

User's Manual

TQ Audio
AC110GDGN

Hyundai MOBIS Co., Ltd.

SYSTEM CONTROLLERS AND FUNCTIONS

✱ Display and settings may differ depending on the selected audio.

Audio Head Unit

1.  (EJECT)

- Ejects the disc.

2. 

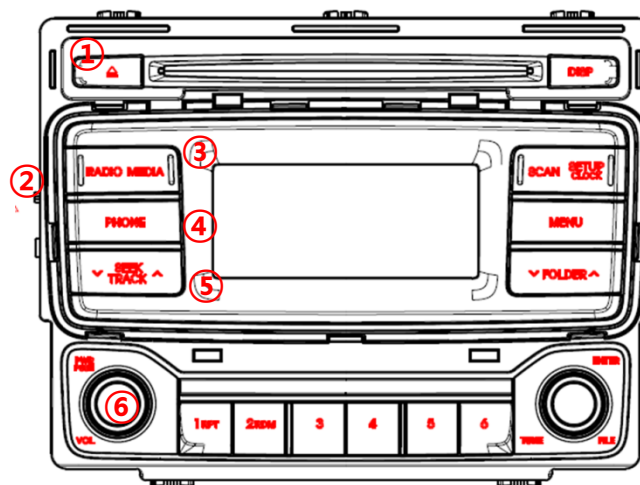
- Changes to FM/AM mode.
- Each time the key is pressed, the mode is changed in order of FM1 → FM2 → FMA → AM → AMA. (✱ For RDS Model)
- Each time the key is pressed, the mode is changed in order of FM1 → FM2 → AM.

✱ In Setup>Display, the radio pop up screen will be displayed when [Mode Pop up] is turned .

When the pop up screen is displayed, use the TUNE knob or keys  ~  to select the desired mode.

3. 

- Changes to CD, USB MP3, iPod, BT MP3, AUX modes.
- Each time the key is pressed, the mode is changed in order of CD, USB, iPod, AUX, My Music, BT Audio.



✱ In Setup>Display, the media pop up screen will be displayed when [Mode Pop up] is turned .

When the pop up screen is displayed, use the TUNE knob or keys  ~  to select the desired mode.

4. 

- Operates Phone Screen

✱ When a phone is not connected, the connection screen is displayed.

5.  , 

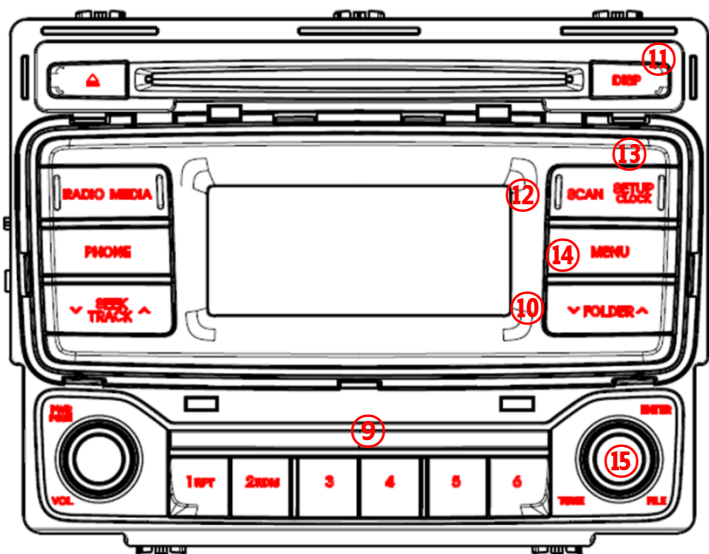
- Radio Mode : Automatically searches for broadcast frequencies.

- CD, USB, iPod, My Music modes
 - Shortly press the key (under 0.8 seconds): Moves to next or previous song (file)

– Press and hold the key (over 0.8 seconds):
Rewinds or fast-forwards the current
song.

6. PWR/VOL knob

- Power Knob: Turns power On/Off by pressing the knob
- Volume Knob: Sets volume by turning the knob left/right



9. **1** ~ **6** (Preset)

- Radio Mode: Saves frequencies (channels) or receives saved frequencies (channels)
- CD, USB, iPod, My Music mode
 - **1 RPT** :Repeat
 - **2 RDM** :Random
- In the Radio, Media, Setup, and Menu pop up screen, the number menu is selected.

10. **PTY**, **FOLDER**

- MP3, CD, USB mode : Folder Search
- iPod mode: Moves to parent folder
- FM : RDS Program Type Search

11. **C** / **DISP**

- Each time the button is shortly pressed (under 0.8 seconds), sets screen Off → Screen On → Screen Off
 - * Audio operation is maintained and only the screen will be turned Off.
- In the screen Off state, press any key to turn the screen On again.

12. **TA SCAN** / **SCAN**

- Radio Mode
 - Press and hold the key (over 0.8 seconds): Previews each broadcast for 5 seconds each
- CD, USB, iPod mode
 - Press and hold the key (over 0.8 seconds): Previews each song (file) for 10 seconds each

* Press the **SCAN** key again to continue listening to the current song (file).

13. **SETUP
CLOCK**

- Shortly press the key (under 0.8 seconds)
: Moves to the Display, Sound, Clock, Phone, System setting modes
- Press and hold the key (over 0.8 seconds)
: Move to the Time setting screen

14. **MEMU**

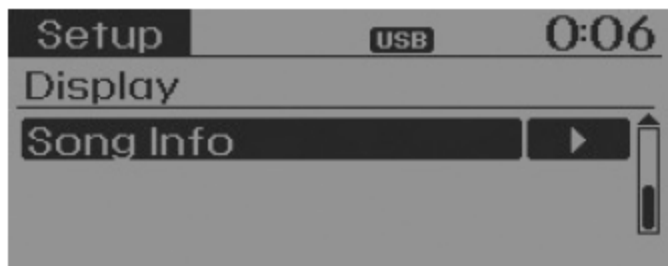
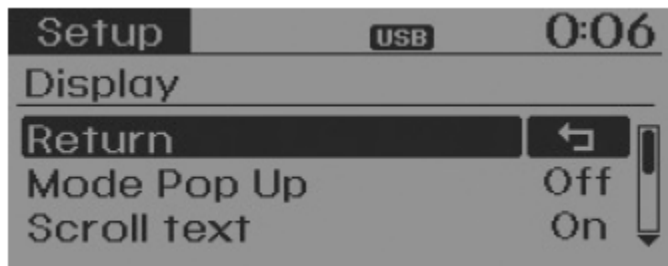
Displays menus for the current mode.

15. TUNE knob

- Radio mode : Changes frequency by turning the knob left/right
- CD, USB, iPod mode: Searches songs (files) by turning the knob left/right
 - * When the desired song is displayed, press the knob to play the song.
- Moves focus in all selection menus and selects menus

DISPLAY SETTINGS

Press the **SETUP** key ► Select [Display] through TUNE knob or **1 RPT** key ► Select menu through TUNE knob



Mode Pop up

[Mode Pop up] ► Changes ☐ On .
selection mode

- During On state, press the **RADIO** or **MEDIA** key to display the mode change pop up screen.

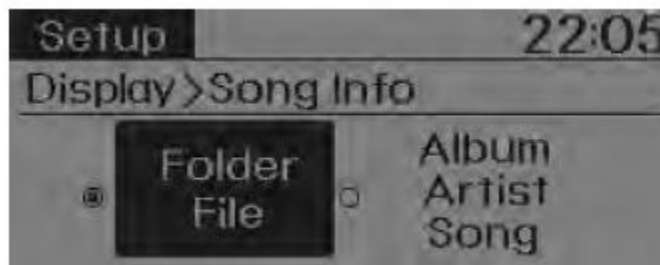
Scroll Text

[Scroll Text] Set ☐ On / ☐ Off

- ☐ On : Maintains scroll
- ☐ Off : Scrolls only one (1) time.

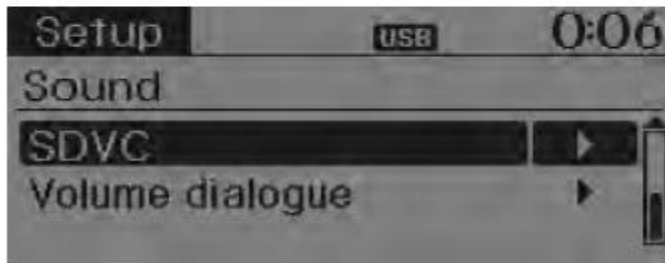
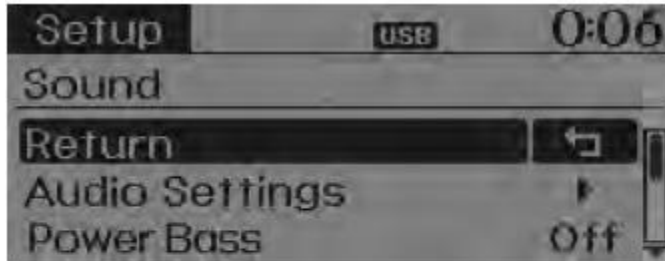
Song Info

When playing an MP3 file, select the desired display info from 'Folder/File' or 'Album/Artist/Song'.



SOUND SETTINGS

Press the **SETUP** key ► Select [Sound]
through TUNE knob or **2 RDM** key ►
Select menu through TUNE knob

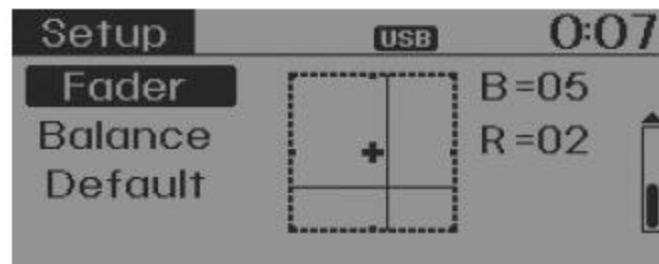
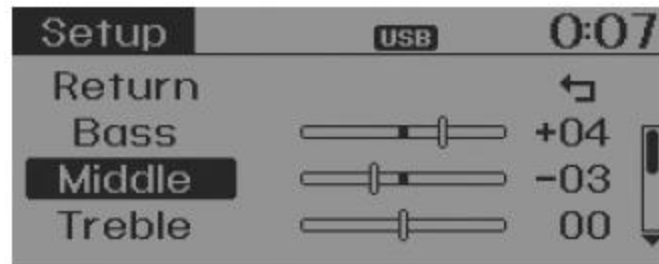


Audio Settings

This menu allows you to set the 'Bass, Middle, Treble' and the Sound Fader and Balance.

Select [Sound Settings] ► Select menu through TUNE knob ► Turn TUNE knob left/right to set

- Bass, Middle, Treble : Selects the sound tone.
- Fader, Balance : Moves the sound fader and balance.
- Default : Restores default settings.
- ✳ Return : While adjusting values, repressing the TUNE knob will restore the parent menu.



Power Bass

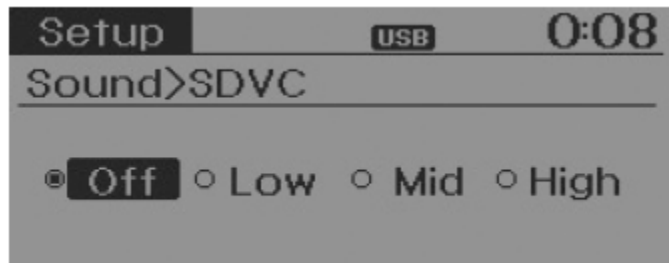
This is a sound system feature that provides live bass.

Select [Power Bass] ► Set ☐ On / ☐ Off through TUNE knob

Speed Dependent Volume Control

This feature is used to automatically control the volume level according to the speed of the vehicle.

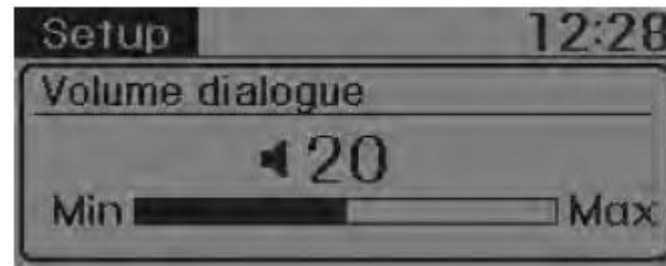
Select [SDVC] ► Set in 4 levels [Off/ Low/Mid/High] of TUNE knob



Volume Dialogue

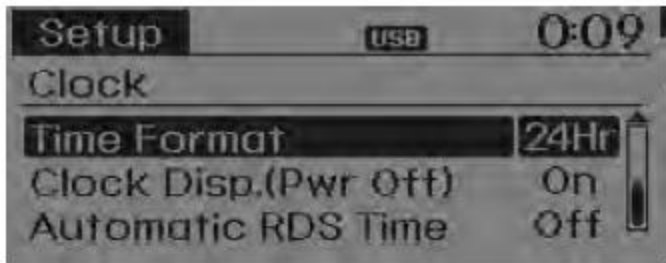
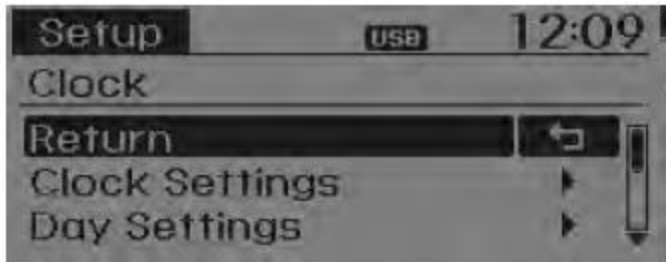
Adjusts voice recognition volume.

Select [Volume Dialogue] ► Set volume of TUNE knob



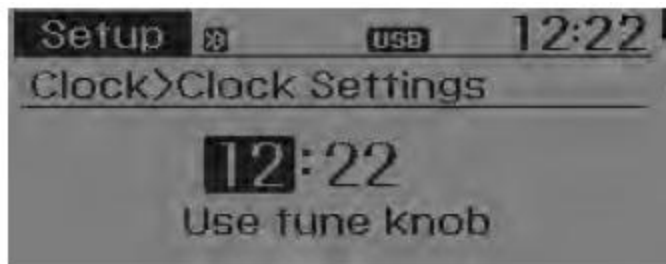
CLOCK SETTINGS

Press the **SETUP** key ► Select [Clock] through TUNE knob or **3** key ► Select menu through TUNE knob



Clock Settings

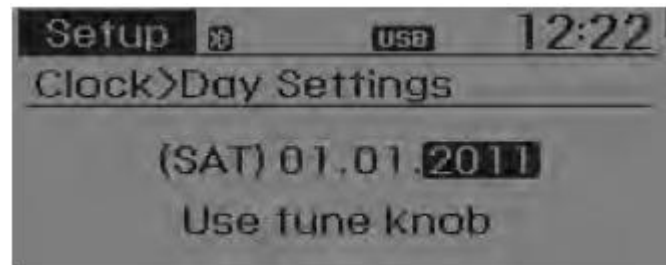
This menu is used to set the time.
Select [Clock Settings] ► Set through TUNE knob ► Press TUNE knob



✱ Adjust the number currently in focus to set the [hour] and press the tune knob to set the [minute].

Day Settings

This menu is used to set the date (DD/MM/YYYY).
Select [Day Settings] ► Set through TUNE knob ► Press TUNE knob



✱ Adjust the number currently in focus to make the settings and press the tune knob to move to the next setting. (Set in order of Day/Month/Year)

Clock Display when Power is OFF

Select [Clock Disp.(Pwr Off)] ► Set **On** / **Off** through TUNE knob

- **On** : Displays time/date on screen
- **Off** : Turn off.

Time Format

This function is used to set the 12/24 hour time format of the audio system. Select [Time Format] ► Set 12Hr / 24Hr through TUNE knob

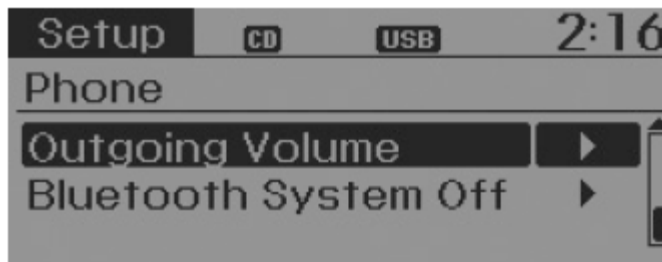
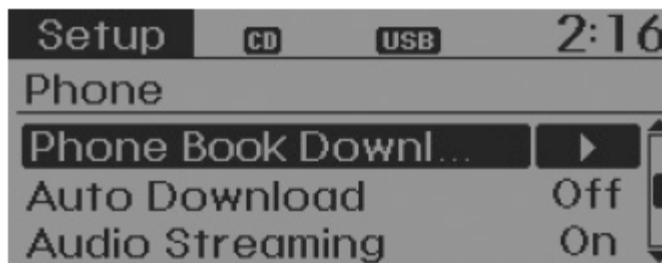
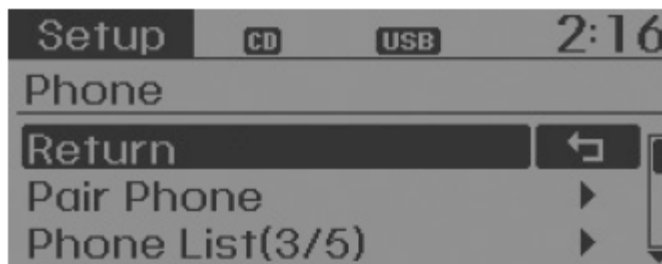
Automatic RDS Time

This option is used to automatically set the time by synchronizing with RDS. Select [Automatic RDS Time] Set ☐ On / ☐ Off through TUNE knob

- ☐ On : Turn on Automatic Time
- ☐ Off : Turn off.

PHONE SETUP (if equipped)

Press the **SETUP** key Select [Phone] through TUNE knob or **4** key Select menu through TUNE knob



Pair Phone

CAUTION

To pair a Bluetooth® Wireless Technology enabled mobile phone, authentication and connection processes are first required. As a result, you cannot pair your mobile phone while driving the vehicle. First park your vehicle before use.

Select [Pair Phone] ► Set through TUNE knob

① Search for device names as displayed on your mobile phone and connect.

② Input the passkey displayed on the screen. (Passkey : 0000)

✳ The device name and passkey will be displayed on the screen for up to 3 minutes. If pairing is not completed within the 3 minutes, the mobile phone pairing process will automatically be canceled.

③ Pairing completion is displayed.

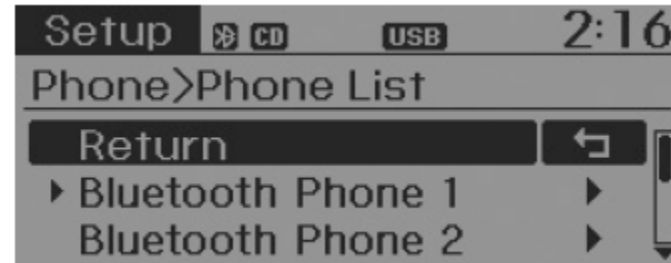
✳ In some mobile phones, pairing will automatically be followed by connection.

✳ It is possible to pair up to five Bluetooth® Wireless Technology enabled mobile phones.

Phone List

The names of up to 5 paired phones will be displayed.

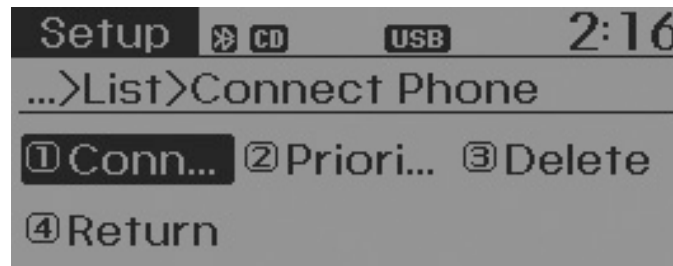
A [►] is displayed in front of the currently connected phone.



Select the desired name to setup the selected phone.

• Connecting a phone

Select [Phone List] ► Select mobile phone through TUNE knob ► Select [Connect Phone]



① Select a mobile phone that is not currently connected.

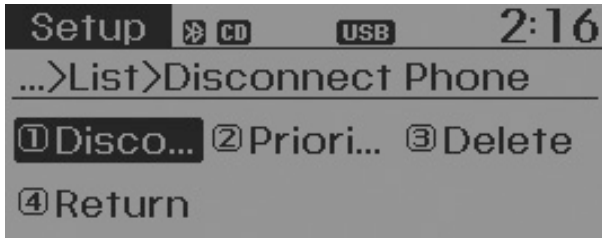
② Connect the selected mobile phone.

③ Connection completion is displayed.

✱ If a phone is already connected, disconnect the currently connected phone and select a new phone to connect.

- Disconnecting a connected phone
Select [Phone List] ► Select mobile phone through TUNE knob ► Select [Disconnect Phone]

① Select the currently connected mobile phone.



② Disconnect the selected mobile phone.

③ Disconnection completion is displayed.

- Changing connection sequence (Priority)

This is used to change the order (priority) of automatic connection for the paired mobile phones.

Select [Phone List] ► Select [Priority] through TUNE knob Select No. 1 Priority mobile phone

① Select [Priority].

② From the paired phones, select the phone desired for No.1 priority.

③ The changed priority sequence is displayed.

✱ Once the connection sequence (priority) is changed, the new no. 1 priority mobile phone will be connected.

– when the no. 1 priority cannot be connected:
Automatically attempts to connect the most recently connected phone.

– Cases when the most recently connected phone cannot be connected:

Attempts to connect in the order in which paired phones are listed.

– The connected phone will automatically be changed to No. 1 priority.

- Delete

Select [Phone List] ► Select mobile phone through TUNE knob ► Select [Delete]

- ① Select the desired mobile phone.
- ② Delete the selected mobile phone.
- ③ Deletion completion is displayed.

✱ When attempting to delete a currently connected phone, the phone is first disconnected.

CAUTION

- When you delete a mobile phone, the mobile phone contacts will also be erased.
- For stable Bluetooth® Wireless Technology communication, delete the mobile phone from the audio and also delete the audio from your mobile phone.

Contacts Download

This feature is used to download contacts and call histories into the audio system.

Select [Contacts Download] ► Select through TUNE knob

CAUTION

- The download feature may not be supported in some mobile phones.
- If a different operation is performed while Contacts are being downloaded, downloading will be discontinued. Contacts already downloaded will be saved.
- When downloading new Contacts, delete all previously saved Contacts before starting download.

Auto Download

When connecting a mobile phone, it is possible to automatically download new Contacts and Call Histories.

Select [Auto Download] ► Set  /  through TUNE knob

Audio Streaming

Songs (files) saved in your Bluetooth® Wireless Technology enabled mobile phone can be played through the audio system.

Select [Audio Streaming] ► Set  through TUNE knob

CAUTION

The Bluetooth® Wireless Technology audio streaming feature may not be supported in some mobile phones.

Outgoing Volume

This is used to set the volume of your voice as heard by the other party while on a Bluetooth® Wireless Technology enabled handsfree call.

Select [Outgoing Volume] ► Set volume through TUNE knob

✱ Even while on a call, the volume can be changed by using the ,  key.

Bluetooth® Wireless Technology System Off

This feature is used when you do not wish to use the Bluetooth® Wireless Technology system.

Select [Bluetooth® Wireless Technology System Off] ► Set through TUNE knob

✱ If a phone is already connected, disconnect the currently connected phone and turn the Bluetooth® Wireless Technology system off.

Using the Bluetooth® Wireless Technology System

To use Bluetooth® Wireless Technology when the system is currently off, follow these next steps.

- Turning On Bluetooth® Wireless Technology through the  Key
Press the  key ► Screen Guidance
✱ Moves to the screen where Bluetooth® Wireless Technology functions can be used and displays guidance.

- Turning On Bluetooth® Wireless

Technology through the **SETUP** Key
Press the **SETUP** key Select [Phone]
through TUNE knob or **3** key

① A screen asking whether to turn on
Bluetooth® Wireless Technology will be
displayed.

② On the screen, select **YES** to turn on
Bluetooth® Wireless Technology and
display guidance.

✱ If the Bluetooth® Wireless Technology
system is turned on, the system will
automatically try to connect the most
recently connected Bluetooth®
Wireless Technology mobile phone.

CAUTION

- Bluetooth® Wireless Technology
connection may become intermittently
disconnected in some
mobile phones. Follow these next
steps to try again.

1) Turn the Bluetooth® Wireless
Technology function within the
mobile phone ON/OFF and try to
connect again.

2) Turn the mobile phone power
ON/OFF and try to connect again.

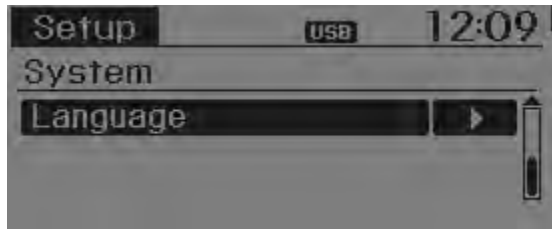
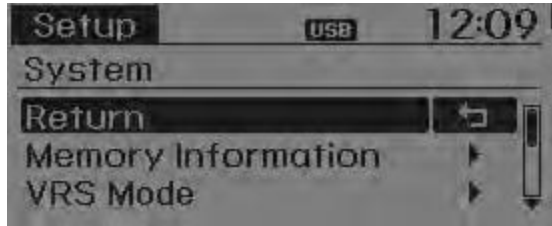
3) Completely remove the mobile
phone battery, reboot, and then
try to connect again.

4) Reboot the audio system and try
to connect again

5) Delete all paired devices in your
mobile phone and the audio system
and pair again for use.

SYSTEM SETTINGS

Press the **SETUP** key Select [System]
through tune knob or **5** key ► Select
menu through TUNE knob



Memory Information (if equipped)

Displays currently used memory and
total system memory.

Select [Memory Information] ► OK

The currently used memory is displayed
on the left side while the total system
memory is displayed on the right side.



VRS mode

This feature is used to change voice
command feedback between Normal and
Expert modes.

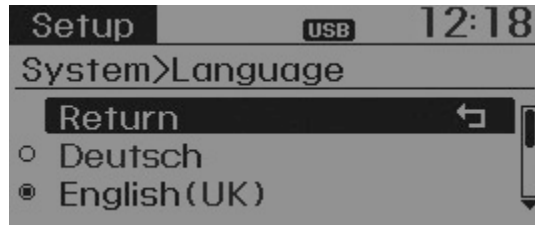
Select [VRS mode] ► Set through
TUNE knob

- Normal : This mode is for beginner users and provides detailed instructions during voice command operation.
- Expert : This mode is for expert users and omits some information during voice command operation. (When using Expert mode, guidance instructions can be heard through the [Help] or [Menu] commands.

Language

This menu is used to set the display and voice recognition language.

Select [Language] Set through TUNE knob



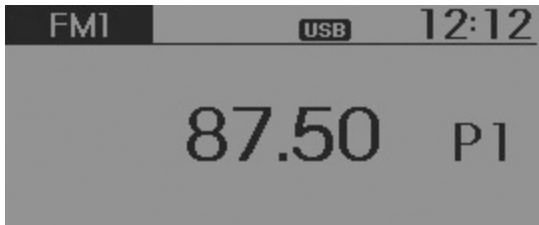
✱ The system will reboot after the language is changed.

✱ Language support by region

Deutsch, English(UK), Français,
Italiano, Español, Nederlands,
Svenska, Dansk, Русский, Polski

RADIO

Changing RADIO mode



Press the **RADIO** key to change the mode in order of FM1 → FM2 → AM.

Press the **FM** or **AM** key to change the mode in order of FM1 → FM2 and AM.

- When the power is off, press the **RADIO** or **FM** **AM** key to turn on the audio system and receive radio broadcasts.

[Mode Pop up] On state : Displays the change radio mode pop up screen.

While the pop up screen is displayed, you can change the radio mode

(**RADIO** : FM1 → FM2 → AM / FM : FM1 → FM2 / AM : AM) through the tune knob or 1 ~ 5 keys.

Adjust Volume

Turn the VOL knob left/right to adjust the volume.

current

broadcast frequency.

SEEK

Press the **RADIO** (**FM** , **AM**) key ►
SEEK **TRACK**

- Shortly pressing the key (under 0.8 seconds): Changes the frequency.
- Pressing and holding the key (over 0.8 seconds): Automatically searches for the next frequency.

Preset SEEK

Press the **RADIO** (**FM** , **AM**) key ►
1 ~ 6

- Shortly pressing the key (under 0.8 seconds): Plays the frequency saved in the corresponding key.
- Pressing and holding the key (over 0.8 seconds): Pressing and holding the desired key from 1 ~ 6 will save the currently playing broadcast to the selected key and sound a BEEP.

SCAN

Press the **RADIO** (**FM** , **AM**) key ►
SCAN

- Shortly pressing the key (under 0.8 seconds): The broadcast frequency increases and previews each broadcast for 5 seconds each. After scanning all frequencies, returns and plays the current broadcast frequency.

- Pressing and holding the key (over 0.8 seconds): Previews the broadcasts saved in Preset 1 ~ 6 for 5 seconds each.

Press the **RADIO** (**FM** , **AM**) key ► **SCAN**

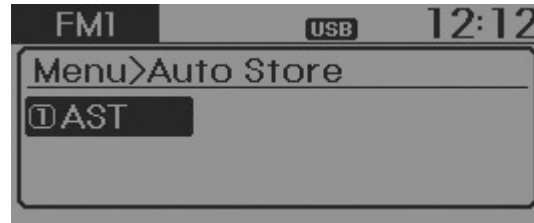
- Pressing and holding the key (over 0.8 seconds): The broadcast frequency increases and previews each broadcast for 5 seconds each. After scanning all frequencies, returns and plays the current broadcast frequency.

Selecting through manual search

Turn the TUNE knob left/right to adjust the frequency.

MENU

Within **MENU** key are the A.Store (Auto Store) and Info functions.



AST (Auto Store)

Press the **MENU** key ► Set [AST] through TUNE knob or **1 RPT** key.

Select AST (Auto Store) to save frequencies with superior reception to presets 1 ~ 6 . If no frequencies are received, then the most recently received frequency will be broadcast.

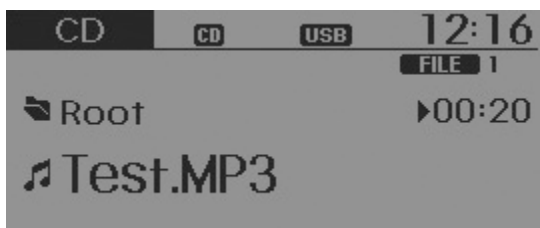
BASIC METHOD OF USE :

Audio CD / MP3 CD / USB /

iPod / My Music

Press the **MEDIA** key to change the mode in order of CD→USB(iPod)→AUX→My Music→BT Audio.

The folder/file name is displayed on the screen.

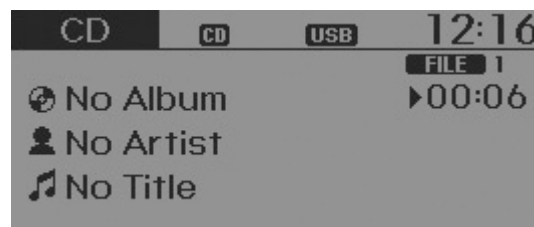


* The CD is automatically played when a CD is inserted.

* The USB music is automatically played when a USB is connected.

Press the **SETUP** key Select [Display] through the TUNE knob or **1 RPT** key Select [Song Info] ► Media Display

• [Song Info] : The screen display info can be changed to Album/Artist/ Song name.



Repeat

While song (file) is playing ► **1 RPT** (RPT) key

Audio CD, MP3 CD, USB, iPod, My Music mode: RPT on screen

• To repeat one song (Shortly pressing the key (under 0.8 seconds)): Repeats the current song.

MP3 CD, USB mode: FLD.RPT on screen

• To repeat folder (Pressing and holding the key (over 0.8 seconds)): repeats all files within the current folder.

* Press the **1 RPT** key again to turn off repeat.

* Upgrade models are toggled mode as follows whenever it pressed RPT button.
(RPT→FLD.RPT→OFF)

Random

While song (file) is playing ►  (RDM) key

Audio CD, My Music mode: RDM on screen

- Random (Shortly pressing the key (under 0.8 seconds)): Plays all songs in random order.

MP3 CD, USB mode: FLD.RDM on screen

- Folder Random (Shortly pressing the key (under 0.8 seconds)): Plays all files within the current folder in random order.

iPod mode: ALB RDM on screen

- Album Random (Shortly pressing the key (under 0.8 seconds)): Plays all files within albums of the current category in random order.

MP3 CD, USB, iPod mode: ALL RDM on screen

- All Random (pressing and holding the key (over 0.8 seconds)): Plays all files in random order.

* Press the  key again to turn off repeat.

Audio CD, My music mode :

- RDM→OFF

MP3 CD, USB mode :

- FLD.RDM→ALL.RDM→OFF

iPod mode :

ALB RDM→ALL RDM→OFF

* Upgrade models are toggled mode as follows whenever it pressed RDM button.

Changing Song/File

While song (file) is playing ►  key

- Shortly pressing the key (under 0.8 seconds): Plays the current song from the beginning.

* If the  key is pressed again within 1 second, the previous song is played.

- Pressing and holding the key (over 0.8 seconds): Rewinds the song.

While song (file) is playing ►  key

- Shortly pressing the key (under 0.8 seconds): Plays the next song.
- Pressing and holding the key (over 0.8 seconds): Fast forwards the song.

Scan

While song (file) is playing ► **SCAN** key

- Shortly pressing the key (under 0.8 seconds) : Scans all songs from the next song for 10 seconds each.

While song (file) is playing ► **SCAN** key

- Pressing and holding the key (over 0.8 seconds) : Scans all songs for 10 seconds starting from the next song.

- * Press the **SCAN** key again to turn off.
- * The SCAN function is not supported in iPod mode.

Folder Search : MP3 CD, USB Mode

While file is playing ► **PTY** , **FOLDER** (Folder Up) key

- Searches the next folder.

While file is playing ► **FOLDER** (Folder Down) key

- Searches the parent folder.
- * If a folder is selected by pressing the TUNE knob, the first file within the selected folder will be played.
- * In iPod mode, moves to the Parent Folder.

Searching Songs (File)

- Turning TUNE knob : Searches for songs (files)
- Pressing TUNE knob : Plays selected song (file).

Bluetooth® Wireless Technology AUDIO

What is Bluetooth® Wireless Technology?

Bluetooth® Wireless Technology 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 controller, etc. For more information, visit the Bluetooth® Wireless Technology website at www.Bluetooth.com

Before using Bluetooth® Wireless
Technology audio features

- Bluetooth® Wireless Technology audio may not be supported depending on the compatibility of your Bluetooth® Wireless Technology mobile phone.
 - In order to use Bluetooth® Wireless Technology audio, you must first pair and connect the Bluetooth® Wireless Technology mobile phone.
 - Bluetooth® Wireless Technology audio can be used only when the [Audio Streaming] of Phone is turned ON .
- ✱ Setting Bluetooth® Wireless Technology Audio Streaming : Press the **SETUP** key ► Select [Phone] through the tune

knob or **3** key ► Select [Audio Streaming] through the TUNE knob ► Set **On** / **Off**

Starting Bluetooth® Wireless Technology Audio

- Press the **MEDIA** key to change the mode in order of CD→USB→AUX→My Music→BT Audio.
 - If BT Audio is selected, Bluetooth® Wireless Technology audio will start playing.
- ✱ Audio may not automatically start playing in some mobile phones.

Using the Bluetooth® Wireless Technology audio features

- Play / Stop
- Press the TUNE knob to play and pause the current song.



- ✱ The previous song / next song / play / pause functions may not be supported in some mobile phones.

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.

IC Warning

"This device complies with Industry Canada licence-exempt RSS standard(s)."

Operation is subject to the following 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas provoquer de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.