



# X2DMA400

## INSTALLATION/OWNER'S MANUAL

AM/FM Receiver with Remote Control



## Preparation

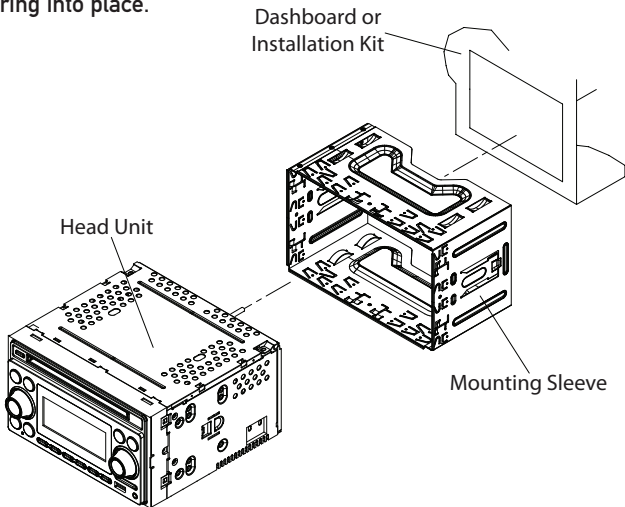
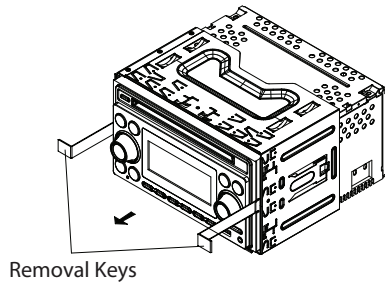
Please read entire manual before installation.

### Before You Start

- Disconnect negative battery terminal. Consult a qualified technician for instructions.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

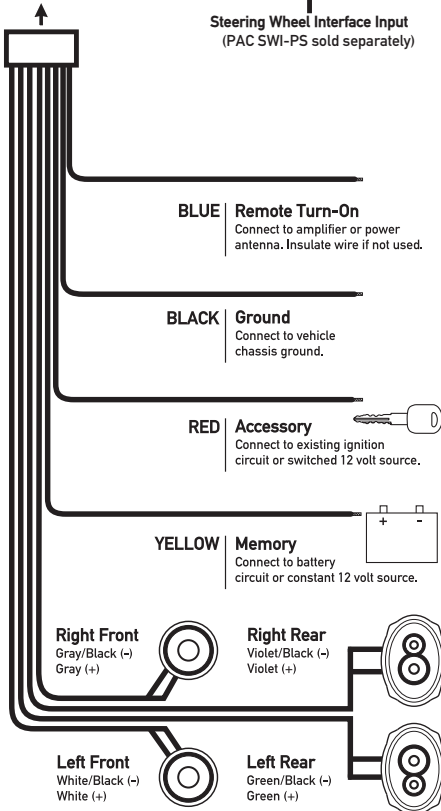
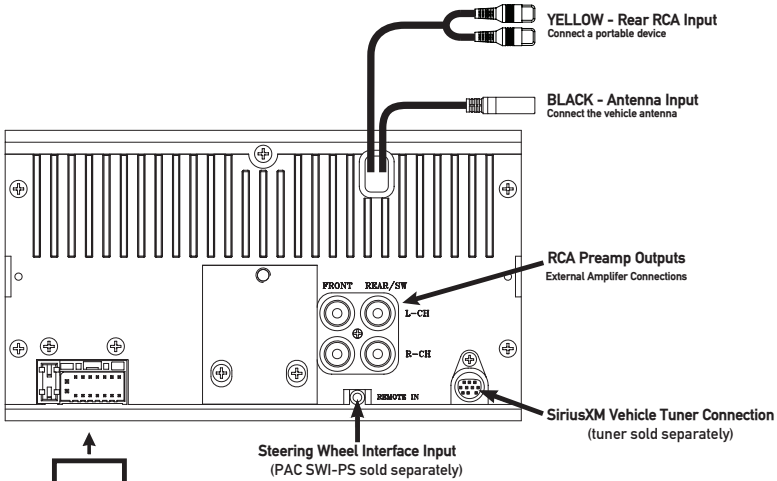
### Getting Started

- Remove trim ring from unit.
- Insert the supplied keys into the slots as shown, and slide the unit out of the mounting sleeve.
- Install mounting sleeve into opening, bending tabs to secure.
- Connect wiring harness and antenna. Consult a qualified technician if you are unsure.
- Certain vehicles may require an installation kit and/or wiring harness adapter (sold separately).
- Test for correct operation and slide unit into mounting sleeve to secure.
- Snap trim ring into place.



### TYPICAL FRONT-LOAD DIN MOUNTING METHOD

# Wiring Diagram



## FUSE

When replacing the fuse, make sure new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio. The X2DMA400 uses one 10 amp ATM fuse located beside the wiring connector.

## Control Locations - Receiver



1 Source / Power (⏻)

2 Eject

3 Mute / Tag

4 Display

5 Volume Knob

6 Back / Band

7 Select

8 Audio / Menu

9 Tuning Knob

10 Auxiliary Input

11 SD Card Slot

12 USB Port

13 Preset 6 / Folder Up

14 Preset 5 / Folder Down

15 Preset 4 / Play / Pause

16 Preset 3 / Intro

17 Preset 2 / Random

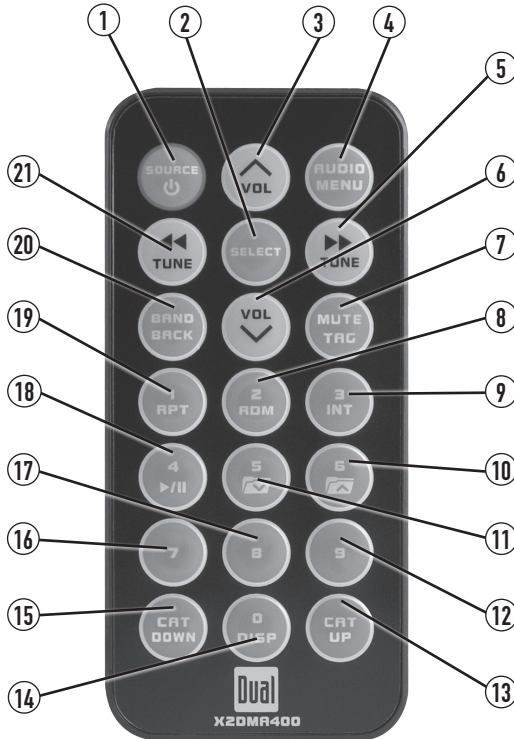
18 Preset 1 / Repeat

19 Tune / Track Up

20 Reset









21 Tune / Track Down

## Control Locations - Remote



- |                          |                           |
|--------------------------|---------------------------|
| ① Source / Power (⏻)     | ⑫ Key 9                   |
| ② Select                 | ⑬ Category Up (SXM)       |
| ③ Volume Up              | ⑭ Key 0 / Display         |
| ④ Audio / Menu           | ⑮ Category Down (SXM)     |
| ⑤ Tune / Track Up        | ⑯ Key 7                   |
| ⑥ Volume Down            | ⑰ Key 8                   |
| ⑦ Mute / Tag             | ⑱ Preset 4 / Play / Pause |
| ⑧ Preset 2 / Random      | ⑲ Preset 1 / Repeat       |
| ⑨ Preset 3 / Intro       | ⑳ Band / Back             |
| ⑩ Preset 6 / Folder Up   | ㉑ Tune / Track Down       |
| ⑪ Preset 5 / Folder Down |                           |

## General Operation

<b>Power On/Off</b>	Press  or any other button to turn unit on. Press and hold  to turn unit off.
<b>Source</b>	Press <b>SOURCE</b> to select one of the following audio sources:
	AM/FM Tuner Mode
	CD Player Mode
	Auxiliary Input (front/rear) Modes
	USB and Operation of iPod/iPhone Modes
	SD Card Mode
	SiriusXM Satellite Radio Mode
	When a source is selected, a red line will appear underneath the corresponding icon in the source indicator bar beneath the LCD.
<b>Available Modes</b>	SiriusXM mode will not appear unless the SiriusXM Connect Vehicle Tuner (sold separately) is connected.  Operation of iPod mode will not appear unless an iPod device (sold separately) has been connected.  CD, USB and SD modes will not appear unless a CD, USB device or SD card (sold separately) have been connected.
<b>Steering Wheel Interface Input</b>	The steering wheel interface input located on the back of the head unit allows connection to the PAC (Pacific Accessory Corporation) SWI-PS interface module (sold separately). Visit <a href="http://www.pac-audio.com">www.pac-audio.com</a> for details.  To configure steering wheel controls, follow the instructions provided with the PAC SWI-PS interface module. After installing the interface module, insert the module's 3.5mm jack into the port on the back of the head unit.

## General Operation

<b>Auxiliary Input</b>	Insert 3.5 mm plug to connect your portable audio device.
<b>Volume</b>	Adjust volume using <b>volume knob</b> (00-46).
<b>Mute</b>	Press <b>MUTE</b> to silence the audio. Press <b>MUTE</b> again to cancel.
<b>Reset</b>	Press the <b>RESET</b> button, located in the bottom left corner of the front panel, to reset the unit back to the factory settings if abnormal operation occurs.
<b>Display</b>	Press <b>DISP</b> to toggle between items such as clock, radio frequency, or ID3 tag song information.
<b>Set the Clock</b>	With the unit on, press and hold <b>DISP</b> until the clock begins to flash, then release. <ul style="list-style-type: none"><li>• Turn the <b>tuning knob</b> left to adjust the hours</li><li>• Turn the <b>tuning knob</b> right to adjust the minutes.</li></ul> Press <b>DISP</b> momentarily to save the selected time.
<b>12/24-Hour Clock</b>	The clock will display 12-hour AM/PM time in USA frequency spacing mode (PM 10:00). In European frequency spacing mode, the clock will display 24-hour time (22:00).



## Setup Menu

Press and hold **AUDIO/MENU** for more than 3 seconds to access the setup menu, then press **AUDIO/MENU** to cycle through menu options. When desired option appears in the display, rotate the **tuning knob** left/right to adjust or activate desired function. Press **BACK** to exit any menu or submenu.

Function	Options	Action
Auto Station Store	AUTO PGM STATIONS	Press SELECT to begin automatically programming strong radio stations to the 6 preset buttons in the current band. <b>(Tuner mode only)</b>
Local/Distance Tuning	LOCAL OFF	Activates distance tuning. <b>(Tuner mode only)</b>
	LOCAL ON	Activates local tuning for strong station reception only. <b>(Tuner mode only)</b>
Tuner Frequency Spacing	FREQ USA	Programs the unit to USA tuner spacing. (200kHz for FM and 10kHz for AM). <b>(Tuner mode only)</b>
	FREQ EUR	Programs the unit to European tuner spacing. (50kHz for FM and 9kHz for AM). <b>(Tuner mode only)</b>
Selectable iPod Control	IPOD CNT FULL	Programs the head unit to advanced control of the iPod/iPhone device.
	IPOD CNT MANUAL	Programs the head unit to basic control of the iPod/iPhone device and allows music to be controlled from the iPod/iPhone device.
Loudness Curve	LOUD OFF	Disables the loudness function.
	LOUD ON	Enables the loudness function. Activating this feature will enhance the bass and treble frequencies when listening to music at low volumes.
Clock Display	CLOCK OFF	Programs unit to not display the clock when the power is off.
	CLOCK ON	Programs unit to display the clock when the power is off.
Front Auxiliary Input	AUX FRNT ON	Enables the front panel 3.5mm auxiliary input.
	AUX FRNT OFF	Disables the front panel 3.5mm auxiliary input.
Rear Auxiliary Input	AUX REAR ON	Enables the rear RCA auxiliary input.
	AUX REAR OFF	Disables the rear RCA auxiliary input.
Subwoofer	SUBWFR SUB	Sets the Rear/Sub RCA output to Subwoofer.
	SUBWFR REAR	Sets the Rear/Sub RCA output to Rear Speakers.
Beep Confirmation	BEEP OFF	Disables the confirmation beep.
	BEEP ON	Enables the confirmation beep.
Programmable Turn On Volume	PROG-VOL #	Programs unit to always turn on at a specific volume (default is OFF). Any volume level 1-46 can be selected.
Power on Message	MESSAGE OFF	Disables power on message. (example: GOOD MORNING)
	MESSAGE ON	Enables power on message to be displayed.
Scrolling Option	SCROLL 15 SEC	Programs unit to scroll information once every 15 seconds.
	SCROLL ONCE	Programs unit to scroll once, then show first 8 characters on display.
	SCROLL ON	Programs unit to scroll continuously.
	SCROLL OFF	Programs unit to show the first 8 characters on the display.
Illumination Dimmer	DIMMER HIGH	Programs unit to the brightest illumination level.
	DIMMER MEDIUM	Programs unit to the middle illumination level.
	DIMMER LOW	Programs unit to the dimmest illumination level.
Demonstration Mode	DEMO OFF	Disables the demonstration mode.
	DEMO ON	Enables the demonstration message.
SiriusXM Setup	(Press SELECT)	See page 23 for menu options.



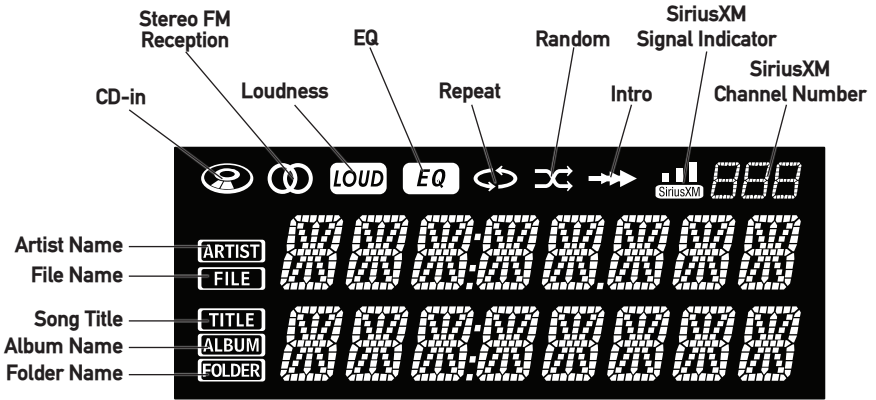
## Audio Menu

Press **AUDIO/MENU** momentarily to cycle between Bass, Treble, Balance, Fader, Equalizer, \*Subwoofer, and Source Volume Level. Press **BACK** at any time to exit the audio menu.

→ **BASS** → **TREBLE** → **BALANCE** → **FADER** → **EQ** → **SUBWOOFER** → **SOURCE LEVEL** →

Bass	Press <b>AUDIO/MENU</b> until <b>BASS</b> appears, then rotate the <b>tuning knob</b> left/right to adjust (-6 minimum / +6 maximum).
Treble	Press <b>AUDIO/MENU</b> until <b>TREBLE</b> appears, then rotate the <b>tuning knob</b> left/right to adjust (-6 minimum / +6 maximum).  Note: Bass and Treble settings are retained for each mode individually.
Balance	Press <b>AUDIO/MENU</b> until <b>BALANCE</b> appears, then rotate the <b>tuning knob</b> left/right to adjust (BALANCE LEFT 12 to BALANCE RIGHT 12). "BALANCE EVEN" represents equal balance.
Fader	Press <b>AUDIO/MENU</b> until <b>FADER</b> appears, then rotate the <b>tuning knob</b> left/right to adjust (FADER FRONT 12 to FADER REAR 12). "FADER EVEN" represents equal fader.
EQ	Press <b>AUDIO/MENU</b> until <b>EQ</b> appears. Rotate the <b>tuning knob</b> left/right to select between FLAT (default), POP, JAZZ, CLASSIC, BEAT, ROCK and USER equalization curves. Press <b>SELECT</b> to confirm. Any manual adjustment to the Bass or Treble settings are automatically saved as USER.
*Subwoofer	Press <b>AUDIO/MENU</b> until <b>SUBWFR</b> appears, then press <b>SELECT</b> to confirm. Rotate the <b>tuning knob</b> left/right to adjust (0-12). Adjusting the level to 0 turns the subwoofer off.  * Note: Subwoofer option will not appear if the "Subwoofer" option in the setup menu is set to REAR. Refer to page 8 for details.
Source Volume Level	The source volume level control allows a gain adjustment for each audio source. Set the source volume level for each mode, depending on the relative volume of each audio source.  To set the source volume level, press <b>AUDIO/MENU</b> until "SOURCE LEVEL" appears. After one second, the current mode will appear on the display. Turn the <b>tuning knob</b> to adjust the audio level of the current source (-6 minimum/+6 maximum).  <b>Note:</b> Only the current mode will be available for adjustment. Change to another mode to set the source level for that mode.

## LCD Icon Layout





## AM/FM Tuner Operation

<b>Seek Tuning</b>	Press <b>TUNE</b> ◀◀ or <b>TUNE</b> ▶▶ to seek the next strong station.
<b>Manual Tuning</b>	Rotate the <b>tuning knob</b> to move radio frequency up or down one step at a time.
<b>Tuning - Remote Control</b>	Using the remote control: <ul style="list-style-type: none"> <li>• Press <b>TUNE</b> ◀◀ or <b>TUNE</b> ▶▶ momentarily to perform Manual Tuning.</li> <li>• Press and hold <b>TUNE</b> ◀◀ or <b>TUNE</b> ▶▶ for 1 second, then release then release, to perform Seek Tuning.</li> </ul>
<b>Band</b>	Press <b>BAND</b> to select between FM1, FM2, FM3, AM1 and AM2 bands. Up to six presets can be programmed for each band.
<b>Storing and Recalling Station Presets</b>	Up to 18 FM stations and 12 AM stations can be stored in memory. <p>To store a station, select the desired band and station. Press and hold the desired preset button (1-6) for more than two seconds. When stored, the preset number will appear in the display.</p> <p>The station can be recalled by pressing the corresponding preset button.</p>

## CD Player Operation

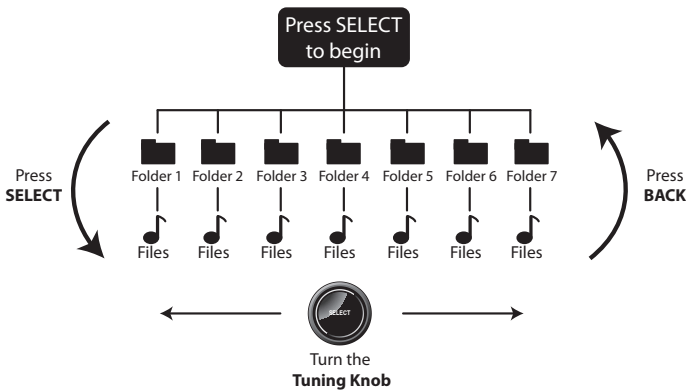
<b>Insert CD</b>	With the label facing up, insert a standard size CD into the CD slot. The CD will automatically begin playback.
<b>Eject CD</b>	Press <b>EJECT</b> to eject the CD. The unit will change to previous mode of operation. If the disc is not removed within 10 seconds, the unit will reload the disc. The unit does not have to be turned on to eject CD.
<b>Track Select</b>	Rotate <b>tuning knob</b> right to skip to the beginning of the next track. Rotate <b>tuning knob</b> left to return to the beginning of the current track. Rotate <b>tuning knob</b> left again to skip to the beginning of the previous track.
<b>Fast Forward/Reverse</b>	Press and hold <b>TRACK ►►</b> or <b>TRACK ◄◄</b> to fast forward or reverse a track.
<b>Pause</b>	Press <b>►/  </b> to temporarily stop CD playback. Press <b>►/  </b> again to resume playback.
<b>Intro</b>	Press <b>INT</b> to enter the Intro menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• OFF - Cancels the <b>INT</b> function.</li> <li>• ALL - Plays the first 10 seconds of each track.</li> </ul>
<b>Repeat</b>	Press <b>RPT</b> to enter the Repeat menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• ALL - Plays all tracks on CD.</li> <li>• ONE - Continuously repeats selected track.</li> </ul>
<b>Random</b>	Press <b>RDM</b> to enter the Random menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• OFF - Cancels the <b>RDM</b> function.</li> <li>• ALL - Plays all tracks in random order.</li> </ul>
<b>CD-R/CD-RW Compatibility</b>	Some CD-Rs and CD-RWs may be incompatible with this unit, depending on media type and recording method. In addition, the following CDs may be incompatible with this unit: <p>CDs exposed to extreme temperatures or direct sunlight for extended periods of time. CDs recorded in which a recording session failed or a re-recording was attempted and, or encrypted or copy-protected CDs which do not conform to the audio CD-DA red book recording standard.</p>

## CD Player Operation - MP3/WMA Files

<b>MP3/WMA Discs</b>	When an MP3/WMA encoded disc is first inserted, "READING" will appear in the display. Depending on the number of files and folders, this may take several seconds.																
<b>Folder Access</b>	Press  to select the next folder. Press  to select the previous folder.																
<b>Repeat</b>	Press <b>RPT</b> to enter the Repeat menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• ALL - Plays all tracks on CD.</li> <li>• ONE - Continuously repeats selected track.</li> <li>• FOLDER - Continuously repeats all files in the folder.</li> </ul>																
<b>Random</b>	Press <b>RDM</b> to enter the Random menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• OFF - Cancels the <b>RDM</b> function.</li> <li>• ALL - Plays all tracks in random order.</li> <li>• FOLDER - Plays all tracks in the folder in random order.</li> </ul> <p><b>Note:</b> Random mode is retained in memory when selecting between other modes and when the unit is turned on/off.</p>																
<b>Intro</b>	Press <b>INT</b> to enter the Intro menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• OFF - Cancels the <b>INT</b> function.</li> <li>• ALL - Plays first 10 seconds of each track.</li> <li>• FOLDER - Plays first 10 seconds of each track in folder.</li> </ul> <p><b>Note:</b> Folder repeat, random and intro options only function on MP3/WMA discs recorded with more than one folder.</p>																
<b>Displaying Information</b>	Press <b>DISP</b> momentarily to select between artist/song title (default), file/folder name, track number/clock & elapsed time.																
	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 15%; text-align: right;">(LINE 1)</td> <td style="width: 20%; text-align: center;">ARTIST</td> <td style="width: 10%; text-align: center;">→</td> <td style="width: 20%; text-align: center;">FILE NAME</td> <td style="width: 10%; text-align: center;">→</td> <td style="width: 20%; text-align: center;">ELAPSED TIME</td> <td style="width: 10%; text-align: center;">→</td> <td style="width: 15%; text-align: center;">TRACK NUMBER</td> </tr> <tr> <td style="text-align: right;">(LINE 2)</td> <td style="text-align: center;">SONG TITLE</td> <td></td> <td style="text-align: center;">FOLDER NAME</td> <td></td> <td style="text-align: center;">CLOCK</td> <td></td> <td style="text-align: center;">TOTAL TRACKS</td> </tr> </table> </div>	(LINE 1)	ARTIST	→	FILE NAME	→	ELAPSED TIME	→	TRACK NUMBER	(LINE 2)	SONG TITLE		FOLDER NAME		CLOCK		TOTAL TRACKS
(LINE 1)	ARTIST	→	FILE NAME	→	ELAPSED TIME	→	TRACK NUMBER										
(LINE 2)	SONG TITLE		FOLDER NAME		CLOCK		TOTAL TRACKS										
	"NO ARTIST" or "NO TITLE" will be displayed if the file contains no ID3 tag information.																
	"ROOT" will be displayed if the directory name of a root folder is not labeled.																

## CD Player Operation - MP3/WMA Files

<b>File/Folder Search</b>	Press <b>SELECT</b> to enter the file/folder search mode. A list of all the folders from the CD will be displayed.
<b>Choose a Folder</b>	Turn the <b>tuning knob</b> to cycle through all the folders on the CD, and press <b>SELECT</b> to choose the desired folder. The list of files in the selected folder will be displayed. Turn the <b>tuning knob</b> to cycle through the list of files.
<b>Menu Navigation</b>	Pressing <b>BACK</b> when viewing the contents of a folder will return to the list of folders on the CD. Press <b>BACK</b> again to exit the search menu.
<b>Playing a Song</b>	Once the desired song is displayed, press <b>SELECT</b> to begin playback of the desired song.





# CD Player Operation - MP3/WMA Files

## File/Folder Compatibility and Support

<b>Compatible File Types</b>	<ul style="list-style-type: none"><li>• CD-ROM (ISO), CD-R, CD-RW</li><li>• CD-DA (digital audio)</li><li>• MP3 data (.mp3)</li><li>• WMA data (.wma)</li></ul>
<b>Incompatible File Types</b>	<ul style="list-style-type: none"><li>• AAC data (.m4a)</li><li>• WAV lossless</li><li>• FLAC lossless</li><li>• OGG data</li><li>• DRM protected files</li><li>• WMA lossless</li><li>• Apple lossless</li><li>• WMA Pro</li><li>• MP3 Pro</li><li>• MP3 playlists</li></ul>
<b>Recording Format Compatibility</b>	<ul style="list-style-type: none"><li>• ISO9660 level 1 &amp; level 2</li><li>• Yellow book MODE 1 &amp; MODE 2 FORM 1</li><li>• Multi session</li></ul>
<b>Sampling Frequency Rate Compatibility</b>	<ul style="list-style-type: none"><li>• MP3: 8kHz ~ 48kHz</li><li>• WMA: 32kHz ~ 48kHz</li></ul>
<b>Transfer Bit Rate Compatibility</b>	<ul style="list-style-type: none"><li>• MP3: 32kbps ~ 320kbps</li><li>• WMA: 32kbps ~ 192kbps</li></ul>
<b>Character Support</b>	<ul style="list-style-type: none"><li>• Song Title: 32 characters</li><li>• Artist Name: 32 characters</li><li>• Album Name: 32 characters</li><li>• File Name: 32 characters</li><li>• Folder Name: 32 characters</li></ul>
<b>ID3 Tag Support</b>	<ul style="list-style-type: none"><li>• MP3 Tags: Version 1.0 ~ 2.4</li><li>• WMA Tags</li></ul>
<b>File/Folder Limit</b>	<ul style="list-style-type: none"><li>• Maximum files: 999</li><li>• Maximum folders: 255</li><li>• Maximum folder levels: 8</li></ul>

## Operation of iPod/iPhone

### Connecting an iPod/iPhone Device

#### USB Connection



Using the "dock connector to USB" sync cable (provided with the iPod/iPhone device), plug the USB cable into the X2DMA400's USB port. Once connected, playback will begin automatically.

### Controlling a Device: Full Control

When the control of iPod/iPhone feature is set to "FULL" in the iPod Menu, use the following functions to control the device:

<b>Song Select</b>	Rotate <b>tuning knob</b> right to skip to the beginning of the next track. Rotate <b>tuning knob</b> left to return to the beginning of the current track. Rotate <b>tuning knob</b> left again to skip to the beginning of the previous track.
<b>Fast Forward and Reverse</b>	Press and hold ►► or ◀◀ to fast forward or reverse a song.
<b>Pause</b>	Press ►   to temporarily stop playback. Press ►   again to resume playback.
<b>Repeat</b>	Press RPT to enter the Repeat menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• ALL - Repeats all tracks.</li> <li>• SONG - Repeats selected track.</li> </ul>
<b>Random</b>	Press RDM to enter the Random menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• OFF - Cancels the RDM function.</li> <li>• ALL - Plays all tracks in random order.</li> <li>• ALBUM - Plays all tracks in the selected album in random order.</li> </ul>
<b>Intro</b>	Press INT to enter the Intro menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"> <li>• OFF - Cancels the INT function.</li> <li>• ON - Plays first 10 seconds of each track.</li> </ul>



# Operation of iPod/iPhone

## Controlling a Device: Full Control - Music Search Menu

The X2DMA400 features a powerful music search that simplifies the searching process. Follow the steps below to find the desired song:

- Begin Searching** | Press **SELECT** to begin the search. The main search menu will appear.
- Select a Category** | Turn the **tuning knob** to select between **artists, albums, songs, playlists, podcasts and audiobooks**. Press **SELECT** to select the desired search category. Some categories have subcategories to navigate through. See the table below for details.

Search Category	Menu Navigation
Artists	Menu ➔ Artists ➔ Albums ➔ Songs
Albums	Menu ➔ Albums ➔ Songs
Songs	Menu ➔ Songs
Playlists	Menu ➔ Playlists ➔ Songs
Podcasts	Menu ➔ Podcasts
Audiobooks	Menu ➔ Audiobooks

- Step Backwards** | Press **BACK** to return to the previous menu, or exit the search menu when the main menu is shown.
- Playing a Song** | Navigate to the desired song/podcast/audiobook and press **SELECT** to begin playback.  
**Note:** If a specific category is selected, the iPod/iPhone device playback will be limited to that category until another category is selected in the search menu.

## Displayed Information

**Displaying Information** | Press **DISP** momentarily to select file/folder name (default), song title/artist, track number/clock & elapsed time.



- Character Support** | Maximum character display information
  - \*Song Title – 32 character maximum
  - \*Artist Name – 32 character maximum
  - \*Album Name – 32 character maximum

\*Song Title, Artist Name and Album Name will only be displayed if included with the file.



## Operation of iPod/iPhone

### Controlling a Device: Manual Control

When the control of iPod/iPhone feature is set to "MANUAL" in the iPod Menu, use the following functions to control the device:



<b>Manual Control for iPod</b>	When "MANUAL" control is selected from the iPod Menu, the iPod or iPhone device can be controlled directly from the device's interface. All functions except for volume can be used from the iPod or iPhone device.
<b>Basic Head Unit Control</b>	In addition to manual control of the iPod/iPhone device, the following basic functions are still active:
<b>Song Select</b>	Rotate <b>tuning knob</b> right to skip to the beginning of the next song. Rotate <b>tuning knob</b> left to return to the beginning of the current song. Rotating <b>tuning knob</b> left again skips to the beginning of the previous song.
<b>Pause</b>	Press ►/   to temporarily stop playback. Press ►/   again to resume playback.
<b>Volume</b>	When playing an iPod device, the volume is adjustable using the <b>volume knob</b> .

### Device Compatibility

<b>Made for</b>	<ul style="list-style-type: none"> <li>• iPod touch (4th generation)</li> <li>• iPod touch (3rd generation)</li> <li>• iPod touch (2nd generation)</li> <li>• iPod classic</li> <li>• iPod nano (6th generation)</li> <li>• iPod nano (5th generation)</li> <li>• iPod nano (4th generation)</li> <li>• iPhone 4</li> <li>• iPhone 3GS</li> <li>• iPhone 3G</li> </ul>
-----------------	--



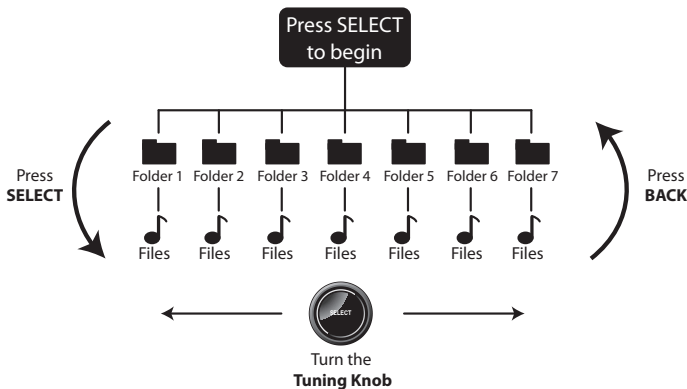
# USB/SD Card Operation

<b>Connecting a USB Device</b> (sold separately)	To play MP3/WMA files from most mass storage devices, connect a device to the X2DMA400's USB port.
<b>Connecting a SD Card</b> (sold separately)	To play MP3/WMA files from an SD Card, insert an SD card into the X2DMA400's SD card slot with the label facing up, and press the card until it clicks into place. Remove the SD card by pressing in until it clicks, then pull to remove.
<b>Playing Music</b>	When a USB or SD card device is first connected, playback will begin momentarily. Depending on the number of files and folders, it may take several seconds for the device to begin playing. If no valid MP3/WMA files are detected, "NO FILE" will be displayed.
<b>Track Select</b>	Rotate <b>tuning knob</b> right to skip to the beginning of the next track. Rotate <b>tuning knob</b> left to return to the beginning of the current track. Rotate <b>tuning knob</b> left again to skip to the beginning of the previous track.
<b>Fast Forward and Reverse</b>	Press and hold <b>TRACK ►►</b> or <b>TRACK ◄◄</b> to fast forward or reverse a track.
<b>Pause</b>	Press <b>►/  </b> to temporarily stop USB playback. Press <b>►/  </b> again to resume playback.
<b>Folder Access</b>	Press  to select the previous folder. Press  to select the next folder.  <b>Note:</b> Folder access is only available on USB/SD Card devices with more than one folder.
<b>Repeat</b>	Press <b>RPT</b> to enter the Repeat menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"><li>• ALL - Plays all tracks on the USB/SD Card device.</li><li>• ONE - Continuously repeats selected track.</li><li>• FOLDER - Continuously repeats all files in selected folder.</li></ul>
<b>Random</b>	Press <b>RDM</b> to enter the Random menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"><li>• OFF - Cancels the <b>RDM</b> function.</li><li>• ALL - Plays all tracks in random order.</li><li>• FOLDER - Plays all tracks in folder in random order.</li></ul> <b>Note:</b> Random mode is retained in memory when selecting between other modes and when the unit is turned on/off.
<b>Intro</b>	Press <b>INT</b> to enter the Intro menu, then turn the <b>tuning knob</b> to select one of the following options: <ul style="list-style-type: none"><li>• OFF - Cancels the <b>INT</b> function.</li><li>• ALL - Plays first 10 seconds of each track.</li><li>• FOLDER - Plays first 10 seconds of each track in folder.</li></ul>

# USB / SD Card Operation

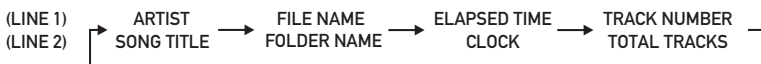
## File and Folder Search

- Begin Searching** Press **SELECT** to enter the file/folder search mode. A list of all the folders from the USB/SD device will be displayed.
- Note:** Any files located in the root directory will be located in the folder named "ROOT".
- Choose a Folder** Turn the **tuning knob** to cycle through all the folders on the device, and press **SELECT** to choose the desired folder. The list of files in the selected folder will be displayed. Turn the **tuning knob** to cycle through the list of files.
- Menu Navigation** Pressing **BACK** when viewing the contents of a folder will return to the list of folders on the USB device. Press **BACK** again to exit the search menu.
- Playing a Song** Once the desired song is displayed, press **SELECT** to begin playback of the desired song.



## Displayed Information

Press **DISP** momentarily to select between artist/song title (default), file/folder name track number/clock & elapsed time.





# USB / SD Card Operation

## File/Folder Compatibility and Support

<b>Compatible File Types</b>	<ul style="list-style-type: none"><li>• CD-ROM (ISO), CD-R, CD-RW</li><li>• CD-DA (digital audio)</li><li>• MP3 data (.mp3)</li><li>• WMA data (.wma)</li></ul>
<b>Incompatible File Types</b>	<ul style="list-style-type: none"><li>• AAC data (.m4a)</li><li>• WAV lossless</li><li>• FLAC lossless</li><li>• OGG data</li><li>• DRM protected files</li><li>• WMA lossless</li><li>• Apple lossless</li><li>• WMA Pro</li><li>• MP3 Pro</li><li>• MP3 playlists</li></ul>
<b>Recording Format Compatibility</b>	<ul style="list-style-type: none"><li>• ISO9660 level 1 &amp; level 2</li><li>• Yellow book MODE 1 &amp; MODE 2 FORM 1</li><li>• Multi session</li></ul>
<b>Sampling Frequency Rate Compatibility</b>	<ul style="list-style-type: none"><li>• MP3: 8kHz ~ 48kHz</li><li>• WMA: 32kHz ~ 48kHz</li></ul>
<b>Transfer Bit Rate Compatibility</b>	<ul style="list-style-type: none"><li>• MP3: 32kbps ~ 320kbps</li><li>• WMA: 32kbps ~ 192kbps</li></ul>
<b>Character Support</b>	<ul style="list-style-type: none"><li>• Song Title: 32 characters</li><li>• Artist Name: 32 characters</li><li>• Album Name: 32 characters</li><li>• File Name: 32 characters</li><li>• Folder Name: 32 characters</li></ul>
<b>ID3 Tag Support</b>	<ul style="list-style-type: none"><li>• MP3 Tags: Version 1.0 ~ 2.4</li><li>• WMA Tags</li></ul>
<b>File/Folder Limit</b>	<ul style="list-style-type: none"><li>• Maximum number of files: 50000</li><li>• Maximum number of folders: 255 (plus the root folder)</li><li>• Maximum number of files in each folder: 50000</li></ul> <p><b>Note:</b> For devices with more than the maximum number of files/folders, some files will be ignored and may not function properly.</p>
<b>USB/SD File System</b>	<ul style="list-style-type: none"><li>• FAT/FAT32 file system supported.</li><li>• HFS/NTFS/EXT2/EXT3 not supported.</li></ul>
<b>SD Card Capacity</b>	16GB or less supported.

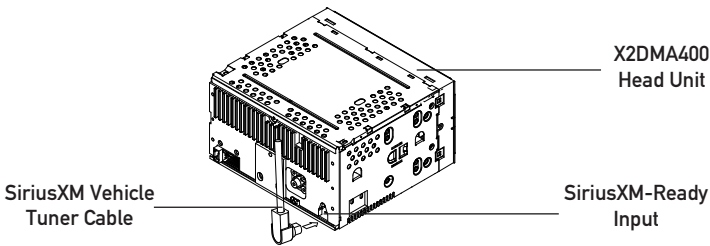
## SiriusXM Vehicle Tuner Connections

### Connecting the SiriusXM Vehicle Tuner (sold separately)

SiriusXM Satellite Radio operation requires the connection of the SiriusXM-Connect Vehicle Tuner (sold separately).

**Note:** The SiriusXM-Connect Vehicle Tuner must have the SiriusXM logo to be compatible with the X2DMA400.

To connect the SiriusXM Vehicle Tuner, follow the instructions provided with the tuner. When connecting the tuner to the X2DMA400, the cable orientation should be connected as shown below.



Line up the connector with the pins on the cable. It can only be inserted as shown above. Push the cable into the head unit's connector until it clicks. Attempting to insert the cable differently from shown above may cause damage to the cable or head unit.

## SiriusXM Vehicle Tuner Operation

### SiriusXM Satellite Radio Overview

Everything worth listening to is on SiriusXM, getting over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Vehicle Tuner (sold separately) and Subscription are required. For more information, visit [www.siriusxm.com](http://www.siriusxm.com).

Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. and its subsidiaries. All other marks and logos are the property of their respective owners. All rights reserved.

### Tuner Activation

To listen to SiriusXM Satellite Radio, a subscription is required. Activate the SiriusXM Vehicle Tuner using one of the two methods below:

- **Online:** Go to [www.siriusxm.com](http://www.siriusxm.com) and choose ACTIVATE RADIO.
- **Phone:** Call 1-800-XM-RADIO (1-800-967-2346).

Activation typically takes 10-15 minutes, but may take up to an hour. It is recommended to leave your vehicle on until the "Subscription Updated" message appears.



# SiriusXM Vehicle Tuner Operation

<b>Radio ID</b>	<p>To view the Radio ID on the LCD, turn the <b>tuning knob</b> left or right until <b>channel 0</b> appears. The 8 character Radio ID will appear on the display. The Radio ID is also printed on the underside of the SiriusXM Vehicle Tuner.</p> <p><b>Note:</b> The Radio ID does not use the letters I, O, S, F.</p>
<b>Listening to SiriusXM Satellite Radio</b>	<p>After installation of the SiriusXM Vehicle Tuner, press <b>SOURCE</b> until SiriusXM mode appears to begin listening to SiriusXM Satellite Radio.</p>
<b>Changing Channels</b>	<p>Turn the <b>tuning knob</b> left/right to change SiriusXM channels.</p>
<b>Band</b>	<p>Press <b>BAND</b> to select between the SXM1, SXM2 and SXM3 bands. Up to six presets can be programmed for each band, for a total of 18 SiriusXM Satellite Radio channel presets.</p>
<b>Setting Channel Presets</b>	<p>To store a channel, choose the desired Band (SXM1-SXM3), then tune to the desired channel. Press and hold the desired preset button (1-6) on the front panel or remote control for more than two seconds. When stored, a beep sound will be heard and the preset number will appear in the display.</p>
<b>Recalling Channel Presets</b>	<p>The preset channel can be recalled by pressing the corresponding preset button.</p> <p><b>Note:</b> Buttons 7,8,9,0 on the remote control are not associated with channel presets.</p>
<b>Channel Search List</b>	<p>Browse through a list of all available channels.</p> <ul style="list-style-type: none"><li>• Press <b>SELECT</b> to begin browsing the channel list.</li><li>• Turn the <b>tuning knob</b> to cycle through the list of channels.</li><li>• Press <b>SELECT</b> to begin listening to the highlighted channel.</li></ul> <p><b>Note:</b> Press <b>DISP</b> to change between the channel name, artist name, song title or content info.</p>
<b>Category Search</b>	<p>Browse through a list of categories, and choose a channel in the desired category.</p> <ul style="list-style-type: none"><li>• To begin, press <b>TRACK ►►</b> or <b>TRACK ◄◄</b> to cycle through a list of categories. Category search can also be performed by pressing <b>CAT UP</b> or <b>CAT DOWN</b> on the remote control.</li><li>• Once the desired category is displayed, turn the <b>tuning knob</b> to browse all the channels in the selected category.</li><li>• Press <b>SELECT</b> to begin listening to the currently displayed channel.</li></ul>

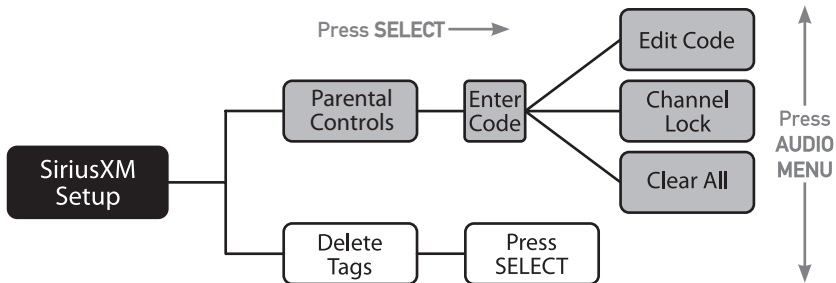
# SiriusXM Vehicle Tuner Operation

## SiriusXM Setup Menu

To access the SiriusXM setup menu options, press and hold **AUDIO/MENU** for more than 3 seconds, press **AUDIO/MENU** to cycle through menu options until "SIRIUSXM SETUP" appears, then press **SELECT**. Press **AUDIO/MENU** to cycle through the list of submenu options.

Function	Action	Options	Description
Parental Controls	*Enter Code (default: 0000)	EDIT CODE	Choose this option to program a new 4-digit code. Enter the new code using the input method described below*.
		CHANNEL LOCK	Allows channels to be locked, requiring the 4-digit code to be entered before the channel becomes available in the channel lineup. Once selected, the channel list will appear. <ul style="list-style-type: none"> <li>• Turn the <b>tuning knob</b> to cycle through the list of channels</li> <li>• Press <b>SELECT</b> to lock the desired channel.</li> <li>• Pressing <b>SELECT</b> on a locked channel will unlock it.</li> </ul>
		CLEAR ALL	Choose this option to reset the locked channels back to the factory default. All currently subscribed channels will be unlocked.
Delete Tags (iTunes Tagging)	Press <b>SELECT</b> to confirm		Deletes all Tags that are saved in memory. (Does not affect Tags that have been transferred to an iPod device.)

## SiriusXM Setup Menu Navigation



\*To enter a 4 digit code, choose from the two options below:

- Enter the 4 digit code using the remote control, by pressing the numbers directly. The default code is "0000" if the code has not be changed with the "EDIT CODE" feature. Press **SELECT** to confirm.
- Turn the **tuning knob** to select the first digit, then press **SELECT**. Continue with the remaining digits until all 4 digits have been entered. Press **SELECT** to confirm.



# SiriusXM Vehicle Tuner Operation

## Displayed Information

<b>Display</b>	Press <b>DISP</b> to cycle between the following options: (LINE 1) CHANNEL NAME → ARTIST → CONTENT INFO (LINE 2) CATEGORY → SONG → CLOCK
<b>CHANNEL</b>	Displays the name of the SiriusXM channel.
<b>CATEGORY</b>	Displays the category type of the current channel.
<b>ARTIST</b>	Displays the artist's name from the currently playing song.
<b>TITLE</b>	Displays the song title from the currently playing song.
<b>INFO</b>	Displays special channel information from the current channel.

## SiriusXM Advisory Messages

Message	Description
<b>CHECK TUNER</b>	<ul style="list-style-type: none"> <li>Check the SiriusXM tuner connection behind the X2DMA400 to ensure that its correctly connected.</li> </ul>
<b>CHECK ANTENNA</b>	<ul style="list-style-type: none"> <li>Ensure the SiriusXM antenna cable is connected to the SiriusXM tuner correctly.</li> <li>Check the SiriusXM antenna wire for breaks or sharp bends. Replace the antenna if necessary.</li> <li>Press <b>RESET</b> located on the bottom right corner of the front panel. If the message remains, the antenna may have been damaged.</li> </ul>
<b>NO SIGNAL</b>	<ul style="list-style-type: none"> <li>The vehicle must be outside, and the antenna must have a clear view of the southern sky.</li> <li>The magnetic antenna must be mounted on the outside of the vehicle for the best reception.</li> </ul>
<b>CHANNEL UNSUB</b>	<ul style="list-style-type: none"> <li>This channel is not included in your SiriusXM subscription plan. Call 1-800-XM-RADIO (1-800-967-2346) to subscribe.</li> </ul>
<b>CHANNEL UNAVAIL</b>	<ul style="list-style-type: none"> <li>This channel is not a valid SiriusXM channel. The channel number has been entered incorrectly, or the channel was removed from the SiriusXM channel lineup.</li> </ul>
<b>CHANNEL LOCKED</b>	<ul style="list-style-type: none"> <li>The selected channel has been locked by the parental control option.</li> <li>A prompt to enter the unlock code will appear. Enter the unlock code as described on page 22.</li> </ul>
<b>SUBSCRIP UPDATED</b>	<ul style="list-style-type: none"> <li>An update to your SiriusXM subscription has been received by the SiriusXM tuner. Press any key to continue.</li> </ul>



## iTunes® Tagging Operation

Requirements	The iTunes Tagging feature of the X2DMA400 requires the optional SiriusXM Vehicle Tuner (sold separately).
Overview	<p>iTunes Tagging allows the user to "Tag" songs that are playing on SiriusXM Satellite Radio channel and enables them to be purchased later through iTunes. With the touch of a button the unit will remember the title and artist song information, and then transfer that information to your iPod device the next time you connect it to the X2DMA400. A new list called "Tagged" will appear in iTunes, giving you the option to purchase each song.</p>
<h3>Tagging Music</h3>	
Step 1	<p><b>Tune to a SiriusXM channel.</b> The MUTE/TAG button will illuminate red, indicating that a valid artist name and song title are available.</p>
Step 2	<p><b>Press and hold the MUTE/TAG button.</b> A confirmation will be displayed, indicating that the song information has been saved. The song information will be saved in memory until an iPod device is plugged in. Up to 64 SiriusXM Tags can be saved before they must be transferred or deleted.</p>
Step 3	<p><b>Transfer Tags to an iPod/iPhone.</b></p> <ul style="list-style-type: none"> <li>• Connect an iPod/iPhone device. The mode will change to operation of iPod and Tags will be automatically transferred to the device, removing the Tags from the X2DMA400's internal memory. A confirmation message will appear confirming the number of tags sent. The X2DMA400 must remain in operation of iPod mode until the "TAGS SENT" message is displayed.</li> <li>• If an iPod/iPhone device is connected when a song is tagged, Tags will transfer automatically to the device. The unit must remain in SiriusXM mode until the "TAGS SENT" message is displayed. (See page 17 for compatibility with iPod devices.)</li> </ul> <p><b>Note:</b> Tags can only be sent from SiriusXM or operation of iPod modes.</p>
Step 4	<p><b>Sync with iTunes.</b> A list named "Tagged" will appear on the left in the iTunes software. Click on the "Tagged" list to view all the songs that have been tagged and click the "view" button for purchase information.</p>
Deleting All Tags	<p>Press and hold AUDIO/MENU to enter the setup menu and select the "Delete Tags" option. See page 22 for details.</p> <p><b>Note:</b> Once transferred, Tags are managed from the iTunes software.</p>



# iTunes® Tagging Operation

## Troubleshooting

Displayed Message	Description
<b>CHECK iPod VER</b>	There is a compatibility issue with the iPod device that is connected. Check the list of compatible iPod devices below. If the attached iPod device is compatible, update the firmware to the latest version using iTunes.
<b>SENDING TAGS</b>	Tags are being sent to the iPod device. This process can take several minutes depending on the number of Tags being sent.
<b>iPod FULL</b>	There is not enough space on the connected iPod device to transfer the iTunes Tags. Free up space using iTunes.
<b>TRANSFER FAILED</b>	Connection error. Ensure the iPod device is powered on and reconnect the iPod device until a confirmation is displayed.
<b>ALREADY TAGGED</b>	The same song has already been tagged from the same channel, and is currently saved in memory. The same song cannot be tagged twice - unless the song is tagged on a different channel, the Tags are sent to an iPod device or the tags are erased.
<b>MEMORY FULL CONNECT iPod</b>	The internal memory will hold 64 SiriusXM Tags. An iPod device must be connected to transfer the Tags, or the Tags must be deleted before more songs can be tagged.
<b>NO TAG INFO</b>	There is not sufficient information (artist or title) to tag the song. Some HD Radio stations or SiriusXM channels or certain songs may not fully support iTunes Tagging.
<b>TAGGING FAILED</b>	There was an error saving the Tag information to the internal memory. Press and hold the <b>MUTE/TAG</b> button again.
<b>NO TAGS STORED</b>	There are no tags saved in the internal memory. The Delete Tags function can only delete Tags that are saved in the internal memory.

### Device Compatibility with iTunes Tagging

- Compatible with:
- iPod touch (4th generation)
  - iPod touch (3rd generation)
  - iPod touch (2nd generation)
  - iPod classic
  - iPod nano (6th generation)
  - iPod nano (5th generation)
  - iPod nano (4th generation)
  - iPhone 4
  - iPhone 3GS
  - iPhone 3G

**Note:** Some iPod devices may require you to select 'transfer purchases' in the context menu from the name of your iPod device to transfer Tags to iTunes.

Go to [www.apple.com/itunes](http://www.apple.com/itunes) for the latest version of the iTunes software.

## Limited One Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

**Who is covered?** This warranty is extended to the original retail purchaser for products purchased from an authorized Dual dealer and used in the U.S.A.

**What is covered?** This warranty covers all defects in material and workmanship in this product. The following are not covered: software, installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product. Specific license conditions and copyright notices for the software can be found via [www.dualav.com](http://www.dualav.com).

### What to do?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls may save you a service call.
2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.
3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.
4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

- Call us toll-free at 1-866-382-5476
- E-mail us at [cs@dualav.com](mailto:cs@dualav.com)

**Exclusion of Certain Damages:** This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.

## Troubleshooting - General

Problem	Cause	Action
<b>Unit will not turn on (no power)</b>	Yellow wire not connected or incorrect voltage Red wire not connected or incorrect voltage	Check connections for proper voltage (11~16VDC)
	Black wire not connected	Check connection to ground
	Fuse blown	Replace fuse
<b>Unit has power (but no sound)</b>	Speaker wires not connected	Check connections at speakers
	One or more speaker wires touching each other or touching chassis ground	Insulate all bare speaker wires from each other and chassis ground
<b>Unit blows fuses</b>	Yellow or red wire touching chassis ground	Check for pinched wire
	Speaker wires touching chassis ground	Check for pinched wire
	Incorrect fuse rating	Use fuse with correct rating
<b>PROTECT appears on display</b>	The WMA file is copy-protected by DRM (Digital Rights Management)	Write disc using WMA files that are not copy-protected
<b>NO FILE appears on display</b>	Selected file is not available in direct or alphanumeric search modes	Repeat search using valid parameters
<b>NO SUPPORT appears on display</b>	An invalid ID3 tag version is present	Version 1.0 to 2.4 ID3 tags are supported.

## Specifications

<b>FM Tuner</b>	Tuning range: <b>87.5MHz-107.9MHz</b> Usable sensitivity: <b>8.5dBf</b> 50dB quieting sensitivity: <b>10dBf</b> Stereo separation @ 1kHz: <b>40dB</b> Frequency response: <b>30Hz-13kHz</b>
<b>AM Tuner</b>	Tuning range: <b>530kHz-1710kHz</b> Usable sensitivity: <b>22uV</b> Frequency response: <b>30Hz-2.2kHz</b>
<b>General</b>	Speaker output impedance: <b>4~8 ohms</b> Line output voltage: <b>2 Volts RMS</b> Dimensions: <b>7" x 6.7" x 4" (178 x 170 x 100 mm)</b>
<b>USB/SD Card</b>	File system: <b>FAT, FAT32</b> File extensions support: <b>.mp3, .wma</b> SD Card maximum device capacity: <b>16GB</b>

Design and specifications subject to change without notice.



### CEA-2006 Power Standard Specifications (reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)

Power Output: 18 Watts RMS x 4 channels at 4 ohms and  $\leq 1\%$  THD+N  
 Signal to Noise Ratio: 80dBA (reference: 1 watt into 4 ohms)



---

## FCC Compliance

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.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



---

# Notes



**Dual Electronics Corp.**  
**Toll Free: 1-866-382-5476**

[www.dualav.com](http://www.dualav.com)  
©2011 Dual Electronics Corp. All rights reserved.

iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved.

The SD logo is a trademark of the SD Card Association.

Other trademarks and trade names are those of their respective owners.

NSA1011-V01



## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>