- Press the button to mute the sound
- Press the button to turn off the microphone during a telephone call.

Detailed information for audio control buttons are described in the following pages in this section.



OLM049195

Aux, USB and iPod port (if equipped)

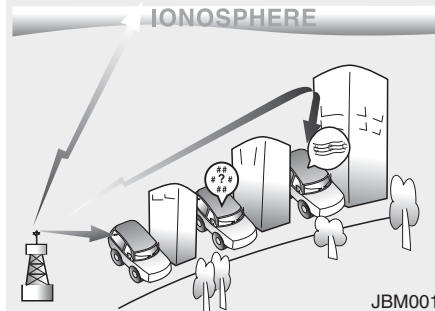
If your vehicle has an aux and/or USB(universal serial bus) port or iPod port, you can use an aux port to connect audio devices and the USB port to plug in a USB device.

Both ports are used together with the accessory iPod cable to connect an iPod.

*** NOTICE**

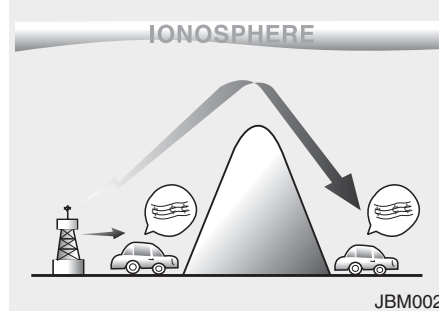
When using a portable audio device connected to the power outlet, noise may occur during playback. If this happens, use the power source of the portable audio device.

* iPod is a trademark of Apple Inc.

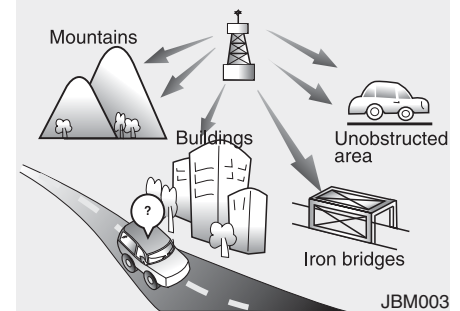
FM reception**How vehicle audio works**

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 received 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.

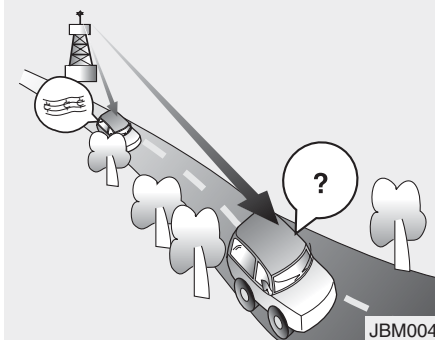
AM reception

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

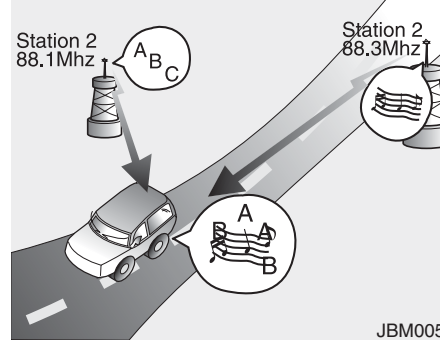
FM radio station

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 at short distances from the station.

Also, FM signals are easily affected by buildings, mountains, or other obstructions. These can result in certain 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.

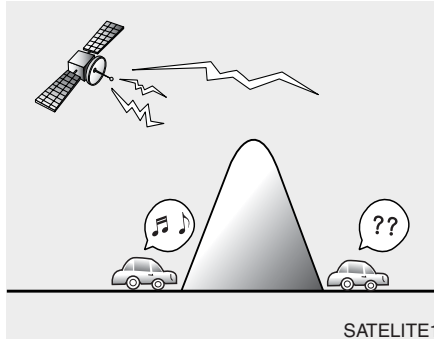


- **Station Swapping** - As a FM signal weakens, another more powerful signal near the same frequency may begin to play. This is because your radio is designed to lock onto the clearest signal. If this occurs, select another station with a stronger signal.

- **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.

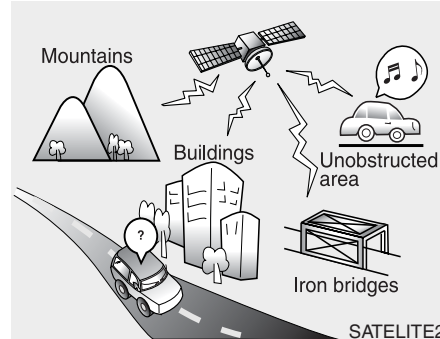
Satellite radio reception

You may experience difficulties in receiving SIRIUS satellite radio signals in the following situations.



- If you are driving in a tunnel or a covered parking area.
- If you are driving beneath the top level of a multi-level freeway.
- If you drive under a bridge.
- If you are driving next to a tall vehicle (such as a truck or a bus) that blocks the signal.
- If you are driving in a valley where the surrounding hills or peaks block the signal from the satellite.

- If you are driving on a mountain road where the signal is blocked by mountains.



- If you are driving in an area with tall trees that block the signal (30 ft. / 10m or more), for example on an road that goes through a dense forest.
- The signal can become weak in some areas that are not covered by the SIRIUS repeater network.

NOTE:

There may be other unforeseen circumstances leading to reception problems with the SIRIUS satellite radio signal.

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 equipment. This does not mean that something is wrong with the audio equipment. In such a case, use the cellular phone at a place as far as possible from the audio equipment.

**WARNING**

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

Care of discs

- If the temperature inside the vehicle is too high, open the vehicle windows for ventilation before using your vehicle audio.
- 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 and carry CDs by the edges or the edges of 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 onto it.
- Make sure objects other than CDs are not 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 manufacturing companies or making and recording methods. In such circumstances, if you still continue to use those CDs, they may cause the malfunction of your vehicle audio system.

*** NOTICE - Playing an Incompatible Copy Protected Audio CD**

Some copy protected CDs, which do not comply with the international audio CD standards (Red Book), may not play on your vehicle audio. Please note that if you try to play copy protected CDs and the CD player does not perform correctly the CDs may be defective, not the CD player.

RADIO, SET UP, VOLUME, AUDIO CONTROL



- | | |
|--|------------------------------|
| 1. AM Selection Button | 5. Preset Selection Button |
| 2. FM Selection Button | 6. SCAN Selection Button |
| 3. Automatic Station Seek Button | 7. DISP Button |
| 4. Power ON/OFF Button and Volume Control Knob | 8. SETUP Button |
| | 9. TUNE & AUDIO Control Knob |

Using RADIO, SETUP, VOLUME and AUDIO CONTROL

1. AM Selection Button

Pressing the [AM] button selects the AM band. AM Mode is displayed on the LCD.

2. FM Selection Button

Turns to FM mode and toggles FM1 and FM2 when the button is pressed each time.

3. Automatic Station Seek Button

- When the [SEEK ∨] is pressed, it will automatically tune to the next lower station.
- When the [SEEK ∧] is pressed, it will automatically tune to the next higher station.

4. Power ON/OFF Button & Volume Control Knob

- Turns the audio system on/off when the ignition switch is on ACC or ON.
- If the knob is turned clockwise/counter-clockwise, the volume will increase /decrease.

TF_AUDIO_USA_SIRIUS

5. Preset Selection Button

- Press [1]~[6] buttons less than 0.8 second to play the station saved in each button.
- Press [1]~[6] button more than 0.8 second or longer to save the current station to the respective button with a beep.

6. SCAN Button

- When the button is pressed, it automatically scans the radio stations upwards.
- The SCAN feature steps through each station, starting from the initial station, for ten seconds.
- Press the [SCAN] button again to stop the scan feature and to listen to the currently selected channel.

7. DISP Button

Turn the LCD Display & Backlight on/off when [DISP] button press.

8. SETUP Button

Press this Button to enter SETUP mode, If no action is taken for 8 seconds, it will return to previous mode.

In "SETUP" mode, rotate the TUNE knob to move the cursor between items, and push the TUNE knob to select.

• SCROLL

Select whether long file names are scrolled continuously ("ON") or just once ("OFF").

• SDVC

Select this item to turn the SDVC(Speed Dependent Volume Control) feature ON or OFF. If it is turned ON, volume level is adjusted automatically according to the vehicle speed.

• P.BASS (PowerBass)

This function creates virtual sound effects and allows adjustments to the BASS level.

HIGH → MID → LOW → OFF

• XM

Select default display of XM mode. "Category/Channel name" or "Artist/Song Title" can be selected.

• PHONE (if available)

Select this item to enter BLUETOOTH setup mode. Refer to "BLUETOOTH PHONE OPERATION" section for detailed information.

• Adjusting the Clock

Press the [SETUP] button. Use the volume controller to adjust the clock in the following order: CLOCK·ENTER·hour or minute.

Adjust the hour and press the [ENTER] button to set. Use the same method to adjust the minute and press the [ENTER] button to complete and exit from clock adjustment mode.

Pressing the [SETUP] button while in POWER OFF screen will allow the user to make immediately adjustments to the clock.

9. TUNE Knob & Audio Control Knob

- Rotate the knob clockwise or counterclockwise to increase or decrease from current frequency.

(AM 10kHz, FM 200kHz)

Pressing the button changes the BASS, MIDDLE, TREBLE, FADER and BALANCE TUNE mode. The mode selected is shown on the display. After selecting each mode, rotate the Audio control knob clockwise or counterclockwise.

- **BASS Control**

To increase the BASS, rotate the knob clockwise, while to decrease the BASS, rotate the knob counterclockwise.

- **MIDDLE Control**

To increase the MIDDLE, rotate the knob clockwise, while to decrease the MIDDLE, rotate the knob counterclockwise.

- **TREBLE Control**

To increase the TREBLE, rotate the knob clockwise, while to decrease the TREBLE, rotate the knob counterclockwise.

- **FADER Control**

Turn the control knob clockwise to emphasize rear speaker sound (front speaker sound will be attenuated). When the control knob is turned counterclockwise, front speaker sound will be emphasized (rear speaker sound will be attenuated).

- **BALANCE Control**

Rotate the knob clockwise to emphasize right speaker sound (left speaker sound will be attenuated). When the control knob is turned counterclockwise, left speaker sound will be emphasized (right speaker sound will be attenuated).

CD



- | | |
|----------------------------------|--------------------------------|
| 1. CD Loading Slot | 7. CD Indicator |
| 2. CD Eject Button | 8. SCAN Play Button |
| 3. CD Selection Button | 9. INFO Button |
| 4. Automatic Station Seek Button | 10. FOLDER Moving Button |
| 5. RANDOM play Button | 11. SEARCH Knob & ENTER Button |
| 6. REPEAT Button | |

TF_AUDIO_USA_SIRIUS

Using CD Player

1. CD Loading Slot

Insert a CD label side up and gently push in while ignition switch is on ACC or ON. The audio automatically switches to CD mode and begins to play the CD. If the audio was turned off, audio power will automatically be turned on as the CD is inserted.

- This audio only recognizes 12 cm-size, CD-DA (Audio CD) or ISO data-CD (MP3 CD).
- If UDF data-CD or non-CD (e.g. DVD) is inserted, "Reading Error" message will be displayed and the disc will be ejected.



CAUTION

Do not insert a CD if CD indicator is lit.

2. CD Eject Button

- Press [▲] button to eject the CD. This button works regardless of ignition switch status.

3. CD Selection Button

If there is a CD in the CD DECK it switches to CD mode.

If there is no CD, then the message "No CD" will become displayed on the LCD for 3 seconds and returns to the previous mode.

4. Track Selection Button

- Press [TRACK √] button for less than 0.8 second to play from the beginning of current song.
- Press [TRACK √] button for less than 0.8 second and press again within 1 second to play the previous song.
- Press [TRACK √] button for 0.8 second or longer to initiate reverse direction high speed sound search of current song.
- Press [TRACK ^] button for less than 0.8 second to play the next song.
- Press [TRACK ^] button for 0.8 second or longer to initiate forward direction high speed sound search of current song.

5. RANDOM Play Button

- Press this button for less than 0.8 second to play songs randomly in current folder.
- Press this button for 0.8 second or longer to play songs randomly in entire CD.

- To cancel RANDOM Play, press this button again.

6. REPEAT Button

- Press this button for less than 0.8 second to repeat current song.
- Press this button for 0.8 second or longer to repeat all songs in current folder.
- To cancel REPEAT, press this button again.

7. CD Indicator

When car ignition switch is ACC or ON and if the CD is loaded, this indicator is lit. If the CD is ejected, the light is turned off.

8. SCAN Play Button

Play each song in the CD for 10 seconds. To cancel SCAN Play, press this button again.

9. INFO Button

Displays the information of the current song.

- Audio CD : Disc Title/Artist, Track Title /Artist, Total Tracks.

- MP3 CD : File Name, Title, Artist, Album, Folder, Total Files (Not displayed if the information is unavailable on the CD or file.)

10. FOLDER Moving Button

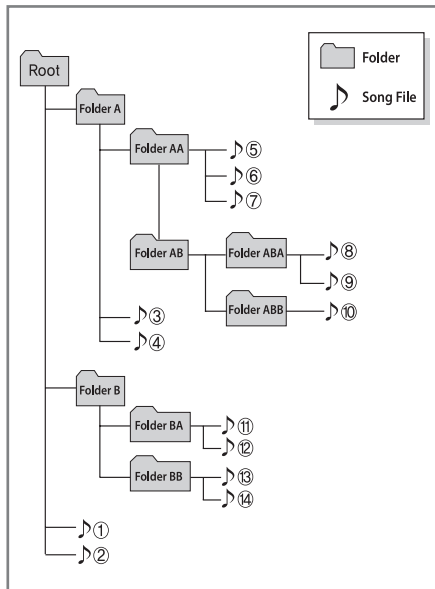
- Press [FOLDER √] button to move to child folder of the current folder and display the first song in the folder. Press TUNE/ ENTER knob to move to the folder displayed. It will play the first song in the folder.
- Press [FOLDER ^] button to move to parent folder of the current folder and display the first song in the folder. Press TUNE/ENTER knob to move to the folder displayed.

11. SEARCH Knob & ENTER Button

- Turn this knob clockwise to browse songs after current song, or counter-clockwise to browse songs before current song. To play the displayed song, press the knob.
- Pressing this knob without turning enters to AUDIO CONTROL mode.

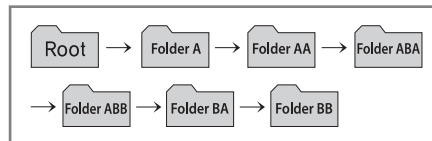
NOTE:

Order of playing files (folders) :



1. Song playing order : ① to ⑭ sequentially.

2. Folder playing order :



* If no song file is contained in the folder, that folder is not displayed.

**⚠ CAUTION IN USING
USB DEVICE**

- To use an external USB device, make sure the device is not connected when starting up the vehicle. Connect the device after starting up.
- If you start the engine when the USB device is connected, it may damage the USB device. (USB flashdrives are very sensitive to electric shock.)
- If the engine is started up or turned off while the external USB device is connected, the external USB device may not work.
- It may not play inauthentic MP3 or WMA files.
 - 1) It can only play MP3 files with the compression rate between 8Kbps~320Kbps.
 - 2) It can only play WMA music files with the compression rate between 8Kbps~320Kbps.
- Take precautions for static electricity when connecting or disconnecting the external USB device.

(Continued)

(Continued)

- An encrypted MP3 PLAYER is not recognizable.
- Depending on the condition of the external USB device, the connected external USB device can be unrecognizable.
- When the formatted byte/sector setting of External USB devices is not either 512BYTE or 2048BYTE, then the device will not be recognized.
- Use only a USB device formatted to FAT 12/16/32.
- USB devices without USB I/F authentication may not be recognizable.
- Make sure the USB connection terminal does not come in contact with the human body or other objects.
- If you repeatedly connect or disconnect the USB device in a short period of time, it may break the device.
- You may hear a strange noise when connecting or disconnecting a USB device.

(Continued)

(Continued)

- If you disconnect the external USB device during playback in USB mode, the external USB device can be damaged or may malfunction. Therefore, disconnect the external USB device when the audio is turned off or in another mode. (e.g, Radio, SIRIUS or CD)
- Depending on the type and capacity of the external USB device or the type of the files stored in the device, there is a difference in the time taken for recognition of the device.
- Do not use the USB device for purposes other than playing music files.
- Use of USB accessories such as rechargers or heaters using USB I/F may lower performance or cause trouble.
- If you use devices such as a USB hub purchased separately, the vehicle's audio system may not recognize the USB device. In that case, connect the USB device directly to the multimedia terminal of the vehicle.

(Continued)

(Continued)

- *If the USB device is divided by logical drives, only the music files on the highest-priority drive are recognized by car audio.*
- *Devices such as MP3 Player/ Cellular phone/Digital camera can be unrecognizable by standard USB I/F can be unrecognizable.*
- *Some non-standard USB devices (METAL COVER TYPE USB) can be unrecognizable.*
- *Some USB flash memory readers (such as CF, SD, microSD, etc.) or external-HDD type devices can be unrecognizable.*
- *Music files protected by DRM (DIGITAL RIGHTS MANAGEMENT) are not recognizable.*
- *The data in the USB memory may be lost while using this audio. Always back up important data on a personal storage device.*

(Continued)

(Continued)

- *Please avoid using USB memory products which can be used as key chains or cellular phone accessories as they could cause damage to the USB jack. Please make certain only to use plug type connector products as shown below.*



AUX/USB



- | | |
|-----------------------------|-------------------------------|
| 1. AUX/USB Selection Button | 5. SCAN Selection Button |
| 2. TRACK Selection Button | 6. INFO Button |
| 3. RANDOM Playback Button | 7. FOLDER Moving Button |
| 4. REPEAT Selection Button | 8. SEARCH Knob & ENTER Button |

TF_AUDIO_USA_SIRIUS

Using USB device

1. AUX/USB Selection Button

If the auxiliary device is connected, it switches to AUX or USB mode to play the sound from the auxiliary player.

If there is no auxiliary device, then the message "No Media" will become displayed on the LCD for 3 seconds and returns to previous mode.

2. TRACK Selection Button

- Press the [TRACK ∨] button for less than 0.8 second to play from the beginning of the current song. Press the button for less than 0.8 second and press it again within 1 second to move to and play the previous song. Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.
- Press the [TRACK ∧] button for less than 0.8 second to move to the next song. Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

3. RANDOM Playback Button

- Press this button for less than 0.8 second to play songs randomly in current folder.
- Press this button for 0.8 second or longer to play songs randomly in entire USB device.
- To cancel RANDOM play, press this button again.

4. REPEAT Button

- Press this button for less than 0.8 second to repeat current song.
- Press this button for 0.8 second or longer to repeat all songs in current folder.
- To cancel REPEAT, press this button again.

5. SCAN Selection Button

Plays each song in the USB device for 10 seconds.

To cancel SCAN Play, press this button again.

6. INFO Button

Displays the information of the file currently played in the order of FILE NAME → TITLE → ARTIST → ALBUM → FOLDER → TOTAL FILE → NORMAL DISPLAY → FILE NAME →... (Displays no information if the file has no song information.)

7. FOLDER Moving Button

- Press [FOLDER ∨] button to move to child folder of the current folder and display the first song in the folder.
Press TUNE/ ENTER knob to move to the folder displayed. It will play the first song in the folder.
- Press [FOLDER ∧] button to move to parent folder display the first song in the folder.
Press TUNE/ENTER knob to move to the folder displayed.

8. SEARCH Knob & ENTER Button

- Turn this knob clockwise to browse songs after current song, or counter clockwise to browse songs before current song. To play the displayed song, press the knob.
- Pressing this knob without turning enters to AUDIO CONTROL mode.

* NOTICE FOR USING THE iPod DEVICE

- Some iPod models might not support the communication protocol and the files will not be played.
Supported iPod models:
 - iPod Mini
 - iPod 4th(Photo) ~ 6th(Classic) generation
 - iPod Nano 1st~4th generation
 - iPod Touch 1st~2nd generation
- The order of search or playback of songs in the iPod can be different from the order searched in the audio system.
- If the iPod crashes due to its own malfunction, reset the iPod. (Reset: Refer to iPod manual)
- An iPod may not operate normally on low battery.
- Some iPod devices, such as the iPhone, can be connected through the Bluetooth interface. The device must have audio Bluetooth capability (such as for stereo headphone Bluetooth). The device can play, but it will not be controlled by the audio system.



CAUTION IN USING THE iPod DEVICE

- *The Kia iPod Power Cable is needed in order to operate iPod with the audio buttons on the audio system. The USB cable provided by Apple may cause malfunction and should not be used for Kia vehicles.*
- * *The Kia iPod Power Cable may be purchased through your Kia Dealership.*
- *When connecting the device with the iPod Power Cable, insert the connector to the multimedia socket completely. If not inserted completely, communications between iPod and audio may be interrupted.*
- *When adjusting the sound effects of the iPod and the audio system, the sound effects of both may devices will overlap and might reduce or distort the quality of the sound.*
- *Deactivate (turn off) the equalizer function of an iPod when adjusting the audio system's volume, and turn off the equalizer of the audio system when using the equalizer of an iPod.*

(Continued)

(Continued)

- *When the iPod cable is connected, the system can be switched to the AUX mode even without the iPod device and may cause noise. Disconnect the iPod cable when you are not using the iPod device.*
- *When not using iPod with car audio, detach the iPod cable from iPod. Otherwise, the iPod may remain in accessory mode, and may not work properly.*

* iPod is a trademark of Apple, Inc.

iPod



- 1. iPod Selection Button
- 2. TRACK Selection Button
- 3. REPEAT Selection Button
- 4. RANDOM Playback Button

- 5. INFO Button
- 6. CATEGORY Selection Button
- 7. SEARCH Knob & ENTER Button

Using an iPod

1. iPod Selection Button

If an iPod is connected, the system switches to the iPod mode from the previous mode to play the song files stored in the iPod.

If there is no iPod connected, then the system displays the message "No Media" for 3 seconds and returns to the previous mode.

2. TRACK Selection Button

- Press the [TRACK ∨] button for less than 0.8 second to play from the beginning of the song currently played. Press the button for less than 0.8 second and press it again within 1 second to move to and play the previous track. Press the button for 0.8 second or longer to play the song in reverse direction in fast speed.
- Press the [TRACK ∧] button for less than 0.8 second to move to the next track. Press the button for 0.8 second or longer to play the song in forward direction in fast speed.

TF_AUDIO_USA_SIRIUS

3. REPEAT Button

Repeats the song currently played.

4. RANDOM Playback Button

- Press this button for less than 0.8 second to shuffle order of all songs in current category. (Song Random)
- Press this button for 0.8 second or longer to shuffle order of albums in current category. (Album Random)
- To cancel RANDOM Play, press this button again.

5. INFO Button

Displays the information of the file currently played in the order of TITLE → ARTIST → ALBUM → NORMAL DISPLAY → TITLE →... (Displays no information if the file has no song information.)

6. CATEGORY Selection Button

Moves to the upper category from currently played category of the iPod.

To move to (play) the category (song) displayed, press TUNE/ENTER knob.

You will be able to search through the lower category of the selected category.

The order of iPod's category is SONG, ALBUMS, ARTISTS, GENRES, and iPod.

7. SEARCH Knob & ENTER Button

When you rotate the knob clockwise, it will display the songs (category) ahead of the song currently played (category in the same level).

Also, when you rotate the knob counterclockwise, it will display the songs (category) before the song currently played (category in the same level).

To listen to the song displayed in the song category, press the button to skip to and play the selected song.

Pressing the button changes the BASS, MIDDLE, TREBLE, FADER and BALANCE TUNE mode. The mode selected is shown on the display. After selecting each mode, rotate the Audio control knob clockwise or counterclockwise.

XM SATELLITE RADIO



1. SATELLITE RADIO Selection Button
2. Channel Selection Button
3. Preset Selection Button
4. SCAN Selection Button

5. INFO Selection Button
6. CAT/FOLDER Button
7. Manual Channel Selection Button

Using XM Satellite Radio

Your vehicle is equipped with 3 months complimentary period of XM Satellite Radio. XM provides you have access to over 130 channels of music, information, and entertainment programming.

1. XM Selection Button

Turns to XM Satellite Radio Mode. XM mode toggles in order to XM1→XM2→XM3→XM1... when the button is pressed each time.

2. Channel Selection Button

- Push [TRACK ∨] button for less than 0.8 second to select previous channel.
- Push [TRACK ∨] button for 0.8 second or longer to continuously move to previous channel.
- Push [SEEK ∧] button for less than 0.8 second to select next channel.
- Push [SEEK ∧] button for 0.8 second or longer to continuously move to next channel.
- Radio ID : Seek or Tune to XM channel 0 to display the Radio ID.

3. Preset Selection Button

Push [1]~[6] buttons less than 0.8 second to play the channel saved in each button. Push Preset button for 0.8 second or longer to save current channel to the respective button with a beep.

4. SCAN Selection Button

Press to hear a brief sampling of all channels. To cancel the scan mode, press the button once again.

5. INFO Button

Displays the information of the current channel in the order of Artist/Song title→Category/Channel name→Current Play Channel→Artist/Song title→Category/Channel name... when the button is pressed each time.

If the complete text information is not displayed, rotate the tune button to see the next page.

6. CATEGORY Search Button

- Push [FOLDER √] button to search previous category.
- Push [CAT ^] button to search next category. To listen to the displayed category, press the TUNE/SETUP button. To scan channel in displayed category, press the scan button. To search channel in displayed category, press seek buttons or turn the tune button clockwise/counterclockwise. (CATEGORY icon is will be turned on in Category mode)

7. Manual Channel Selection Button

While listening to XM broadcast, rotate this control to the right or left to search other channels while listening to current channel. (Turn to the right to search higher channels and left, lower channels)

**⚠ CAUTION IN USING
BLUETOOTH® CELLU-
LAR PHONE**

- *Do not use a cellular phone or perform Bluetooth® settings (e.g. pairing a phone) while driving.*
- *Some Bluetooth®-enabled phones may not be recognized by the system or fully compatible with the system.*
- *Before using Bluetooth® related features of the audio system, refer your phone's User's Manual for phone-side Bluetooth® operations.*
- *The phone must be paired to the audio system to use Bluetooth® related features.*
- *You will not be able to use the hands-free feature when your phone (in the car) 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.*

(Continued)

(continued)

- *Do not place the phone near or inside metallic objects, otherwise communications with Bluetooth® system or cellular service stations can be disturbed.*
- *While a phone is connected through Bluetooth® your phone may discharge quicker than usual for additional Bluetooth®-related operations.*
- *Some cellular phones or other devices may cause interference noise or malfunction to audio system. In this case, storing the device in a different location may resolve the situation.*

BLUETOOTH PHONE OPERATION



1. VOLUME button : Raises or lowers speaker volume.
2. MUTE : Mute the microphone during a call
3. TALK button : Activates voice recognition.
4. CALL button : Places and transfers calls.
5. END button : Ends calls or cancels functions.

■ What is Bluetooth®?

Bluetooth® is a wireless technology that allows multiple devices to be connected in a short range, low-powered devices like hands-free, stereo headset, wireless remote, etc. For more information, visit the Bluetooth® website at www.Bluetooth.com

■ General Features


- This audio system supports Bluetooth® hands-free and stereo-headset features.
 - HANDS-FREE feature: Making or receiving calls wirelessly through voice recognition.
 - STEREO-HEADSET feature: Playing music from cellular phones (that supports A2DP feature) wirelessly.
- Voice recognition engine of the Bluetooth® system supports 3 types of languages:
 - English
 - US Spanish
 - Canadian French

* NOTICE

- The phone must be paired to the system before using Bluetooth® features.
- Only one selected (linked) cellular phone can be used with the system at a time.
- Some phones are not fully compatible with this system.

■ Bluetooth Language Setting

The system language can be changed by the following steps:

1. Power on the audio system with the volume set to an audible level.
2. Press and hold  button on the steering wheel until the audio displays "Please Wait".
 - The Bluetooth® system will reply in currently selected language that it is changing to the next language.
 - System language cycles between English, Canadian French and US Spanish.
3. When completed, the audio display returns to normal.
4. Repeat steps 2 and 3 for the next language selection.

Note:


The phone needs to be paired again after changing system language.

- Avoid resting your thumb or finger on the talk button as the language could unintentionally change.

■ Voice Recognition Activation



- The voice recognition engine contained in the Bluetooth System can be activated in the following conditions:

- Button Activation

The voice recognition system will be active when the  button is pressed and after the sound of a Beep.

- Active Listening

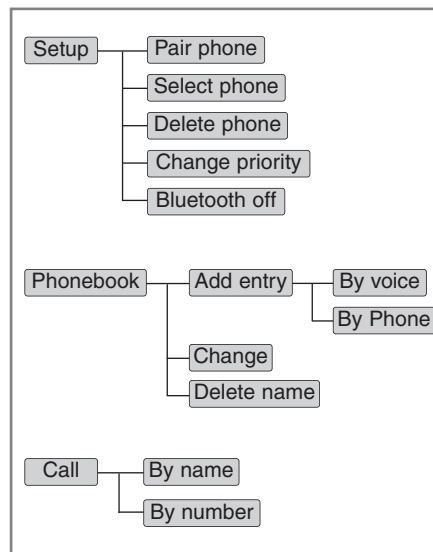
The voice recognition system will be active for a period of time when the Voice Recognition system has asked for a customer response.

- The system can recognize single digits from zero to nine while number greater than ten will not be recognized.
- If the command is not recognized, the system will announce "Pardon" or No input voice signal from microphone. (No response)
- The system shall cancel voice recognition mode in following cases : When pressing the  button and saying cancel following the beep. When not making a call and pressing the  button. When voice recognition has failed 3 consecutive times.

- At any time if you say "help", the system will announce what commands are available.

■ Menu tree

The menu tree identifies available voice recognition Bluetooth® functions.



■ Voice Operation Tip

To get the best performance out of the Voice Recognition System, observe the followings:

- Keep the interior of the vehicle as quiet as possible. Close the window to eliminate surrounding noise (traffic noise, vibration sounds, etc), which may disturb recognizing the voice command correctly.
- Speak a command after a beep sound within 5 seconds. Otherwise the command will not be received properly.
- Speak in a natural voice without pausing between words.

■ Information Display

<Active Call>



<Voice Recognition Ready>



The Bluetooth® icon appears on the upper side of audio display when a phone is connected.

■ Phone Setup

All Bluetooth®-related operations can be performed by voice command or by manual operation.

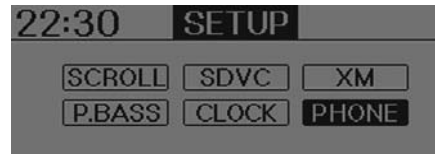
- By Voice Command:

Press button on the steering wheel to activate voice recognition.

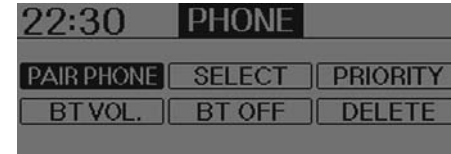


- By Manual Operation:

1) Push the TUNE knob to enter SETUP mode



2) Select "PHONE" item by rotating the TUNE knob, then push the knob.



3) Select desired item by rotating the TUNE knob, then push the knob.

• Pairing phone



Before using Bluetooth® features, the phone must be paired (registered) to the audio system. Up to 5 phones can be paired in the system.

Note:

The pairing procedure of the phone varies according to each phone model. Before attempting to pair phone, please see your phone's User's Guide for instructions.

Note:

Once pairing with the phone is completed, there is no need to pair with that phone again unless the phone is deleted manually from the audio system (refer “Deleting Phone” section) or the vehicle’s information is removed from the phone.

1. Press  button.
2. Say “Set Up”.
 - The system replies with available commands.
 - To skip the information message, press  again and then a beep is heard.
3. Say “Pair Phone”
4. Say “Yes” to proceed.
5. Say the name of your phone when prompted.
 - Use any name to uniquely describe your phone.
6. Bluetooth® system will repeat the name you stated.
7. Say “Yes” to confirm.
8. The audio displays “searching ____ passkey: 0000” and asks you to initiate pairing procedure from the phone.

9. Search the Bluetooth® system on your phone .Your phone should display your [vehicle model name] on the Bluetooth® device list. Then attempt pairing on your phone
10. After Pairing is completed, your phone will start to transfer phone/contact list to the audio system.
 - This process may take from a few minutes to over 10 minutes depending on the phone model and number of entries in the phone/contact list.
11. By manual operation:
 - Select “PAIR” in PHONE menu, then proceed from step 5

Note:

Until the audio displays “Transfer Complete”, Bluetooth® hands-free feature may not be fully operational.

Note:


If the phone is paired to two or more vehicles of the same model, i.e. both vehicles are “Hyundai Tucson”, some phones may not handle Bluetooth® devices of that name correctly. In this case, you may need to change the name displayed on your phone from TUCSON.

Refer to your phone’s User’s Guide, or contact your cellular carrier or phone manufacturer for instructions.

• Connecting phone

When the Bluetooth® system is enabled, the phone previously used is automatically selected and re-connected. If you want to select different phone previously paired, the phone can be selected through “Select Phone” menu.


Only a selected phone can be used with the hands-free system at a time.

1. Press  button.
2. Say "Set Up".
3. Say "Select Phone" after prompt
 - The system lists all the registered phone names.
4. Say the name or number of desired phone from the list.
5. Say "Yes" to confirm.
6. By manual operation:
 - Select “SELECT” in PHONE menu, then select desired phone from the list.

• Deleting Phone

The paired phone can be deleted.


- When the phone is deleted, all the information associated with that phone is also be deleted (including phonebook).
- If you want to use the deleted phone with the audio system again, pairing procedure must be completed once more.

1. Press  button.
2. Say “Set Up”.
3. Say “Delete Phone” after prompt.
 - The system lists all the registered phone names.
4. Say the name or number of desired phone from the list.
5. Say “Yes” to confirm.
6. By manual operation:
 - Select “DELETE” in PHONE menu, then select desired phone from the list.

• Changing Priority

When several phones are paired to the audio system, the system attempts to connect following order when the Bluetooth® system is enabled:

- 1) “Priority” checked phone.
- 2) Previously connected phone
- 3) Gives up auto connection.

1. Press  button.
2. Say “Set Up”.
3. Say “Change Priority” after prompt.
 - The system lists all the registered phone names.
4. Say the name or number of desired phone from the list.
5. Say “Yes” to confirm.
6. By manual operation:
 - Select “PRIORITY” in PHONE menu, then select desired phone from the list.

• Adjusting Bluetooth® Volume


Bluetooth® system volume can be adjusted separately from main volume of the audio system. Volume control is available by manual operation only.

- Select "BT VOL" in PHONE menu, adjust volume to desired level by turning the TUNE knob, then press the knob again to confirm.

• Turning Bluetooth® ON/OFF

Bluetooth® system can be enabled (ON) or disabled (OFF) by this menu.

- If Bluetooth® is disabled, all the commands related to Bluetooth® system prompts whether you wish to turn Bluetooth® ON or not.



1. Press  button.
2. Say "Set Up"
3. Say "Bluetooth Off" after prompt.
4. Say "Yes" to confirm.
5. By manual operation:
 - Select "BT Off" in PHONE menu, then after announcement, say "YES" to confirm.

■ Phone Book (In-Vehicle)

• Adding Entry

Phone numbers and voice tags can be registered. Entries registered in the phone can also be transferred.


• Adding Entry by Voice

1. Press  button.
2. Say "Phonebook".
 - The system replies with all available commands.
 - To skip the information message, press  again and then a beep is heard.
3. Say "Add Entry".
4. Say "By Voice" to proceed.
5. Say the name of the entry when prompted.
6. Say "Yes" to confirm.
7. Say the phone number of that entry when prompted.
8. Say "Store" if phone number input is finished.
9. Say a phone number type. "Home", "Work", "Mobile", "Other" or "Default" is available.
10. Say "Yes" to complete adding entry.
11. Say "Yes" to store additional location for this contact, or say "Cancel" to finish the process.

* NOTICE


- The system can recognize single digits from zero to nine. Numbers that are ten or greater cannot be recognized.
- You can enter each digit individually or group digits together in preferred string lengths.
- To speed up input, it is a good idea to group all digits into a continuous string.
- The display corresponding to each operation appears on the screen as follows:
- Input operation example:
 1. Say: "Nine, nine, five"
→ Display: "995"
 2. And say: "Seven, three, four"
→ Display: "995734"

• Adding Entry by Phone

1. Press  button.
2. Say "Phonebook".
3. Say "Add Entry" after prompt.
4. Say "By Phone" to proceed.
5. Say "Yes" to confirm.
6. Your phone will start to transfer phone/contact list to the audio system.
This process may take over 10 minutes depending on the phone model and number of entries
7. Wait till the audio displays "Transfer Complete" message.


• Changing Name

The registered names can be modified.

1. Press  button.
2. Say "Phonebook"
3. Say "Change Name" after prompt.
4. Say the name of the entry (voice tag)
5. Say "Yes" to confirm.
6. Say new desired name.


• Deleting Name

The registered names can be deleted.

1. Press  button.
2. Say "Phonebook"
3. Say "Delete Name" after prompt.
4. Say the name of the entry (voice tag)
5. Say "Yes" to confirm.

■ Making a Phone Call**• Calling by Name**

A phone call can be made by speaking names registered in the audio system.

1. Press  button.
2. Say "Call".
3. Say "Name" when prompted.
4. Say desired name (voice tag).
5. Say desired location (phone number type). Only stored locations can be selected.
6. Say "Yes" to confirm and make a call.


***Tip**

A shortcut to each of the following functions is available:

1. Say "Call Name"
2. Say "Call <john>"
3. Say "Call <john> at <home>"

• Dialing by Number

A phone call can be made by dialing the spoken numbers. The system can recognize single digits from zero to nine.

1. Press  button.
2. Say “Call”.
3. Say “Number” when prompted.
4. Say desired phone numbers.
5. Say “Dial” to complete the number and make a call.

*Tip




A shortcut to each of the following functions is available:

1. Say “Dial Number”
2. Say “Dial <digit>”

■ Receiving a Phone Call



When receiving a phone call, a ring tone is audible from speakers and the audio system changes into telephone mode.

When receiving a phone call, “Incoming” message and incoming phone number (if available) are displayed on the audio.

- To Answer a Call:
 - Press  button on the steering wheel.
- To Reject a Call:
 - Press  button on the steering wheel.
- To Adjust Ring Volume:
 - Use VOLUME buttons on the steering wheel.
- To Transfer a Call to the Phone (Secret Call):
 - Press and hold  button on the steering wheel until the audio system transfers a call to the phone.

■ Talking on the Phone

When talking on the phone, “Active Calls” message and the other party’s phone number (if available) are displayed on the audio.

- To Mute the Microphone
 - Press  button on the steering wheel.
- To Finish a Call
 - Press  button on the steering wheel.

* NOTICE

In the following situations, you or the other party may have difficulty hearing each other:

1. Speaking at the same time, your voice may not reach each other parties. (This is not a malfunction.) Speak alternately with the other party on the phone.
2. Keep the Bluetooth® volume to a low level. High-level volume may result in distortion and echo.
3. When driving on a rough road.
4. When driving at high speeds.
5. When the window is open.
6. When the air conditioning vents are facing the microphone.
7. When the sound of the air conditioning fan is loud.

■ Using the head unit as Bluetooth music

The head unit supports A2DP (Audio Advanced Distribution Profile) and AVRCP (Audio Video Remote Control Profile).

Both profiles are available for listening to the MP3 music via Bluetooth cellular phone supporting above Bluetooth profiles.

To play MP3 music from the Bluetooth cellular phone, press the [AUX] button until "MP3 Play" is displayed on the LCD. Then try playing music by phone.

When playing music from the Bluetooth cellular phone, the head unit displays MP3 MODE.

Note:

- **Not only MP3 files, all the sounds that the phone supports can be heard by the audio system.**
- **The Bluetooth cellular phones shall feature A2DP and AVRCP functions.**
- **Some A2DP and AVRCP Bluetooth cellular phones may not play music through the head unit on first try. Please try the below;
i.e : Menu→File manager→Music→Option→Play via Bluetooth**
- **Please refer to User's Guide of your phone for more detailed informations. To stop music, try stop music by the phone and change audio mode to different one. (e.g. FM, CD, iPod, ...)**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

IC Warning

Operation of this device is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.