

UVO

Powered by **Microsoft**

UVO SYSTEM USER'S MANUAL

OPTIMA



Preface

Congratulations on the Purchase of your new UVO system!

Your new UVO system allows you to enjoy various audio and multimedia features through the main audio system.

For the latest information about this product or other KIA products and accessories, visit <http://www.KIA.com>

Please read this manual to get the full benefit of the system.

These operating instructions are designed to ensure that you can operate the UVO system in a safe and convenient way.

We recommend that this manual be kept in the car so that it will be easier for you to find information in case of an emergency.

If you cannot find the information you need in this manual or in the "Troubleshooting" section, your local authorized retailer will be pleased to clarify any inquiries you may have with the system or operations.

KIA Motors recommends the use of only parts and accessories that have been tested and approved by KIA Motors in terms of function, safety and suitability.

SIRIUS 

 **Bluetooth**[®]

 **Radio**[®]

MP3

 **COMPACT
disc
DIGITAL AUDIO**

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Safety Symbols



Warning

- When encountering this symbol in the manual, you must follow these recommendations to avoid irreparable damage to your car, system or connected devices or to avoid accidents with injuries or death.



Caution

- When encountering this symbol in the manual, you must be very careful and follow the recommendations to avoid damage to your car, system or connected devices or to avoid injury.

Note

- Information which you must be aware of or recommendations for your convenience and for optimal operation of your system.

FCC Information

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.

FCC notification to users

This equipment has been tested and found to comply with the limits for a CLASS A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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, the user is encouraged to try to correct the interference by consulting with a KIA dealer or an experienced technician for technical assistance.

WARNING & SAFETY INFORMATION

Warning

Driving while distracted can result in a loss of vehicle control, that may lead to an accident, severe personal injury, and/or death. The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any handheld devices, other equipment, or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or which are not permissible by law should never be used during operation of the vehicle.



- Read and understand all instructions before you use the system. If damage is caused by failure to follow instructions, the warranty will not apply.



- Do not operate the audio system in an unsafe manner while driving.



- Do not dismantle, assemble, or modify the audio system.



- Do not stare at the screen for long periods of time while driving.



- To reduce the risk of traffic accidents, do not watch the screen when driving.
- Set the volume to a level which allows you to be aware of external conditions.



- Use only the supplied mounting hardware for safe operation.

Caution



- Do not operate the audio system for prolonged periods of time with the vehicle ignition in ACC. Such operations may lead to battery discharge.



- Do not expose the device to rain or water.
- Never insert foreign objects into the slots or other openings on the device.



- Do not cause severe shock to the device. Direct pressure to the front side of the monitor may cause damage to the LCD or touch panel.



- In case of product malfunction, contact your place of purchase or service center.



- When cleaning the touch screen, make sure to turn off the device and use a dry and smooth cloth. Never use abrasive materials, chemical cloths, or solvents, such as alcohol, ammonia, benzene, thinners, etc. Such materials may damage the touch panel or cause color and quality deterioration.

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Controls and Features

Control Panel



1 DISC EJECT

Ejects the inserted disc.

2 FM/AM

Turns on FM/AM mode. Each press of the **FM/AM** key will change the band in the order of FM → AM → FM.

3 SIRIUS

Turns on SIRIUS mode.

4 MEDIA

Turns on MEDIA mode. Each press of the **MEDIA** key will change the mode in the order of CD → USB/iPod/zune → AUX → BT Audio → CD.

5 POWER/VOLUME

Push : Turns Power On/Off.
Dial : Turns Volume Up/Down.

6 ∨ SEEK/TRACK ∧

Short (under 0.8 seconds)

In FM/AM mode, automatically searches and plays the previous or next frequency.

In SIRIUS mode, automatically searches and plays the previous or next channel.

In MEDIA mode (CD, MP3, USB, iPod, zune, BT AUDIO), plays the previous or next track, song, or file.

In JUKEBOX mode, plays the previous or next track.

Long (over 0.8 seconds)

In FM/AM mode, quickly moves through the frequencies when the button is pressed and held. Once released, automatically searches and plays the previous or next frequency.

In SIRIUS mode, quickly moves to the previous or next channel.

In MEDIA mode (CD, MP3, USB, iPod, zune, BT AUDIO), REW/FF the current track, song, or file.

In JUKEBOX mode, REW/FF the current track.

7 V CATEGORY ^

In SIRIUS mode, moves to the previous or next SIRIUS category.

8 TUNE

In FM/AM mode, turn the knob to manually search for frequencies.

In SIRIUS mode, turn the knob to manually search for channels. Press the knob to receive the selected channel.

In MEDIA mode (CD, MP3, USB, iPod, zune), turn the knob to manually search for the previous or next track, song, or file.

Press the knob to receive the selected track, song, or file.

In JUKEBOX mode, turn the knob to manually search for the previous or next track. Press the knob to receive the selected track.

9 SETUP

Displays SETUP mode.

10 PHONE

Displays *Bluetooth*® wireless technology Phone mode.

11 JUKEBOX

Displays JUKEBOX mode.

12 RESET

Reset the system to be used if system is acting abnormally.

13 DISC indicator LED

Displays that a DISC has been inserted.

Steering Wheel



1 ▽ SEEK/TRACK ▲

Short (under 0.8 seconds)

In FM/AM mode, automatically searches and plays the previous or next preset frequency.

In SIRIUS mode, automatically searches and plays the previous or next preset channel.

In MEDIA mode (CD, MP3, USB, iPod, zune, BT AUDIO), plays the previous or next track, song, or file.

In JUKEBOX mode, plays the previous or next track.

Long (over 0.8 seconds)

In FM/AM mode, quickly moves through the frequencies when the button is pressed and held. Once released, automatically searches and plays the previous or next frequency.

In SIRIUS mode, quickly moves to the previous or next channel.

In MEDIA mode (CD, MP3, USB, iPod, zune, BT AUDIO), REW/FF the current track, song, or file.

In JUKEBOX mode, REW/FF the current track.

2 + VOLUME -

Turns Volume Up/Down.

3 MODE

Changes the mode. Each press will change modes in the order of FM → AM → SIRIUS → CD → USB/iPod/zune → AUX → BT Audio → JUEKBOX → FM.

4 Voice Command

Short (under 0.8 seconds)

If Voice recognition is off, turns on Voice recognition.

If system is speaking, interrupts speaking and enters listening mode.

Long (over 0.8 seconds)

If Voice recognition is on, turns off Voice recognition.

5 Bluetooth® wireless technology Phone

Pressing this key will receive an incoming call. If the Audio is on, the *Bluetooth*®

wireless technology phone screen will be displayed.

When a SMS message is received, reads back message.

6 End Bluetooth® wireless technology Phone

Pressing this key will reject an incoming call. If pressed during a call, the current call will be ended.

When a SMS message is received, ignores message.

Basic Features

System Power

1. Turning System Power On



1. Turn on the ignition.



2. While the system is off, press the **POWER/VOL** knob to turn the system on.

3. The system will automatically restore the most recently played mode. For example, pressing the **POWER/VOL** knob will turn on the system and display FM radio mode if FM mode had been the last operated mode prior to turning off the system.
4. You can also turn the system on by pressing the **FM/AM**, **SIRIUS**, **MEDIA** and **JUKEBOX** keys.

Note

- Pressing any one of the **FM/AM**, **SIRIUS**, **MEDIA** and **JUKEBOX** keys will turn on the system and display the last mode corresponding to each key. For example, pressing the **MEDIA** key will turn on the system and display CD mode if the last operated MEDIA mode prior to turning off the system had been CD mode.

2. Turning System Power Off

1. While the system is on, press the **POWER/VOL** knob to turn off the system.

Note

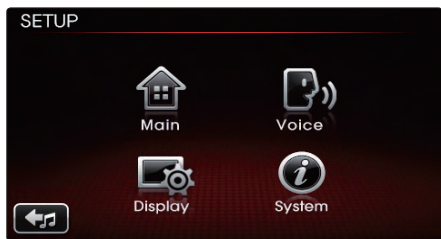
- If the system power was on when the ignition was turned off, the system will turn back on automatically. Conversely, if the system power was off when the ignition was turned off, the system will remain off.
- If the battery voltage is low, the audio may take a prolonged time to boot upon turning on the vehicle.

Select Display Language

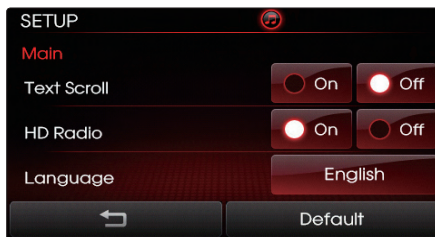
The UVO system allows you to select the preferred display language for maximum convenience and system usability. The system provides you with options of three languages - English, French (Canadian) and Spanish. The default language is English.



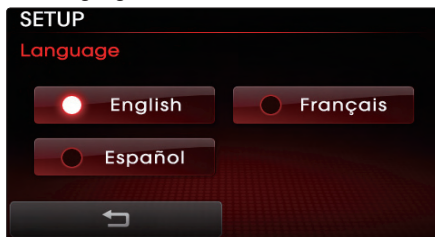
1. Press the **SETUP** key on the control panel.



2. Press the **Main** button.



3. Press the **English** button next to the Language menu.



4. Select the desired language.

5. The system will reboot and automatically restore the most recent mode in the new language.

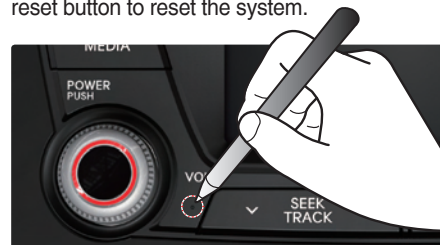
Note

- Changing language will delete all paired phones.

Resetting and Initializing UVO system

1. Resetting the system

If the system is behaving abnormally, press the reset button to reset the system.



1. Use a ball-point pen or similar object to press the **RESET** key.
2. The system will reboot and automatically restore the most recent mode.

! Caution

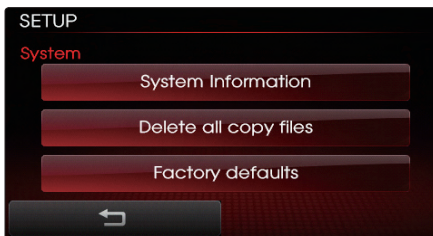
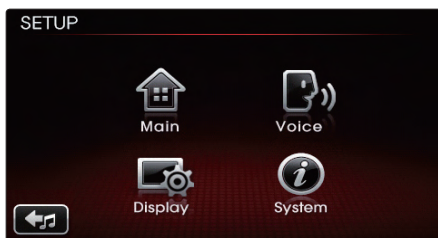
- The reset button should only be used in case of system malfunction. Never use the reset key while the system is operating normally.
- If you wish to reset while the system is operating normally, turn the power off first then reset.

2. Initializing the system



1. Press the **SETUP** key on the control panel.

2. Press the **System** button.



3. Press the **Factory defaults** button.

Note

- Initializing the system will erase all Phone settings, and other changes which you have made to the system.
- Some songs in the USB or CD may be misrecognized during the indexing process. If such problems persist, reset the device using the Factory Default button in SETUP>System.
- For updating the system, visit [http: www.KIA.com](http://www.KIA.com)

Sound and Display Settings

Sound Settings

Sound settings can be adjusted from any audio mode. The system allows you to optimize various sound settings to add convenience when listening to the system.



Press the **Sound** button on the main screen of each audio mode (FM/AM, SIRIUS, MEDIA,

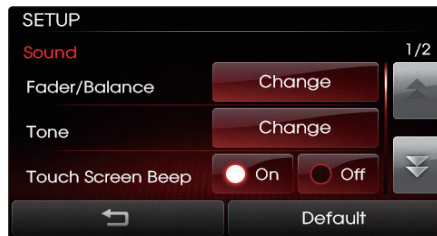
JUKEBOX) to enter Sound Setup.

Note

- Changes are saved as they are made. In other words, once you change a setting, the new setting will become saved.

1. FADER/BALANCE

Fader/Balance allows you to adjust the position of sound within the vehicle. For instance, adjusting the sound so that it is closer to the driver-side seat will proportionally lower the volume in the passenger-side and rear seats.



1. Press the Fader/Balance setting button.



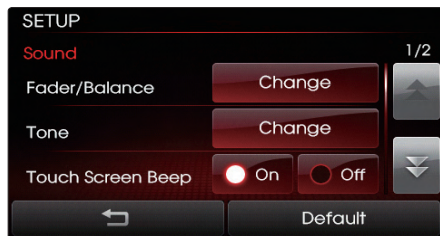
2. Use the **▲**, **▼**, **◀**, **▶** buttons to make adjustments to the sound position.
3. Press the **↩** button to return to Sound Setup.

Note

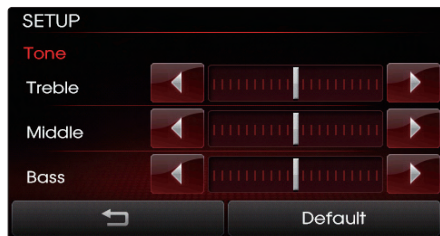
- Press the **Default** button to restore the default setting.




2. TONE

Tone allows you to make changes to the Treble, Middle and Bass settings.



1. Press the Tone setting button.



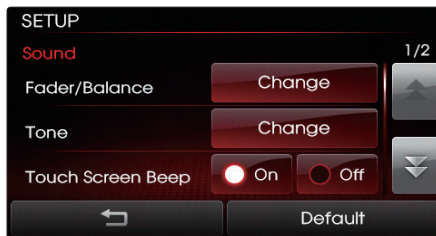
2. Use the ,  buttons to make adjustments to the Treble, Middle and Bass. Press the  button to return to Sound Setup.



Note

- Press the **Default** button to restore the default setting.

3. Touch Screen Beep

Touch Screen Beep allows you to turn on/off the beep that sounds when you touch the screen.





1. In Sound Setup, press the  or  button next to the Touch Screen Beep menu to turn the feature on or off.

4. Speed Dependent Volume Control

Speed Dependent Volume Control allows you to automatically control the volume according to the speed of the vehicle. This feature will gradually increase the volume as speed increases to offset outside noise.



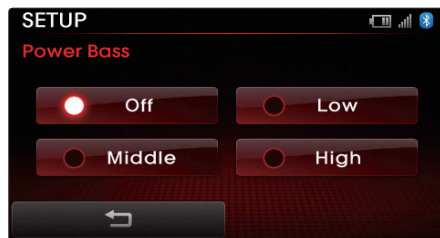
1. Press the  or  button next to the Speed Dependent Volume Control menu to turn the feature on or off.

5. Power Bass (Optional)

1. Press the Power Bass setting button.



2. Select the desired Power Bass setting from **Off**, **Low**, **Middle** or **High**. Press the  button to return to Sound Setup.

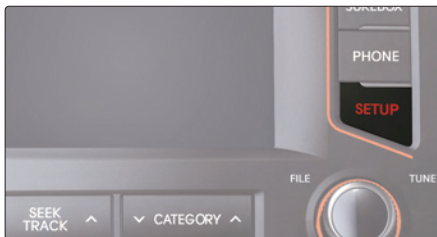


Note

- Press the **Default** button to restore the default setting.

Display Settings

The various Display setup options offered within the UVO system allow you to change display settings according to your personal preference.



1. Press the **SETUP** key on the control panel.



2. Press the **Display** button to enter Display Setup mode.

Note

- Changes are saved as they are made. In other words, once you change a setting, the new setting will become saved.

1. Setting Brightness

The UVO system allows you to control the screen brightness automatically and manually.

• Automatic Brightness Control

When the Display brightness is set to automatic, the brightness will be controlled automatically by assessing the amount of ambient light.

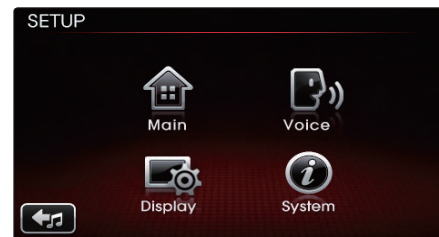


1. Press the **Display** button.



2. Press the **Automatic** button.

• Manual Brightness Control



1. Press the **Display** button.



2. Press the **Daylight** or **Night** buttons.



3. Use the **◀**, **▶** buttons to make adjustments to the display brightness.

Note

- When Brightness control is set to **Automatic**, the manual **◀**, **▶** buttons are not active.
- Press the **Default** button to restore the default setting.

Turning Display On and Off

This feature turns off the display, allowing you to listen only to the audio. It is a useful feature when you are driving at night and wish to eliminate glare from the display. Even when the display is off, audio will still be played.



1. Press the **Display** button.



2. Press the **Display off** button.

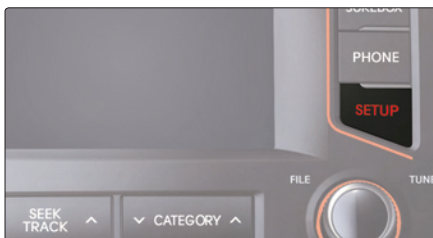
3. Press any key on the control panel or steering wheel controller to turn the display back on.

Note

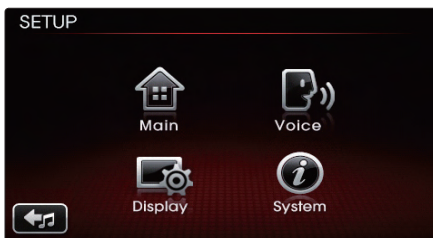
- Touching any place on the screen will also turn on the display.

Turn Text Scroll On and Off

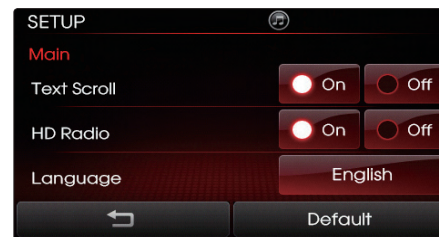
Text shown on the screen can be scrolled. Turning on this feature is helpful when viewing long lines of text on the screen.



1. Press the **SETUP** key on the control panel.



2. Press the **Main** button.



3. Press the **On** or **Off** button next to the Text Scroll menu to turn the feature on or off.

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FM/AM MODE

FM/AM Mode Screens and Features



1 Mode display

Displays the FM /AM mode.

2 PRESET indicator

If listening to a preset, displays the preset number.

3 Frequency

Displays the current frequency.

4 Program Type

If data is being transmitted, displays the program type.

5 Program Service Name

If data is being transmitted, displays the program service name.

6 Radio text

If data is being transmitted, displays radio text information.

7 HD Radio (Optional)

Changes HD Radio stations.

Becomes active when an HD Radio broad-

cast is being received.

8 Radio Icon

When pressed while listening to RDS or HD Radio(Optional) stations, displays information about the current station (frequency, station, artist, title).

9 Presets

Enters Preset list screen.

10 Scan

Scans all frequencies and plays only frequencies with high quality reception for 5 seconds each.

11 Sound

Enters Sound Setup.

12 HD Radio Station Channel Number (Optional)

Displays the channel number for the current HD Radio station.

13 HD Radio Station name (Optional)

Displays the name of the HD Radio Station.

14 Artist name

Displays the artist name.

15 Song Title

Displays the title name.

Listening to the FM/AM radio

1. Press the **FM/AM** key on the control panel. The most recently played FM/AM radio band will automatically begin playing.
2. Press the **FM/AM** key to switch to the desired radio band.

Note

- Each press of the **FM/AM** key will change the band in the order of FM → AM → FM.
- Even when the system power is off, press the **FM/AM** key to turn on the most recently played FM/AM mode.
- The RDS (Radio Data System) operates in areas with FM stations broadcasting RDS signals.

1. Selecting a broadcast frequency

The UVO system provides you with various ways to search for radio broadcasts. There are 3 ways to select radio broadcasts- selecting through SEEK, selecting through manual search, and selecting through presets.

• Selecting through SEEK

Press the **SEEK TRACK** or **SEEK TRACK** keys on the control panel for under 0.8 seconds or or keys on the steering wheel controller for over 0.8 seconds. As SEEK operates, the previous or next radio broadcasts with high quality reception will automatically be searched and played.

Note

- While SEEK is operating, pressing the same **SEEK TRACK** key will terminate SEEK. Pressing the opposite key will operate SEEK in the reverse direction.
- Press and hold the **SEEK TRACK** or **SEEK TRACK** keys (over 0.8 seconds) to quickly move through the frequencies while the button is pressed and held. Once released, the system will

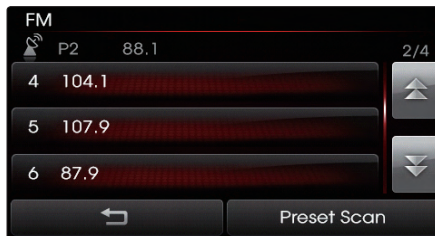
automatically search and play the previous or next frequency.

• Selecting through manual search

1. Turn the **TUNE** knob on the control panel in clockwise or counter-clockwise direction. Each click will increase or decrease the frequency by 1 step (FM: 0.2MHz, AM: 10kHz).
2. When you find the desired radio broadcast, stop turning the **TUNE** knob to listen to the selected frequency.

• Selecting through preset

1. Press the **Presets** button.



2. Select the desired preset and press the button to start listening.

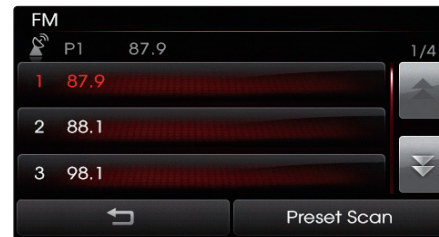
Note

- Press the **▲**, **▼** keys (under 0.8 seconds) on the steering wheel controller to flip through the presets sequentially.
- Press and hold the **▲**, **▼** keys (over 0.8 seconds) on the steering wheel controller to operate SEEK.

2. Storing presets

Presets are a way for you to save your favorite radio broadcasts. Up to 12 presets can be saved in FM mode while up to 6 frequencies can be saved in AM mode.

1. Select the desired radio broadcast.
2. Press the **Presets** button.



3. From the preset list, press and hold (over 0.8 seconds) the preset number button to which you wish to save.
4. The current radio broadcast will automatically be saved to the preset number. A beep will signify that the preset has been saved if the beep is set to ON in the sound settings.

3. Scanning FM/AM broadcast frequencies

Radio broadcasts can be scanned to conveniently find radio broadcasts with high quality reception. Each radio broadcast will be played for 5 seconds. This feature is particularly useful when traveling in new areas.



1. Press the **Scan** button.

Note

- When scanning has completed an entire revolution, the scan function will terminate automatically and the previously played frequency will be restored.

4. Preset Scan

Preset scan will scan presets in the current band (FM-12 presets, AM-6 presets) in sequential order. Each preset will be played for 5 seconds.

5. Listening to HD Radio™ Stations (Optional)

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



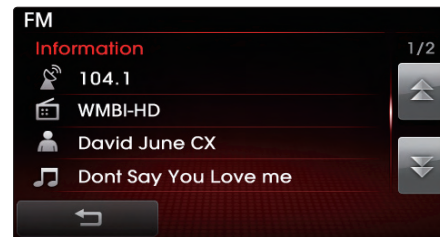
1. While listening to the radio, the HD Radio icon will become displayed if receiving an HD Radio broadcast.
2. Press the **HD ►** button to change to a different HD Radio station.

6. Viewing FM/AM Station information

When listening to an HD Radio station or RDS radio station, you will be able to view station information.



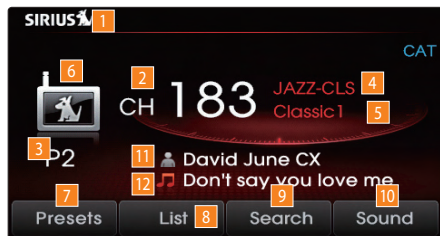
1. Press the Radio icon.



2. Information about the current station (frequency, station, artist, title) will be displayed.

SIRIUS MODE

SIRIUS Mode Screen and Features



1 Mode display

Displays the current mode as SIRIUS mode.

2 Channel number

Displays the current channel number.

3 PRESET indicator

If listening to a preset, displays the preset number.

4 Category name

Displays the category name.

5 Channel name

Displays the channel name.

6 SIRIUS Icon

When pressed, displays information about the current channel (artist, title, composer and other information).

7 Presets

Enters Preset list screen.

8 List

Displays the channel or category list.

9 Search

Displays the channel search screen.

10 Sound

Enters Sound Setup.

11 Artist

Displays the artist name.

12 Title

Displays the title.

Listening to the SIRIUS radio

Press the **SIRIUS** key on the control panel. The most recently played SIRIUS channel will automatically begin playing.

Note

- Even when the system power is off, pressing the **SIRIUS** key will turn on the most recently played SIRIUS channel.

1. Selecting a SIRIUS channel

• Selecting through SEEK

Press the **SEEK TRACK ^** or **SEEK TRACK v** keys on the control panel for under 0.8 seconds or **^** or **v** keys on the steering wheel controller for over 0.8 seconds. As SEEK operates, the previous or next SIRIUS channel will automatically be searched and played.

Note

- Press and hold the **SEEK TRACK ^** or **SEEK TRACK v** keys (over 0.8 seconds) to quickly move through the channels while the button is pressed and held. Once released, the system will

automatically search and play the previous or next channel.

• Selecting through manual search

1. Turn the **TUNE** knob on the control panel in clockwise or counter-clockwise direction. Each click will display the corresponding channel information.
2. When you find the desired SIRIUS channel, press the **TUNE** knob to listen to the selected channel.



• Selecting through preset

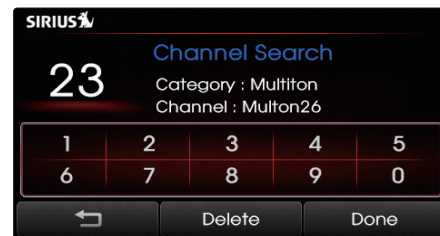


1. Press the **Presets** button.
2. Select the desired preset and press the button to start listening.

Note

- Press the **^**, **v** keys (under 0.8 seconds) on the steering wheel controller to flip through the presets sequentially.

• Selecting through channel search

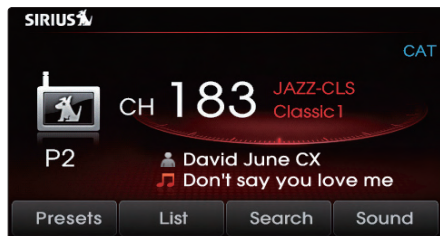


1. Press the **Search** button. The channel search screen will be displayed.
2. Input the desired channel number and press the **Done** button. To delete entries, press the **Delete** button.

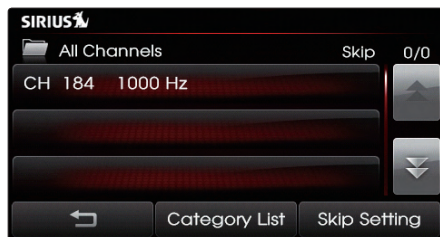
Note

- If you input a number where there is no channel, the **Done** button will become inactive.

• Selecting through SIRIUS category list



1. Press the **List** button.

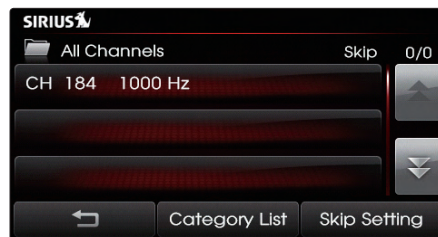


2. Select the desired channel to start listening or press the **Category List** button to display the channels in the selected category.

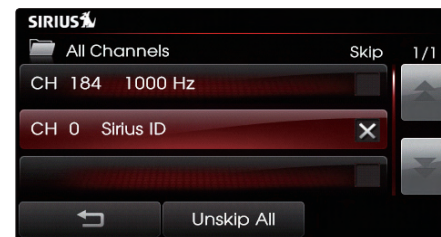
2. Using Skip



1. Press the **List** button.



2. Press the **Skip Setting** button.



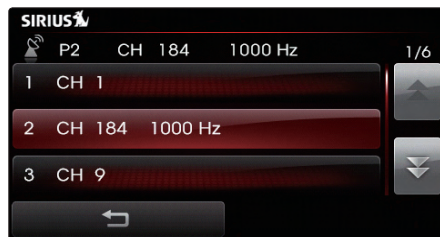
3. Select the channels you wish to skip. When selected, an **X** will be displayed next to the selected channel.

3. Storing presets



Presets are a way for you to save your favorite SIRIUS channels. Up to 18 presets can be saved in SIRIUS mode.

1. Select the desired SIRIUS channel.
2. Press the **Presets** button.



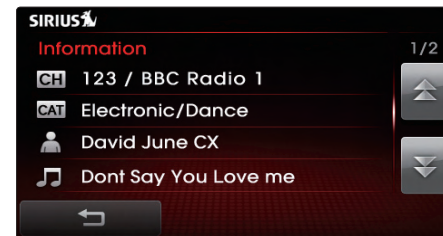
3. From the preset list, press and hold (over 0.8 seconds) the preset number button to which you wish to save.

4. The current radio broadcast will automatically be saved to the present number. A beep will signify that the preset has been saved if the beep is set to ON in the sound settings.

4. Viewing SIRIUS channel information



1. Press the SIRIUS icon.



2. Information about the current channel (channel, category, artist, title) will be displayed.

MEDIA MODE

The MEDIA mode within your UVO system offers a variety of media modes which allow you convenience and ease in operating your system. Media mode includes a variety of modes, such as audio CD, MP3 CD, USB, iPod, zune, BT audio, and Aux. The features listed below describe common features which you will encounter when operating Audio CD, MP3 CD, USB, iPod, zune, and JUKEBOX modes.

Common Features

• Play/Pause



1. Insert or connect the desired media (Audio CD, MP3 CD, USB, iPod, zune) or press the **MEDIA** key on the control panel if the desired media has already been inserted or connected.
2. Each press of the **MEDIA** key will change the mode in the order of CD → USB/iPod/zune → AUX → BT AUDIO → CD.
3. When a desired media is playing and you wish to pause, press the **II** button next to the progress bar. Press the **▶** button to restart the song.

• REW/FF



1. Press and hold the **SEEK TRACK ^** or **SEEK TRACK v** keys (over 0.8 seconds) on the control panel or the **▲**, **▼** keys (over 0.8 seconds) on the steering wheel controller.
2. The song will rewind or fast-forward at a rate 20 times faster than normal while the key is being held.
3. Release the key to play from the current position.

Note

- If you rewind to the beginning of the current song, the current song will automatically begin playing.
- If you fast-forward to the end of the current song, the next song will automatically begin playing.

• Jump



1. You can jump to different points in a song by touching the position on the progress bar.

Note

- The Jump feature is not supported in iPod or iPhone devices.

• Using Repeat

The repeat setting can be used to repeat the currently playing song.



1. Press the **Repeat** button. The 'Repeat' icon will be displayed.
2. Press once to turn on the Repeat setting and again to turn off.

• Using Shuffle

The Shuffle setting can be used to play all song in the current mode randomly.



1. Press the **Shuffle** button. The 'Shuffle' icon will be displayed.
2. Press once to turn on the Shuffle setting and again to turn off.

AUDIO CD MODE

Cautions upon handling Audio CDs

1. Precautions upon handling discs

- Store discs within their intended cases to prevent scratches.
- Never use heart-shaped, octagon-shaped or any other abnormally shaped discs.
- Never expose discs to direct sunlight for prolonged periods of time. Such exposure may lead to disc deformation.
- Never clean with solvents, such as anti-static sprays, cleaners, benzene, or thinners.
- Dust, scratch, and other foreign substances may cause popping sounds as well as sound deterioration.
- Never place paper on either side of the disc or write on disc surfaces.
- Clean fingerprints and dust off the signal surface (coated side) of the disc with a soft cloth.

- Copy-protected CDs, such as S-type CDs may not operate properly in the system.
- DATA CDs are not supported by the system.

2. For safe and efficient operation

- Never disassemble the CD Player(CDP) for repair purposes. Contact your place of purchase in case of malfunction. (Full service assistance will not be provided if the user disassembles the device.)
- Never use water to clean the system.
- Heed caution not to introduce foreign substances into the disc slot.
- The system may not operate in extremely hot or cold temperatures. (The operational temperature range is: -10C° ~ 65C°).
- Steam may condense on the fiber optic lens due to rain, wet conditions, or heat caused by system operation.
- Never clean the system with chemical solvents. Always use a clean and dry cloth.

3. Supported disc format

- The disc types supported by this device are as shown below.

Disc format	Disc media	Format
CD	CD CD-R CD-RW	CD-DA MP3 WMA CD-ROM CD-TEXT

Disc Size	5inch (12.7cm)
-----------	----------------

Disc Format	Audio Format
CD	LPCM
MP3	MPEG1, Layer3
	MPEG2, Layer3
	MPEG2.5
WMA	Ver. 9

- CD-R or CD-RW DISC burned with a bulk CD without quality guarantees may not be recognized by the device.
- Inserting an abnormal disc may result in faulty operation.

4. Disc/content format and compatibility

Ordinary disc compatibility

- This system has been designed to be compatible with software bearing the following logo marks.



- CD-R/RW discs (Audio CD and MP3 CD) created with CD-writing devices or personal computers may not operate properly.

Special formats or special features regarding software

CD-R/RW Compatibility

- This system operates as a CD-ROM and supports CD-R and CD-RW discs in CD audio or MP3 CD format.

- CD-R/RW discs burned as audio CDs which have not been finalized are not supported by the device. However, some information, such as play time, may still be displayed.

PC-created DISC compatibility

- When burning a disc with a personal computer, even discs compatible with the formats described above may not operate properly due to software settings within the burning application. In such cases, contact the software developer.
- Additional information regarding compatibility can be found on the CD-R/RW software disc box. DVD-R/RW discs are not supported by the device.

Compressed audio compatibility

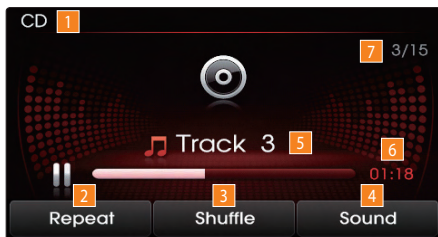
This system plays audio files compressed by MPEG-1 audio stream layer 3(MP3) using 32, 44.1 and 48kHz fixed bit rates. Incompatible files are not supported.

- Variable bit rate files may operate, but the play time information may not be properly

displayed.

- Physical formats of CD: Model 1, Model 2 XA format 1.
- This system only supports tracks with file extension of ".MP3" or ".WMA".
- This system does not support multisession discs.
- This system supports a maximum of 256 folders and maximum 512 files. Folders and files which exceed this limit will not be supported.
- There are various bit rates which can be encoded onto MP3 files. This system has been designed to be compatible with various bit rates. Audio which has been encoded at 128kbps will sound similar to CD audio sound quality. Although this device supports low bit rate MP3 files, such files may result in a low quality sound.
- For stable operation, the use of files in 95kbps~192kbps bit rate range and 44.1kHz sampling frequency is recommended.
- For Mixed CDs (MP3+CD-DA), only CD-DA files will be recognized and supported.

AUDIO CD Mode Screen and Features



1 Mode Display

Displays that the current mode is CD mode.

2 Repeat

If Repeat is operating, the current track will be repeated and the corresponding icon will be displayed.

3 Shuffle

If Shuffle is operating, the tracks will be played in random order and the corresponding icon will be displayed.

4 Sound

Enters Sound Setup.

5 Track Number

Displays the track number

6 Play Time

Displays the play time.

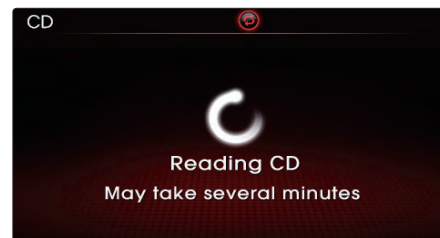
7 Current/Total Track Number

Displays the current track number and total number of tracks on CD.

Inserting/Ejecting a Disc

1. Inserting a Disc

Insert the disc into the slot. The disc will begin playing automatically after it has been inserted.



2. Ejecting a Disc

Press the  button.

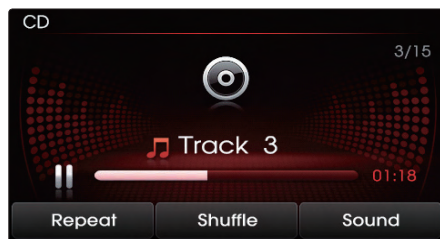
The disc will immediately be stopped and ejected.

Note

- If the disc is straddled on the slot without removing for approximately 10 seconds, the disc will be re-inserted automatically into the disc player. In such cases, the disc will not begin playing automatically.

Listening to an Audio CD

1. Insert a CD or press the **MEDIA** key on the control panel if the CD has already been inserted.



2. When a track is playing and you wish to pause, press the **II** button next to the progress bar. Press the **▶** button to restart the track.

Note

- When playing a CD-TEXT, the title and artist will also be displayed.

Selecting a CD track

1. Selecting through Track Up/Down

1. Press the **SEEK TRACK** **▲** or **SEEK TRACK** **▼** keys on the control panel or the **▲** or **▼** keys on the steering wheel controller to play the desired track.
2. The previous or next track will begin playing.

Note

- If the **SEEK TRACK** **▼** key on the Control panel or **▼** key on the steering wheel controller are pressed and released after the track has played for more than 3 seconds, the start of the current track will begin playing. If the track has been playing for less than 3 seconds, the start of the previous track will begin playing.

2. Selecting through manual search

1. Turn the **TUNE** knob on the control panel in clockwise or counter-clockwise direction. Each click will display information about the selected track.

2. Press the **TUNE** knob to play the selected track.

Note

- The current track will continue playing even as you search tracks through the **TUNE** knob.

MP3 CD MODE

Cautions upon handling MP3 CD

1. Precautions upon handling discs

- Acceptable standard: MPEG1 AUDIO LAYER 3
- Acceptable sampling frequency: 32, 44.1, 48 (KHz)
- Acceptable bit rate: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps)
- Recommended bit rate & reference sampling frequency: 96,128, 192 kbps fixed bit rate /44.1KHz

2. ID3 tag

- This device supports ID3v1.0, ID3v1.1, ID3v2.2, ID3v2.3, and ID3v2.4 ID3 tags.

3. Supported media

- The MP3 media supported by the device are CD-ROM and USB.

4. Supported media formats

- This device supports ISO9660 LEVEL1 and LEVEL2. Detailed specification is as below.
- Maximum directory layers: 8 layers
- Maximum folder length: 64 Bytes, file name length: 64 Bytes
- Maximum number of folders which can be stored onto one disc: 256 folders (including ROOT directory)
- Maximum number of files which can be stored onto one disc: 512 files

5. Precautions upon burning MP3 files

- The use of ISO 9660 LEVEL 2 JULIET format is recommended when burning MP3 files. Burning in other formats may abnormally display the file names.
- It is possible to display up to 32 characters for file and folder names in case of UNICODE, and up to 64 characters in case of ASCII.
The full length of the artist name and the song title can be displayed by using the scroll function.

6. Precaution

- Use an MP3 bit rate which is less than 128 kbps. The sound quality cannot be guaranteed for MP3s exceeding 128kbps.