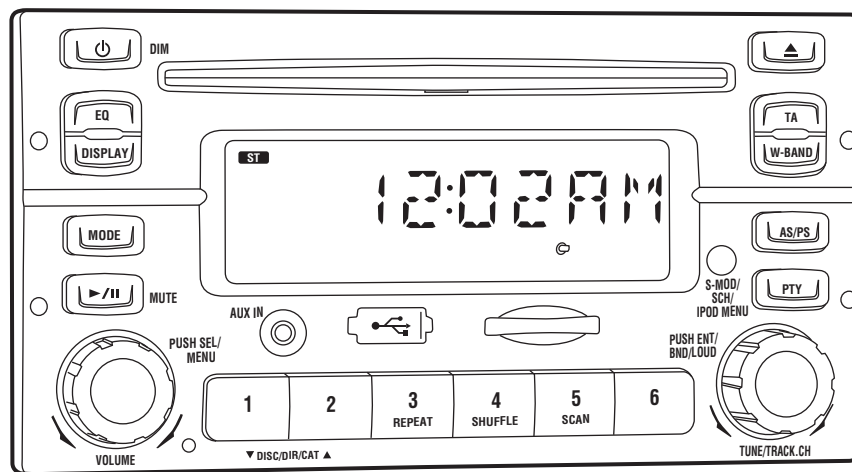




# Operation and Installation Manual



## **M1-CD** AM / FM / WB Stereo Receiver with CD Player

U.S. PATENT NO.: D561753

## Introduction

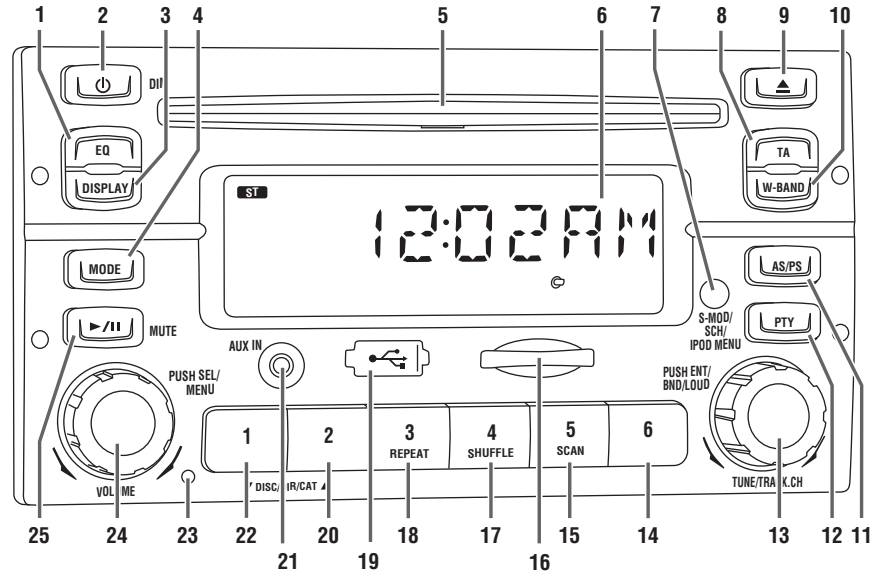
Please take the time to read all of the information in this manual. Familiarity with operation and installation procedures will help you obtain the best possible performance from your new AM/FM/WB Stereo Receiver with CD Player.

**WARNING!** To prevent fire or electrical shock hazard, do not expose this product to moisture, or remove cover or bottom screws. No user-serviceable parts inside. Refer servicing to qualified personnel.

## Index

Button Locations and Functions .....	3-5
Remote Control Button Locations and Functions .....	5-6
General Operations .....	6-7
Setting the Clock .....	7
AM/FM Radio Operations .....	8-10
Weather Band Radio Operations .....	10
Sound Controls .....	11-12
Disc Warnings .....	13
CD Operation (Compact Disc) .....	14-15
MP3 Operation .....	16-17
CD Changer Operation .....	18-19
Sirius Satellite Radio Setup .....	19
Sirius Satellite Radio Operation .....	20-23
IPOD Operation .....	24-26
Auxiliary Audio Input (Front and Rear) .....	26
USB Operation .....	27
SD Card Operation .....	28
Setup Features .....	28-29
Installation .....	30
Speaker Connections .....	31
Auxiliary Connections .....	32
Input Connections .....	33-34
Reset Button .....	35
Replaceable Fuse .....	35
Warranty .....	36

## Button Locations and Functions



1. **Equalizer Button (EQ):** Press to choose between preset sound equalization settings.
2. **Power On/Off and Display Dimmer:** Press to turn the unit On or Off. Press and hold to dim the display. Press and hold again to restore display's illumination.
3. **Display Button:**
  - Radio Mode:** Press to display clock then press again to show radio RBDS (Radio Broadcast Data System) information if available. Press on more time to display radio station frequency.
  - CD and CD Changer Mode:** Press to display clock, after 5 seconds the display will revert back to CD track information.
4. **Mode Button:** Press to change the play source: Radio, CD, Auxiliary Audio Input Front (AUX FRT) and Auxiliary Audio Input Rear (AUX REAR). Depending on what other input sources are connected (IPOD, Sirius and CD Changer) these play sources will also appear in the display.
5. **CD Slot:** To play a CD insert a disc into the slot with the label facing up.
6. **Display Area:** This area displays all function information for the radio, clock and CD player.
7. **Infrared Eye:** Receives the signals from the optional remote control.
8. **Traffic Announcement Button (TA):** Press the TA button to activate the traffic announcement function, the "TA" icon will flash in the display. Upon the availability of a traffic announcement, the "TA" icon will stop flashing and the unit will automatically play the the traffic announcement. After the traffic announcement the unit will revert back to the previous mode. See Traffic Announcement in the "AM/FM Radio Operation" section for more information.
9. **Eject Button:** Press to eject a disc.
10. **Weather Band Button (W-BAND):** Press to instantly access the weather band radio.
11. **Radio AS/PS Button:** Automatic Radio Station Memory Storing (AS) and Preset Radio Station Scanning (PS). (See "AM/FM Radio Operation" for more details.)
12. **Radio PTY Button:** Press the PTY button in the FM radio mode to display PTY program type. To search for stations according to PTY. (See "AM/FM Radio Operation" for more details.)

## Button Locations and Functions (Continued)

### 13. Tune/Track and Loud Knob:

#### Radio Mode:

**Manual Tuning:** Rotate the **TUNE** knob to the left or right and hold until "MANUAL" appears in the display, then release knob. Rotate the **TUNE** knob again left or right until the desired radio station appears in the display.

**Seek Tuning:** Rotate the **TUNE** knob to the left or right and release. The tuner will scan to the next strong station and stop.

**CD and CD Changer Mode:** Rotate the **TUNE** knob to the left or right to change the CD track on the CD that is playing.

**Loudness:** Press and hold **TUNE** knob until "LOUD ON" appears in the display to boost high and low tones at low volume levels. To deactivate, press and hold **TUNE** knob again until "LOUD OFF" appears in the display.

### 14. Multi-Function Button #6:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #6 (CH6). Press and release when recalling preset radio station #6.

### 15. Multi-Function Button #5:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #5 (CH5). Press and release when recalling preset radio station #5.

**CD Mode:** Press to preview each track on the CD for 10 seconds. Press again to cancel.

**CD Changer Mode:** Press to preview each track on the CD for 10 seconds. Press and hold to preview the first track on every loaded CD for 10 seconds. Press again to cancel.

### 16. SD Card Slot: Insert the SD card to play recorded music data.

**Notes:** This unit may not play all SD cards. The manufacturer of this unit is not responsible for any data loss. Backup your data.

### 17. Multi-Function Button #4:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #4 (CH4). Press and release when recalling preset radio station #4.

**CD Mode:** Press to play all the tracks on the CD in random order. Press again to cancel.

**CD Changer Mode:** Press to play all the tracks on the CD in random order. Press and hold to play all the CDs in random order. Press again to cancel.

### 18. Multi-Function Button #3:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #3 (CH3). Press and release when recalling preset radio station #3.

**CD Mode:** Press to repeat a CD track. Press again to cancel.

**CD Changer Mode:** Press to repeat a CD track. Press and hold to repeat the entire disc. Press again to cancel.

### 19. USB Input: Plug in your USB device. "USB" will then appear in the display.

**Note:** This unit may not function with all MP3 players. The M1-CD will control the USB audio device. (See "USB Operation" for more details).

### 20. Multi-Function Button #2:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #2 (CH2). Press and release when recalling preset radio station #2.

**CD Changer Mode:** Push to change to a higher number disc in the CD changer.

### 21. Audio Input Jack: Press the **MODE** button until "AUX FRT" appears in the display then plug in device into the 3.5mm audio input.

**Note:** The M1-CD does not control the auxiliary device, it just allows the audio to be played through the system.

### 22. Multi-Function Button #1:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #1 (CH1). Press and release when recalling preset radio station #1.

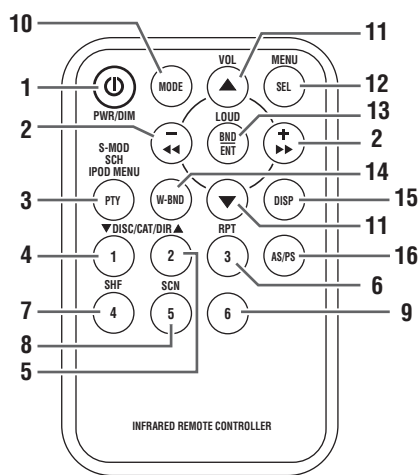
**CD Changer Mode:** Push to change to a lower number disc in the CD changer.

### 23. Reset: Press to reset the unit to its default settings.

## Button Locations and Functions (Continued)

- 24. Volume and Select Knob:** Rotate to increase or decrease the volume level. Press to select the sound controls: Bass, Treble, Balance and Fader.
- 25. CD Play/Pause and Mute Button:**  
**CD and CD Changer Mode:** Press to pause disc play. Press again to resume play.  
**Radio, Sirius Satellite Radio and AUX Input Modes:** Press to mute volume level. Press again to restore.

## Remote Control Button Locations and Functions (Optional)



- 1. Power On/Off:** Press to turn the unit On or Off.
- 2. Tune/Track and Loud Knob:**  
**Radio Mode:**  
**Manual Tuning:** Press and hold ◀◀ or ▶▶ button until "MANUAL" appears in the display then release button. Press either button again until the desired radio station appears in the display.  
**Seek Tuning:** Press the ◀◀ or ▶▶ button and tuner will scan to the next strong station and stop.  
**CD and CD Changer Mode:** Press the ◀◀ or ▶▶ button to change the CD track on the CD that is playing.  
**IPOD Mode:** See IPOD Operation Section for more information.
- 3. Radio PTY Button:** Press the PTY button in the FM radio mode to display PTY program type. To search for stations according to PTY (See "AM/FM Radio Operation" for more details.)

- 4. Multi-Function Button #1:**  
**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #1 (CH1). Press and release when recalling preset radio station #1.  
**CD Changer Mode:** Push to change to a lower number disc in the CD changer.
- 5. Multi-Function Button #2:**  
**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #2 (CH2). Press and release when recalling preset radio station #2.  
**CD Changer Mode:** Push to change to a higher number disc in the CD changer.
- 6. Multi-Function Button #3:**  
**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #3 (CH3). Press and release when recalling preset radio station #3.  
**CD Mode:** Press to repeat a CD track. Press again to cancel.  
**CD Changer Mode:** Press to repeat a CD track. Press and hold to repeat the entire disc. Press again to cancel.
- 7. Multi-Function Button #4:**  
**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #4 (CH4). Press and release when recalling preset radio station #4.  
**CD Mode:** Press to play all the tracks on the CD in random order. Press again to cancel.  
**CD Changer Mode:** Press to play all the tracks on the CD in random order. Press and hold to play all the loaded CDs in random order. Press again to cancel.
- 8. Multi-Function Button #5:**  
**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #5 (CH5). Press and release when recalling preset radio station #5.

## Remote Control Button Locations and Functions (Optional) (Continued)

### 8. Multi-Function Button #5 (Continued):

**CD Mode:** Press to preview each track on the CD for 10 seconds. Press again to cancel.

**CD Changer Mode:** Press to preview each track on the CD for 10 seconds. Press and hold to preview the first track on every loaded CD for 10 seconds. Press again to cancel.

### 9. Multi-Function Button #6:

**Radio Mode:** Press and hold until a beep is heard to memorize a radio station into memory #6 (CH6). Press and release when recalling pre-set radio station #6.

**10. Mode Button:** Press to change the play source: Radio, CD, Auxiliary Audio Input Front (AUX FRT) and Auxiliary Audio Input Rear (AUX REAR). Depending on what other input sources are connected (IPOD, Sirius and CD Changer) these play source will also appear in the display.

**11. Volume Adjustment Buttons:** Press to increase or decrease the volume level. When selected it also adjust Bass, Treble, Balance and Fader.

**12. Select/Menu:** Press to select the sound controls: Bass, Treble, Balance and Fader.

### 13. BAND/ENT and Loud:

**Radio Mode:** Press the button to select from AM1, AM2, F1, F2 and F3. Press and hold to activate loudness.

**Loud Mode:** Press and hold the button to turn loudness On.

**14. Weather Band Button (W-BAND):** Press to instantly access the weather band radio.

### 15. Display Button:

**Radio Mode:** Press to display clock then press again to show radio RBDS (Radio Broadcast Data System) information if available. Press one more time to display radio station frequency.

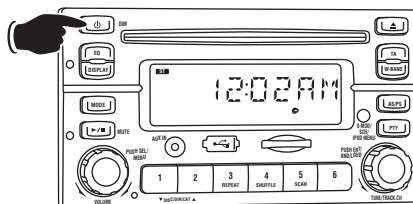
**CD and CD Changer Mode:** Press to display clock information. After 5 seconds the display will revert back to CD track information.

**16. Radio AS/PS Button:** Automatic Radio Station Memory Storing (AS) and Preset Radio Station Scanning (PS). (See "AM/FM Radio Operation" for more details.)

## General Operations

### Power On/Off:

Press the  button to turn the unit On.



### Selecting the Play Source:

To select a play source, press the **MODE** button until the desired source appears in the display:

**F1, F2, F3, AM1 or AM2** (AM and FM Band).

**T** (CD, DVD and USB),

**AUX FRT** (Audio in Front),

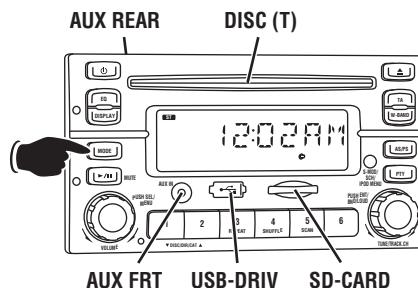
**AUX REAR** (Audio in Rear),

**SIRIUS** (Satellite Radio Input),

**SD-CARD** (SD Card Input) and


**USB-DRIV** (USB Input).

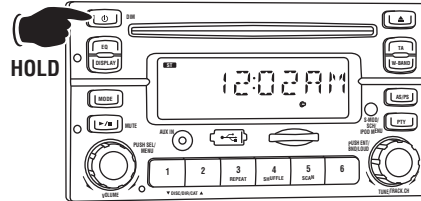
**NOTE:** The play source will not appear in the display unless a device is connected. (Example: If a USB drive is not connected "USB-DRIVE" will not appear in the display when pressing the **MODE** button.)



## General Operations (Continued)

### Dimming the Display:

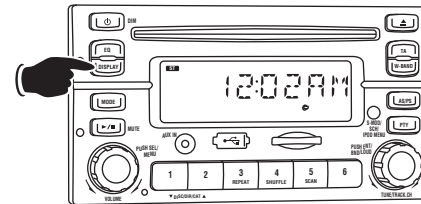
Press and hold the  button to dim the display. Press and hold it again to restore normal display brightness.



### Display Selection:

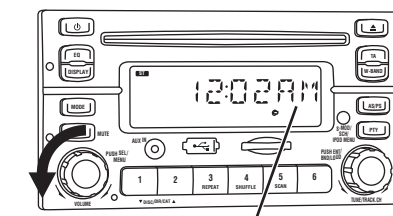
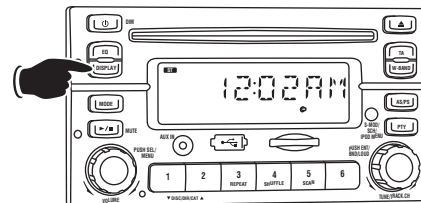
Press the **DISPLAY** button at anytime to display the clock. Press again to return to previous display.

Press and hold to perform clock setting functions (See Setting the Clock for more information).

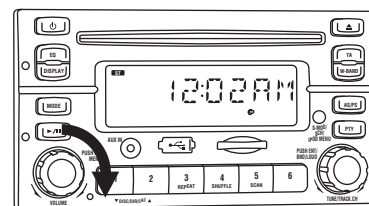


## Setting the Clock

1. Press and hold the **DISPLAY** button at anytime until the clock begins to flash in the display.
2. Rotate the **VOLUME** knob counterclockwise until the correct "HOURS" appears in the display.  
**Note:** When setting the clock make sure to select the correct AM or PM indicator.
3. Rotate the **VOLUME** knob clockwise until the correct "MINUTES" appears in the display.
4. Wait 5 seconds and the display will return to last mode displayed.



Hours AM/PM Indicator



Minutes

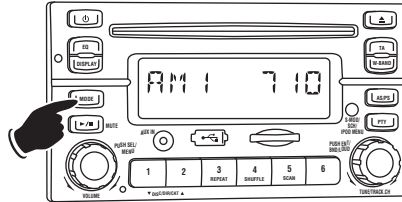
## AM/FM Radio Operations

### Power On/Off:

Press the  button to turn the unit On.

### Selecting the Play Source:

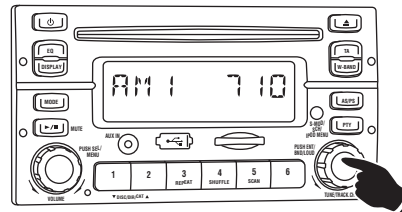
Press the **MODE** button until AM1, AM2, F1, F2, F3 or radio station call letters appear in the display.



### Selecting the AM or FM Band:

Press the **TUNE** knob repeatedly and select from AM1, AM2, F1, F2 or F3.

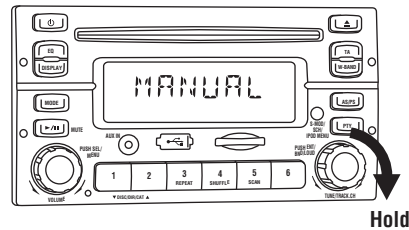
**Note:** Radio station call letters may appear instead of the radio band.



### Manually Tuning in a Radio Station:

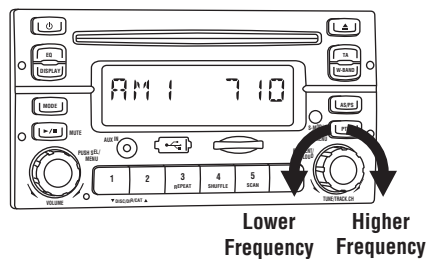
Rotate and hold the **TUNE** knob until "MANUAL" appears in the display then release. Then rotate the **TUNE** knob until the desired radio station appears in the display.

**Note:** The unit will automatically switch from FM Mono to FM Stereo when the signal strength increases to a stereo level. If the stereo signal should become weak, the unit will switch back to Mono. FM stereo reception is indicated when the "ST" appears in the display.



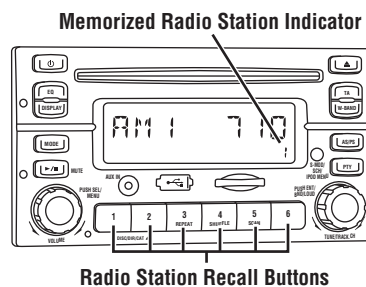
### Tuning in a Radio Station Using Seek:

Rotate and release the **TUNE** knob and the tuner will scan to the next strong station, then it will and stop seeking and start playing.



### Memorizing Radio Stations:

1. Press the **TUNE** knob to select either the AM1, AM2, F1, F2 or F3 radio band.
2. Tune in the desired radio station.
3. To memorize the station, press and hold one of the six **Radio Station Recall** buttons until you hear a beep.
4. The Memorized Radio Station Recall Indicator will appear in the display.

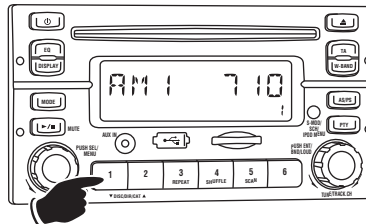




## AM/FM Radio Operation (Continued)

### Recalling Memorizing Radio Stations:

1. Press the **TUNE** knob to select either the AM1, AM2, F1, F2 or F3 radio band.
2. Press and release one of the six **Radio Station Recall** buttons to select the memorized radio station.

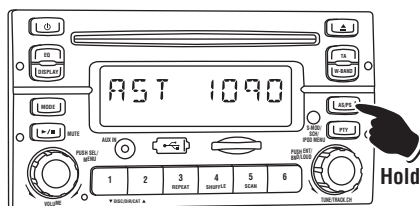


### Automatically Store Radio Stations:

1. Press the **TUNE** knob to select either the AM1, AM2, F1, F2 or F3 radio band.
2. Press and hold the **AS/PS** button until "AST" appears in the display. The tuner will search for the strongest stations, and store them into memory. The new stations will replace stations that were previously stored in the current band.

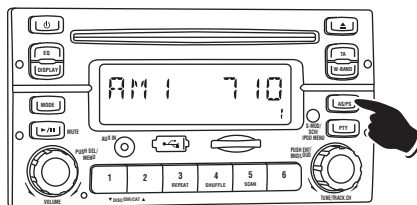
**Note:** After the new stations are stored into memory the tuner will start scanning the newly memorized stations.

3. When a desired station is reached, press the **AS/PS** button to stop the scanning.



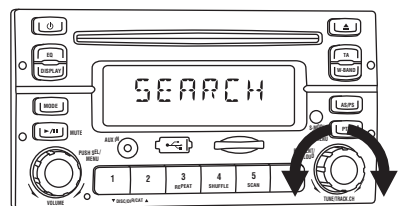
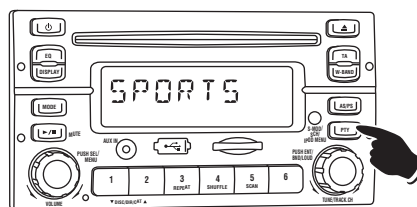
### Scanning Stored Radio Stations:

1. Press the **TUNE** knob to select either the AM1, AM2, F1, F2 or F3 radio band.
2. Press the **AS/PS** button and the tuner will scan for preset stations stored in the current band and pause for 5 seconds at each station. When a desired station is reached, press the **AS/PS** button again to stop the scanning.



### Scanning for FM Radio Stations According to Program Type (PTY):

1. Press the **TUNE** knob to select either F1, F2 or F3 radio band.
2. Press the **PTY** button to display the program type.
3. Rotate the **VOLUME** knob to select the desired program type (PTY) (Example: News, Information, Sports, etc.).
4. Rotate the **TUNE** knob to search a station with the selected program type (PTY).



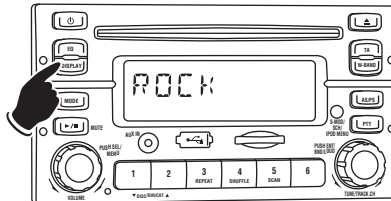
Lower Higher

## AM/FM Radio Operation (Continued)

### Display:

Press the **DISPLAY** button repeatedly to display Program Service Name → Clock Time → Program Type → Frequency → Program Service Name.

**Note:** The AM Radio Band will only display the Frequency or Clock Time.



### Traffic Announcement:

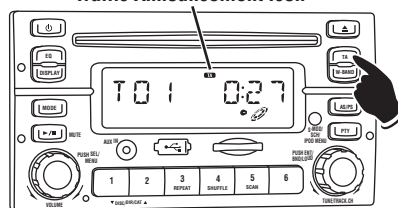
The Traffic Announcement feature will interrupt any mode that is playing to provide a traffic announcement. Follow the instructions below to activate the Traffic Announcement feature:

1. In any mode press the **TA** button.
2. The “TA” icon will flash in the display. The traffic announcement feature is now activated.
3. When a traffic announcement is broadcast the unit will automatically switch to play the traffic announcement. The “TA” icon will stop flashing.
4. When the traffic announcement has ended, the unit will return to the previous mode.
5. Press the **TA** button to cancel the Traffic Announcement feature. The TA icon will disappear in the display.

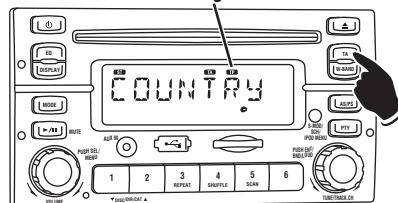
### Notes:

1. In the FM mode, when the **TA** button is pressed, the radio will search for a station with a Traffic Program and the “TP” icon will appear in the display. The “TA” icon will also appear in the display.
2. If the Traffic Announcement feature has been activated, and you press the **MODE** button, the Traffic Announcement feature will be cancelled. Press the **TA** button again to activate the feature again.

### Traffic Announcement Icon



### Traffic Program Icon



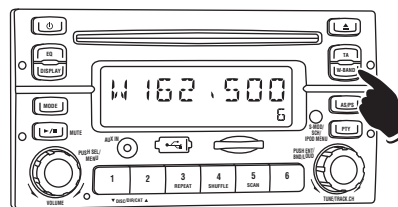
## Weather Band Radio Operations

### Tuning in a Weather Band Radio Station:

Press the **W-BAND** button and the tuner will scan for the strongest weather band station and start playing.

### Notes:

1. The remaining weather bands are stored in the Radio Station Recall Buttons. Rotate **TUNE** knob clockwise or counterclockwise to select from WB1 to WB7. Depending on your location, not all stations will receive a weather broadcast.
2. To exit the weather band, press the **TUNE** knob to select another radio station band – AM or FM.

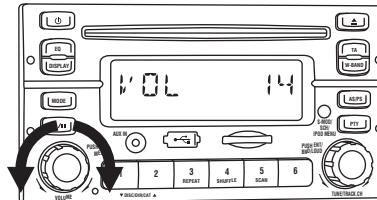


## Sound Controls

### Volume:

Increase the volume by rotating the **VOLUME** knob clockwise.

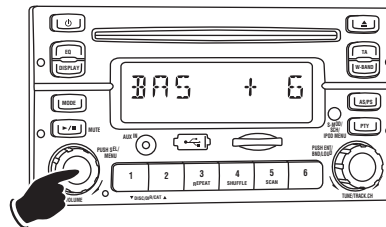
Decrease the volume by rotating the **VOLUME** knob counterclockwise.



Decrease Increase

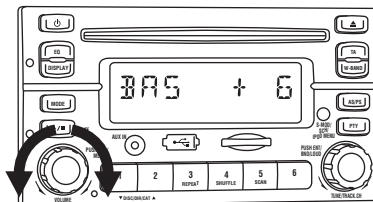
### Bass, Treble, Balance and Fader Controls

Select the desired sound mode by pressing the **VOLUME** knob. The modes will be displayed in the following order: Bass, Treble, Balance and Fader.



### Bass:

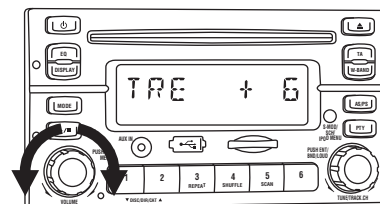
1. Select the Bass mode (BAS) by pressing the **VOLUME** knob.
2. Rotate the **VOLUME** knob to increase or decrease the bass level.
3. After 5 seconds control will revert back to volume control.



Increase Decrease

### Treble:

1. Select the Treble mode (TRE) by pressing the **VOLUME** knob.
2. Rotate the **VOLUME** knob to increase or decrease the treble level.
3. After 5 seconds control will revert back to volume control.



Increase Decrease

### Balance:

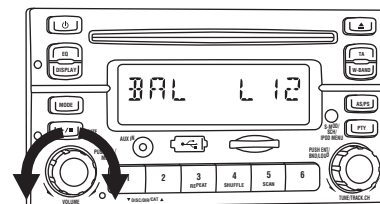
1. Select the Balance mode (BAL) by pressing the **VOLUME** knob.
2. To adjust the amount of sound output to the Right speakers, rotate the **VOLUME** knob clockwise.  
To adjust the amount of sound output to the Left speakers, rotate the **VOLUME** knob counterclockwise.

BAL 00 = Sound to right and left speakers equally.

BAL R12 = Sound to Right speakers only.

BAL L12 = Sound to Left speakers only.

3. After 5 seconds control will revert back to volume control.



Left Right

## Sound Controls (Continued)

### Fader:

1. Select the Fader mode (FAD) by pressing the **VOLUME** button.
2. To adjust the amount of sound output to the Rear speakers, rotate the **VOLUME** knob clockwise.

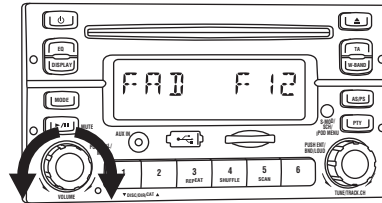
To adjust the amount of sound output to the Front speakers, rotate the **VOLUME** knob counterclockwise.

FAD 00 = Sound to front and rear speakers equally.

FAD R12 = Sound to rear speakers only.

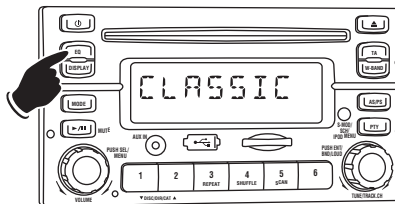
FAD F12 = Sound to front speaker only.

3. After 5 seconds control will revert back to volume control.



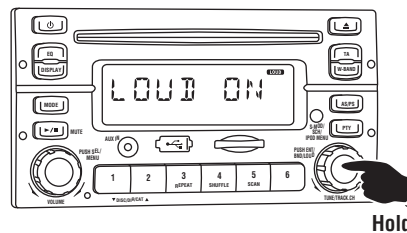
### Equalizer (EQ):

Press the EQ button to choose between the pre-set equalizer settings: Rock, Pop, Classic, Vocal, Flat and Jazz as indicated in the display area.



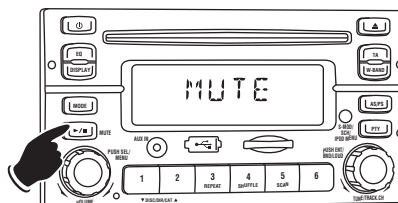
### Loud:

To boost high and low tones at low volume levels, press and hold the **TUNE** knob until "LOUD ON" appears in the display. To deselect, press and hold the **TUNE** knob again until "LOUD OFF" appears in the display.



### Mute:

Press and release the **MUTE** button to mute the volume level. If a CD is playing the **MUTE** button will pause the disc. Press the **MUTE** button again to restore the volume or resume playing the disc.



## Disc Warnings

### Disc Formats Supported by this Player:



CD  
12cm disc



MP3  
12cm disc

### Handling and Cleaning:

- Dirt, dust, scratches and warping disc will cause non operation.
- Do not place stickers on disc or scratch disc.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent damage.
- Do not place discs in the following places:
  1. Direct sunlight.
  2. Dirty, dusty and damp areas.
  3. Near car heaters.
  4. Car seats or dashboard.

Label side up



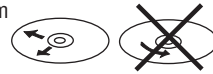
Do not touch the underside of the disc



Do not bend



Wipe the disc from the center toward the outside edge



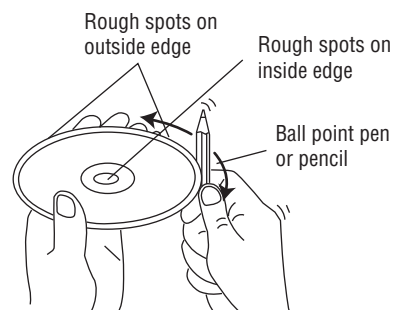
### Disc Cleaning:

Use a dry soft cloth to wipe disc the surface. If the disc is quite dirty, use a soft cloth slightly moist with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

**Note:** A disc may become somewhat scratched (although not enough to make it unusable) depending on handling and conditions in the usage environment.


### Preparing New Discs with Rough Spots:

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown. To do this, press the side of the pen or pencil against the inside and outside edges of the disc.

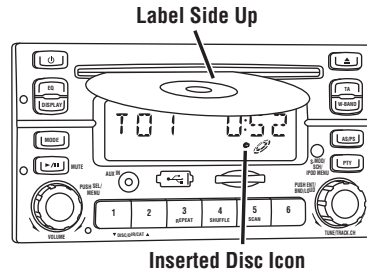


## CD Operation

### General Operations:

1. Press the  button to turn the unit On.
2. Gently insert the disc into the slot with the label side up. The unit will automatically load the disc.

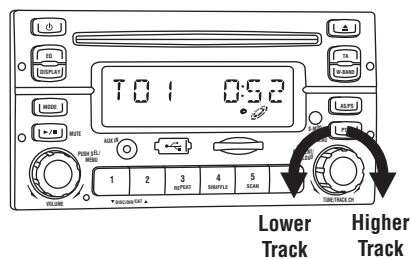
**Note:** If a CD does not auto-load **DO NOT FORCE** it into the slot, as you may already have a CD loaded indicated by the inserted disc icon.



### CD Track Selection:

Rotate the **TUNE** knob counterclockwise to select a lower track.

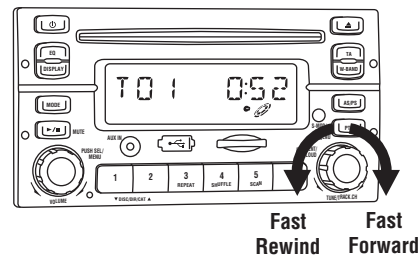
Rotate the **TUNE** knob clockwise to select a higher track.




### CD Fast Forward/Fast Rewind:

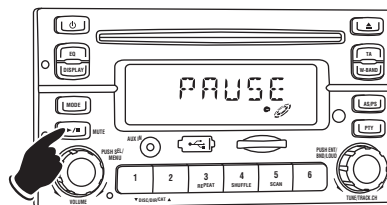
Rotate and hold the **TUNE** knob clockwise to fast forward the CD.

Rotate and hold the **TUNE** knob counterclockwise to fast rewind the CD.



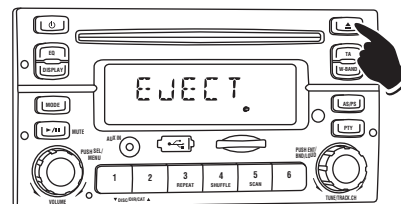
### Pausing a CD:

Press the  button to pause the disc. Press it again to resume play.



### Ejecting a CD:

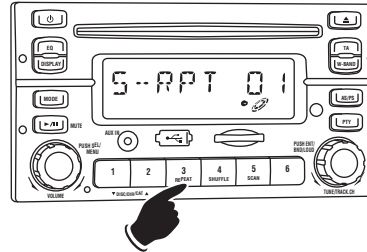
Press the  button to eject a disc.



## CD Operation (Continued)

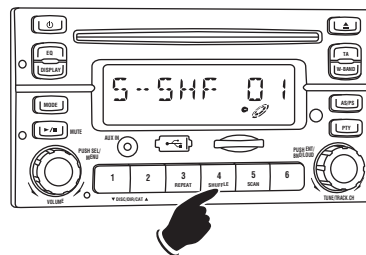
### Repeating a CD Track:

Select the desired track to be repeated. Then press the **REPEAT** button once and “S-RPT” will appear in the display. This track will play repeatedly. To cancel this function, press the **REPEAT** button again and “S-RPT” will disappear from the display. The entire CD will now play continuously.



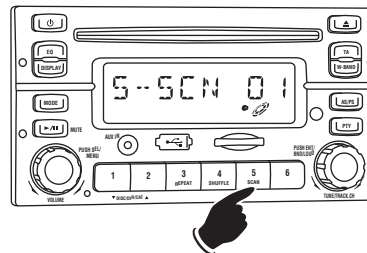
### Random CD Track Play Order:

Press the **SHUFFLE** button until “S-SHF” appears in the display. The tracks on the disc will play in a random order. To cancel this function, press the **SHUFFLE** button until “S-SHF” disappears from the display.




### Preview CD Tracks:

Press the **SCAN** button until “S-SCN” appears in the display. Each track on the disc will play for 10 seconds. To cancel this function, press the **SCAN** button until “S-SCN” disappears from the display.

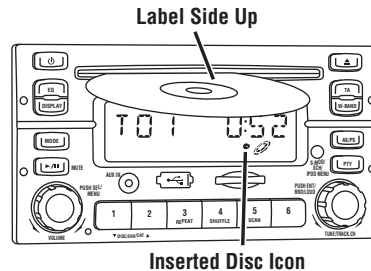


## MP3 Operation

### General Operations:

1. Press the  button to turn the unit On.
2. Gently insert the disc into the slot with the label side up. The unit will automatically load the disc.

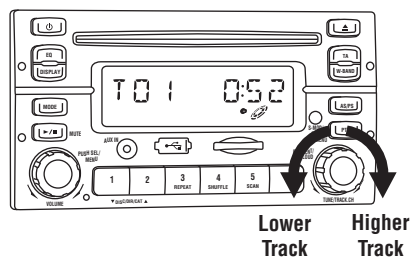
**Note:** If a disc does not auto-load **DO NOT FORCE** it into the slot, as you may already have a disc loaded indicated by the inserted disc icon.



### MP3 Track Selection:

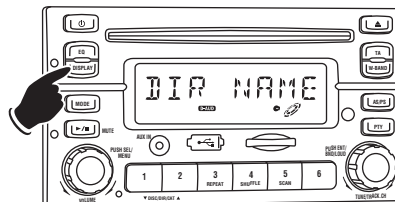
Rotate the **TUNE** knob counterclockwise to select a lower track.

Rotate the **TUNE** knob clockwise to select a higher track.



### Display Selection:

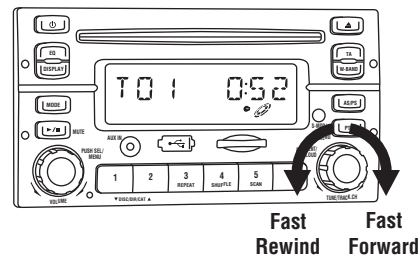
Press the **DISPLAY** button to display the following MP3 information: Clock Time → DIR NAME → TITLE → ARTIST → ALBUM.




### Fast Forward/Fast Rewind:

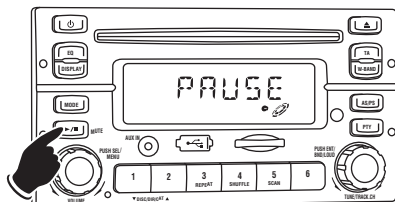
Rotate and hold the **TUNE** knob clockwise to fast forward the music.

Rotate and hold the **TUNE** knob counterclockwise to fast rewind the music.



### Pausing a MP3 Disc:

Press the  button to pause the disc. Press it again to resume play.

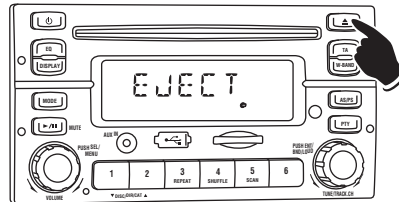




## MP3 Operation (Continued)

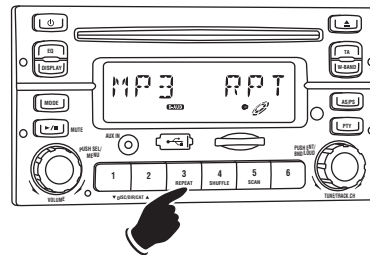
### Ejecting a MP3 Disc:

Press the **EJECT** button to eject a disc.



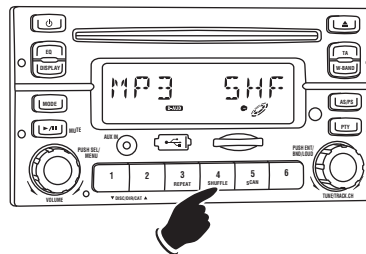
### Repeating a MP3 Track:

Select the desired track to be repeated. Then press the **REPEAT** button once and "MP3 RPT" will appear in the display. This track will play repeatedly. To cancel this function, press the **REPEAT** button again and "MP3 RPT" will disappear from the display. The entire disc will now play continuously.



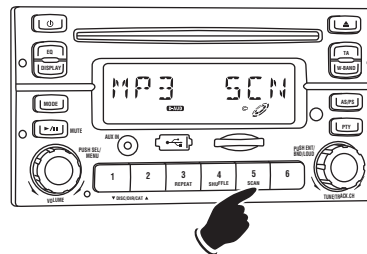
### Random MP3 Track Play Order:

Press the **SHUFFLE** button until "MP3 SHF" appears in the display. The tracks on the disc will play in a random order. To cancel this function, press the **SHUFFLE** button until "MP3 SHF" disappears from the display.



### Preview MP3 Tracks:

Press the **SCAN** button until "MP3 SCN" appears in the display. Each track on the disc will play for 10 seconds. To cancel this function, press the **SCAN** button until "MP3 SCN" disappears from the display.




## CD Changer Operation (Option)

### Load CDs into Changer:

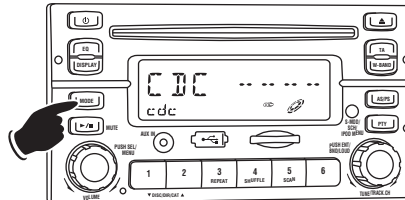
Insert the loaded CD magazine into the external CD changer.

### Power On/Off:

Press the  button to turn the unit On.

### Selecting the Play Source:

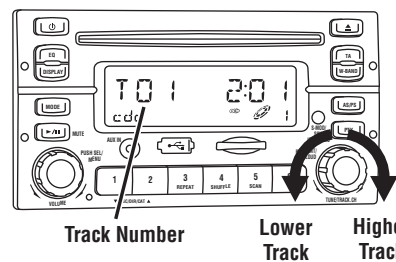
Press the **MODE** button until "CDC" appears in the display.



### CD Track Selection:

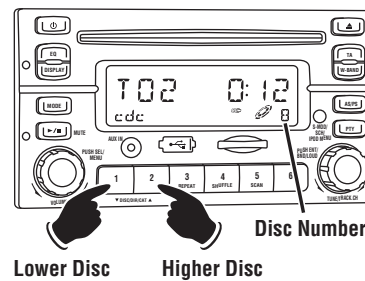
Rotate the **TUNE** knob counterclockwise to select a lower track.

Rotate the **TUNE** knob clockwise to select a higher track.




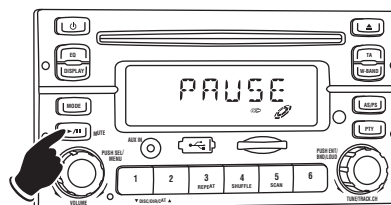
### CD Disc Selection:

Press the **1** button to select a lower disc in the CD changer. Press the **2** button to select a higher disc in the CD changer. The disc number will appear in the display.



### Pausing a CD:

Press the  button to pause the disc. Press it again to resume play.

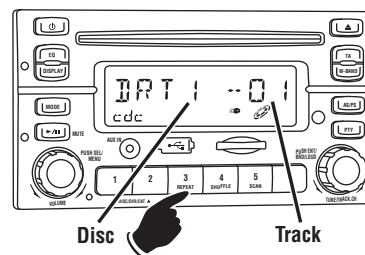


### Repeating a CD Track or Disc:

Select the desired track to be repeated. Then press the **REPEAT** button and "RPT1 --01" will appear in the display. This track will play repeatedly.

Press and hold the **REPEAT** button and "DRT1 --1" will appear in the display. The disc will play repeatedly.

To cancel either function, press the **REPEAT** button again.



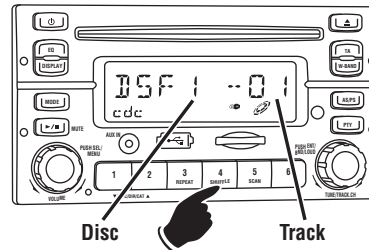
## CD Changer Operation (Option)

### Random CD Track or Disc Play Order:

Press the **SHUFFLE** button and “SHF1 --01” will appear in the display. The tracks on this disc will play in random order.

Press and hold the **SHUFFLE** button and “DSF1 --1” will appear in the display. The tracks on all the discs will play in random order.

To cancel either function, press the **SHUFFLE** button again.

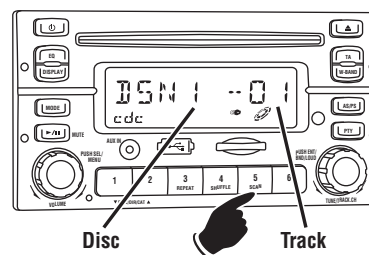


### Preview CD Tracks or Disc:

Press the **SCAN** button and “SCN1 --01” will appear in the display. Each track on the current disc will play for 10 seconds.

Press and hold the **SCAN** button and “DSN1 --1” will appear in the display. The first track on every disc will play for 10 seconds.

To cancel either function, press the **SCAN** button again.

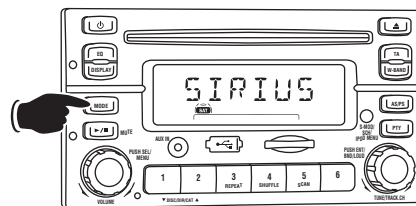


## Sirius Satellite Radio Setup (Option)

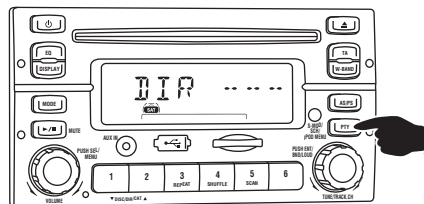
**Note:** If your Sirius tuner is not activated, call 1-888-539-7474 to activate. The Sirius Tuner ID Number (ESN) is required during the activation process. Follow the steps below to access the Sirius Tuner ID Number (ESN):

### Accessing Your Sirius Tuner ID Number (ESN):

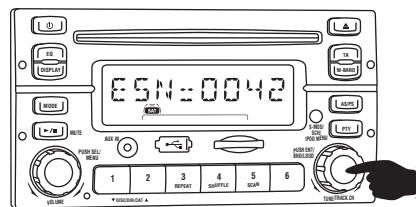
1. Press the **MODE** button until “SIRIUS” appears in the display area.



2. Press the **PTY** button until “DIR - - -” appears in the display area.



3. Press the **TUNE** knob until “ESN = 00..” appears in the display area. The ESN number will scroll across the display.



4. Press the **TUNE** knob again to exit.

## Sirius Satellite Radio Operation (Option)

Please note that satellite radio signal may be blocked by trees, buildings, tunnels or other obstacles.

### Information display during reception:

**ANTENNA ERROR:** When an antenna issue exists.

**ACQUIRING SIGNAL:** When a channel is being tuned-in (no signal is yet received).

**INVALID CHANNEL:** A channel without a broadcast has been selected, or the receiver may not be activated.

**CALL 888-539-SIRIUS TO SUBSCRIBE:** A channel not covered by your contract. Call Sirius Service Center 1-888-539-7474, or visit them online at [www.siriusradio.com](http://www.siriusradio.com).

### Channel Selection Modes:

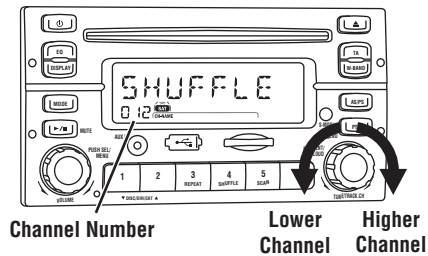
Channels are selected by the following methods:

- Manual Tuning: (Use the Manual Tuning method to scan through the channels)
- Direct Tuning: (Use the Direct Tuning methods when you know the desired channel)
- Category Tuning: (Use the Category Tuning method when you know what category you want to scan for a channel)

For details, see the following operation descriptions:

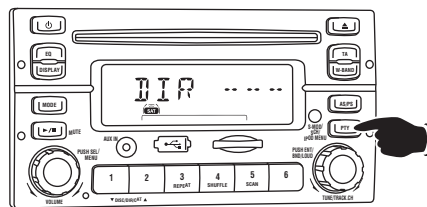
### Manual Tuning:

Rotate the **TUNE** knob until the desired channel appears in the display.

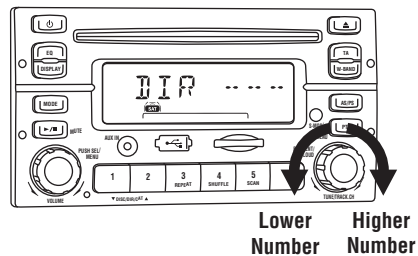


### Direct Tuning:

1. Press the **PTY** button until "DIR - - -" appears in the display.

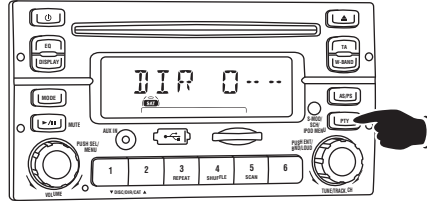


2. Rotate the **TUNE** knob to select the first number of the desired channel.

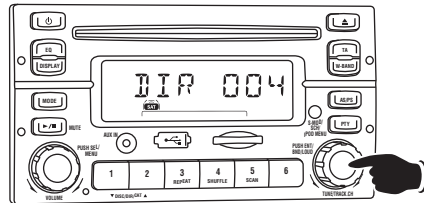


## Sirius Satellite Radio Operation (Option) (Continued)

3. Press the **PTY** button to select the next number of the channel. Rotate the **TUNE** knob to select the desired number. Repeat this procedure for the third number.

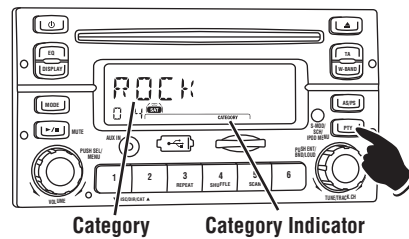


4. Press the **TUNE** knob and the channel will start playing.

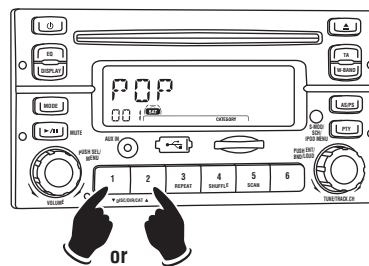


### Category Tuning:

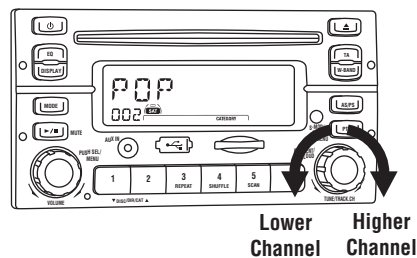
1. Press the **PTY** button until "CATEGORY" flashes in the display.



2. Press the **1** or **2** button to search thru the categories.

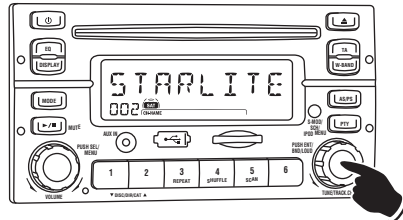


3. Once the desired category is selected rotate the **TUNE** knob to search for a channel in the selected category.  
**Note:** When "CATEGORY" stops flashing in the display the unit has exited category tuning.



## Sirius Satellite Radio Operation (Option) (Continued)

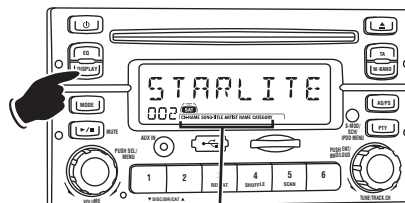
4. Press the **TUNE** knob and the channel will start playing.



### Switching the Display:

Press the **DISPLAY** button to cycle through the following display modes.

CH-NAME → SONG TITLE → ARTIST NAME → CATEGORY → CLOCK → CH-NAME...

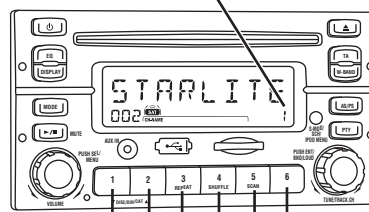


Display Modes

### Memorizing a Preset Sirius Channel:

1. Press the **TUNE** knob to select either the SR 1, SR 2 or SR 3 Sirius band. Each band can memorize 6 channels for a total of 18 channels.
2. Tune-in the desired Sirius channel.
3. To memorize the channel press and hold any one of the six **Sirius Channel Recall** buttons until you hear a beep.

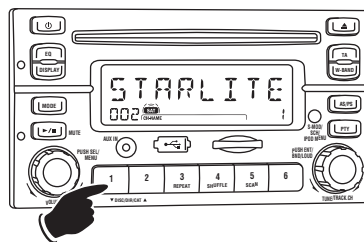
### Memorized Radio Station Indicator



Radio Station Recall Buttons

### Recalling a Memorized Sirius Channel:

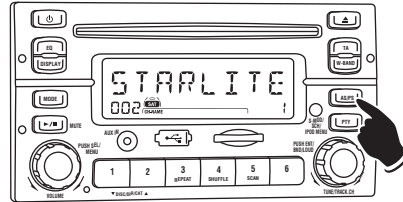
1. Press the **TUNE** knob to select either the SR 1, SR 2 or SR 3 band.
2. Press and release the **Sirius Channel Recall** button **1**, **2**, **3**, **4**, **5**, or **6** to select the memorized channel.



## Sirius Satellite Radio Operation (Option) (Continued)

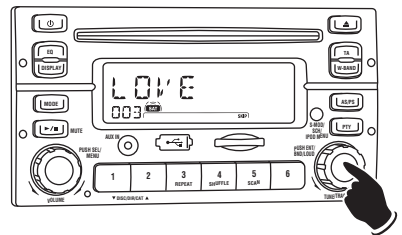
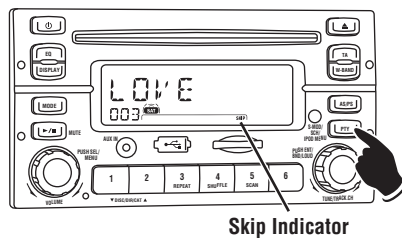
### Scanning Stored Sirius Channels:

Press the **AS/PS** button and the tuner will scan the preset channels beginning with SR 1, then pause for 5 seconds at each channel. When a desired channel is reached, press the **AS/PS** button again to stop scanning. The tuner will scan SR 1 first, then SR 2 and finally SR 3. Scanning will continue until the **AS/PS** button is pressed.



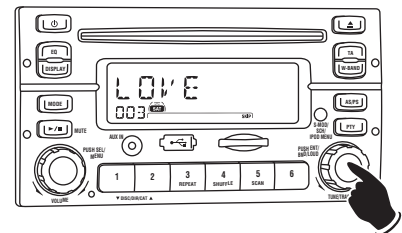
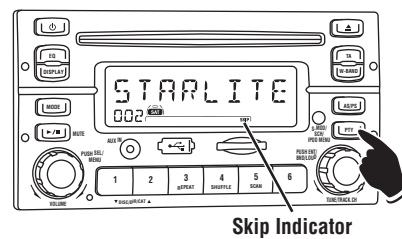
**Skipping a Sirius Channel:** You can program the radio to skip certain undesired Sirius channels.

1. Tune to the channel to be skipped (see above for more details).
2. Press the **PTY** button until "SKIP" appears in the display.
3. Press the **TUNE** knob until "SKIP" flashes in the display.
4. Rotate the **TUNE** knob and wait 10 seconds then "SKIP" disappears from the display. The channel will now be skipped.




### Reinstating a Skipped Sirius Channel:

1. Tune to a channel that is adjacent a Skipped Channel. (Example: If channel 003 is a "Skipped Channel", tune to channel 002).
2. Press the **PTY** button until "SKIP" appears in the display.
3. Tune-in the skipped channel. (Example: Rotate the **TUNE** knob so "003" appears in the display).  
**Note:** "SKIP" will be flashing in the display for all skipped channels.
4. Press the **TUNE** knob until "SKIP" stops flashing.
5. Wait 10 seconds and "SKIP" will disappear from the display – the channel has now been reinstated.

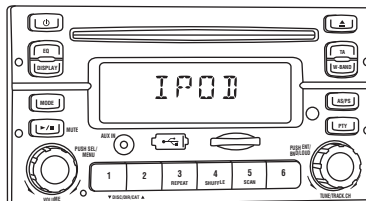


## IPOD Operation

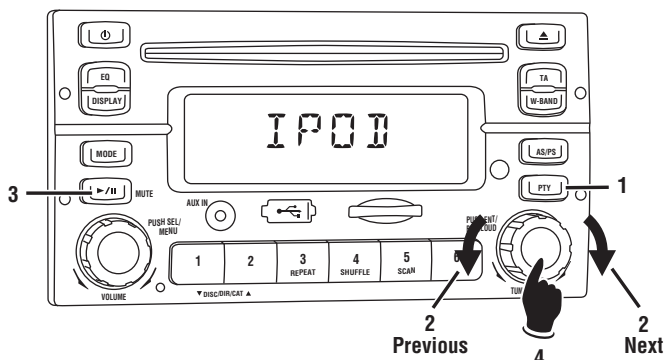
### General Operations:



1. Press the  button to turn the unit On.
2. Connect an IPOD to the cable attached to the M1-CD.
3. The unit will automatically switch to the IPOD mode and start playing.

**Note:** The IPOD controls will become inoperable and the M1-CD will now control the IPOD.



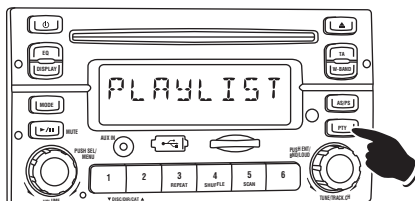
### IPOD Button Location and Functions:



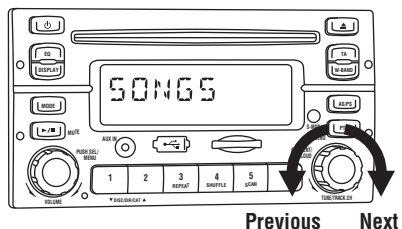
1. **PTY Button:** Same operation as the MENU button on an IPOD.
2. **Next and Previous Button:** Rotate the **TUNE** knob to scroll through the menu items, same operation as the IPOD's Click Wheel.
3. **Play/Pause Button ** : Same operation as the  button on an IPOD.
4. **Tune Knob:** Push the **TUNE** knob for same operation as the Center Select button on an IPOD.

### Browse for a Song:

1. Press the **PTY** button and either **PLAYLIST**, **ARTIST**, **ALBUM**, **GENRE**, **SONGS** or **COMPOSER** will appear in the display.



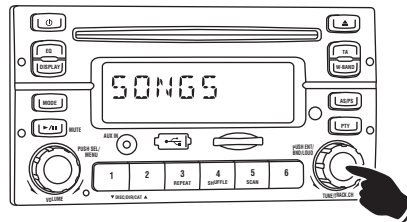
2. Rotate the **TUNE** knob to select the **SONGS** menu.



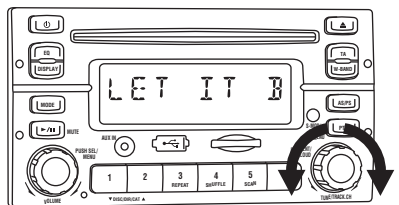


## IPOD Operation (Continued)

3. Press the **TUNE** knob to select the SONGS menu.

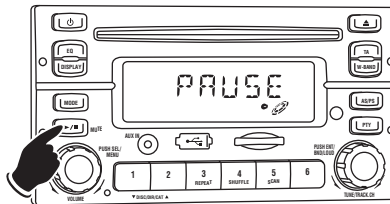


4. Rotate the **TUNE** knob to select the desired song from the menu. The selected song will automatically start playing.



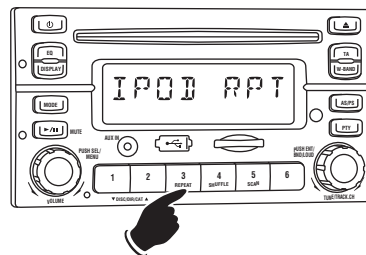
### Pausing a Track:

Press the **▶/||** button to pause the track. Press it again to resume play.



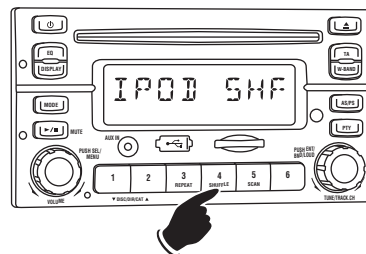
### Repeating a Track:

Select the desired track to be repeated. Then press the **REPEAT** button once and "IPOD RPT" will appear in the display. To cancel this function, press the **REPEAT** button again and "IPOD RPT" will disappear from the display.



### Random Track Play Order:

Press the **SHUFFLE** button and "IPOD SHF" will appear in the display. The tracks on the IPOD will play in a random order. To cancel this function, press the **SHUFFLE** button again and "IPOD SHF" will disappear from the display.



## IPOD Operation (Continued)

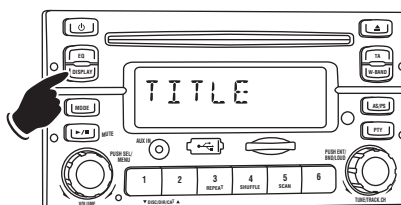
### Preview Tracks:

Press the **SCAN** button until "IPOD SCN" appears in the display. Each track on the IPOD will play for 10 seconds. To cancel this function, press the **SCAN** button again and "IPOD SCN" will disappear from the display.



### Display Selection:

Press the **DISPLAY** button to display the following track information: Elapse Time, Title, Artist, Album and Track.

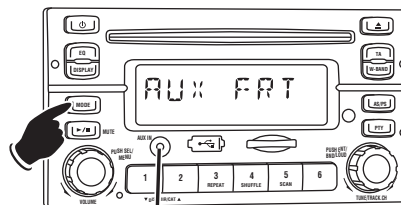


## Auxiliary Audio Input (Front) Operation

### Selecting Front Auxiliary Audio Play Source:

1. Press the **⏻** button to turn the unit On.
2. Press the **MODE** button until "AUX FRT" (front input) appears in the display.
3. Refer to the audio device's owners manual for proper operation.

**Note:** The M1-CD will not control the auxiliary source, but can adjust the sound controls.



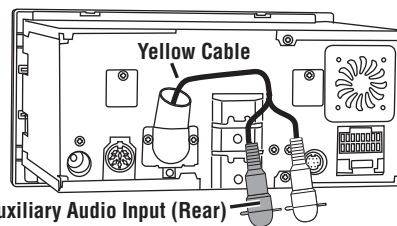
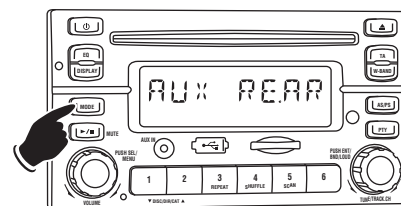
Auxiliary Audio Input (Front)

## Auxiliary Audio Input (Rear) Operation

### Selecting Rear Auxiliary Audio Play Source:

1. Press the **⏻** button to turn the unit On.
2. Press the **MODE** button until "AUX REAR" (rear input) appears in the display.
3. Refer to the audio device's owners manual for proper operation.


**Note:** The M1-CD will not control the auxiliary source, but can adjust the sound controls.



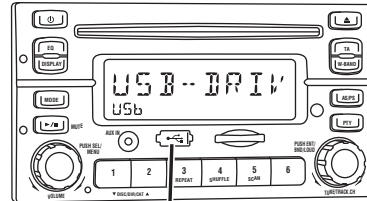
Auxiliary Audio Input (Rear)

## USB Operation

### General Operations:

1. Press the  button to turn the unit On.
2. Connect a MP3 player to the USB socket on the front panel.
3. The unit will automatically switch to the USB mode and start playing.

**Note:** The controls on the MP3 player will become inoperable, and the M1-CD will now control the MP3 player.

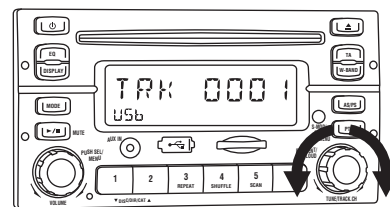


USB Socket

### Track Selection:

Rotate the **TUNE** knob counterclockwise to select a lower track.

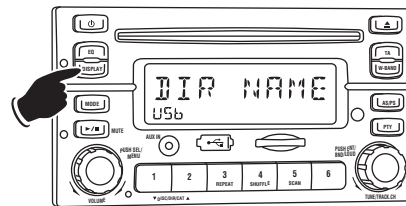
Rotate the **TUNE** knob clockwise to select a higher track.




Previous Next

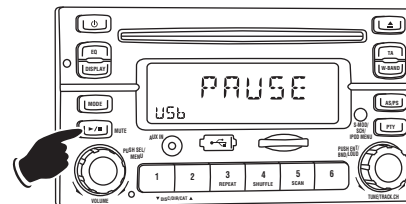
### Display Selection:

Press the **DISPLAY** button to display the following MP3 disc information: Clock Time → DIR NAME → TITLE → ARTIST → ALBUM.



### Pausing a Track:

Press the  button to pause the disc. Press it again to resume play.



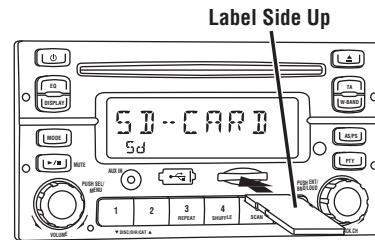
### Repeating a Track / Random Track Play Order / Preview Tracks:

(See MP3 Operation for details).

## SD Card Operation

### General Operations:

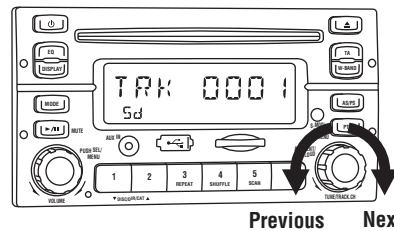
1. Press the **⏻** button to turn the unit On.
2. Insert the SD Card label side up into the SD card slot on the front panel.
3. The unit will automatically switch to the SD CARD mode and start playing.



### Track Selection:

Rotate the **TUNE** knob counterclockwise to select a lower track.

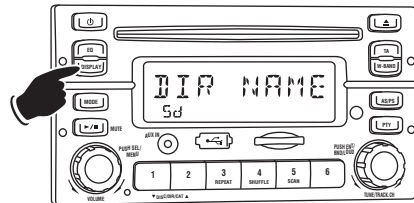
Rotate the **TUNE** knob clockwise to select a higher track.



### Display Selection:

Press the **DISPLAY** button to display the following SD card information: Clock Time → DIR NAME → TITLE → ARTIST → ALBUM.

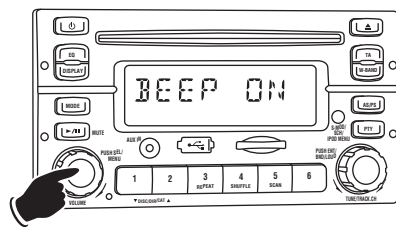
**Pausing a Track / Repeating a Track / Random Track Play Order / Preview Tracks:**  
(See MP3 Operation for details)



## Setup Features

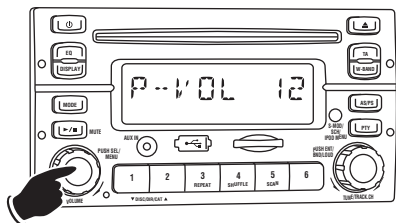
### Button Beep On and Off Confirmation:

1. Press and hold the **VOLUME** knob approximately 5 seconds until "BEEP ON" appears in the display.
2. Rotate the **VOLUME** knob counterclockwise for beep confirmation Off, or rotate clockwise for beep confirmation On.
3. Wait 5 seconds, and the unit will return to last display mode.



### Primary Volume:

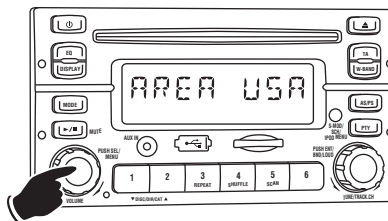
1. Press and hold the **VOLUME** knob approximately 5 seconds until "BEEP ON" appears in the display. Press the **VOLUME** knob again until "P-VOL 12" appears in the display.
2. Rotate the **VOLUME** knob to adjust the primary volume.
3. Wait 5 seconds, and the unit will return to last display mode.



## Setup Features (Continued)

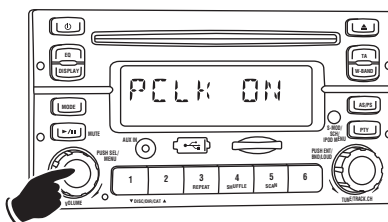
### Area Radio Frequency Adjustment:

1. Press and hold the **VOLUME** knob approximately 5 seconds until "BEEP ON" appears in the display. Press the **VOLUME** knob two more times until "AREA USA" in the display.
  2. Rotate the **VOLUME** knob to adjust the area.  
**Note:** If operating the unit in the USA do not change the area.
  3. Wait 5 seconds, and the unit will return to last display mode.
- Note:** In EUR or OCE configuration the region (REG) can be turned On and Off.



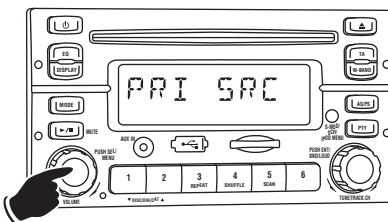
### Clock Displayed When Unit is Turned Off:

1. Press and hold the **VOLUME** knob approximately 5 seconds until "BEEP ON" appears in the display. Press the **VOLUME** knob three more times until "PCLK ON" in the display.
2. Rotate the **VOLUME** knob counterclockwise for clock Off and clockwise for clock On.
3. Wait 5 seconds, and the unit will return to last display mode.



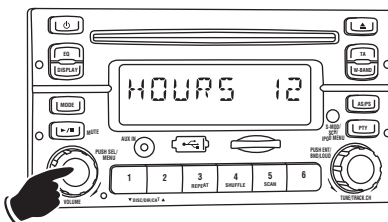
### Display Priority:

1. Press and hold the **VOLUME** knob approximately 5 seconds until "BEEP ON" appears in the display. Press the **VOLUME** knob repeatedly until "PRI SRC" appears in the display.
2. Rotate the **VOLUME** knob to adjust the display priority: Clock priority (PRI CLK), No priority (PRI NO) or Source priority (PRI SRC)
3. Wait 5 seconds, and the unit will return to last display mode.



### 12 or 24 Hour Clock Display:

1. Press and hold the **VOLUME** knob approximately 5 seconds until "BEEP ON" appears in the display. Press the **VOLUME** knob repeatedly until "HOURS 12" appears in the display.
2. Rotate the **VOLUME** knob to adjust the clock display priority: "HOURS 12" or "HOURS 24".
3. Wait 5 seconds, and the unit will return to last display mode.

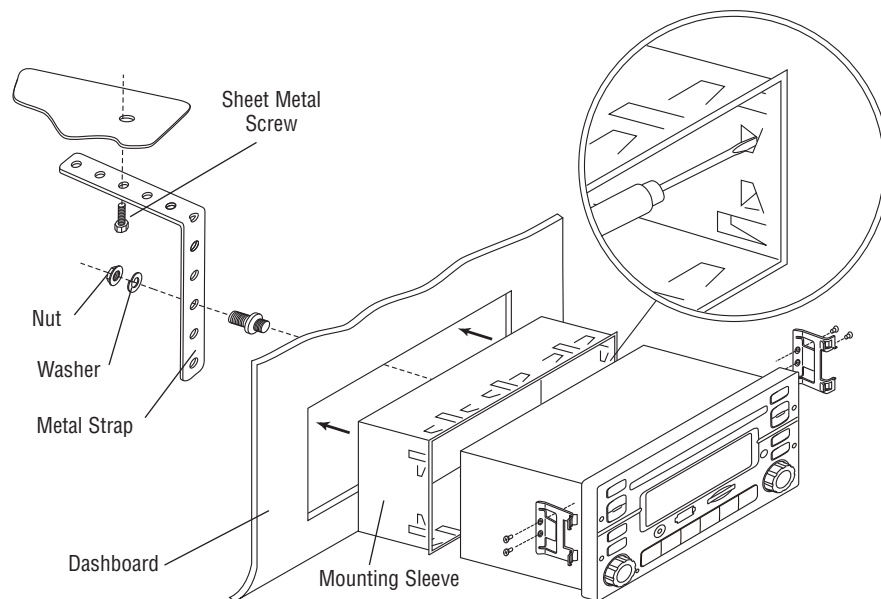


## Installation

**Step 1:** The radio chassis is designed to be "Sleeve Mounted" through a opening in the dashboard panel. The required opening size is 182mm (7-3/16") x 84mm (3-5/16"). Cut or engage an opening in the dashboard to accommodate the mounting sleeve.

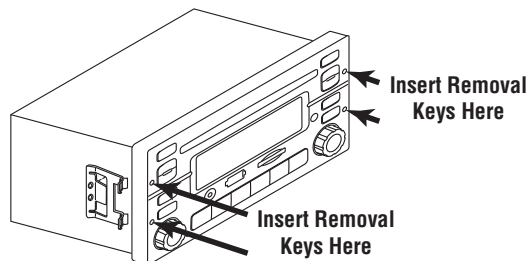
**Step 2:** Insert the mounting sleeve into the opening in the dashboard. Bend the metal tabs on the sleeve to secure the mounting sleeve to the dashboard.

**Step 3:** Bring all wiring for the connection of the unit (including the antenna) through the center of the mounting sleeve.

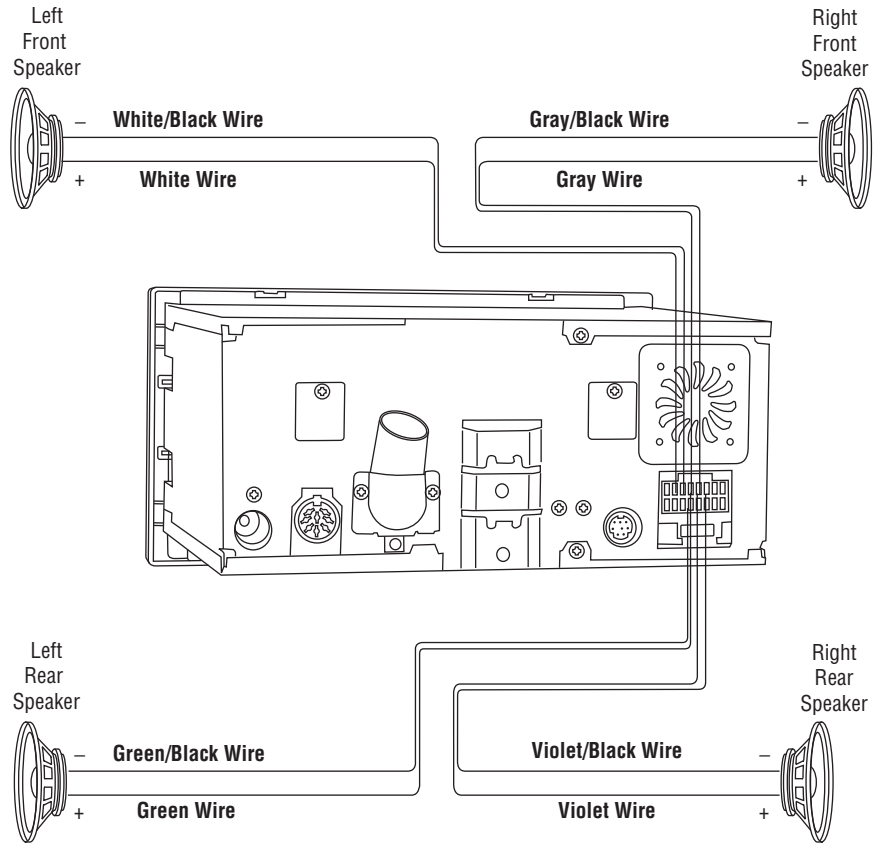


### Removing the Unit:

To remove the radio after installation, insert the removal keys straight back until they click. Then pull the radio out. **Note:** If the removal keys are inserted at an angle they will not release the radio.



## Speaker Connections



**WARNING!** Any wires left unconnected must be taped-off or capped-off to prevent shorting.

**DO NOT** connect speaker ground wires together.

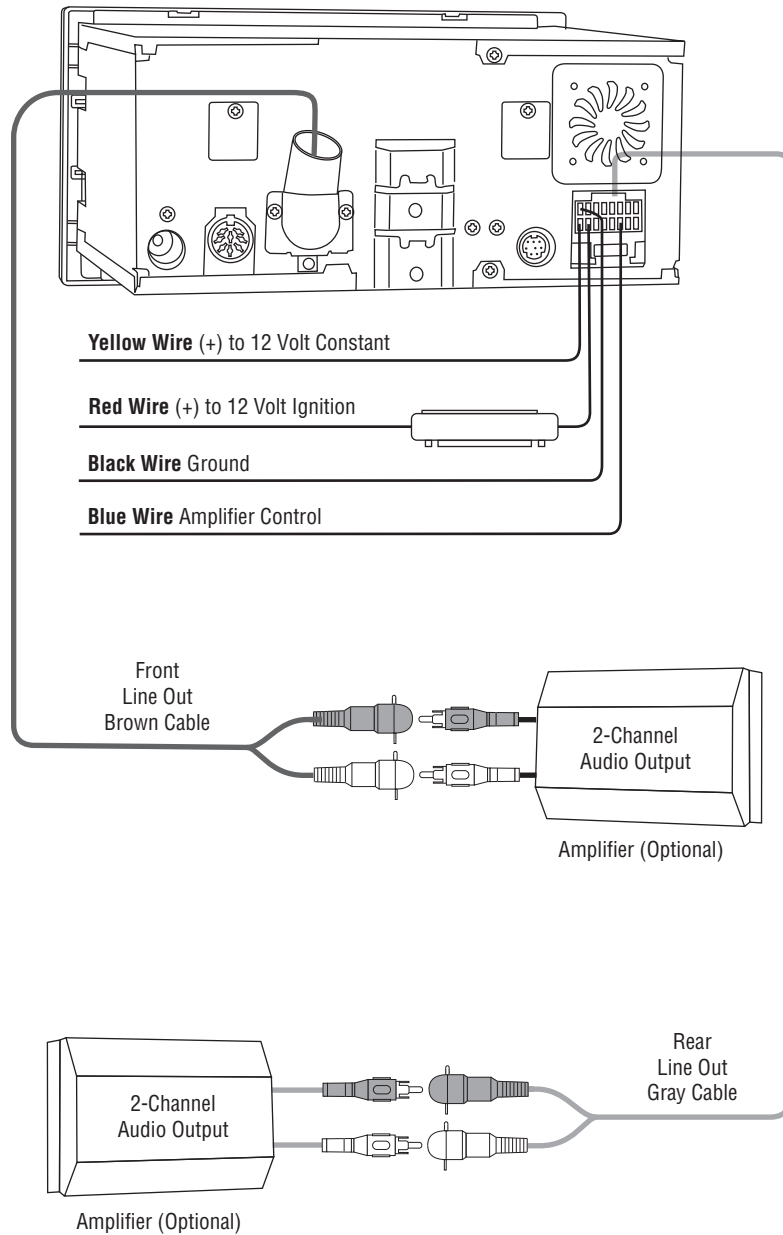
**DO NOT** connect speaker ground wires to the chassis of the vehicle.

**DO NOT** connect front and rear speaker wires together.

FAILURE TO FOLLOW ANY OF THESE WARNINGS WILL RESULT IN DAMAGE TO THIS UNIT AND VOIDS THE WARRANTY.

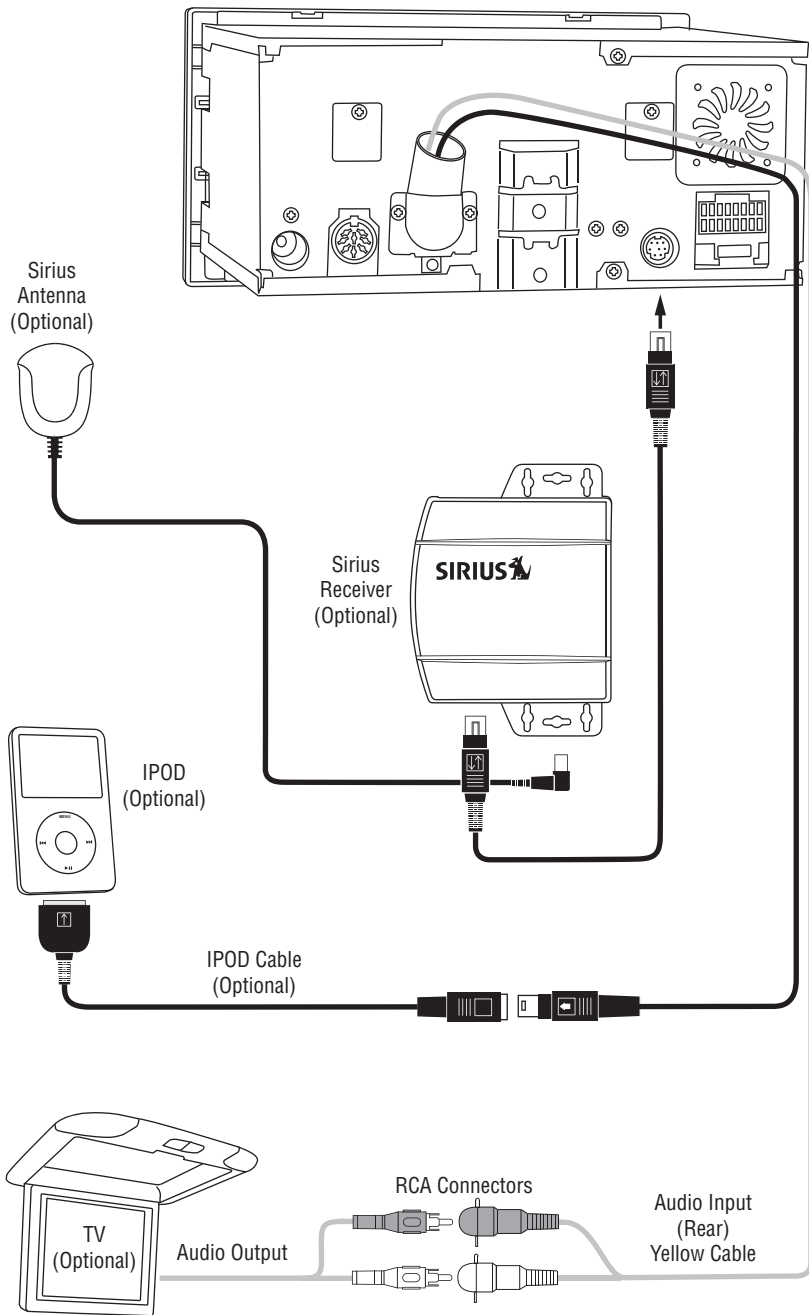
## Auxiliary Connections

This unit for use only with a 12 Volt DC power source with a negative ground.

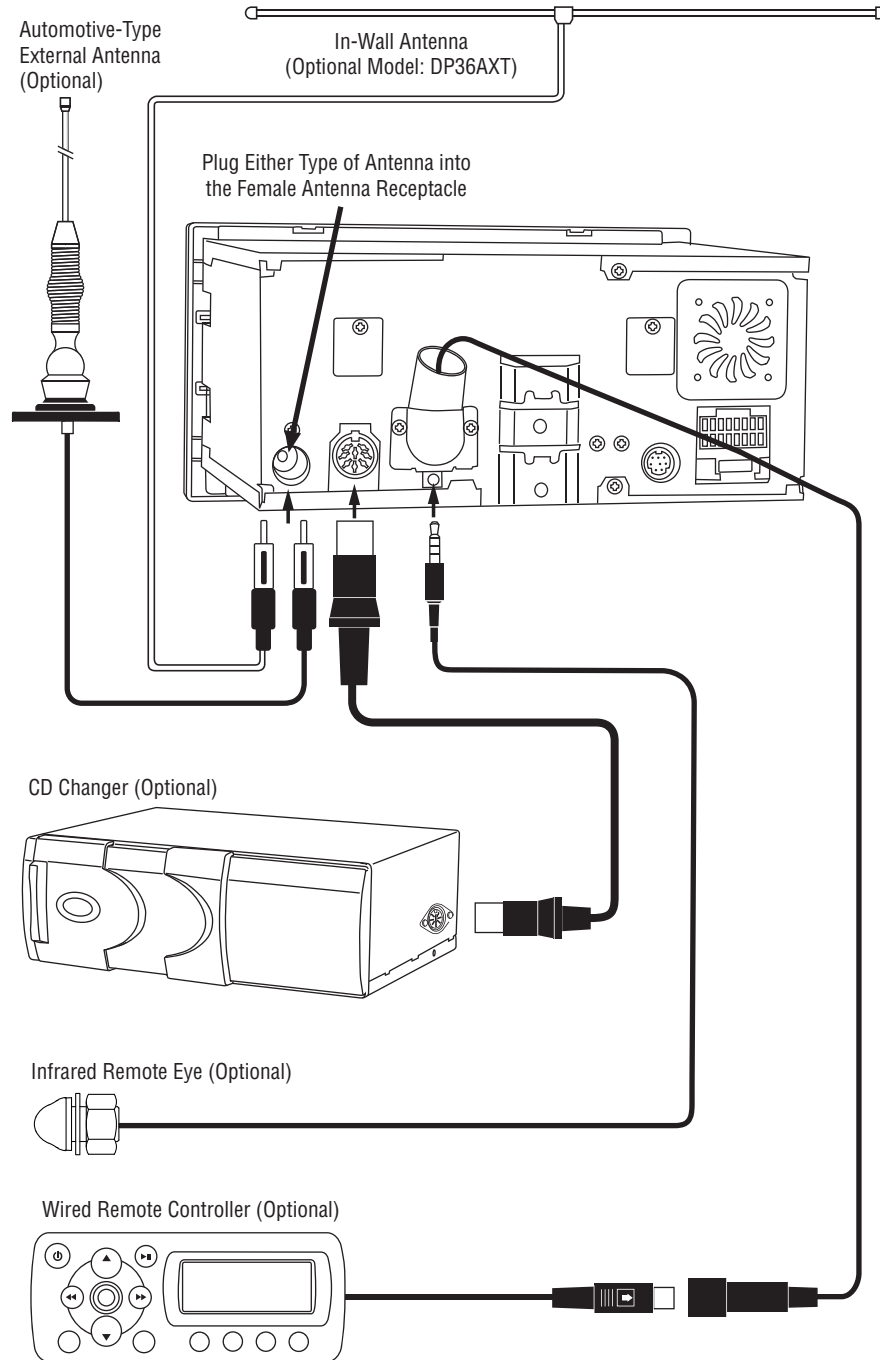




## Input Connections



## Input Connections

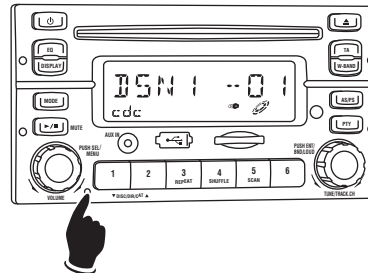


## Reset Button

The LCD display may fail to function normally due to the vehicle's battery condition, and could require resetting the radio microprocessor if:

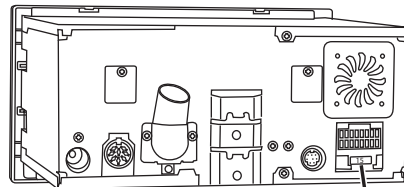
- The vehicle has been "jump started" from a dead battery condition.
- The vehicle battery becomes very low and is quick-charged.
- The vehicle battery is removed and replaced.

Should any of these conditions occur, simply press and release the **RESET** button on the radio front panel using the tip of a ball point pen. This will reset the radio microprocessor to the original factory settings. After pressing the **RESET** button, you should recheck to see if the radio functions normally.



## Replaceable Fuse

If the fuse should blow, check that the wiring is correct. If the wiring is correct, replace the fuse with the same amperage rating as the original (15 amp).



15 Amp Fuse

## Warranty

### ONE (1) YEAR LIMITED WARRANTY

Magnadyne Corporation or its authorized agents will within one year from the date of sale to you, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agent's obligations hereunder do not apply where the product was; damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operations, or serviced by anyone other than Magnadyne Corporation or its authorized agents, or where the warning seal on the product is broken or the power and/or plugs are detached from the unit. Magnadyne Corporation or any of its authorized agents will not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such cost are the sole responsibility of the purchaser.

This warranty does not cover the cabinet appearance items or accessories used in connection with this product, or any damage to recording or recording tape, or any damage to the products resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

MAGNADYNE CORPORATION OR ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE TO ANYONE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR CLAIMS EXCEPT THOSE ACCORDED BY LAW. NO EXPRESSED WARRANTY OR IMPLIED WARRANTY IS GIVEN EXCEPT THOSE SET FORTH HEREIN. NO IMPLIED WARRANTY SHALL EXTEND BEYOND ONE YEAR FROM THE DATE OF SALE.

This warranty extends only to the original purchaser of the product and is not transferable. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

**“NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment.”**

Defective merchandise should be returned to the original point of purchase or secondly, to Magnadyne Corporation, 1111 W. Victoria Street, Compton CA 90220.

Return Authorization must be obtained before sending, or merchandise may be refused.

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