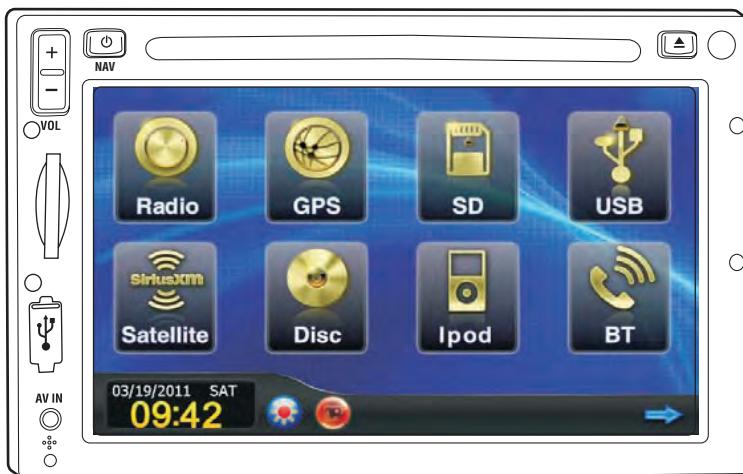


Operation and Installation Manual



Models: M3-LCD and M4-LCD
AM / FM / WB Stereo Receiver with Disc Player
and Touch Screen Controls

Introduction

Please carefully 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 and Disc Player with Touch Screen Controls.

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

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Warnings

- **The driver should neither watch the display nor operate the system while driving.**

Watching the display or operating the system will distract the driver from looking ahead of the vehicle and can cause accidents. **Always stop the vehicle in a safe location and use the parking brake before watching the display or operating the system.** In some states and countries, passengers are also prohibited from watching the display.

- Never install the product in a location where it interferes with your field of vision.

- This unit has a cooling fan to decrease the internal temperature. Do not mount the unit in a place where the cooling fan on the unit is blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in damage to the unit.

- Use the proper power supply. This product is designed for operation with a negative grounded 12V DC battery system. Never operate this product with other battery systems, especially a 24V DC battery system. If the product is used with the improper system it may cause a fire or an accident.

- This product must be installed and used in accordance with this manual. Any alterations to this product that enables it to be used in any way other than intended or designed could distract the driver and result in an accident causing injury or death. Magnadyne Corporation disclaims any and all liability that may result from failure to install and operate in any other manner in which this unit was intended.

- Do not disassemble, modify the unit or attempt to repair the product yourself. If the product needs to be repaired, consult your dealer.

- Do not install the unit in a place exposed to direct sunlight or excessive heat or humidity. Avoid places with too much dust or the possibility of water splashing.

- **Backing Up Your Vehicle**

Do not backup your vehicle while looking at the monitor. Always look in the direction of your vehicle's motion. Use the monitor only as an aid in safety confirmation.

The actual distance may be different than it appears in the monitor. The range of the image in the monitor is limited. Always be aware that blind spots may exist and not appear at all times on your monitor.

The product is intended to assist in safe driving and allows the driver to have a broader field of vision during backup. You, as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers and pedestrians, and abiding all state and local traffic regulations. Do not use any features of this system to the extent it distracts you from safe driving. Your first priority while driving should always be the safe operation of your vehicle. Magnadyne will not accept any responsibility whatsoever for accidents and/or injuries resulting from failure to observe these precautions or safety instructions.

Caution

- FCC REGULATIONS STATE THAT ANY UNAUTHORIZED CHANGES OR MODIFICATIONS TO THIS EQUIPMENT MAY VOID THE USER'S AUTHORITY TO OPERATE IT.

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

- THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

Liquid Crystal Panel

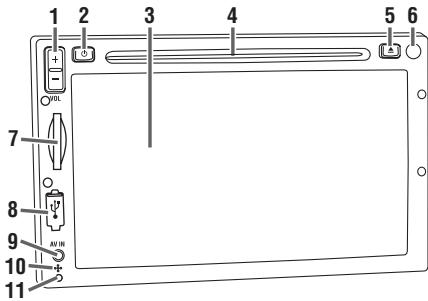
- Any harsh impacts may damage the liquid crystal panel.

- Usage temperature range: 32°F to 104°F. When the temperature is very cold or very hot, the image may not appear clearly or may move slowly. Also, movement of the image may seem to be out of synchronization or the image quality may decline in such environments. Note that this is not a malfunction or problem.

- Sudden changes in the temperature inside the vehicle such as those which occur immediately after the vehicle's air conditioner or heater has been turned on may cause the inside of the liquid crystal panel to cloud over due to water vapor or it may cause condensation (droplets of water) to form and, as a result, the panel may not work properly. Do not use the unit while these symptoms are evident. Instead, leave the unit standing for about an hour, and then resume or start use.

- If the screen of this unit is dirty, wipe the dirt off with a cloth moistened with a mild cleaner. **Note:** Applying spray cleaner directly to the unit may affect its mechanical parts or cause an electrical shock. Wiping the screen with an abrasive cloth or using a volatile liquid such as thinner or alcohol may scratch or damage the surface of the screen.

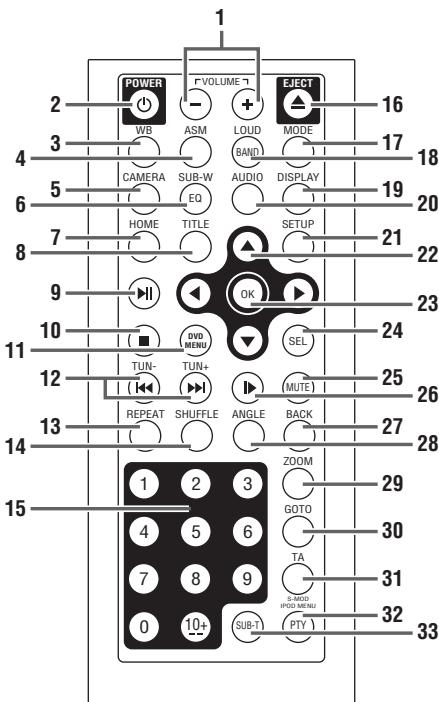
Button Locations and Functions



- 1. Volume Button:** Push (+) to increase or (-) to decrease the volume level.
- 2. Power/Navigation Button (⊕):** Press to turn the unit on. Press and hold for 3 seconds to turn the unit Off. Press and release to switch to Navigation mode, press and release again to return to last source.
Note: Navigation only available on M4-LCD.
- 3. LCD Display:** Touch to interact with the display screen.
- 4. Disc Slot:** To play a disc, insert a disc into the slot with the label facing up.

- 5. Eject Button:** Press to eject a disc.
- 6. Infrared Eye:** Receives the signals from the remote control.
- 7. 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. We suggest you back up your data.
- 8. USB Input:** Plug in your USB device. "USB" will appear in the display.
Note: This unit may not function with all MP3 players. The unit will control the USB audio device. (See "MP3 Operation" for more details).
- 9. Audio/Video Input Jack:** Plug in a device with a 3.5mm audio/input plug. The M4-LCD/M3-LCD will not control the device, it just allows the audio/video to be played through the system.
- 10. Microphone**
- 11. Restart Button:** Press the restart button if the unit freezes up or does not function correctly.

Remote Control Button Locations and Functions



- 1. Volume:** Decrease (-) or Increase (+) the volume level.
- 2. Power On/Off (⊕):** Turn the unit On or Off.
- 3. Weather Band (WB):** Press for direct access to the weather band radio.
- 4. Automatic Station Memory (ASM):** Press and hold for automatic station memory storing. Press and release for scanning memorizes stations.
- 5. Camera:** Press to change the source to camera mode.
- 6. Equalizer/Sub Woofer (EQ/SUB-W):** Choose between preset sound equalization settings. Press and hold to turn the sub woofer On and Off.
- 7. Home:** Return unit back to the Homepage menu.
- 8. Title:** Displays the title menu that is stored on the movie disc.
- 9. Play/Pause (▶||):** Starts and pauses disc play.
- 10. Stop (■):** Stops disc play.

Remote Control Button Locations and Functions (Continued)

11. **DVD Menu:** Displays the movie menu.
12. **Tune/Track/Chapter (I◀◀, ▶▶I):**
Radio: Press and the tuner will scan to the next strong station and stop. Press and hold until "MANUAL" appears in the display then release. Then press again until the desired radio station is tuned-in.
Music Disc: Press to change to a lower or higher track.
Movie Disc: Press to change to a lower or higher chapter.
13. **Repeat:** Repeats play of chapters, titles, tracks and discs.
14. **Shuffle:** Plays all the tracks on the music disc in random order.
15. **Numeric Keypad:** Inputs the corresponding number.
16. **Eject (▲):** Ejects the loaded disc.
17. **Mode:** Switches through the available sources.
18. **Band/Loud:**
Radio: Selects AM1, AM2, FM1, FM2 and FM3 radio bands.
Loudness: Press and hold button until "LOUD ON" appears in the display to boost high and low tones at low volume levels. To deactivate, press and hold again until "LOUD OFF" appears in the display.
19. **Display:** Displays source information.
20. **Audio:** Changes the language on multi-language movie discs.
21. **Setup:** Access the Movie Disc Setup Menu, a movie disc has to be inserted.
22. **Cursor: (▲, ▶, ▼, ◁):** Moves feature selection up, down, left or right.
23. **OK:** Confirms the selected item.
24. **Select (SEL):** Accesses the Sound menu.
25. **Mute:** Mutes the volume.
26. **Slow Motion (▶):** Press to play the movie disc in slow motion.
27. **Back:** Selects previous screen.
28. **Angle:** Changes the view angle on multi-angle movie discs.
29. **Zoom:** Enlarges or reduces the size of movie picture.
30. **Goto:** Used in conjunction with the numeric keypad to skip to the desired chapter.
31. **Traffic Announcement (TA):** Activates the traffic announcement function. (See the Radio Operations section for more information).
32. **PTY:** Activates the PTY screen which scans FM radio stations according to program type.
33. **Subtitle (SUB-T):** Accesses movie disc's subtitle languages.

Basics Operation

Turning On/Off the Unit:

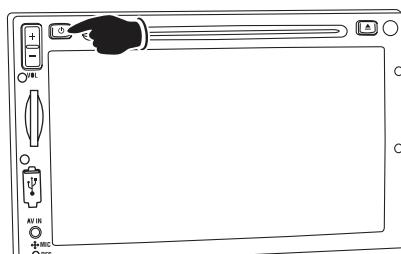
Turning On:

- If the unit was switched off by turning off the vehicle, when the vehicle is started the unit will automatically turn on.
- If the unit was switched off by pressing and holding the power button (⊕) for 3 seconds, when the vehicle is started you must press the power button (⊕) to turn the unit on.

Turning Off:

- Turning off the vehicle will automatically turn off the unit.
- Press the power button (⊕) for 3 seconds will turn the unit off.

Note (M4-LCD Only): Pressing and releasing the power button (⊕) switches the unit to the Navigation mode, press and release again to return to last source.



Basics Operation (continued)

Homepage Menu: Is the initial or main screen where different sources or settings can be selected.

Accessing the Homepage Menu:

- In most source modes (Radio, Disc, etc.), touch the screen in the upper right corner to reveal and/or select the **HOME** button. Selecting this button will switch the source screen to the Homepage. The Homepage menu consists of 2 screens. Press the  in the lower right hand corner of the screen to reveal the second Homepage screen.
- M4-LCD Only: In the Navigation (GPS) mode the Homepage can be accessed by pressing and releasing the power button (). Pressing the power button () again will switch the unit back to the Navigation (GPS) mode.

Note: Since the M3-LCD does not have the navigation feature the source mode icons on the screen will appear in different positions than illustrated.



Home Page



Source Screen

System Setup

System Setup provides special settings to fine-tune the user experience. Select the **Setup** icon on the second screen of the Homepage. The System Setup screen will appear. Select the icon corresponding to the setting you want to change. Use the adjustment buttons on the screen to make changes.



Language:

The default setting is English and can not be change. Press  to save and return to Homepage.



Setting the Clock (Time):

1. Press the **Time Zone** button first.
2. Use the  or  buttons to find your time zone.
3. Select and highlight your time zone.
4. Press **OK** when your time zone has been selected, the unit will return to the Homepage.
5. Select the **Setup** icon again to finish setting the clock.



System Setup (Continued)

Setting the Clock (Time) (Continued):

6. Press the **▲** or **▼** button to adjust the Year, Month, Day, Hour and Min (Minutes).
7. Select the correct **AM** or **PM** indicator.
8. The clock has **12** and military time **24** hour settings (12 hour is the default setting).
9. Press **OK** when finished making adjustment and to return to the Homepage.



Radio Setup:

Press either **◀** or **▶** button to select America 1, America 2, Japan, Russia or Europe radio area. Refer to the map on the screen for location of the settings. Press **HOME** to save and return to Homepage.



GPS Setup (M4-LCD Only):

The M4-LCD comes preloaded with the GPS software and is ready to use, no updating is necessary.

Loading the GPS software:

1. Remove the SD card from the rear card reader.
2. Send the GPS SD card to an authorized service center.
3. Replace the SD card into the rear card reader.
4. Enter the GPS setup menu from the Setup menu.
5. Select the desired iGO GPS .exe file from the iGO folder.
6. Click the **OK** button to load the file and to exit GPS path setup.

Note: The iGO folder in the SD card is the GPS program. Do not delete any files in it.



Brightness Adjustment:

Press either **⊖** or **⊕** button to adjust the screen's brightness. Press **HOME** to save the setting and return to the Homepage.



System Setup:

1. To access the system interface, type the password "5365" and click the **OK** button.



System Setup (Continued)

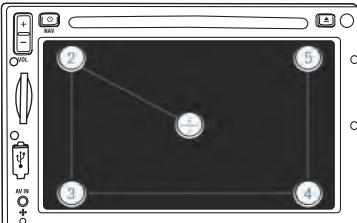
System Setup (Continued):

2. A. The **SYS** (system) buttons deactivate and activate system features.
- B. The **Effect** buttons changes the way the unit transitions from one screen to another screen.
3. Once selections have been made press the **OK** button to exit the system setup menu.



Calibration Setup:

1. Press the **▼** button to reveal more setup features.
2. Select the **Calibration** icon to enter the screen calibration setup interface.
3. Press the **OK** button.
4. Enter "5365" for the password then press the **OK** button.
5. Touch the center of the following buttons: ①, ②, ③, ④, ⑤ in sequence. After calibrating the screen, the unit saves your settings and exits automatically.



Logo Setup:

No user selectable function.

Audio Setup:

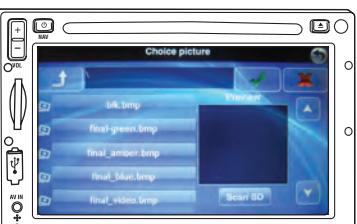
See "Sound Controls" section of this manual for more information.



Wallpaper Setup (Background Image):

1. Press the **▼** button to reveal more setup features.
2. Select the **Wallpaper** icon to enter the wallpaper selection interface.
3. Either select a file pre-stored in the system or select **Scan SD** and select an image from the rear SD GPS Card holder.
4. Touch **✓** to save the image and the unit will automatically return to the main interface.

Note: Please use 800dpi*400dpi & 24-bit/channel BMP format file as Wallpaper if desired.



System Setup (Continued)

Reset:

1. Press the  button to reveal more setup features.
2. Type "5365" as the password then press the  button.
3. The unit will reset the radio area and wallpaper to factory default settings.

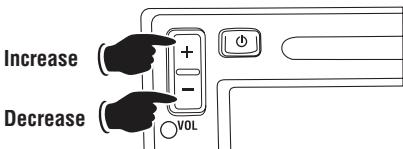


Sound Controls

Volume:

Increase the volume by pressing the  side of the button.

Decrease the volume by pressing the  side of the button.



Equalizer Interface:

Enter the Equalizer Interface from the majority of source menus.

Equalizer Presets:

Press the  or  to access the pre-defined equalizer setting. Choose between: Optimal, EQ OFF, Pop, Rock, Metal, Dance, Electronic, Country, Jazz, Classical, Bluesy, Old, Operatic, Speech and UserDefine. Press  to save and return to previous source.

Note 1: Each one of these pre-defined equalizer setting can be customized to fit your taste. Select the equalizer setting you want to adjust then use the  or  buttons to adjust the sound.

Note 2: To reset the pre-defined equalizer settings to factory specifications press and hold the  button for a few seconds.



Pre-defined Equalizer Setting

Loudness:

To boost high and low tones at low volume levels, press the  button to activate Loud. Press the  button to deactivate the Loud feature.



Turning Off the Equalizer:

To deactivate the graphic equalizer press the  button. Press the  button to activate the equalizer.



Sound Controls (Continued)

Equalizer Interface (continued):

Balance and Fader:

Press the  button to activate the speaker adjustment screen.



Use the , ,  and  buttons to adjust the speaker's balance and fader. Press the  button to return to the factory settings.

Center Speaker:

To activate the center speaker press the  button. Press the  button to deactivate the center speaker.

Press  to save and return to previous source or press  button to return to the equalizer interface.



Mute:

The majority of source menu options have a **MUTE** button. Pressing the **MUTE** button will mute the volume level. Press again to restore the volume level.



Screen Dimmer

Dimming the Screen:

Pressing the  button will dim the display. Pressing the  button will return the display to normal brightness.



Wallpaper

Wallpaper Setup (Background Image):

1. Press the  button to access wallpaper setup features.
2. Either select a file pre-stored in the system or select **Scan SD** and select an image from the rear SD GPS Card holder.
3. Touch  to save the image and the unit will automatically return to the main interface.
4. Press  to save and return to previous screen.



Radio Operation

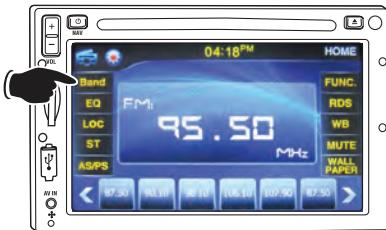
Power On/Off:

Press the power button (⊕) to turn the unit on.



Selecting the Radio Source:

Touch the **HOME** button to activate the Homepage screen. Touch the **Radio** button to enter the radio operation screen.



Selecting the AM, FM or WB Band:

Press the **Band** button repeatedly and select from FM1, FM2, FM3, AM1, AM2 or WB (weather band).



Manually Tuning in a Radio Station:

Press and hold either the < or > button until "MANUAL" appears in the display, then release. Then press the < or > button until the desired radio station appears in the display.

Hold



Memorizing Radio Stations:

1. Press the **Band** button to select either the FM1, FM2, FM3, AM1 or AM2 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 and the radio station frequency will appear in the recall button.

Hold

Radio Operation (continued)

Automatically Store Radio Stations:

1. Press the **BAND** button to select from the FM1, FM2, FM3, AM1 or AM2 radio band.
2. Press and hold the **AS/PS** button until “AS/PS” 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 banks.
Note: After the new stations are stored into memory, the tuner will start playing the first station memorized.



Hold

Scanning Stored Radio Stations:

1. Press the **BAND** button to select from the FM1, FM2, FM3, AM1 or AM2 radio band.
2. Press and release the **AS/PS** button and the tuner will scan for preset stations stored in the current banks and pause for 5 seconds at each station. When a desired station is reached, press the **AS/PS** button again to stop scanning.



Local/Distant Reception

To narrow the reception to only local strong stations the radio must be switched from distant to local reception. To switch from distant to local reception press the **LOC** button. “LOC:ON” will momentarily appear in the display indicating local reception. Press the button again and “LOC:OFF” will appear in the display indicating distant reception is activated.



FM Stereo/Mono Reception

For weaker FM stereo stations selecting mono reception usually improves reception. To switch from stereo to mono reception press the **ST** button then release. The **OO** icon will disappear from the display. Press the button again and **OO** will appear in the display indicating the FM reception is in stereo.



Scanning for FM Radio Stations that Broadcast Traffic Announcements:

1. Press the **BAND** button to select either the FM1, FM2 or FM3 radio band.
2. Press the **RDS** button and TA, AF and PTY buttons appear on the left of the display.
3. Press the **TA** button and the tuner will search for a station that broadcasts traffic announcements. “TA” will appear in the display. Once a station has been found “TP” will appear in the display and automatically start playing.



Radio Operation (continued)

4. To search for another station that broadcasts traffic announcements press either the **◀** or **▶** button.
5. Press the **TA** button again to cancel this feature. "TA" will disappear from the display.
6. Press the **FUNC.** button to return to main radio interface screen.

Note: The Traffic Announcement feature searches for stations that broadcast traffic announcements; it does not mean that they are presently broadcasting a traffic announcement.



Alternative Frequencies (AF): Not available in the US.

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

1. Press the **BAND** button to select from the FM1, FM2 or FM3 radio band.
2. Press the **RDS** button and TA, AF and PTY buttons appear on the left of the display.
3. Press the **PTY** button to display the program type screen.
4. Press the **▲** or **▼** button to select the desired program type (PTY) (Example: News, Information, Sports, etc.). The selected program type will be highlighted.
5. Press the **SRCH** button to search a station with the selected program type (PTY). Once a station has been found it will automatically start playing.



Weather Band

The weather band is accessible from the Radio screen. Press the **WB** button and the strongest weather band station will automatically be selected and start playing.



Weather Band Operation

Power On/Off:

Press the power button (⊕) to turn the unit on.

Selecting the Weather Band Radio Source:

Touch the **HOME** button to activate the Homepage screen. Press the ➡ in the lower right hand corner of the screen to reveal the second Homepage screen. Touch the **WB** button and the strongest weather band station will automatically be selected and start playing.

Notes:

1. The remaining weather band stations will be stored in the Radio Station Recall buttons. Touch any of the Radio Station Recall buttons to select another weather band station.
2. To exit the weather band screen, touch the **BAND** button to select the AM/FM radio station screen or press the **HOME** button to select another source.



Disc Warnings

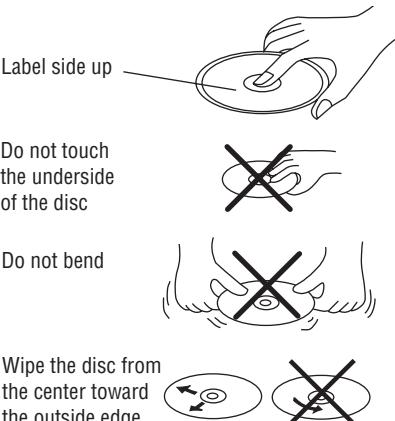
Handling:

- Dirt, dust, scratches and warping disc will cause non-operation.
- Do not place stickers on disc or scratch disc.
- Do not place discs in the following places: Direct sunlight, dirty, dusty or damp areas, near car heaters, car seats or dashboard.

Disc Cleaning:

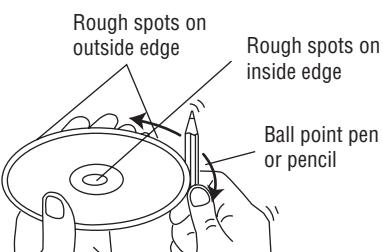
Use a dry, soft cloth to wipe the disc's surface. If the disc is very dirty, use a soft cloth slightly moistened with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

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.



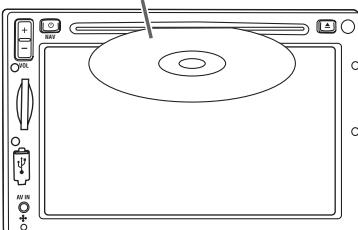
Music Disc Operation

General Operations:

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.

Label Side Up



Power On/Off:

Press the power button (⊕) to turn the unit on.

Selecting the Disc Source:

Touch the **HOME** button to activate the Homepage screen. Touch the **Disc** button to enter the disc operation screen.



Music Disc Track Selection:

Touch the screen to reveal the disc controls. Press the **◀◀** button to select a lower track. Press the **▶▶** button to select a higher track.

Tracks can also be selected by using the remote control. Press the track selection number button that corresponds to the track you want to play.

For example: If you want to play track 8, press button **8**. Track 8 will start playing and "8" will appear in the display.

If you want to play track 12, press button **10+**, followed immediately by button **2**. Track 12 will start playing and "12" will appear in the display.



Pausing a Music Disc:

Touch the screen to reveal the disc controls. Press the **▶||** button to pause the disc. Press it again to resume play.



Music Disc Operation (continued)

Stopping a Music Disc:

Touch the screen to reveal the disc controls. Press the ■ button to stop the disc. To resume play, press the ►|| button.

Press the ■ button 2 times, then press the ►|| button and the disc will start playing from the beginning.



Repeating a Music Disc Track:

The unit's default setting is to repeat the entire disc.

To repeat a music disc track:

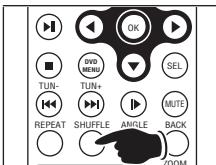
1. Touch the screen to reveal the disc controls.
2. Press the ➤ in lower right hand corner of the screen to reveal the secondary disc controls.
3. Press the ↪ and “[REP 1]” will appear in the display. The track will now play repeatedly.



The repeat feature operates in the following sequence: Disc Repeat [REP ALL] → Track Repeat [REP 1] → Repeat Off [REP OFF] → Track Repeat (REPEAT ONE) → Disc Repeat [REP ALL] . . .

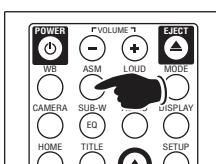
Random Music Disc Track Play Order:

Press the **SHUFFLE** button on the remote until “RANDOM: [ON]” appears on the screen. The tracks on the disc will play in random order. To cancel this function, press the **SHUFFLE** button until “RANDOM: [OFF]” appears on the display.



Preview Music Disc Tracks:

Press the **ASM** button on the remote until “INTRO ON” appears on the screen. Each track on the disc will play for 15 seconds. To cancel this function, press the **ASM** button until “SEQ PLAY” appears in the display.



Ejecting a Music Disc:

Press the ▲ button to eject a disc.

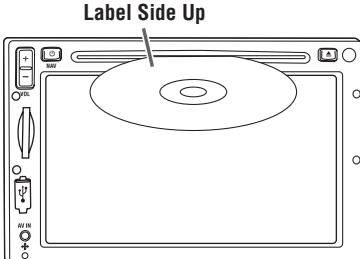


MP3 Operation (Disc, USB and SD Card)

General Operations:

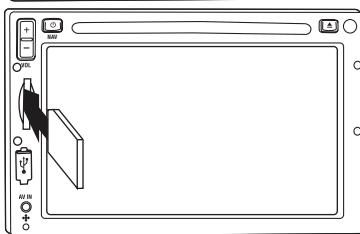
Disc: Gently insert the disc into the slot with the label side up. Inserting the disc will automatically switch the unit to **Disc** source screen.

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



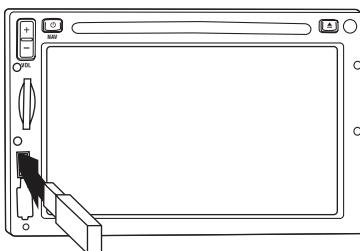
SD Card: Gently insert the SD card into the slot with the angle key in the card facing up. Inserting the SD card will automatically switch the unit to **SD** source screen.

Note: If a card does insert, **DO NOT FORCE** it into the slot, flip the card over and try again.



USB Flash Drive: Flip down the cover and gently insert the drive into the slot. Inserting the USB flash drive will automatically switch the unit to **USB** source screen.

Note: If a drive does insert, **DO NOT FORCE** it into the slot, flip the drive over and try again.



Selecting the SD, USB or Disc Source:

Touch the **HOME** button to activate the Homepage screen. Touch the **SD**, **USB** or **Disc** button to enter the corresponding operation screen.



Revealing the Home Button:

Touch the **KEY** button to reveal the **HOME** button in the upper right hand corner of the screen.



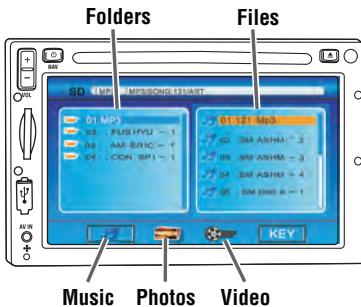
MP3 Operation (Disc, USB and SD Card) (continued)

MP3 Interface Screen:

The MP3 media (CD, SD card or USB flash drive) contains folder(s) with files inside the folders.

These files can include music tracks, photos and/or videos (compatible MPEG1, MPEG2 and DivX files). Use the icons at the bottom of the screen to select which type of files you want to access.

Note: If an icon can not be selected the unit has determined that kind of files is not accessible.



File Selection:

Method 1: Using the Touch Screen

1. Press the icon representing the type of files you want to access.
2. Next select the folder you want to open.
3. Press the file you want to play.

Note: If your file does not appear on the screen you must use file selection Method 2.

Method 2: Using the Control Panel

1. Touch the **KEY** button to reveal the file and folder controls.
2. Press the **→** icon in lower right hand corner of the screen to reveal the secondary controls.
3. Press the **↔** icon to reveal the navigation controls.
4. Use the **◀**, **↑**, **◀**, **↓** buttons to navigate both the folders and file menus.
5. When the correct file has been located press the **OK** button.



File Selection:

Touch the **KEY** button to reveal the file and folder controls.

Press the **◀** button to select a lower file.

Press the **▶** button to select a higher file.



Pause:

Touch the **KEY** button to reveal the file and folder controls.

Press the **▶II** button to pause the disc. "PAUSE II" will appear in the display. Touch the **▶II** button again to resume play.



MP3 Operation (Disc, USB and SD Card) (continued)

Stop:

Touch the **[KEY]** button to reveal the file and folder controls.

Press the **■** button to stop play. To resume play, press the **▶||** button.

Press the **■** button 2 times, then press the **▶||** button and the first track from the first folder will start playing.



Display:

Touch the **[KEY]** button to reveal the file and folder controls. Press the **→** icon in lower right hand corner of the screen to reveal the secondary controls.

Press the **OSD** button for the following sequence: Elapse Time → Time Remaining → Display Off.



Repeating a File:

The unit's default setting is not to repeat.

To repeat a file:

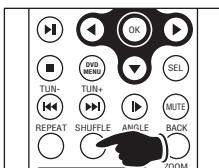
1. Touch the **[KEY]** button to reveal the controls.
2. Press the **→** in lower right hand corner of the screen to reveal the secondary disc controls.
3. Press the **REPEAT** and “[REP OFF]” will appear in the display. Press the **REPEAT** button until “[REP 1]” appears, the file will now play repeatedly.

The repeat feature operates in the following sequence: Repeat Off [REP OFF] → File Repeat [REP 1] → Repeat Directory [REP DIR] → Repeat All (REPEAT ALL) → Repeat Off [REP OFF] . . .



Random File Play Order:

Press the **SHUFFLE** button on the remote until “RANDOM: [ON]” appears on the screen. The files will play in random order. To cancel this function, press the **SHUFFLE** button until “RANDOM: [OFF]” appears on the button.



Ejecting a Disc:

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



Removing a USB Device or SD Card:

Remove a USB device or SD card at any time by pulling the device out of the socket.

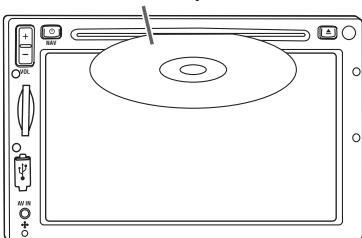
Movie Disc Operation

General Operations:

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.

Label Side Up



Power On/Off:

Press the power button (⊕) to turn the unit on.

Selecting the Disc Source:

Touch the **HOME** button to activate the Homepage screen. Touch the **Disc** button to enter the disc operation screen.



Moving Vehicle Warning:

If the vehicle is moving, this screen will be displayed. The sound of the movie disc can be heard. Once the vehicle is stopped and the parking brake is engaged, the video will play on the screen.



Menu Screen:

1. Touch the screen to reveal the disc controls.
2. Press the → in lower right hand corner of the screen 2 times to reveal the secondary disc controls.
3. Press the **Menu** button to access the menu screen of the movie disc.
4. Touch the menu item you want to select.

Note: Pressing the **DVD MENU** button on the remote will also access the menu screen.



Pausing/Playing a Movie Disc:

Touch the screen to activate the movie disc control button panel.

Press the **►||** button to pause the movie disc. "PAUSE ||" will appear in the display.

To resume playing the disc, press the **►||** button.



Movie Disc Operation (continued)

Stopping a Movie Disc:

Touch the screen to activate the control button panel.

Press the **■** button to stop play. To resume play, press the **▶II** button.

Press the **■** button 2 times, then press the **▶II** button and the movie disc will start playing from the beginning.



Selecting a Chapter:

Touch the screen to activate the movie disc control button panel.

Press the **I◀◀** button to select a previous chapter.

Press the **▶▶I** button to select a next chapter.



Fast Forwarding / Fast Rewinding:

Touch the screen to activate the control button panel.

Press and hold the **I◀◀** or **▶▶I** button to start the fast forward or fast rewind function speed of 2 times normal speed (X 2). "FORWARD X 2" or "BACKWARD X 2" will appear in the display.

Press and hold the **I◀◀** or **▶▶I** button again will increase the speed, X 4, X 8 and X 20. Touch the **▶II** button to resume normal movie disc playback.



Audio Language:

1. Touch the screen to reveal the disc controls.
2. Press the **▶** in lower right hand corner of the screen 2 times to reveal the secondary disc controls.
3. Press the **■** button during playback to select the desired audio/language setup. The audio languages will appear at the top of the screen.



Title Screen:

1. Touch the screen to reveal the disc controls.
2. Press the **▶** in lower right hand corner of the screen 2 times to reveal the secondary disc controls.
3. Press the **■** button, depending on the characteristics of the movie disc the title function may be invalid. This is not a malfunction.



Movie Disc Operation (continued)

Subtitle Language Menu:

1. Touch the screen to reveal the disc controls.
2. Press the  in lower right hand corner of the screen 2 times to reveal the secondary disc controls.
3. Press the  button during playback. Each time the button is pressed, the subtitle language changes. The selection of subtitle appears at the top of the screen.



Notes:

1. Some discs may contain only one subtitle language.
2. Depending on the disc, the number of subtitle languages may be different.

Angle View Selection:

1. Touch the screen to reveal the disc controls.
2. Press the  in lower right hand corner of the screen 2 times to reveal the secondary disc controls.
3. Press the  button, depending on the characteristics of the movie disc the angle function may be invalid. This is not a malfunction.



Zoom Selection:

1. Touch the screen to reveal the disc controls.
2. Press the  in lower right hand corner of the screen 2 times to reveal the secondary disc controls.
3. Press the  button to enlarge the on-screen image during disc play. Each time the  button is pressed, the magnification increment changes in the following order: 2X, 3X, 4X, 1/2, 1/3, 1/4.
4. Use the navigation buttons  from the disc controls, to move the image on the screen.



On Screen Display Selection:

1. Touch the screen to reveal the disc controls.
2. Press the  in lower right hand corner of the screen to reveal the secondary disc controls.
3. Press the **OSD** button during movie play to display the following information in this order for most discs:

Title Elapse, Title Remain, Chapter Elapse, Chapter Remain and Display Off.



Movie Disc Operation (continued)

Direct Chapter Selection:

1. Touch the screen to reveal the disc controls.
2. Press the  in lower right hand corner of the screen to reveal the secondary disc controls.
3. Press the  button to show the number keypad. Select the numbers keys to directly select the desired chapter.
4. Press  button to execute your selection.



Screen Adjustment Controls:

1. Touch the screen during movie playback to reveal the disc controls.
2. Press the  in lower right hand corner of the screen to reveal the secondary disc controls.
3. Press the  button to access the screen adjustment controls.
4. Press  or  buttons to change the display to suit your taste.
5. Wait a few seconds after making the adjustments and the adjustment controls will disappear.

Note: Press the **RESET** button to return the screen to the factory settings.



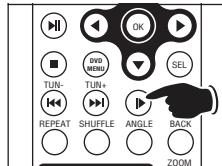
Brightness		 -32 
Contrast		 112 
Saturation		 176 
Sharpness		 1 
Hue		 0 
RESET		

Slow Motion:

Continue to press the  button on the remote to play the movie in slow motion in the following order:

SF 1/2, SF 1/3, SF 1/4, SF 1/5, SF 1/6, SF 1/7

To resume normal play, press the  button.



Ejecting a Disc:

Press the  button to eject a disc.



Movie Disc Setup Menu

Note: To access the Movie Disc Setup Menu, a movie disc has to be inserted.

Movie Disc Setup Menu:

1. Touch the screen during movie playback to reveal the disc controls.
2. Press the  in lower right hand corner of the screen to reveal the secondary disc controls.
3. Press the  button to access the screen movie disc setup menu.
4. Select the menu item for adjustment.
5. Use the touch screen to make your adjustments.
6. Press **EXIT SETUP** when you are finished with adjustments.



System Setup Page:

- TV System: NTSC, PAL, Auto
- TV Type: 4:3PS, 4:3LB, 16:9
- Password: _____
- Rating: 1 Kid Safe
 - 2 G
 - 3 PG
 - 4 PG13
 - 5 PG-R
 - 6 R
 - 7 NC-17
 - 8 Adult
- Default: Restore
- Exit Setup

Language Setup Page:

- OSD Language: English, German, Spanish, French, Portuguese or Italian
- Audio Lang: English, German, Spanish, French, Portuguese or Italian
- Subtitle Lang: English, German, Spanish, French, Portuguese or Italian
- Menu Lang: English, German, Spanish, French, Portuguese or Italian
- Exit Setup

Audio Setup Page:

- Audio Out: SPDIF/OFF, SPDIF/RAW or SPDIF/PCM
- Key: #, +4, +2, 0, -2, -4, b
- Exit Setup

Video Setup Page: Use the screen adjustment controls in the movie playback disc controls ().

- Brightness: 12, 10, 8, 6, 4, 2, 0
- Contrast: 12, 10, 8, 6, 4, 2, 0
- Hue: +6, +4, +2, 0, -2, -4, -6
- Saturation: 12, 10, 8, 6, 4, 2, 0
- Sharpness: 8, 6, 4, 2, 0
- Exit Setup

Speaker Setup Page:

- Downmix: LT/RT, Stereo or VSS
- Exit Setup

Digital Setup Page:

- OP Mode: Line Out or RF Remod
- Dynamic Range: Full, 6/8, 4/8, 2/8 or OFF
- Dual Mono: Stereo, Mono L, Mono R or Mix Mono
- Exit Setup

GPS Navigation Operation (M4-LCD Only)

Power On/Off:

Press the power button (⊕) to turn the unit on.

Selecting the GPS Navigation System:

Direct Selection:

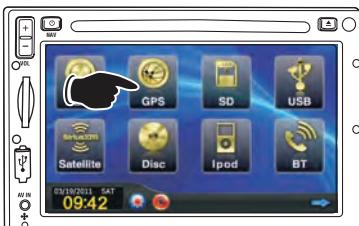
Press and release the ⊕ button from any screens to enter the navigation screen.

Note: Pressing the ⊕ button again will return the unit to last non GPS screen.



Homepage Selection:

Touch the **HOME** button to activate the Homepage screen. Touch the **GPS** button to enter the navigation screen.



Navigation Menu:

The typical way of using the navigation system is to select a destination and start navigating. You can select your destination in the following ways:

- Use the selected location on the map (the cursor).
- Enter a full address or a part of an address, for example a street name without a house number or the names of two intersecting streets.
- Enter an address with zip code. This way you do not need to select the name of the city and the search for street names might be faster as well.
- Use a coordinate.
- Use a saved location: a favorite, a POI (point of interest) or the history of previously set destination.



GPS Navigation Operation (M4-LCD Only) (continued)

Navigation Settings:

You can configure the program settings, and modify the behavior of the navigation system. Touch the **Settings** icon in the Navigation Menu screen.



Settings Menu (1 of 2):

- **Map Visuals:** Fine-tune the appearance and content of the Map screen.
- **Route Planning:** These settings determine how routes will be calculated.
- **Navigation:** Control how the system acts during navigation.
- **Sound:** Adjust the sound of the navigation system.
- **Regional:** These settings allow you to customize the application for your local language, measurement units, time and date settings and formats, as well as to choose the voice guidance profile you prefer.
- **Warnings:** Enable some useful warnings, and disable the touch screen in a moving vehicle with Safety Mode.



Settings Menu (2 of 2):

Press the ➤ button to access the second group of settings.

- **GPS:** Sets up the connection to the GPS receiver:
GPS Enabled: ✓, Port: 3 and Baud Rate: 57600.
- **Menu:** Modify the look and behavior of the Menu screens.
- **Tracks:** Set up automatic Track Log saving and fine-tune related settings.
- **TMC:** Not available.
- **Device Settings:** Fine tune device related settings.
- **About:** This screen has no navigation features.



Press the ← button to return to the Navigation Menu.



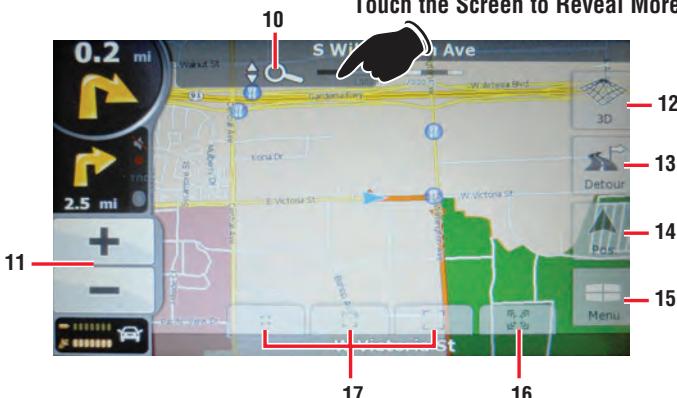
GPS Navigation Operation (M4-LCD Only) (continued)

Map Features



1. Turn preview, that is the next route event. Press to open the Route Information screen.
2. Second upcoming route event. Press to open the trip itinerary.
3. Trip data. Press to open the Trip information screen.
4. GPS position quality. Press to open the quick menu.
5. Current position.
6. Next street.
7. Active route.
8. Current street and house number.
9. Destination.

Touch the Screen to Reveal More Features



10. Open/Close Map control buttons.
11. Map zoom in (+) and zoom out (-).
Note: 3D map contains rotate left and rotate right and tilt up and tilt down controls.
12. Switch between 2D and 3D map modes.
13. Detour: Opens the Detour screen, offering two way of modifying the route:
 - The list of Saved Search Criteria.
 - A button to avoid parts of the route.
14. Opens the Position menu.
15. Menu: Opens the Navigation menu.
16. Smart Zoom: Press to zoom in to your present location.
Note:  button appears when GPS position is available and you have moved the map so  is no longer visible. Touch this button to move the map back to the current GPS position.
17. Preset Zoom: Press one of the preset buttons to zoom to a predefined value. Press and hold to set the current zoom level.
Note: In 3D mode these buttons are predefined tilt and zoom buttons. Press and hold to set the current zoom and tilt levels.

GPS Navigation Operation (M4-LCD Only) (continued)

Selecting the Destination of a Route

Selecting the Cursor as the Destination:

1. Locate your destination on the map. Move and scale the map as needed.
2. Touch the location on the map that you want to select as your destination. The cursor  appears on the screen.
3. Press the  button.
4. The map appears with the selected point in the middle of the screen. Touch the **Set as Destination** button. The route is then automatically calculated and you can start navigating.



Entering an Address or Part of an Address:

If you know at least a part of the address, it is the quickest way to select the destination of the route.

1. If in the Map mode, touch the **Menu** button to access the Navigation Menu.



2. In the Navigation Menu screen press the **Find** icon.



3. Touch the **Find Address** button.



GPS Navigation Operation (M4-LCD Only) (continued)

Entering an Address or part of an Address (Continued):

4. By default, the navigation system automatically selects the country, state and city. If you need to change any of the previous selection touch the screen next to item you want to change.



5. Using the keyboard to enter the city. Once your City selection has been made, complete the Street Name and House Number. When the necessary destination information is entered press the **Done** button.

Note: Press the  icon to select a city from recently used cities.



6. The map appears with the selected point in the middle of the screen. Touch the **Set as Destination** button. The route is then automatically calculated and you can start navigating.



Entering a Zip Code:

If you know at least a part of the address, it is the quickest way to select the destination of the route.

1. If in the Map mode, touch the **Menu** button to access the Navigation Menu.



2. In the Navigation Menu screen press the **Find** icon.



GPS Navigation Operation (M4-LCD Only) (continued)

Entering a Zip Code (Continued):

3. Touch the **Find Address** button.



4. Select "All States" from the state menu.



5. Select "<center city name filter>" menu. Using the keyboard enter the Zip Code. Automatically the city appears on the screen. Touch to confirm the city. Next select the 'Street Name' and "House Number". When the necessary destination information is entered press the **Done** button.



6. The map appears with the selected point in the middle of the screen. Touch the **Set as Destination** button. The route is then automatically calculated and you can start navigating.



A destination can also be selected by using the following methods in the Find Menu:

- **Find POI (Point of Interest):** The POI will search for points of interest around a given address.
- **Recent Places:** The destinations that you have set earlier will appear in the history.
- **Find Coordinate:** Use Latitude and Longitude coordinates to select a destination.
- **My Favorites:** You can select a location that you have already saved as a Favorite to be your destination.



GPS Navigation Operation (M4-LCD Only) (continued)

Making a Detour:

Avoid Parts of the Route Detour:

1. Touch the **Second Upcoming Route Event** area.



2. Use the < and > buttons at the bottom of the screen to find the part of the route to avoid. Touch and highlight part of the route to avoid.



3. Press the **Avoid** button.



4. Select your preference on how to avoid the route segment. Once your preference is selected the map appears and the route is automatically calculated and you can start navigating.



Saved Search Criteria Detour:

1. Touch the **Detour** button.



2. Select where you want to detour your route by selecting from the Search Criteria. Once you have selected your detour the screen will switch to the map menu with a cursor over you detour.



GPS Navigation Operation (M4-LCD Only) (continued)

Saved Search Criteria Detour (Continued):

3. Touch the **Insert Via** button and a yellow flag will appear on the map indicating the detour route has been calculated and you can start navigating.

Note: To delete this detour touch the yellow detour flag until a flashing cursor shows up on the screen. Press the  button and select the **Remove Via** button and your detour will disappear.

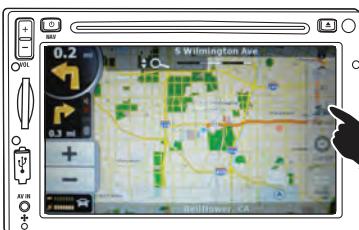


Direct Selection Detour:

1. Zoom the map so the part of the route you want to detour is visible on the screen. Touch the part of the route you want to detour until a red flashing cursor appears on the screen.



2. Touch the **Detour** button.

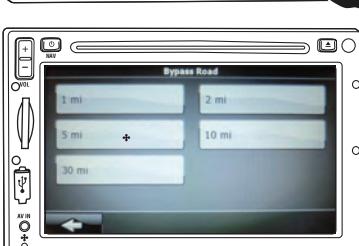


3. Touch the **By-pass Road** button.



4. Select your preference on how to avoid the route segment. The map appears and the route is then automatically calculated and you can start navigating.

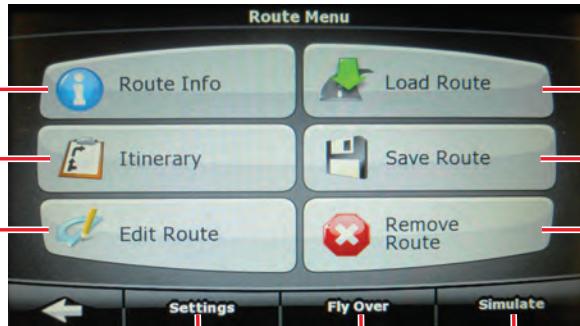
Note: To delete this detour touch the Detour button and select the **Delete Avoids** button and your detour will disappear.



GPS Navigation Operation (M4-LCD Only) (continued)

Route Menu:

Touch the **Route** icon to save, load and edit your routes.



- 1. Route Information:** Contains data (estimated arrival, route length, time left, distance left, method of travel and warning icons) and some of the functions you need while you navigate.
- 2. Itinerary:** Is the list of the route driving instructions.
- 3. Edit Route:** The list of route points appear with the start point at the top of the list and the final destination at the bottom. Touch one of the route points in the list to edit. You can move route points up or down in the list, reverse the route, optimize the route or remove a route point.
- 4. Load Route:** You can navigate a route you previously saved. You can choose to keep the current GPS position as the start point, the route will recalculated starting from your current position.
- 5. Save Route:** You can save the active route for later use.
- 6. Delete Route:** Erase the active route with all its route points (start point, via points and destination).
- 7. Simulate:** You can run a demonstration of the route at normal speed.
- 8. Fly Over:** You can run a demonstration of the route at high speed.
- 9. Settings:** Opens the route settings screen with control to modify the vehicle, the road types used for route calculation, or the route calculation method.

GPS Navigation Operation (M4-LCD Only) (continued)

Manage Menu:

Touch the **Manage** icon to manage the content that the navigation system stores.



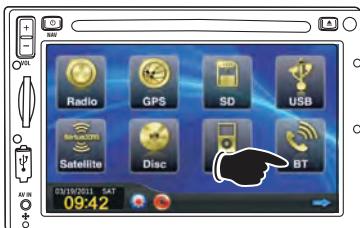
- 1. Saved Routed:** Renaming or deleting saved routes.
- 2. Track Logs:** Recording, simulating, renaming or deleting track logs, assigning color to them to be shown on the map.
- 3. POI (Points of Interest):** Creating, updating or deleting POIs or POI groups. Modify POI visibility settings.
- 4. Recent Places:** List of recent destinations.
- 5. Favorites:** Renaming or deleting Favorites.
- 6. Saved Search:** Creating, renaming or deleting Saved Search Criteria.

- 7. Help:** No function.
- 8. User Data Management:** You can manage the data you have saved (example: POIs, Favorites or History) and the settings you have made in the program.
- 9. Geocoding Error:** No function.

Bluetooth Operation

Selecting the Bluetooth Source:

Touch the **HOME** button to activate the Homepage screen. Touch the **BT** button to enter the Bluetooth interface.



Pairing Bluetooth Devices:

1. Enter the Bluetooth interface on M4-LCD/M3-LCD.
2. Open the mobile phone's setup menu.
3. Open the Bluetooth setup program on the mobile phone and activate the Bluetooth feature.
4. From your mobile phone scan for available devices.
5. Select "MAGM4LCD" and connect to the unit.
6. Type the password "0000".
7. When phone has been paired "Connected" will appear in the unit's Bluetooth interface display.



Note 1: If the mobile phone has been previously paired with the M4-LCD/M3-LCD, the unit will connect automatically to the Bluetooth mobile phone when the unit is turned on.

Note 2: If the Bluetooth mobile phone is already paired with the radio, select MAGM4LCD on your phone and touch "Connect".

Making Calls:

1. Make sure the mobile phone is connected to M4-LCD/M3-LCD.
2. Using the key pad type in the phone number .
3. Touch the green phone to make the call.



Answering Calls:

1. Make sure the mobile phone is connected to M4-LCD/M3-LCD.
2. The incoming call's phone number will appear in the display.
3. Touch the green phone to answer the call.



Bluetooth Operation (continued)

Ending a Call:

Touch the  red phone to end the call.



Connecting an Already Used Phone:

The M4-LCD/M3-LCD automatically connects itself to the last phone you used with it. If you want to connect the unit to another phone you already paired:

1. Make sure the Bluetooth is turned off of the last mobile phone that was connected to the unit.
2. Make sure the Bluetooth is activated on the phone you want to connect.
3. Touch the  to refresh the M4-LCD/M3-LCD to allow connection to the new phone.



Last Phone Number Redial:

1. Make sure the mobile phone is connected to the unit.
2. Press the  button and the last number will be dialed automatically.
3. Touch the  red phone to end the call.



Phone Log:

1. Make sure the mobile phone is connected to the unit.
2. Press the  button to enter the Bluetooth phone log interface.
3. Select between: Calls Dialed, Calls Received or Calls Missed.
4. Press the  or  button to scroll through the phone numbers.
5. Touch the phone number you want to call.
6. Press the  green phone to make the call.
7. Touch the  red phone to end the call.
8. Press  to return to the previous screen.

Note: If you want to delete a phone number touch the phone number then press the .

Calls Dialed
Calls Received
Calls Missed
Delete a Phone Number



Bluetooth Operation (continued)

Phone Book:

1. Make sure the mobile phone is connected to the unit.
2. Press the  button to enter the Bluetooth phone book interface.
3. Press the  button to download the phone numbers from your mobile phone.
4. Press the  or  button to scroll through the phone numbers.
5. Touch the phone number you want to call.
6. Press the  green phone to make the call.
7. Touch the  red phone to end the call.
8. Press  to return to the previous screen.

Note: If you want to delete a phone number touch the phone number then press the  button. To delete all the phone numbers press the  button.



Bluetooth Music:

1. Make sure the mobile device is connected to the unit.
2. Press the  button to enter the Bluetooth music interface.
3. Interface control buttons:
 - Press the  or  button to select previous or next track.
 - Press the  button to pause the track, press it again to resume play.
 - Press the **MUTE** button to disable the audio, press it again to restore the audio.
4. Press  to return to the previous screen.



Satellite Radio Setup

Note: The vehicle must be equipped with an optional satellite tuner (SXT100) in order to receive a satellite signal. If the tuner is not activated, call 1-866-635-2349 to activate. The Tuner ID Number (SID) is required during the activation process. Follow the steps below to access the Tuner ID Number (SID):

Accessing the Tuner ID Number (SID):

1. Touch the **HOME** button to activate the Homepage screen. Touch the **Satellite** button to enter the SiriusXM interface.



2. Press the **MENU** button.



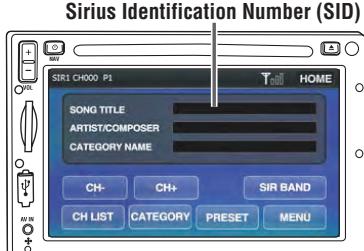
3. Press the **DIRECT CH** button.



4. Enter the number **000** then press the **ENTER** button.



5. The Sirius Identification Number (SID) will appear next to the "SONG TITLE" header.



Sirius Identification Number (SID)

Satellite Radio Operation

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

Information display during reception:

CHECK ANTENNA: When an antenna issue exists.

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

CHANNEL NOT AVAILABLE: A channel without a broadcast has been selected or the receiver may not be activated.

CALL 1-866-635-2349 TO SUBSCRIBE: A channel not covered by your contract or the tuner is not activated. Call Sirius Service Center 1-866-635-2349 or visit them online at www.siriusxm.com.

Channel Selection Modes:

Channels are selected by the following methods:

- **Manual Tuning:** Use the Manual Tuning method to scan thru 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.

Manual Tuning:

Press the **CH -** or **CH +** button until the desired channel appears in the display.



Direct Tuning:

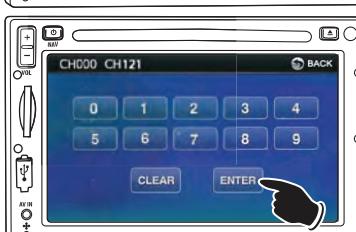
1. Press the **MENU** button.



2. Press the **DIRECT CH** button.



3. Enter the channel number then press the **ENTER** button. For example: For Sirius Channel 121, press 1, 2, 1 and then press the **ENTER** button. The channel will automatically start playing.



Note: To enter a new number press the **CLEAR** button before entering a new channel numbers.

Satellite Radio Operation (Continued)

Channel Selection Modes (continued):

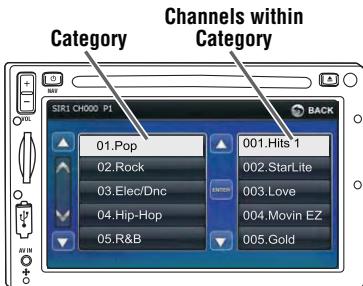
Category Tuning:

1. Press the **CATEGORY** button.



2. Use the **▲** or **▼** buttons to select the Category. The Category can also be selected by touching the desired category on the screen.

To select the Channel, use the **▲** or **▼** buttons. The channel can also be selected by touching the desired channel on the screen.



3. Once the **ENTER** button is pressed, the channel will start playing.

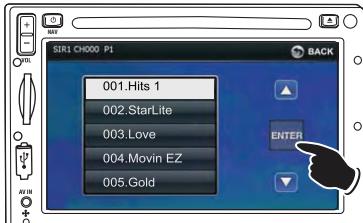


Channel List:

1. Press the **CH LIST** button to access the master channel List menu.



2. Scroll through the channels by pressing the **▲** or **▼** button. Press the desired channel and the channel will start playing. Press the **ENTER** button to return to the main satellite radio screen.



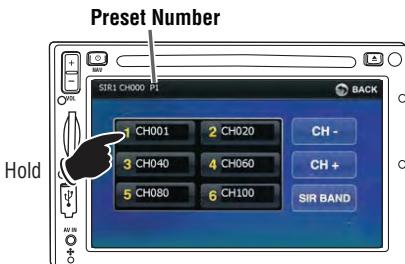
Satellite Radio Operation (Continued)

Programming Preset Satellite Channel:

1. Tune in the desired channel then press the **PRESET** button to access the preset channel menu.



2. To program the channel, press and hold any one of the six channel recall buttons until you see the "Preset Number" appear in the display. The channel will now be displayed on the preset button.

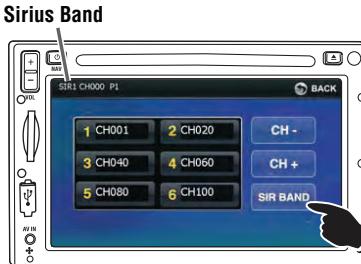


3. To program additional channels, tune them in using the **CH-** (lower channel) or **CH+** (higher channel) button. Press and hold any of the other five channel recall buttons until you see the "Preset Number" appear in the display. The channel will now be displayed on the preset button.



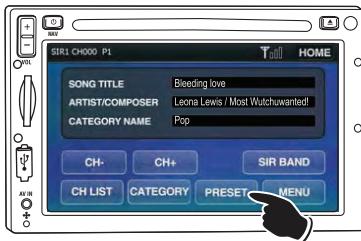
4. Additional channels can also be programmed in the different preset bands (SIR1, SIR2 and SIR 3). Press the **SIR BAND** button to access the different preset bands. Press  to return to the main satellite radio screen.

Note: Each band can program 6 channels, so 18 satellite channels can be programmed in the radio's memory.



Recalling Preset Channel:

1. Press the **PRESET** button to access the Preset Channel menu.



Satellite Radio Operation (Option) (Continued)

Recalling Preset Channel (continued):

2. To recall a preset channel, press and release the preset number displaying the desired channel number on the button.



Sirius Band

Note: Additional channels can also be recalled in the different preset bands (SIR1, SIR2 and SIR 3). Press the **SIR BAND** button to access the different preset bands.



Skipping a Channel:

1. Press the **MENU** button.



2. Press the **SKIP CH** button.



3. Select the channel to be skipped by highlighting the channel.



Satellite Radio Operation (Option) (Continued)

Skipping a Channel (continued):

4. Press the  button and  will appear next to the channel indicating that the channel is skipped.



Reinstating a Skipped a Channel:

Select the channel to be reinstated by highlighting the channel. Press the  button and a  will appear next to the channel indicating that the channel is reinstated.

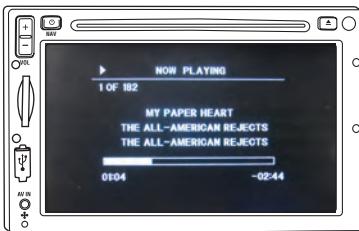


IPOD Operation (Option)

General Operations:

1. Press the power button (⊕) to turn the unit on.
2. Connect an IPOD to the cable attached to the M4-LCD/M3-LCD.
3. The unit will automatically switch to the IPOD source screen and start playing.

Note: The controls on the IPOD will become inoperable and the unit will now control the IPOD.



Selecting the IPOD Source:

Press the **HOME** button to select the source screen. Then press the **IPOD** button to select the IPOD source.



IPOD Interface:

To access the IPOD interface controls (Track and Navigation) touch the screen.

Note: The IPOD interface does not allow for direct screen selection of items, you must use the controls at the bottom of the screen.



Track Controls:

Touch the screen to activate the track controls.

Play/Pause:

▶|| Press the ▶|| button to pause the track.
"||" will appear in the display. To resume playing the disc, press the ▶|| button.

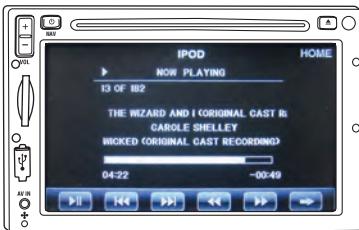
Track Up/Down:

◀◀ Press the ▲◀◀ button to select a previous track.
▶▶ Press the ▶▶ button to select a next track.

Fast Rewinding/Fast Forwarding

◀◀ Press the ▲◀◀ button to fast rewind track.
To resume normal playback speed press again.
▶▶ Press the ▶▶ button to fast forward track.
To resume normal playback speed press again.

➡ Press to access Navigation Controls.



Track Controls

IPOD Operation (Continued)

Navigation Controls:

Touch the screen to activate the track controls.
Press the  in lower right hand corner to activate the navigation controls.

Navigation:

 Press the button to scroll up through the menu item. Same operation as the IPOD's Click Wheel.

 Press the button to scroll down through the menu item. Same operation as the IPOD's Click Wheel.

 The **OK** button has the same operation as the Center Select/Enter button on an IPOD.

 This button has the same operation as the MENU button on an IPOD.

 Press to access Track Controls.



Navigation Controls

Browse for a Song:

1. Press the  button until the screen containing PLAYLIST, ARTIST, ALBUM, GENRE and SONGS appears in the display.



2. Use the  and  buttons until SONGS is highlighted in the menu.



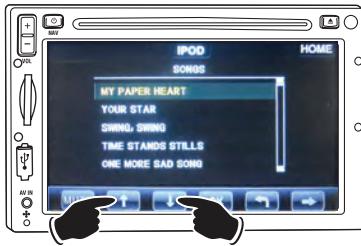
IPOD Operation (Option) (Continued)

Browse for a Song (continued):

3. Press the **OK** button.



4. Press the or button to scroll through the songs.



5. Press the **OK** button and the song will start playing.



Camera Operation

Automatic Camera Selection:

Rear View Camera:

The rear view camera will automatically activate when the ignition key is turned “On” and the vehicle is put into reverse. The video image from the camera will appear on the screen and the audio from the rear camera can be heard through the vehicle’s speakers.

Note: This system only provides for one way audio, from the camera to the M4-LCD/M3-LCD. **The M4-LCD/M3-LCD is unable to transmit audio to the camera.**

Side View Cameras (Left and Right)(if equipped):

The side view cameras will automatically activate when the ignition key is turned “On” and the vehicle’s turn signal are used. The video image from the camera will appear on the screen.

Note: Side view cameras do not have audio.

Front View Camera

The front view camera can not be automatically activated. The front view camera can only be manually selected, see “Manually Selecting the Camera View” below for more information.

Note: Front view camera does not have audio.

Note: Automatically activated camera views have priority over manually selected camera views.

For instance: When a vehicle is put into reverse gear the rear camera view will automatically be displayed on the screen.

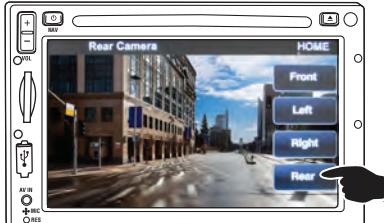
Manually Selecting the Camera View:

1. Touch the **HOME** button to activate the Homepage screen. Press the  in the lower right hand corner of the screen to reveal the second Homepage screen. Then press the **Camera** button to select the camera source screen.



2. Select a camera view (**Front**, **Left**, **Right** or **Rear**) by pressing the button associated with the camera view you want to display on the screen.

Note: The front view camera may not be selectable depending if the system has a front view camera.



Auxiliary Audio Video Inputs Operation

Note: The M4-LCD/M3-LCD will not control the auxiliary source, but can adjust the audio output. Refer to the audio device's owners manual for proper playback operation.

Connecting an Auxiliary Audio/Video Device:

Auxiliary Input 1 (AV-IN1): Connect an auxiliary audio/video device using a 3.5mm jack (not supplied) into the socket mounted on the front of the unit.

Auxiliary Input 2 (AV-IN2): Connect an auxiliary audio/video device to the Auxiliary Input RCA connectors coming from the rear of the unit.

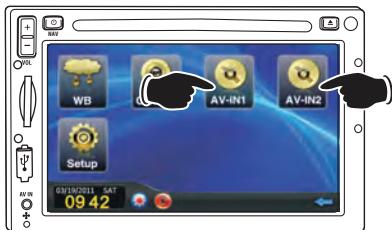


AV-IN1

Selecting the Auxiliary Audio/Video Source:

Touch the **HOME** button to activate the Homepage screen. Press the **→** in the lower right hand corner of the screen to reveal the second Homepage screen. Then press the **AV-IN1** or **AV-IN2** button to select the Auxiliary Audio/Video source.

Note: The unit will not control the auxiliary source, but can adjust the sound controls. Refer to the audio device's owners manual for proper operation.



Moving Vehicle Warning:

If the vehicle is moving, this screen will be displayed. The sound of the source can be heard. Once the vehicle is stopped and the parking brake is engaged, the video will play on the screen.



Menu Screen:

Press the **AUX-IN1** or **AUX-IN2** button to select the auxiliary source. The display will indicate which Auxiliary Source has been selected.

AV1: Front Input.

AV2: Rear Input.

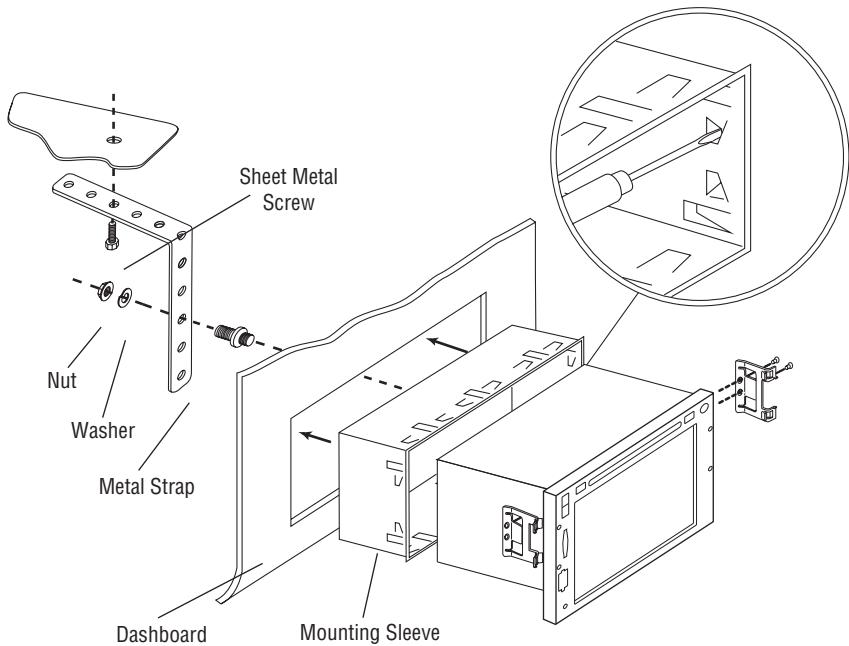


Installation

Step 1: The radio chassis is designed to be "Sleeve Mounted" through an 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.

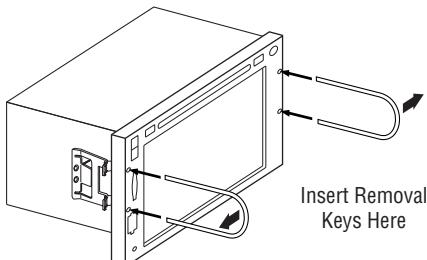
Step 3: Bring all wiring for the connection of the unit (including the antenna) through the center of the mounting sleeve.



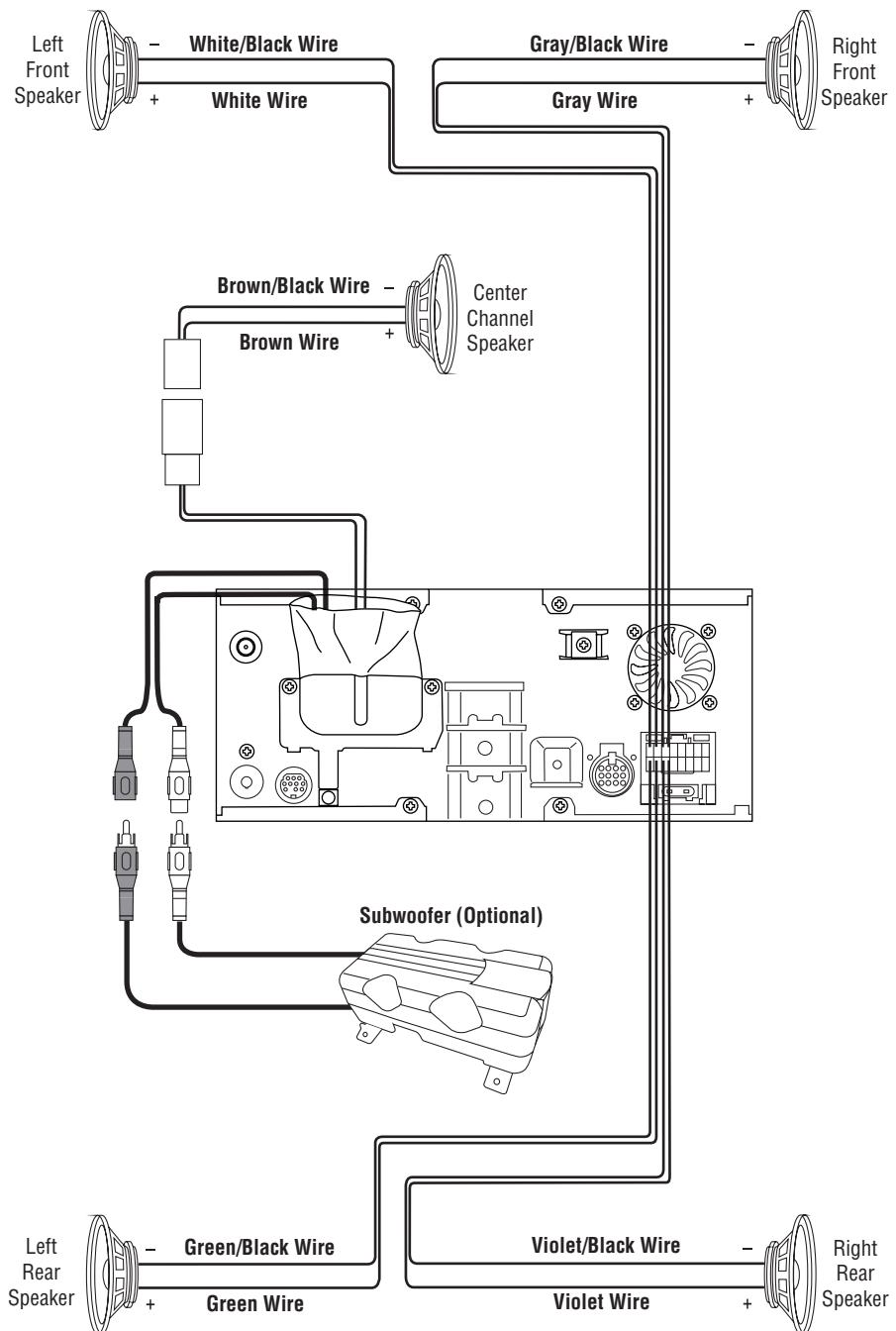
Removing the Unit:

To remove the radio after installation, insert the removal keys straight back until they click. Push the keys outward. Then pull the radio out.

Note: If the removal keys are inserted at an angle they will not release the radio.

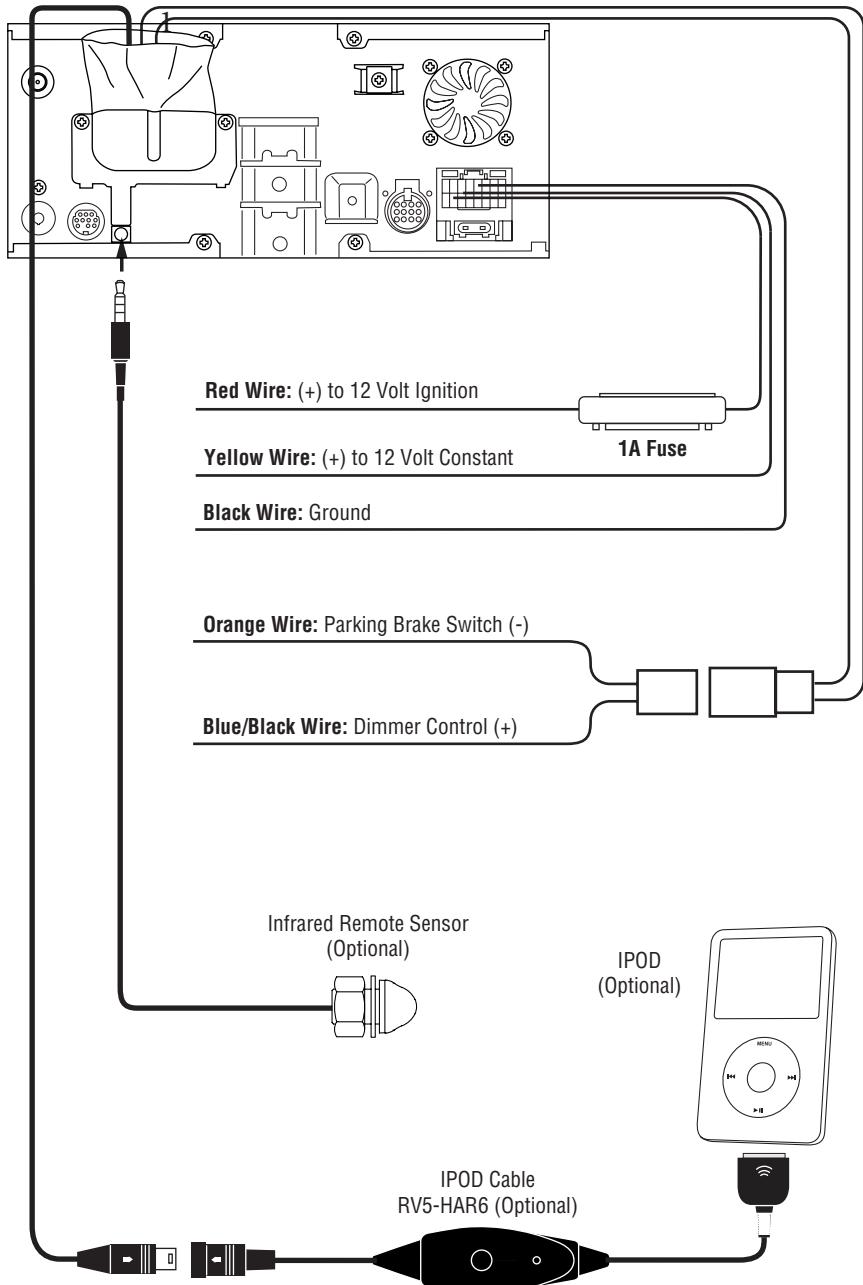


Speaker Connections

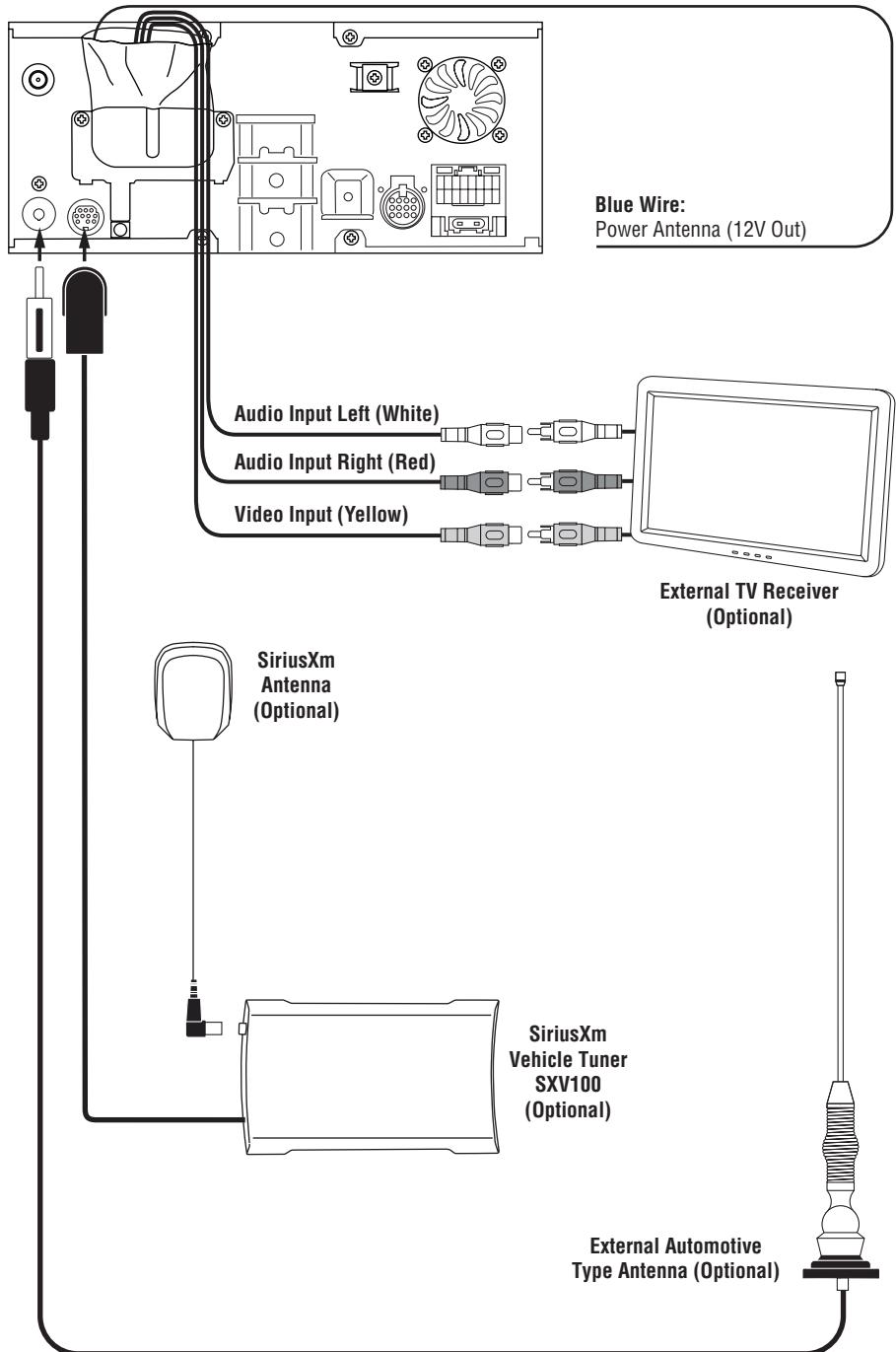


Input and Output Connections

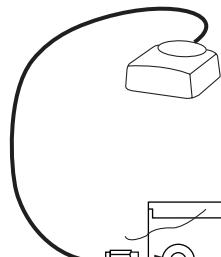
This unit for use only with a 12 Volt DC power source with a negative ground.



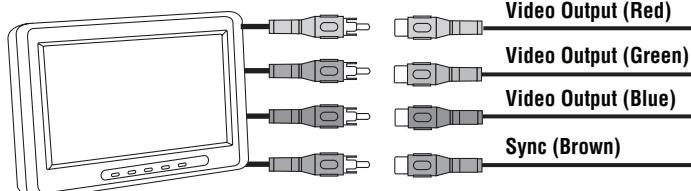
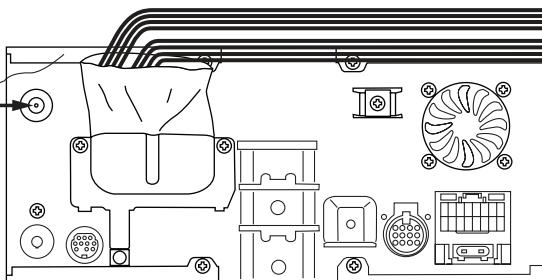
Input and Output Connections (Continued)



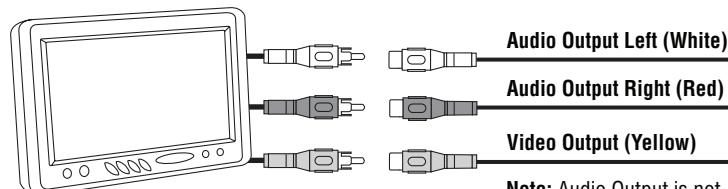
Input and Output Connections (Continued)



GPS Antenna
(Supplied, M4-LCD Only)

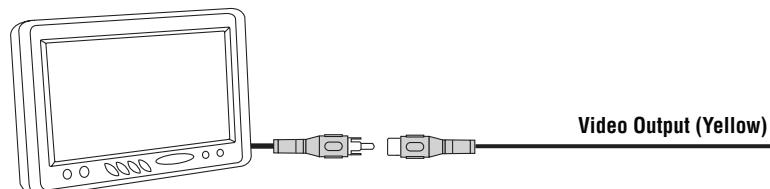


RGB Monitor (Optional)



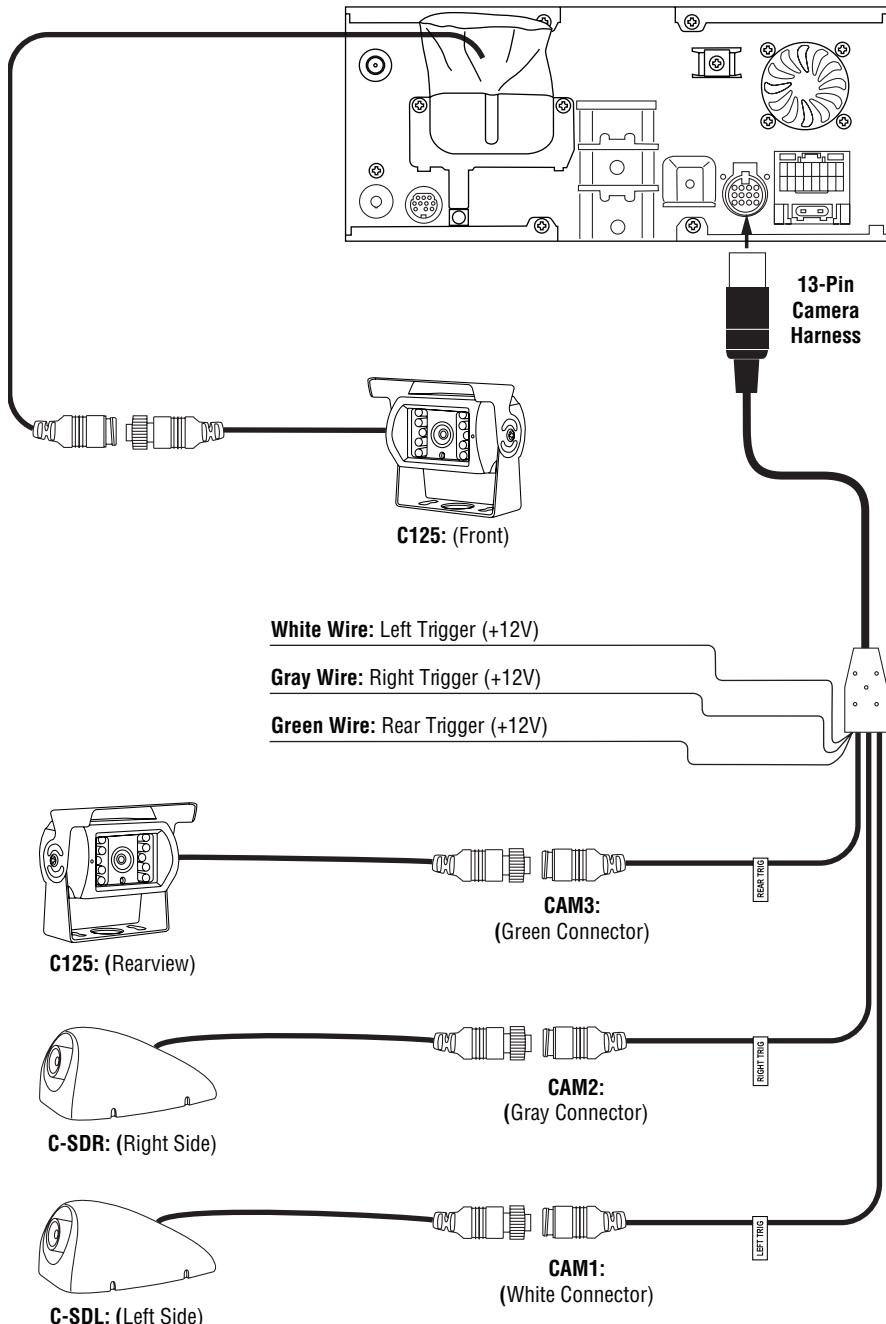
TV Monitor (Optional)

Note: Audio Output is not controlled by the M4-LCD



Video Second Monitor (Optional)

Camera Connections



Restart Button

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

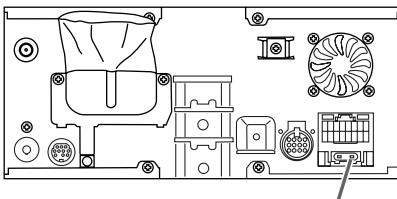
- The vehicle has been "jump started" from a dead battery condition.
- The vehicle battery becomes very low and is quick-charged.
- The vehicle battery is removed and replaced.

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



Replaceable Fuse

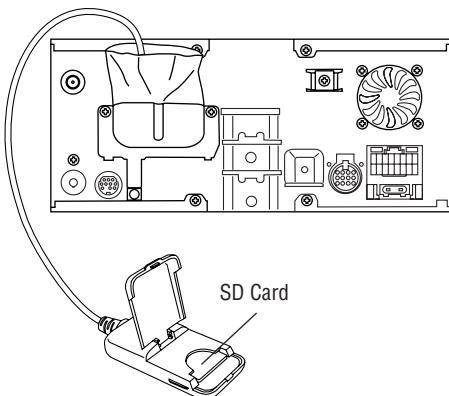
If the fuse should blow, check that the wiring is correct. If the wiring is correct, replace the fuse with the same amperage rating as the original (15 amp).



15 Amp
Replaceable Fuse

Rear SD Card Holder

1. Open cover.
2. Lightly press the SD card into the holder to release the card.
3. Reinsert the SD card until it clicks into place.
4. Close the cover.
5. Select the file from the SD card from the feature's setup screen.



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.

FCC Statement

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 Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.