

## Knowing your Vehicle

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 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 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.

### **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.

### **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/CDRW 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 maybe defective, not the CD player.

## **Using RADIO, SETUP, VOLUME AUDIO CONTROL**

### **1. "FM" Button**

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

### **2. "AM" Button**

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

### **3. "SEEK" Button**

- When the button is pressed, it increases the band frequency to automatically select channel. Stops at the previous frequency if no channel is found.
- When the button is pressed, it reduces the band frequency to automatically select channel. Stops at the previous frequency if no channel is found.

### **4. "AST" Button(AUTO STORE Button)**

When the button is pressed, it automatically selects and saves channels with high reception rate to PRESET buttons

1~6 and plays the channel saved in PRESET1. If no channel is saved after AST, it will play the previous channel.

- When the button is pressed for longer than 0.8 second, it automatically scans the radio preset station upwards.
- Press the button again to stop the scan feature and to listen to the currently selected channel.

### **5. Knob**

If the knob is turned clockwise/counterclockwise, the volume will increase/decrease.

## Using CD Player

### 1. Button (CD)

If the CD is loaded, turns to CD mode. If no CD, it displays "No Media" for 3 seconds and returns to the previous mode.

### 2. Button

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

### 3. Button

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

### 4. Button

Press the button to play the select song.

### 5. Button

Displays the information of the current CD TRACK(FILE) as below when the button is pressed each time.

- CDDA : Disc Title, Disc Artist, Track Title, Track Artist, Total Track.
- MP3/WMA : File Name, Title, Artist, Album, Folder, Total File. (not displayed if the information is not available on the DISC.)

### **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.
  - 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 device 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.
  - 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 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.
  - Playing videos through the USB is not supported.
  - 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.

**BLUETOOTH® PHONE OPERATION** (if equipped)

1. "VOLUME" button : Raises or lowers speaker volume.
2. "MUTE" button : Mute the microphone during a call.
3. "PHONE" button : Places and transfers calls.
4. "HANGOFF" 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 control, etc. For more information, visit the Bluetooth® website at [www.Bluetooth.com](http://www.Bluetooth.com)

■ General Features

- This audio system supports Bluetooth® hands-free and stereo-headset features.
- HANDS-FREE feature: Making or receiving calls wirelessly.
- STEREO-HEADSET feature: Playing music from cellular phones (that supports A2DP feature) wirelessly.

\* NOTICE

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

## ■ Phone Setup

All Bluetooth®-related operations can be performed in PHONE menu.

1) Push the button to enter SETUP mode. Pairing a phone

Before using Bluetooth® features, the phone must be paired (registered) with the audio system. Up to 5 phones can be paired with 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.
- 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 a Phone" section) or the vehicle's information is removed from the phone.

1. Press button to enter SETUP mode.

2. Select "Phone", then "Pair" in PHONE menu.

3. The audio displays "searching ---- passkey: 0000"

4. 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.

### NOTE:

If the phone is paired to two or more vehicles of the same model, i.e. both vehicles are HYUNDAI AZERA, 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 AZERA to AZERA1 and AZERA2.

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

- **Connecting a 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 to enter SETUP mode.
2. Select "Phone", then "Select" in PHONE menu.
3. Select desired phone name from the list shown.

- **Deleting a Phone**

The paired phone can be deleted.

- When the phone is deleted, all the information associated with that phone is also 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 to enter SETUP mode.
2. Select "Phone", then "Delete" in PHONE menu.
3. Select desired phone name from the list shown.

**\* 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.



### ■ Bluetooth® Audio Music Streaming

This audio system 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 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→Filemanager→Music→ Option→Play via Bluetooth

- Please refer to User's Guide of your phone for more. To stop music, try stop playing music from the phone then change the audio mode to other than "MP3 Play" mode (e.g. FM, AM, CD, etc.)

## **FCC Warning**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

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