

Phone Book

Press the **PHONE** key ▶ Select [Phone book]



The list of saved phone book entries is displayed. Press the [Download] button to download the call history.

- 1) Contact List :
 - Displays downloaded phone book entries
 - Connects call upon selection
- 2) Download : Download phone book entries

*** NOTICE**

- Up to 1,000 phone book entries can be copied into car phone book.
- Upon downloading phone book data, previously saved phone book data will be deleted.
- Downloading is not possible if the phone book download feature is turned off within the *Bluetooth®* Wireless Technology device. Also, some devices may require device authorization upon attempting to download. If downloading cannot be normally conducted, check the *Bluetooth®* Wireless Technology device setting or the screen state.
- Caller ID information will not be displayed for unsaved callers.
- The download feature may not be supported in some mobile phones. Check to see that the *Bluetooth®* Wireless Technology device supports the download feature.

Bluetooth® Wireless Technology (for Bluetooth® Wireless Technology equipped model)

Pairing a Bluetooth® Wireless Technology wireless technology Device

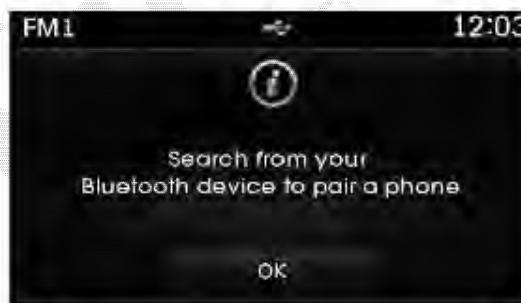
What is Bluetooth® Wireless Technology Pairing?

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 **OK** button to enter the Pair Phone screen.



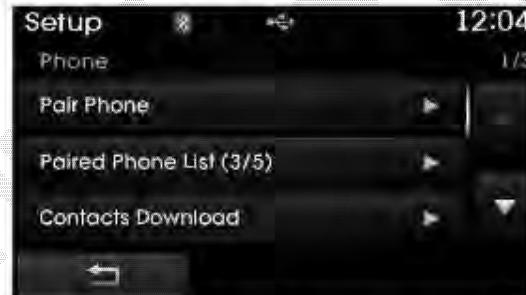
- 1) Device : Name of device as shown when searching from your *Bluetooth® Wireless Technology* device
- 2) Passkey : Passkey used to pair the device
3. From your *Bluetooth® Wireless Technology* device (i.e. Mobile Phone), search and select your car audio system.
4. After a few moments, a screen is displayed where the passkey is entered. Here, enter the passkey "0000" to pair your *Bluetooth® Wireless Technology* device with the car audio system.
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 **[C]** key on the steering remote controller 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 **SETUP** key ▶ Select **[Phone]** ▶ Select **[Pair Phone]** ▶ Select **TUNE** knob



- The following steps are the same as the steps described in the "When No Devices have been Paired" section.

*** NOTICE**

- The waiting period during phone pairing will last for one minute. The pairing process will fail if the device is not paired within the given time. If the pairing process fails, you must start the process from the beginning.
- Generally, most *Bluetooth® Wireless Technology* devices will automatically connect once pairing is complete. However, some devices may require a separate verification process to connect. Check to see whether *Bluetooth® Wireless Technology* has been properly connected within your mobile phone.
- List of paired *Bluetooth® Wireless Technology* devices can be viewed at **SETUP** ▶ **[Phone]** ▶ **[Paired Phone List]**.

Connecting a Device

Press the **SETUP** 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 press the **button**.



Changing Priority

What is Priority?

It is possible to pair up to five *Bluetooth®* Wireless Technology devices with the car audio system. As a result, the "Change Priority" feature is used to set the connection priority of paired phones. However, the most recently connected phone will always be set as the highest priority.

Press the **SETUP** key▶Select [Phone]▶Select [Paired Phone List]



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



* NOTICE

When a device is currently connected, even if you change the priority to a different device, the currently connected phone will always be set as the highest priority.

Disconnecting a Device

Press the **SETUP** key▶Select [Phone]▶Select [Paired Phone List]



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

Deleting a Device

Press the **SETUP** key▶Select [Phone]▶Select [Paired Phone List]



From the paired phone list, select the device you want to delete and press the **button**.

* NOTICE

- When deleting the currently connected device, the device will automatically be disconnected to proceed with the deleting process.
- If a paired Bluetooth® Wireless Technology device is deleted, the device's call history and contacts data will also be deleted.
- To re-use a deleted device, you must pair the device again.

USING Bluetooth® Wireless Technology

Phone Menu Screen

Phone Menus

With a Bluetooth® Wireless Technology device connected, press the PHONE key to display the Phone menu screen.



- 1) Dial Number : Displays the dial screen where numbers can be dialed to make calls
- 2) Call History : Displays the call history list screen
- 3) Contacts : Displays the Contacts list screen

- 4) Setup : Displays Phone related settings

* NOTICE

- If you press the [Call History] button but there is no call history data, a prompt is displayed which asks whether to download call history data.
- If you press the [contacts] button but there is no contacts data, a prompt is displayed which asks whether to download contacts data.
- This feature may not be supported in some mobile phones. For more information on download support, refer to your mobile phone user's manual.

Calling by Dialing a Number

Press the [PHONE] key▶Select [Dial Number]

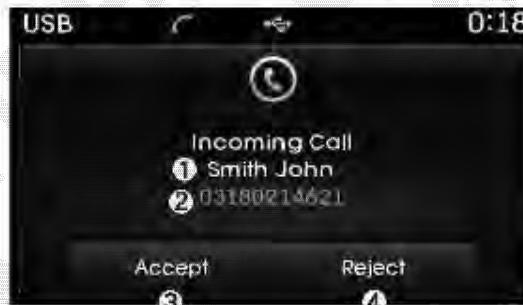


- 1) Dial Pad : Used to enter phone number
- 2) Call : If a number has been entered, calls the number. If no number has been entered, switches to call history screen
- 3) End : Deletes the entered phone number
- 4) Delete : Deletes entered numbers one digit at a time

Answering Calls

Answering a Call

Answering a call with a Bluetooth® Wireless Technology device connected will display the following screen.



- 1) Caller : Displays the other part's name when the incoming caller is saved within your contacts
- 2) Incoming Number : Displays the incoming number
- 3) Accept : Accept the incoming call
- 4) Reject : Reject the incoming call

* NOTICE

- When the incoming call pop-up is displayed, most Audio and SETUP mode features will not operate. Only the call volume can be operated.
- The telephone number may not be properly displayed in some mobile phones.
- When a call is answered with the mobile phone, the call mode will automatically convert to Private mode.

Features of your vehicle

During a Handsfree Call



- 1) Caller : Displays the other party's name if the incoming caller is saved within your contacts
- 2) Incoming Number : Displays the incoming number
- 3) Call time : Displays the call time
- 4) End : Ends call
- 5) Private : Converts to Private mode
- 6) Out Vol. : Sets call volume as heard by the other party
- 7) Mute : Turns Mic Mute On/Off

* NOTICE

If the mic is muted, the other party will not be able to hear your voice.

Call History

Press the [PHONE] key ▶ Select [Call History]



②

A list of incoming, outgoing and missed calls is displayed.

Press the Download button to download the call history.

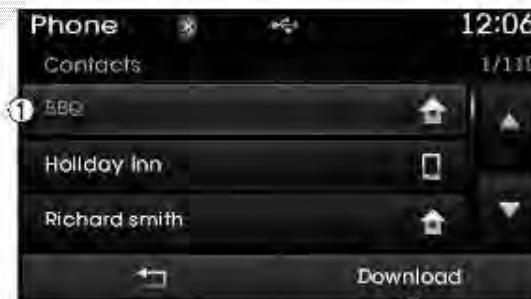
1) Call History :

- Displays recent calls (call history)
- Connects call upon selection

2) Download : Download Recent Call History

Contacts

Press the [PHONE] key ▶ Select [Contacts]



②

The list of saved phone book entries is displayed. Press the Download button to download the call history.

1) Contacts List :

- Displays downloaded contacts entries
- Connects call upon selection

2) Download : Download contacts entries

*** NOTICE**

- Up to 1,000 contacts entries can be copied into car contacts.
- Upon downloading contacts data, previously saved contacts data will be deleted.
- Downloading is not possible if the contacts download feature is turned off within the *Bluetooth®* Wireless Technology device. Also, some devices may require device authorization upon attempting to download. If downloading cannot be normally conducted, check the *Bluetooth®* Wireless Technology device setting or the screen state.
- Caller ID information will not be displayed for unsaved callers.
- The download feature may not be supported in some mobile phones. Check to see that the *Bluetooth®* Wireless Technology device supports the download feature.

* NOTICE - USING THE Voice Recognition

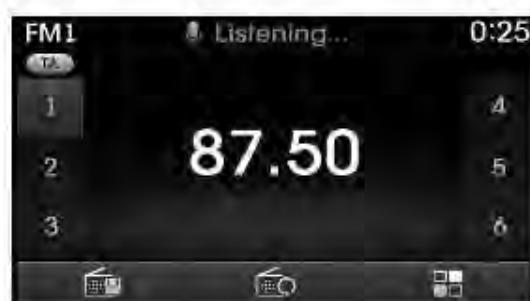
- When using the voice recognition feature, only commands listed within the user's manual are supported.
- Be aware that during the operation of the voice recognition system, pressing any key other than the  key or touching the screen will terminate voice recognition mode.
- For superior voice recognition performance, position the microphone used for voice recognition above the head of the driver's seat and maintain a proper position when saying commands.
- Within the following situations, voice recognition may not function properly due to external sound.
 - When the windows and sunroof are open
 - When the wind of the cooling / heating device is strong
 - When entering and passing through tunnels
 - When driving on rugged and uneven roads
 - During severe rain (heavy rains, windstorms)
- Phone related voice commands can be used only when a Bluetooth® Wireless Technology device is connected.
- When making calls by stating a name, the corresponding contact must be downloaded and stored within the audio system.
- After downloading the Bluetooth® Wireless Technology phone book, it takes some times to convert the phone book data into voice information. During this time, voice recognition may not properly operate.
- Pronounce the voice commands naturally and clearly as if in a normal conversation.

VOICE RECOGNITION (if equipped)

Using Voice Recognition

Starting Voice Recognition

Shortly press the  key on the steering remote controller .Say a command



If voice recognition is in [Normal Mode], then the system will say "Please say a command. Beep~"

- If voice recognition is in [Expert Mode], then the system will only say a "Beep~"
- To change the Normal Mode/Expert Mode setting, go to **SETUP** ▶[System] ▶[Prompt Feedback].

* NOTICE

For proper recognition, say the command after the voice instruction and beep tone.

Skipping Prompt Messages

While prompt message is being stated▶Shortly press the  key on the steering remote controller (under 0.8 seconds)

The prompt message is immediately ended and the beep tone will sound. After the "beep", say the voice command.

Re-starting Voice Recognition

While system waits for a command▶Shortly press the  key on the steering remote controller (under 0.8 seconds)

The command wait state is immediately ended and the beep ton will sound. After the "beep", say the voice command.

ENDING VOICE RECOGNITION

While Voice Recognition is operating

- ▶ Press and hold the  key on the steering remote controller (over 0.8 seconds)

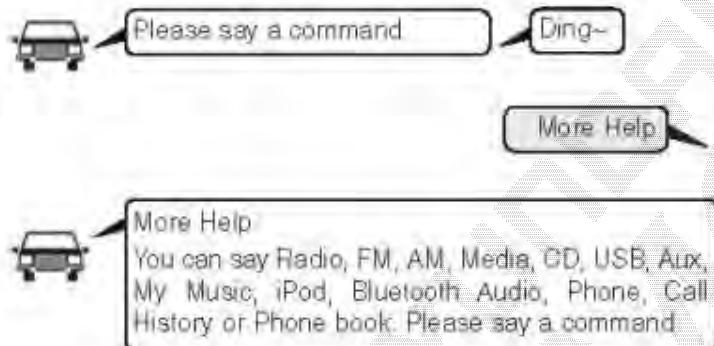
* NOTICE

- While using voice command, pressing a steering wheel remote control or a different key will end voice command.
- In a state where the system is waiting for a voice command, say "cancel" or "end" to end voice command.
- In a state where the system is waiting for a voice command, press and hold the  key on the steering remote controller to end voice command.

* Illustration on using voice commands

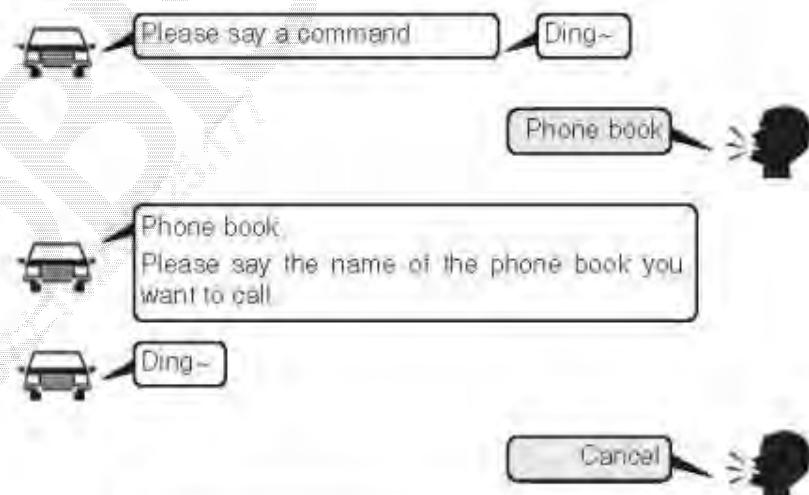
• Starting voice command.

Shortly pressing the key (under 0.8 seconds):

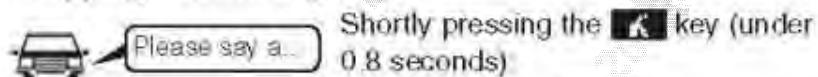


• End voice command.

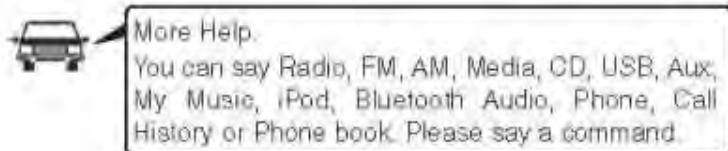
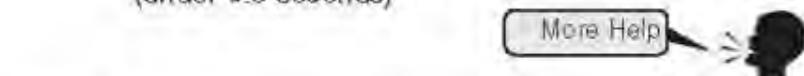
Shortly pressing the key (under 0.8 seconds).



• Skipping Voice Recognition



Shortly pressing the key (under 0.8 seconds)



Voice Command List

- Common Commands: These are commands that can be used in all situations. (However, some commands may not be supported in special circumstances.)

Command	Function
More Help	Provides guidance on commands that can be used anywhere in the system.
Help	Provides guidance on commands that can be used within the current mode.
Call<Name>	Calls <Name> saved in phone book Ex) Call "John"
Phone	Provides guidance on Phone related commands. After saying this command, say "Call History", "Phone book", "Dial Number" to execute corresponding functions.
Call History	Displays the Call History screen.
Phone book	Displays the phone book screen. After saying this command, say the name of a phone book saved in the phone book to automatically connect the call.
Dial Number	Display the Dial number screen. After saying this command, you can say the number what you want to call.
Redial	Connects the most recently called number.
Radio	<ul style="list-style-type: none"> • When listening to the radio, displays the next radio screen. (FM1 → FM2 → FMA → AM → AMA) • When listening to a different mode, displays the most recently played radio screen.

Command	Function
FM	<ul style="list-style-type: none"> • When currently listening to the FM radio, maintains the current state. • When listening to a different mode, displays the most recently played FM screen.
FM1(FM One)	Displays the FM1 screen.
FM2(FM Two)	Displays the FM2 screen.
FMA	Displays the FMA screen.
AM	Displays the AM screen.
AMA	Displays the AMA screen.
FM Preset 1~6	Plays the most recently played broadcast saved in FM Preset 1~6.
AM Preset 1~6	Plays the broadcast saved in AM Preset 1~6.
FM 87.5~107.9	Plays the FM broadcast of the corresponding frequency.
AM 530~1710	Plays the AM broadcast of the corresponding frequency.
TA on	Enable Traffic Announcement
TA off	Disable Traffic Announcement
News on	Enable RDS News feature
News off	Disable RDS News feature

Command	Function
Media	Moves to the most recently played media screen.
Play Track 1~30	If a music CD has been inserted, plays the corresponding track.
CD	Plays the music saved in the CD.
Search CD	Moves to the CD track or file selection screen. • For audio CDs, move to the screen and say the track number to play the corresponding track. • Moves to MP3 CD file selection screen. After manually operate the device to select and play music.
USB	Plays USB music.
Search USB	Moves to USB file selection screen. After manually operate the device to select and play music.
iPod	Plays iPod music.
Search iPod	Moves to the iPod file selection screen. After, manually operate the device to select and play music.
My Music	Plays the music saved in My Music.
Search My Music	Moves to My Music file selection screen. After manually operate the device to select and play music.

Command	Function
AUX (Auxiliary)	Plays the connected external device.
Bluetooth Audio	Plays the music saved in connected Bluetooth® Wireless Technology device.
Mute	Mutes the radio or music volume.
Pardon?	Repeats the most recent comment.
Cancel (Exit)	Ends voice command.

Features of your vehicle

- FM/AM radio commands: Commands that can be used while listening to FM, AM radio.

Command	Function
Preset 1~6	Plays the broadcast saved in Preset 1~6.
Auto Store	Automatically selects radio broadcast frequencies with superior reception and saves in Presets 1~6.
Preset Save 1~6	Saves the current broadcast frequency to Preset 1~6.
Seek up	Plays the next receivable broadcast.
Seek down	Plays the previous receivable broadcast.
Next Preset	Selects the preset number next to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 4 will be selected.)
Previous Preset	Selects the preset number previous to the most recently selected preset. (Example: When currently listening to preset no. 3, then preset no. 2 will be selected.)
Scan	Scans receivable frequencies from the current broadcast and plays for 10 seconds each.
Preset Scan	Moves to the next preset from the current present and plays for 10 seconds each.
AF on	Enable Alternative Frequency feature
AF off	Disable Alternative Frequency feature
Region	Enable Region feature

- Audio CD commands: Commands that can be used while listening to Audio CD.

Command	Function
Region off	Disable Region feature
Program Type	Moves to the RDS Program type selection screen. After, manually operate the device to select a desired program type.
Random	Randomly plays the tracks within the CD.
Random Off	Cancels random play to play tracks in sequential order.
Repeat	Repeats the current track.
Repeat Off	Cancels repeat play to play tracks in sequential order.
Next Track	Plays the next track.
Previous Track	Plays the previous track.
Scan	Scans the tracks from the next track for 10 seconds each.
Track 1~30	Plays the desired track number.
Search Track	Moves to the track selection screen. After, say the track name to play the corresponding track.
Information	Displays the information screen of the current track.

- MP3 CD / USB commands: Commands that can be used while listening to music files saved in CD and USB.

Command	Function
Random	Randomly plays the files within the current folder.
All Random	Randomly plays all saved files.
Random Off	Cancels random play to play files in sequential order.
Repeat	Repeats the current file.
Folder Repeat	Repeats all files in the current folder.
Repeat Off	Cancels repeat play to play files in sequential order.
Next File	Plays the next file.
Previous File	Plays the previous file.
Scan	Scans the files from the next files for 10 seconds each.
Search File	Moves to the file selection screen.
Search Folder	Moves to the folder selection screen.
Information	Displays the information screen of the current file.
Copy	Copies the current file into My Music.

- iPod Commands: Commands that can be used while playing iPod.

Command	Function
All Random	Randomly plays all saved songs.
Random	Randomly plays the songs within the current category.
Random Off	Cancels random play to play songs in sequential order.
Repeat	Repeats the current song.
Repeat Off	Cancels repeat play to play songs in sequential order.
Next Song	Plays the next song.
Previous Song	Plays the previous song.
Search Song	Moves to the song selection screen.
Information	Displays the information screen of the current song.

Features of your vehicle

- My Music Commands: Commands that can be used while playing My Music.

Command	Function
Random	Randomly plays all saved files.
Random Off	Cancels random play to play files in sequential order.
Repeat	Repeats the current file.
Repeat Off	Cancels repeat play to play files in sequential order.
Next File	Plays the next file.
Previous File	Plays the previous file.
Scan	Scans the files from the next files for 10 seconds each.
Search File	Moves to the file selection screen.
Information	Displays the information screen of the current file.
Delete	Deletes the current file. You will bypass an additional confirmation process.
Delete All	Deletes all files saved in My Music. You will bypass an additional confirmation process.

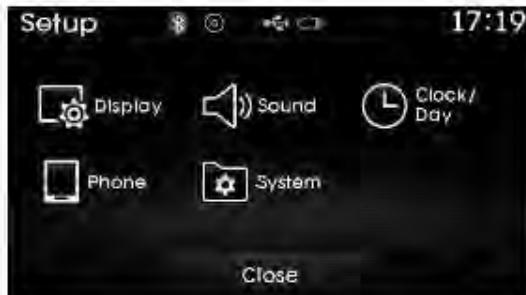
- *Bluetooth®* Wireless Technology Audio Commands: Commands that can be used while playing Phone Music.

Command	Function
Play	Plays the currently paused song.
Pause	Pauses the current song.

SETUP (for RDS, Bluetooth® Wireless Technology equipped model) - AM904DMEE, AM914DMEE

Starting Mode

Press the **SETUP** key to display the Setup screen.



You can select and control options related to [Display], [Sound], [Clock/Day], [Phone] and [System].

Display Settings

Adjusting the Brightness

Press the **SETUP** key▶Select [Display]▶Select [Brightness]



Use the **◀**, **▶** buttons to adjust the screen brightness or set the Brightness on Automatic, Day, or Night mode.

Press the **Default** button to reset.

- 1) Automatic : Adjusts the brightness automatically
- 2) Day : Always maintains the brightness on high
- 3) Night : Always maintains the brightness on low

Pop-up Mode

Press the **SETUP** key▶Select [Display]▶Select [Pop-up Mode]



This feature is used to display the Pop-up Mode screen when entering radio and media modes.

When this feature is turned on, pressing the **RADIO** or **MEDIA** key will display the Pop-up Mode screen.

* NOTICE

The media Pop-up Mode screen can be displayed only when two or more media modes have been connected.

Scroll Text

Press the **SETUP** key▶Select [Display]▶Select [Scroll text]

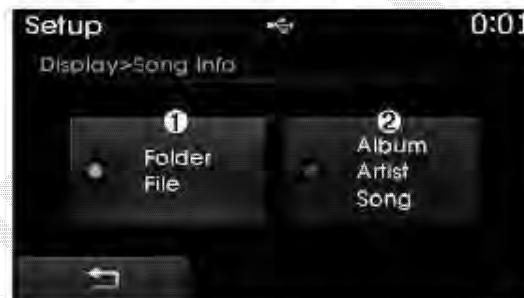


This feature is used to scroll text displayed on the screen when it is too long to be displayed at once.

When turned on, the text is repeatedly scrolled. When turned off, the text is scrolled just once.

MP3 Information Display

Press the **SETUP** key▶Select [Display]▶Select [Song Info]



This feature is used to change the information displayed within USB and MP3 CD modes.

- 1) Folder File : Displays file name and folder name
- 2) Album Artist Song : Displays album name/artist name/song

Sound Settings

Sound Settings

Press the **SETUP** key▶Select [Sound]▶Select [Audio Setting]



Use the **◀, ▶, ▲, ▼** buttons to adjust the Fader/Balance settings.

Use the **◀, ▶** buttons to adjust the Bass/Middle/Treble settings.

Press the **Default** button to reset.

Virtual Sound

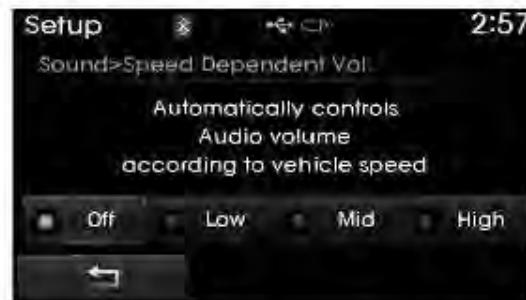
Press the **SETUP** key▶Select [Sound]▶Select [Virtual Sound]



This feature is used to set the Power Bass, Power Treble and Surround sound options.

SDVC (Speed Dependent Volume Control)

Press the **SETUP** key▶Select [Sound]▶Select [Speed Dependent Vol.]



The volume level is controlled automatically according to the vehicle speed. SDVC can be set by selecting from Off/Low/Mid/High.

Voice Recognition Setting

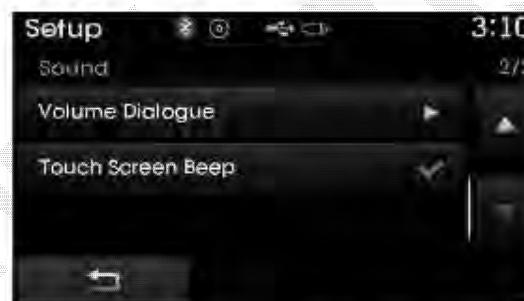
Press the **SETUP** key▶Select [Sound]▶Select [Volume Dialogue]



Use the **-**, **+** buttons to adjust the Volume Dialog.

Touch Screen Beep

Press the **SETUP** key▶Select [Sound]▶Select [Touch Screen Beep]



This feature is used to turn the touch screen beep on/off.

Clock/Day Setting

Clock Setting

Press the **SETUP** key▶Select [Clock/Day]▶Select [Clock Settings]

Use the **▲**, **▼** buttons to set the Hour, Minutes and AM/PM setting.



* NOTICE

Press and hold the **CLOCK** key (over 0.8 seconds) to display the Clock/Day screen.

Calendar Setting

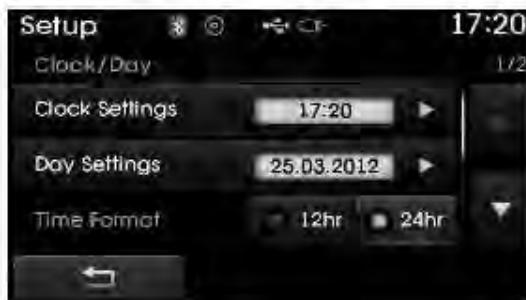
Press the **SETUP** key▶Select [Clock/Day]▶Select [Day Settings]



Use the **▲**, **▼** buttons to set the Day, Month and Year setting.

Time Format

Press the **SETUP** key▶Select [Clock/Day]▶Select [Time Format]



This feature is used to change the clock format between 12hr or 24hr.

Clock Display

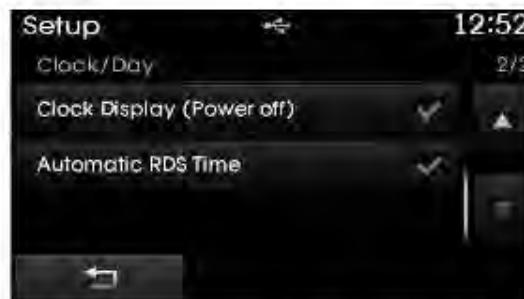
Press the **SETUP** key▶Select [Clock/Day]▶Select [Clock Display (Power off)]



This feature is used to display a clock on the screen when the audio system is turned off.

Automatic RDS Time

Press the **SETUP** key▶Select [Clock/Day]▶Select [Automatic RDS Time]

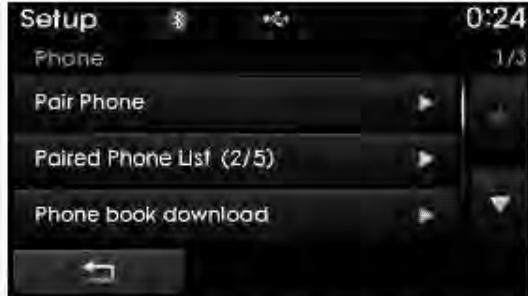


This feature is used to set time automatically by synchronizing with RDS.

Bluetooth® Wireless Technology Setting

Pairing a New Device

Press the **SETUP** key▶Select [Phone]▶Select [Pair Phone]



Bluetooth® Wireless Technology devices can be paired with the audio system.

For more information, refer to the "Pairing through Phone Setup" section within Bluetooth® Wireless Technology.

Viewing Paired Phone List

Press the **SETUP** key▶Select [Phone]▶Select [Paired Phone List]



This feature is used to view mobile phones that have been paired with the audio system. Upon selecting a paired phone, the setup menu is displayed.

For more information, refer to the "Setting Bluetooth® Wireless Technology Connection" section within Bluetooth® Wireless Technology.

- 1) : Moves to the previous screen
- 2) Connect/Disconnect Phone : Connect/disconnects currently selected phone
- 3) Delete : Deletes the currently selected phone

- 4) Change Priority : Sets currently selected phone to highest connection priority

* NOTICE BEFORE DOWN-LOADING PHONE BOOKS

- Only phone books within connected phones can be downloaded. Also check to see that your mobile phone supports the download feature.
- To learn more about whether your mobile phone supports phone book downloads, refer to your mobile phone user's manual.
- The Phone book for only the connected phone can be downloaded. Before downloading, check to see whether your phone supports the download feature.

Downloading Phone books

Press the **SETUP** key▶Select [Phone]▶Select [Phone book Download]



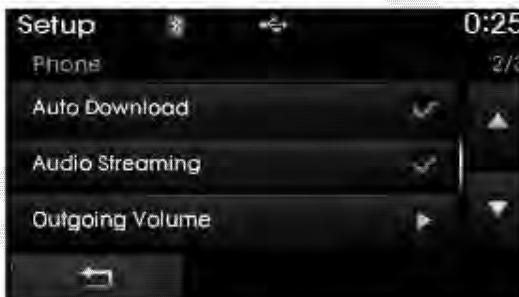
The Phone book is downloaded from the mobile phone and the download progress is displayed.

*** NOTICE**

- Up to 1,000 phone book entries can be copied into car phone book.
- Up to 1,000 phone book entries can be saved for each paired device.
- Upon downloading phone book data, previously saved phone book data will be deleted. However, Phone book entries saved to other paired phones are not deleted.

Auto Download (Phone Book)

Press the **SETUP** key▶Select [Phone]▶Select [Auto Download]



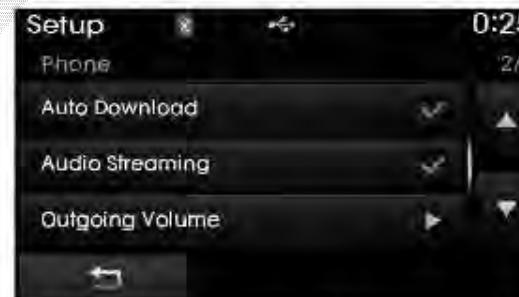
This feature is used to automatically download mobile phone book entries once a *Bluetooth®* Wireless Technology phone is connected.

*** NOTICE**

- The Auto Download feature will download mobile phone book entries every time the phone is connected. The download time may differ depending on the number of saved phone book entries and the communication state.
- When downloading a phone book, first check to see that your mobile phone supports the phone book download feature.

Audio Streaming

Press the **SETUP** key▶Select [Phone]▶Select [Audio Streaming]



When Audio Streaming is turned on, you can play music files saved in your *Bluetooth®* Wireless Technology device from the car.

Outgoing Volume

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Outgoing Volume]



Use the **-**, **+** buttons to adjust the outgoing volume level.

Turning Bluetooth System Off

Press the **SETUP** key ▶ Select [Phone] ▶ Select [Bluetooth System Off]

Once Bluetooth® Wireless Technology is turned off, Bluetooth® Wireless Technology related features will not be supported within the audio system.



CAUTION

- *Bluetooth® Wireless Technology audio streaming may not be supported in some Bluetooth® Wireless Technology phones.*

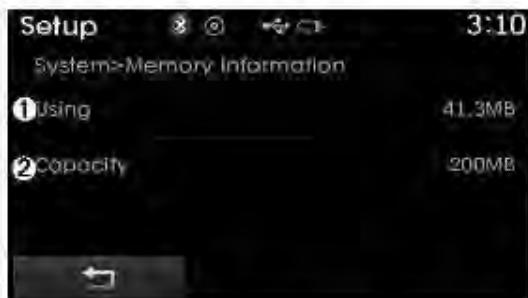
* NOTICE

To turn Bluetooth® Wireless Technology back on, go to **SETUP** ▶ [Phone] and press "Yes".

System Setting

Memory Information

Press the **SETUP** key▶Select [System]▶Select [Memory Information]

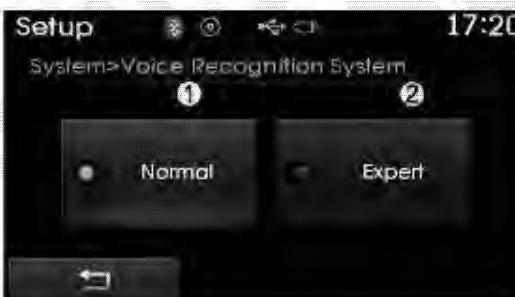


This feature displays information related to system memory.

- 1) Using : Displays capacity currently in use
- 2) Capacity : Displays total capacity

Voice Recognition Mode Setting (if equipped)

Press the **SETUP** key▶Select [System]▶Select [Voice Recognition System]



This feature is used to select the desired prompt feedback option from Normal and Expert.

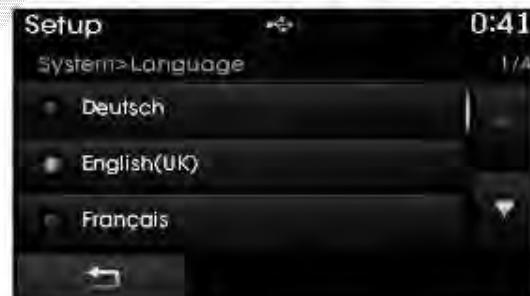
- 1) Normal : When using voice recognition, provides detailed guidance prompts
- 2) Expert : When using voice recognition, omits some guidance prompts

* NOTICE

- Voice Recognition is depend on the Audio System.

Language

Press the **SETUP** key▶Select [System]▶Select [Language]



This feature is used to change the system and voice recognition language. If the language is changed, the system will restart and apply the selected language.

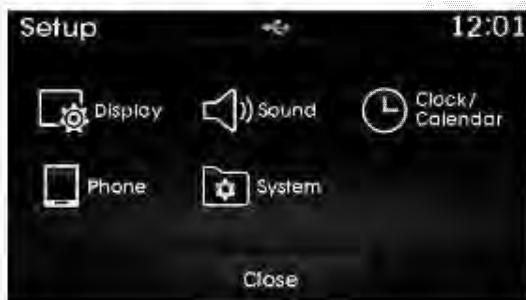
SETUP

(for **Bluetooth®** Wireless Technology equipped model)

-AM900DMMG, AM910DMMG,
AM911DMMG, AM901DMGG,
AM910DMEE, AM911DMEE,
AM910DMGL, AM900DMMN,
AM910DMMN, AM912DMEE

Starting Mode

Press the **SETUP** key to display the Setup screen.

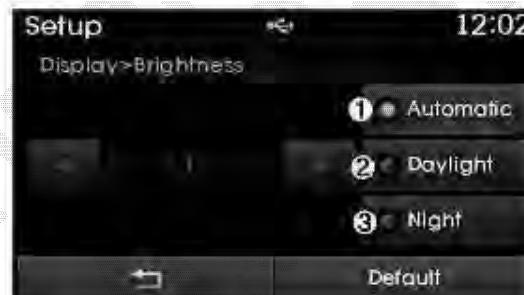


You can select and control options related to [Display], [Sound], [Clock/Calendar], [Phone] and [System].

Display Settings

Adjusting the Brightness

Press the **SETUP** key▶Select [Display]▶Select [Brightness]



Use the **◀**, **▶** buttons to adjust the screen brightness or set the Brightness on Automatic, Daylight, or Night mode.
Press the **Default** button to reset.

- 1) Automatic : Adjusts the brightness automatically
- 2) Daylight : Always maintains the brightness on high
- 3) Night : Always maintains the brightness on low

Pop-up Mode

Press the **SETUP** key▶Select [Display]▶Select [Mode Pop up]



This feature is used to display the Pop-up Mode screen when entering radio and media modes.

When this feature is turned on, pressing the **RADIO** or **MEDIA** key will display the Pop-up Mode screen.

* NOTICE

The media Pop-up Mode screen can be displayed only when two or more media modes have been connected.

Text Scroll

Press the **SETUP** key▶Select [Display]▶Select [Text Scroll]



This feature is used to scroll text displayed on the screen when it is too long to be displayed at once.

When turned on, the text is repeatedly scrolled. When turned off, the text is scrolled just once.

MP3 Information Display

Press the **SETUP** key▶Select [Display]▶Select [Media Display]



This feature is used to change the information displayed within USB and MP3 CD modes.

- 1) Folder File : Displays file name and folder name
- 2) Album Artist Song : Displays album name/artist name/song

Sound Settings***Sound Settings***

Press the **SETUP** key▶Select [Sound]▶Select [Sound Setting]



Features of your vehicle

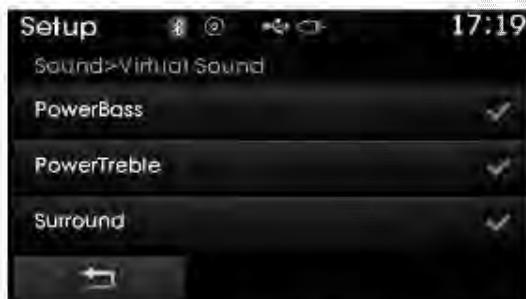
Use the **[◀, ▶, ▲, ▼]** buttons to adjust the Fader/Balance settings.

Use the **[◀, ▶]** buttons to adjust the Bass/Middle/Treble settings.

Press the **Default** button to reset.

Virtual Sound

Press the **SETUP** key▶Select [Sound]▶Select [Virtual Sound]



This feature is used to set the Power Bass, Power Treble and Surround sound options.

SDVC (Speed Dependent Volume Control)

Press the **SETUP** key▶Select [Sound]▶Select [Speed Dependent Vol.]



The volume level is controlled automatically according to the vehicle speed. SDVC can be set by selecting from Off/Low/Mid/High.

Touch Screen Beep

Press the **SETUP** key▶Select [Sound]▶Select [Touch Screen Beep]



This feature is used to turn the touch screen beep on/off.

Clock/Calendar Setting*Clock Setting*

Press the **SETUP** key▶Select [Clock/Calendar]▶Select [Clock Settings]

Use the **▲**, **▼** buttons to set the Hour, Minutes and AM/PM setting.

*** NOTICE**

Press and hold the **CLOCK** key (over 0.8 seconds) to set the Clock/Calendar screen.

Calendar Setting

Press the **SETUP** key▶Select [Clock/Calendar]▶Select [Calendar Settings]



Use the **▲**, **▼** buttons to set the Day, Month and Year setting.

Clock Display

Press the **SETUP** key▶Select [Clock/Calendar]▶Select [Clock Display (Power off)]



This feature is used to display a clock on the screen when the audio system is turned off.

Bluetooth® Wireless Technology Setting

Pairing a New Device

Press the **SETUP** key▶Select [Phone]▶Select [Pair Phone]



Bluetooth® Wireless Technology devices can be paired with the audio system.

For more information, refer to the "Pairing through Phone Setup" section within Bluetooth® Wireless Technology.

Viewing Paired Phone List

Press the **SETUP** key▶Select [Phone]▶Select [Paired Phone List]



This feature is used to view mobile phones that have been paired with the audio system. Upon selecting a paired phone, the setup menu is displayed.

For more information, refer to the "Setting Bluetooth® Wireless Technology Connection" section within Bluetooth® Wireless Technology.

- 1) : Moves to the previous screen
- 2) Connect/Disconnect Phone : Connect/disconnects currently selected phone
- 3) Delete : Deletes the currently selected phone
- 4) Change Priority : Sets currently selected phone to highest connection priority

* NOTICE BEFORE DOWNLOADING CONTACTS

- Only contacts within connected phones can be downloaded. Also check to see that your mobile phone supports the download feature.
- To learn more about whether your mobile phone supports contacts downloads, refer to your mobile phone user's manual.
- The contacts for only the connected phone can be downloaded. Before downloading, check to see whether your phone supports the download feature.

Downloading Contacts

Press the **SETUP** key▶Select [Phone]▶Select [Contacts Download]



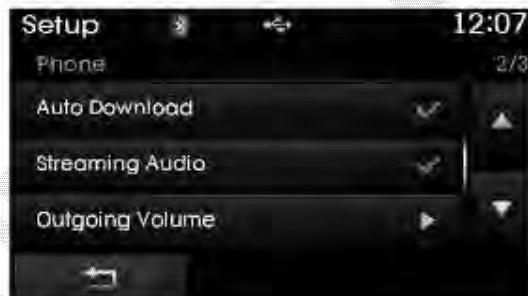
The contacts is downloaded from the mobile phone and the download progress is displayed.

*** NOTICE**

- Up to 1,000 contacts entries can be copied into car contacts.
- Up to 1,000 contacts entries can be saved for each paired device.
- Upon downloading contacts data, previously saved contacts data will be deleted. However, contacts entries saved to other paired phones are not deleted.

Auto Download (Contacts)

Press the **SETUP** key▶Select [Phone]▶Select [Auto Download]



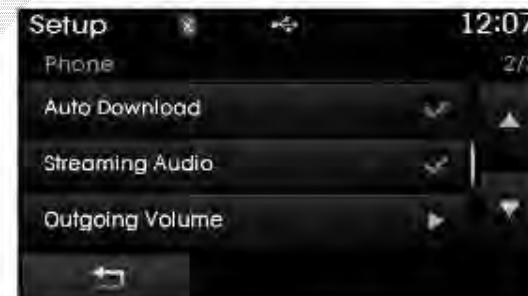
This feature is used to automatically download mobile contacts entries once a *Bluetooth®* Wireless Technology phone is connected.

*** NOTICE**

- The Auto Download feature will download mobile contacts entries every time the phone is connected. The download time may differ depending on the number of saved contacts entries and the communication state.
- When downloading a contacts, first check to see that your mobile phone supports the contacts download feature.

Streaming Audio

Press the **SETUP** key▶Select [Phone]▶Select [Streaming Audio]



When Streaming Audio is turned on, you can play music files saved in your *Bluetooth®* Wireless Technology device from the car.

Features of your vehicle

Outgoing Volume

Press the **SETUP** key▶Select [Phone]▶Select [Outgoing Volume]



Use the **-**, **+** buttons to adjust the outgoing volume level.

Turning Bluetooth System Off

Press the **SETUP** key▶Select [Phone]▶Select [Bluetooth System Off]

Once *Bluetooth®* Wireless Technology is turned off, *Bluetooth®* Wireless Technology related features will not be supported within the audio system.



* NOTICE

To turn *Bluetooth®* Wireless Technology back on, go to **SETUP**▶[Phone] and press "Yes".

System Setting

Memory Information

Press the **SETUP** key▶Select [System]▶Select [Memory Information]



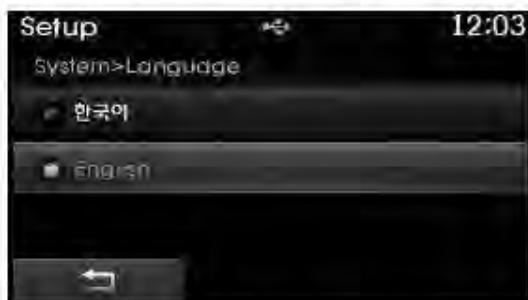
This feature displays information related to system memory.

1) Using : Displays capacity currently in use

2) Capacity : Displays total capacity

Language

Press the **SETUP** key ▶ Select [System] ▶ Select [Language]



This feature is used to change the system and voice recognition language.

If the language is changed, the system will restart and apply the selected language.

REAR VIEW CAMERA (if equipped)

- The system has been equipped with a rear view camera for user safety by allowing a wider rear range of vision.
- The rear view camera will automatically operate when the ignition key is turned ON and the transmission lever is set to R.
- The rear view camera will automatically stop operating when set to a different lever.

CAUTION

- The rear view camera has been equipped with an optical lens to provide a wider range of vision and may appear different from the actual distance. For safety, directly check the rear and left/right sides.*

APPENDIX

Name	Description
12hr	12 Hour
24hr	24 Hour
AST(A.Store)	Automatically selects and saves channels
AMA	AM Radio (Auto store)
AUX	External Audio mode
Bass	Deep sound
Treble	High sound
BT Audio	Bluetooth® Wireless Technology Audio
FMA	FM Radio (Auto store)
Power Bass	This is a sound system feature that provides live bass.
Power Treble	This is a sound system feature that provides live treble.
Preset	Saved radio frequency
RDS Search	Radio Data System Search
TA Off	Traffic Announcement

■ CD Player : AC140INAN,AC241INAN,AC1B2INKN,AC2B1INKN



*No HD Radio® logo will be shown if the HD Radio™ feature is not supported.

SYSTEM CONTROLLERS AND FUNCTIONS

Audio Head Unit (for HD RADIO™ equipped model)



1. ▲ (EJECT)

- Ejects the disc.

2. RADIO

- Convert to Radio mode.
- Each time the key is pressed, the mode is changed in order of FM1→FM2→AM.

3. MEDIA

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

4. PHONE (for Bluetooth® Wireless Technology equipped model)

- Converts to Phone mode
- When a phone is not connected, the connection screen is displayed.

5. PWR/VOL knob

- Power : Press to turn power on/off.
- Volume : Turn left/right to control volume.

6. SEEK TRACK

- When pressed shortly(under 0.8 seconds)
 - Radio mode : plays previous/next frequency.
 - Media (CD/USB/iPod/My Music) modes : changes the track, Song(file)
- When pressed and held (Over 0.8 seconds)
 - Radio mode : continuously changes the frequency. Upon release, plays the current frequency.
 - Media(CD/USB/iPod/My Music) modes : rewinds or fast forwards the track or file
- During a Handsfree call, controls the call volume.

7. HD/CAT FOLDER

- HD RADIO : Channel Change
- XM RADIO : Category Search
- CD/USB/MP3 mode : Search Folder



8. DISP

- Turns the monitor display on/off.

9. MUTE

- AUDIO MUTE

10. SCAN

- Radio Mode : previews all receivable broadcasts for 5 seconds each
- Media (CD/USB/My Music) modes : previews each song (file) for 10 seconds each.

11. SETUP

Converts to Setup mode.

12. TUNE knob

- Radio mode : turn to change broadcast frequencies.
- Media (CD/USB/iPod/My Music) modes : turn to search tracks/channels/files.

13. DISC-IN LED

- LED that indicates whether a disc is inserted.

14. RESET

- Forced system termination and system restart.

Steering remote controller



1. VOLUME

- Used to control volume

2. MUTE

- Mutes audio volume.

3. SEEK

- When pressed shortly (under 0.8 seconds)
 - Radio mode : searches broadcast frequencies saved to presets.
 - Media (CD/USB/iPod/My Music/BT Audio) modes : changes the track, file or chapter.
- When pressed and held (over 0.8 seconds)
 - Radio mode, automatically searches broadcast frequencies and channels
 - Media(CD/USB/iPod/My Music) modes, rewinds or fast forwards the track or song(file)
 - BT Audio mode may not be supported in some mobile phones.

4. MODE

- Each time this key is pressed, the mode is changed in order of FM1→FM2→FMA→AM→AMA→USB or iPod →AUX →My Music→BT Audio
- If the media is not connected or a disc is not inserted, corresponding modes will be disabled.

5.

- 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

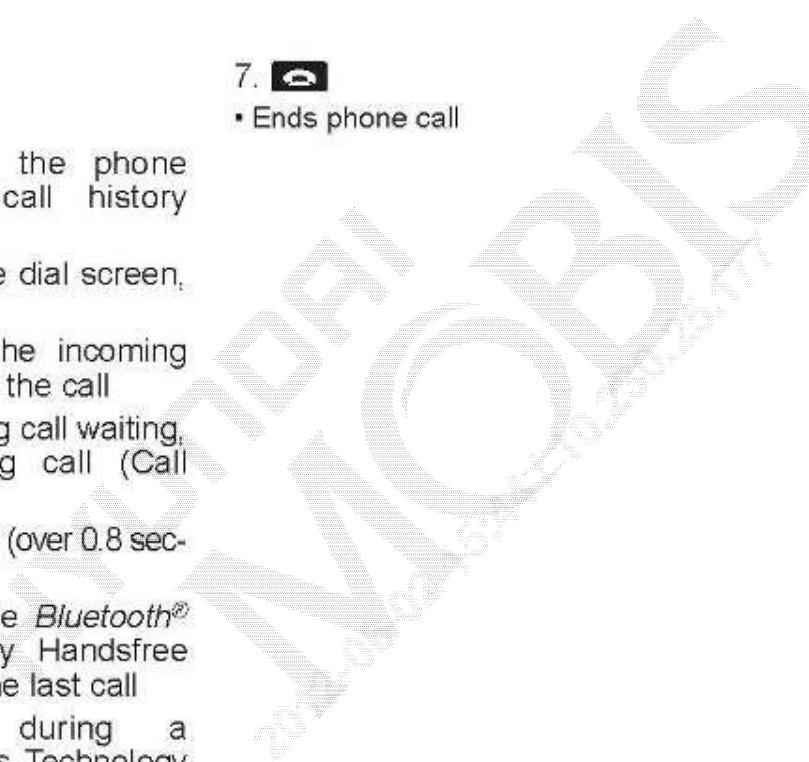


• When pressed shortly

- 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)



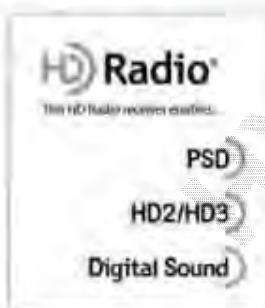
• Ends phone call



HD Radio™ Technology

(for HD RADIO™ equipped model)

HD Radio Technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. HD Radio™ and the HD, HD Radio, and "Arc" logos are proprietary trademarks of iBiquity Digital Corp.



PSD

Program Service Data: Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.

HD2/HD3

Adjacent to traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.

Digital Sound

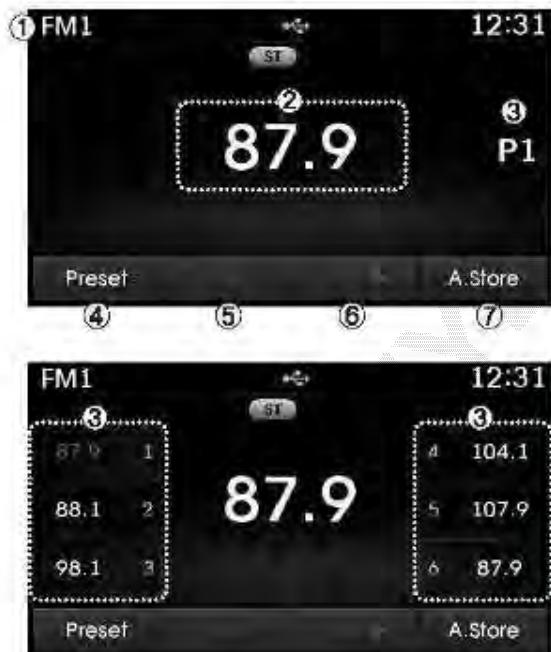
Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.

HD Radio™ signal delay

To overcome the delay that digital systems inherently produce, HD Radio™ technology first uses the audio signal of the analog broadcasting when you tune to an AM station or to the main channel of a FM station. After that, the system will blend from analog to digital signal.

Normally, this blending is very smooth. If you experience a skip in program content of several seconds, the radio station has not implemented HD Radio™ broadcasting correctly. This is not a problem with your audio system.

Due to the fact that sub channels are only broadcasting digital, blending from analog to digital signal is not possible if you tune to a sub channel. In this case playback of the sub channel starts after several seconds, this is a normal function.

RADIO MODE**Basic Mode Screen****1. Mode Display**

Displays currently operating mode.

2. Frequency

Displays the current frequency.

3. Preset

Displays current preset number [1] ~ [6].

4. Preset Display

Displays preset buttons.

5. Info

Displays broadcast information.

6. HD ►

Changes HD Radio channels.

7. A.Store

Automatically saves frequencies with superior reception to Preset buttons.

HD RADIO MODE

(for HD RADIO™ equipped model)

Basic Mode Screen



1. Mode Display

Displays currently operating mode.

2. HD Channel

Displays information for the currently playing HD Radio broadcast.

3. Song Information

Displays the album, artist, and title information.

4. Frequency

Displays the current frequency.

5. HD Radio Broadcast Station

Displays the HD Radio broadcast station name.

6. Preset

Displays currently playing preset number [1] ~ [6].

7. Preset Display

Displays saved presets.

8. Info

Displays broadcast information.

9. HD ▶

Changes HD Radio channels.

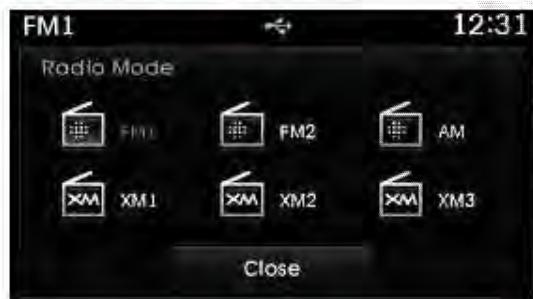
10. A.Store

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→XM1→XM2→XM3

If [Mode Pop up] is turned on within **SETUP** ▶ **[Display]**, then pressing the **RADIO** key will display the Radio Pop-up Mode screen.



Turn the **TUNE** knob to move the focus. Press the knob to select.

Searching Radio Frequencies

Using Seek

Press the **SEEK TRACK** key to play the previous/next frequency.

Using TUNE

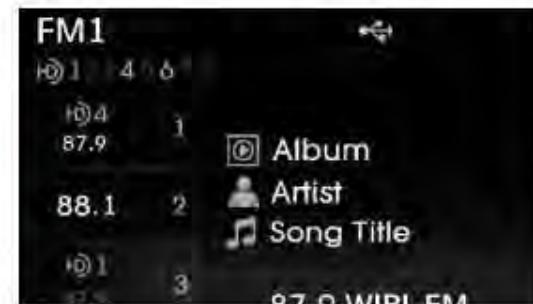
Turn the **TUNE** knob to select the desired frequency.

- **FM** : Increases/decreased by 200kHz
- **AM** : Increases/decreased by 10kHz

Using Radio Mode

Selecting Presets/Saving Presets

Press the **Preset** button to display the broadcast information for the frequency saved to each button.



Press the **1 ~ 6** buttons to play the desired preset.

* NOTICE

While listening to a frequency you want to save as a preset, press and hold one of the **1 ~ 6** preset buttons (over 0.8 seconds) to save the current frequency to the selected preset.

Auto Store

Press the **A.Store** button to automatically save receivable frequencies to Preset buttons.

* NOTICE

While Auto Store is operating, pressing the [Cancel] button again will cancel Auto Store and restore the previous frequency.

Scan

Press the **SCAN** key to preview frequencies with superior reception for 5 seconds each.

Press and hold the **SCAN** key (over 0.8 seconds) to preview presets for 5 seconds each.

* NOTICE

- Once scan is complete, the previous frequency will be restored.
- While Scan is operating, pressing the **SCAN** key will cancel the scan operation.

Listening to HD Radio Stations

HD Radio Technology is a digital radio technology used by AM and FM radio station to transmit audio and data via a digital signal in conjunction with their analog signals.



1. While listening to the radio, the HD Radio icon will become displayed if receiving an HD Radio broadcast.

Changing HD Radio stations

Press the **HD ▶** button to change HD Radio station

Viewing Station Information

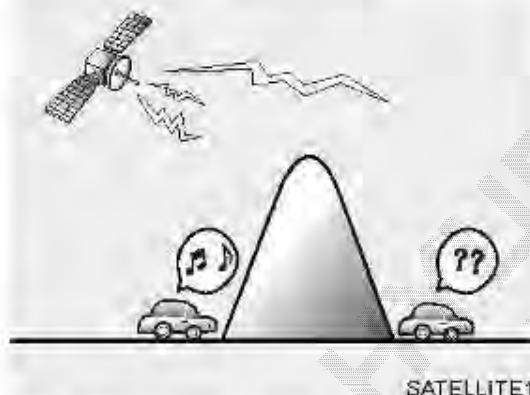


2. Press the **Info** button to view station information

XM RADIO MODE

Features of your vehicle

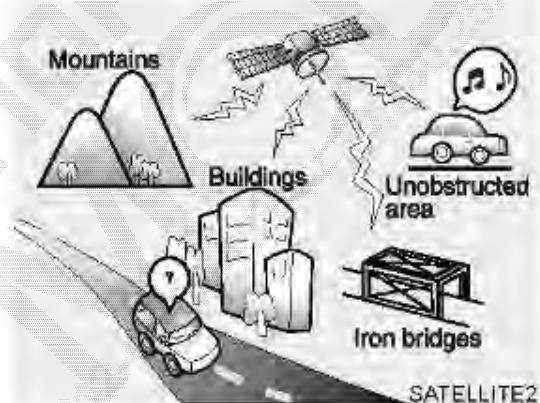
Satellite radio reception



You may experience difficulties in receiving XM™ 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 are driving 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.



NOTE:

There may also be additional unforeseen circumstances leading to reception problems with the XM™ satellite radio signal.

Advisory Messages, such as 'CH Unavailable' may occur when starting XM Radio.

XMRADIO MODE

Basic Mode Screen



1. Mode Display

Displays currently operating mode

2. Channel Information

Displays the category, channel number, channel name, artist and title information

3. Preset

Displays currently playing preset number [1] ~ [6]

4. Display

Displays saved presets

Using SEEK

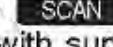
Press the  key to play the previous/next channel.

* If the "Category" icon is displayed, channels are changed within the current category.

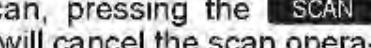
Using Tune

Turn the  TUNE knob to select the desired channel.

SCAN

Press the  key to scan all channels with superior reception for 5 seconds each.

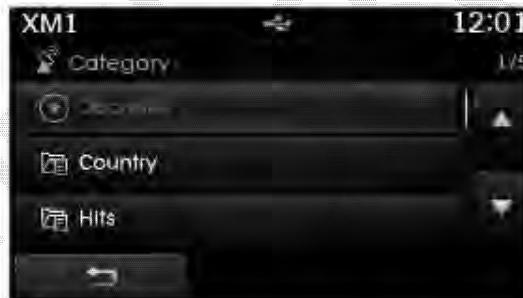
Once scan is complete, the previously played channel will be restored.

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

If the "Category" icon is displayed, channels are changed within the current category.

Searching Categories

Select the category by using the  () key and press the  TUNE knob to select.



Channels for the selected category are played.

Selecting Presets/Saving Presets

Press the  button to display the broadcast information for the channel saved to each button.



Press the  ~  buttons to play the desired preset.

* NOTICE

While listening to a channel you want to save as a preset, press and hold one of the  ~  preset buttons (over 0.8 seconds) to save the current channel to the selected preset.

* 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)

(Continued)

- Do not use abnormally shaped discs (8cm, heart-shaped, octagon-shaped) 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 re-inserted 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)

MP3 File Information**• Supported Audio Formats**

File System	ISO 9660 Level 1
	ISO 9660 Level 2
	Romeo / Juliet (128 characters)
Audio Compression	MPEG1 Audio Layer3
	MPEG2 Audio Layer3
	MPEG2.5 Audio Layer3
	Windows Media Audio Ver 7.X & 8.X

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

• Support for Compressed Files**1. Supported Bitrates (Kbps)**

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

2. Sampling Frequencies (Hz)

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

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

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

3. Maximum number of recognized folders and files

- Folder : 255 folders for CD, 2,000 folders for USB
- File : 999 files for CD, 6,000 files for USB

* There are no limitations to the number of recognized folder levels

• Language Support (Unicode Support)

1. English: 94 characters
2. Special characters and Symbols: 986 characters

* Languages other than Korean and English (including Chinese) are not included.

4. Text Display (Based on Unicode)

- File name: Maximum 64 English characters
- Folder name: Max. 32 English characters

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

• Compatibility by Disc Type

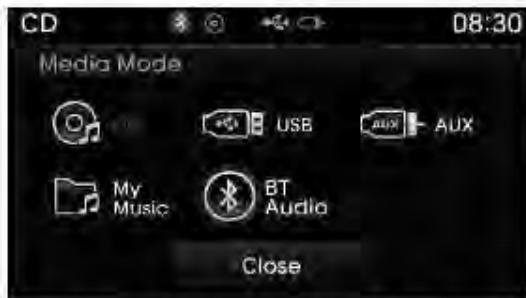
1. Playing MIXED CDs: First plays the audio CD, then plays the compressed file(s).
2. Playing EXTRA CDs: First plays the audio CD, then plays the compressed file(s).
3. Playing multisession CDs: Plays in order of sessions
 - MIXED CD : CD type in which both MP3 and audio CD files are recognized in one disc.
 - Multisession CD : CD type that includes more than two sessions. Different from Extra CDs, multisession CDs are recorded by sessions and have no media limitation.

• Precautions upon Writing CDs

1. In all cases except when creating multisession discs, check the close session option before creating the disc. Though product malfunctions will not occur, some time may be required for the device to check whether the session state is closed (approximately 25 seconds). (Additional time may also be required depending on the number of folders or files.)
2. Changing the MP3/WMA file extensions or changing files of other extensions to MP3/WMA may result in product malfunction.
3. When naming files with MP3/WMA file extensions, write using only Korean and English. (Languages other than Korean and English are not supported and are displayed as blank.)
4. Unauthorized use or duplication of music files are prohibited by law.
5. Prolonged use of CD-R/CD-RW discs that do not satisfy related standards and/or specifications could result in product malfunction.
6. Unauthorized use or duplication of MP3/WMA files is prohibited by law.

MEDIA MODE

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



If [Pop-up Mode] / [Mode Pop-up] is turned on within **SETUP** ▶ [Display], then pressing the **MEDIA** key will display the Media Pop-up Mode screen.

Turn the **TUNE** knob to move the focus. Press the knob to select.

Title Icon

When a *Bluetooth® Wireless Technology*, iPod, USB, or AUX device is connected or a CD is inserted, the corresponding mode icon will be displayed.



Icon	Title
	<i>Bluetooth® Wireless Technology</i>
	CD
	iPod
	USB
	AUX

* NOTICE

- 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



1. Mode

Displays currently operating mode.

2. Operation State

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

3. Track Info

Displays information about the current track.

4. Play/Pause

Changes the play/pause state.

5. Play Time

Displays the current play time.

6. Info

Shows detailed information about the current track.

7. Random(Shuffle)

Turns the Random(Shuffle) feature on/off.

8. Repeat

Turns the Repeat feature on/off.

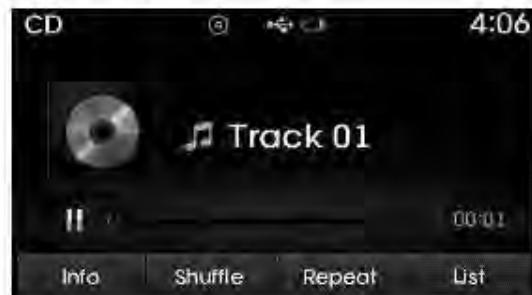
9. List

Moves to the list screen.

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 button to pause and press button 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

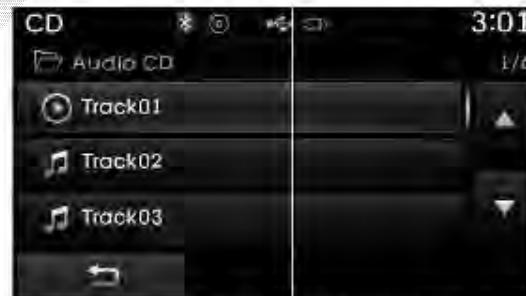
Press the key to move to the previous or next track.

* NOTICE

- Pressing the key after the track has been playing for 3 seconds will start the current track from the beginning.
- Pressing the key before the track has been playing for 3 seconds will start the previous track.

Selecting from the List

Turn the left/right to search for the desired track.



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

Rewinding / Fast-forwarding Tracks

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

Scan

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