



Xpress™



user guide

XMCK-10A



Important: This manual contains important safety and operating information. Please read, understand, and follow the instructions in this manual. Failure to do so could result in personal injury, death, and/or damage to your Xpress accessories, and/or to your vehicle or property

Congratulations

Thank you for purchasing the Audiovox Xpress XM® Satellite Radio Receiver Kit. You are one step closer to experiencing the latest innovation in XM Satellite Radio. XM Satellite Radio will revolutionize your vehicle or in-home entertainment.

XM is America's number one satellite radio service with more than 7 million subscribers. Broadcasting live daily from studios in Washington, DC, New York City, the Country Music Hall of Fame in Nashville, Toronto and Montreal, XM's 2006 lineup includes more than 170 digital channels of choice from coast to coast: the most commercial-free music channels, sports, talk, comedy, children's and entertainment programming; and the most advanced traffic and weather information.

XM the leader in satellite-delivered entertainment and data services for the automobile market through partnerships with General Motors, Honda, Toyota, Hyundai, Nissan, Subaru, Suzuki and Porsche, is available in more than 140 different vehicle models for 2006. XM's industry-leading products are available at consumer electronics retailers nationwide. For more information about XM hardware, programming and partnerships, please visit <http://www.xmradio.com>.

Required subscription for service sold separately. Premium Channels available at additional monthly costs. Installation costs and other fees and taxes may apply, including a one-time activation fee. All fees and programming subject to change. College sports games subject to availability. Subscriptions subject to Customer Agreement included with the XM Welcome Kit and available at <http://www.xmradio.com>. Only available in the 48 contiguous United States

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FCC Information

Please note that the power cable that has been supplied with your device is supplied with permanently attached ferrite beads at each end. It is the responsibility of the user to use the cable with the ferrite beads.

The user is cautioned that changes or modifications not expressly approved by XM Satellite Radio Inc. can void the user's authority to operate this device.

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.

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

Warning: The FCC and FAA have not certified XM Satellite Radio Receivers for use in any aircraft (neither portable nor permanent installation). Therefore, XM Satellite Radio, Inc. cannot support this type of application or installation.

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Xpress System Components



XM Receiver Model Xpress



Remote Control Unit

Part Number **136-4042**



***3 Vdc Battery for Remote,
(1) CR2032***

Introduction

The Audiovox Xpress XM receiver processes the XM satellite signals received by the externally mounted antenna (purchased separately for Home or Boom Box Kits). The Xpress XM receiver recognizes and decodes the incoming XM broadcast signal and provides an audio signal to your radio or other audio output equipment.

NOTE: *When installed in a vehicle, the XM signal can be received and processed virtually anywhere as long as there are no obvious satellite signal obstructions such as nearby tall buildings, high terrain, parking garages or tunnels.*

The Xpress XM receiver is typically installed in an accessible location of the vehicle (dash area), consistent with line-of-sight operation of the remote control, and/or within easy reach of the driver. For home use, situate the Xpress XM receiver close to your stereo receiving equipment.

Optional Accessories (sold separately)

- | | |
|-------------------------------|-------------------------|
| o Xpress Home Kit: | Part Number XMH-10A |
| o Xpress Boom Box: | Part Number XMF5X007-ES |
| o Xpress 2nd Vehicle Kit: | Part Number XMC-10A |
| o Audiovox FM Direct Adaptor: | Part Number XMFM-1 |
| o Audiovox RCA Cables: | Part Number SAT RCA |

XM Activation

Activating your XM radio service is easy. You have one of two choices to activate your service: Online or by Phone.

Online Activation Process

First, please make sure the Xpress XM receiver is working properly by tuning to the XM Preview channel (#1). If you can hear XM Preview, your equipment is ready.

NOTE: *The antenna must be installed on the outside of your vehicle for best performance.*

Next, make sure you have a credit card and your XM Radio Receiver ID handy. You can display your ID by tuning your XM Radio to channel '0', one down from XM Preview. (For tuning instructions see the Receiver Control Features section of this guide.)

To obtain the XM radio identification (ID) number, tune to channel 0 and press the Rotary/Select Knob. The 8-character alphanumeric XM radio ID will appear on the screen. Write the alphanumeric ID below (Figure 1) for future reference.

NOTE: *No adjustments are allowed in this mode. To exit the Radio ID screen, tune to any channel by turning the rotary knob and press.*

Please check your 8-character alphanumeric XM radio ID code carefully. There is no "I" (eye), "O" (oh), "S" or "F" used. You may wish to double check your ID code on the outside of your tuner box. Enter the ID code below:

--	--	--	--	--	--	--	--

Figure 1. Your Receiver 8-character alphanumeric ID

Online Activation Process

Once the ID code is obtained, log on to XM at <http://activate.xmradio.com> and follow the easy instructions to activate your Xpress XM receiver.

Call-in Activation Process

Call XM at 1-800-XM RADIO (1-800-967-2346). One of XM's friendly Customer Care representatives will take the necessary information and walk you through the activation process. After the activation request is submitted you should keep your receiver ON for at least 1 hour. This will complete the activation process. When the Xpress XM receiver is activated, you will be able to access over 170 digital radio channels.

Getting Started

The Audiovox Xpress XM receiver provides:

- 7 control buttons
- 1 Rotary/Select Knob
- 10 number keys.

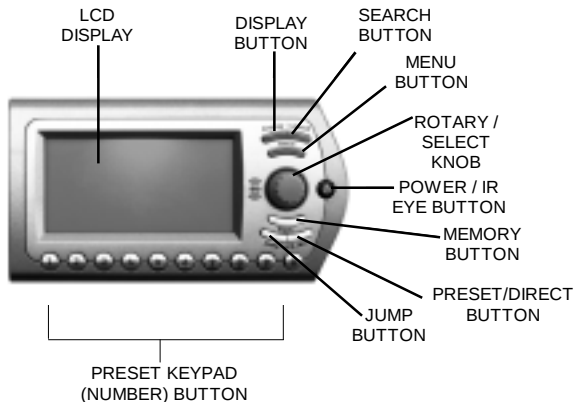


Figure 2. Xpress Receiver Unit

Controls

Receiver Control Features

Display Button - This button allows the user to choose one of four (4) different formats to display the Artist, Song Title and data service information on the LCD screen.

Search Button - This button allows the user to search the next channel category as well as between preset channels or perform a continuous search. The continuous search will scan all available channels in all categories or all channels within a Preset group stopping at each one for four (4) seconds until the user presses the search button again to make a selection.

Menu Button - The MENU button is used to access “Menu Options” which allows the user to make feature function adjustments for personal preferences. Upon entering the main menu mode, use the Rotary/Select Knob or the Remote Control UP and DOWN buttons to highlight the desired function and then press the Rotary/Select Knob or press the (XM) Select Button on the Remote Control to enter.

Rotary/Select Knob – The Rotary/Select Knob is the primary control for navigating through the various lists and option menus available. This knob has a dual purpose. In the default mode, this knob provides sequential tuning through the available program channels. When the knob is turned in a clockwise “CW” direction the unit tunes up one channel at a time. When the knob is turned in a counter clockwise “CCW” direction the unit tunes down one channel at a time.

When in the list or menu mode, turning the knob CW and CCW scrolls UP and DOWN through the various menus and lists. The current selection from the list will be highlighted on the display. When the item is highlighted, press the Rotary/Select Knob to enter the selection.

Power Button - This button applies power to and removes power from the Xpress XM receiver. This button is also the Xpress XM receiver's receiver eye (IR).

Memory Button (mem.) - This button allows the user to capture and store the current program data information (Artist & Song Title). You can store up to 20 Artist/Song Title combinations.

Jump Button - This button allows the user to jump to the previous channel (i.e., switch between the current and previous channel).

Preset/Direct Button (pre./dir.) - Each momentary press of the PRESET button allows the user to switch between three (3) banks of Channel presets (10 presets in each A, B, and C bank) plus Direct channel entry. When in any of the three preset banks, momentarily pressing any of the number buttons will recall the stored channel. In the Direct mode, use the number buttons to directly enter the desired channel number followed by pressing the Rotary/ Select Knob.

Keypad Buttons 0-9 - These buttons are used to directly enter a desired channel number. They are also used when entering and recalling preset channel numbers that have been stored.

Display Screen Features - Shown below is an example of an active Display Screen (see Figure 3). Pressing the DISPLAY button from the Default display switches between the artist name/song title screen, artist name/song title with stock screen, artist name/song title with sports screen, or large letter format. When the letter size changes, the field will scroll. This feature is useful when viewing the display at a distance.

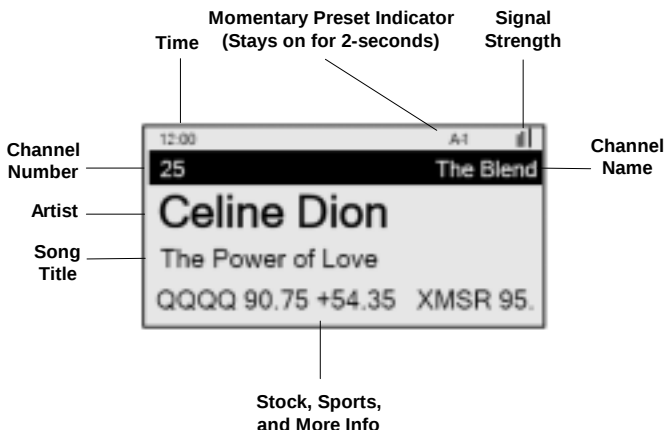


Figure 3. Xpress Receiver Unit Display Screen

Basic Operation

With the Xpress XM receiver properly installed, activated and connected to your home/vehicle audio system or boom box, proceed as follows:

Turning Xpress ON and OFF

Set up your Audiovox Xpress XM receiver using the installation instructions included in this Kit (Home Kit, or Boom Box Kit), or with the help of a professional installer.

NOTE: Refer to *Antenna Aiming during the installation procedure.*

Press the Power button to turn the unit ON. When the unit turns ON the XM logo will appear for 3-seconds (curved lines on either side of the XM logo gradually appear) (see Figure 4) followed by the Audiovox logo. These screens will be followed by the active channel (see Figure 5), which defaults to the last tuned channel setting prior to power being turned OFF. When the unit is shut OFF the XM logo will appear and the curved lines on either side of the XM logo gradually disappear.

NOTE: If this is the first time using the Xpress XM receiver, the screen will alternately display the preview channel screen and a number of messages, including: "Activate Your XM 1-800-XM RADIO". If not, go to channel 1 using the Rotary/Select Knob on the Xpress XM receiver or the CH Up/Down buttons on the remote control.

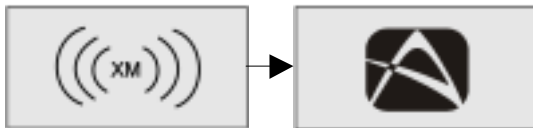


Figure 4. XM and Audiovox Logo Power ON Screen



Figure 5. Active Channel Screen

Menu Options

To enter the Menu Options page, press the MENU Button on either the remote control or the main unit. The Main Menu list will appear on the screen (see Figure 6). Using the Rotary/Select Knob, highlight the option you wish to adjust, turning CW scrolls DOWN and CCW will scroll UP through the various menus and lists. The current selection from the list will be highlighted on the display. When the item is highlighted, press the Rotary/Select Knob to enter the selected menu item.

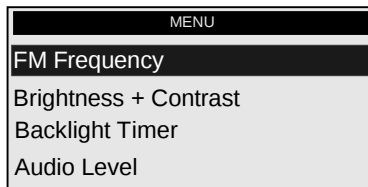


Figure 6. Main Menu Screen

The following options are available:

- **FM Frequency**
- **Brightness + Contrast**
- **Backlight Timer**
- **Audio Level**
- **Antenna Aiming**
- **Direct Tune**
- **Search Mode**
- **Channel Skip/Add**
- **Memory Recall**
- **TuneSelect**
- **Stock Ticker**
- **Info Extras**
- **Display Screen Mode**
- **Set Clock**
- **Auto-On**
- **Auto-Off / Sleep Timer**
- **Set Factory Defaults**
- **Exit Menu**

While in the menu screen function, if a button is not pressed within 12 seconds from the previously selected function, the unit exits the menu screen function and reverts to the default screen display.

NOTE: Upon setting and confirmation of a Menu selection, pressing the Menu button will exit the Xpress XM receiver to the active screen (See Figure 5).

FM Frequency

The following Frequency Setting adjustments are possible only when using the Xpress XM receiver in your vehicle.

NOTE: *The Xpress XM receiver has an internal FM Modulator, which allows you to play the audio through any standard vehicle FM receiver. In certain urban areas of the country where strong FM stations may overpower the Xpress XM receiver FM transmitted signal, an FM direct adapter may be needed to achieve a clean audio signal (Part Number XMFM-1) in your vehicle.*

FM ON or OFF Feature

This feature allows the user to turn the FM Modulator ON or OFF when the Xpress XM receiver is used in the Vehicle cradle only. It is recommended that you turn the FM Modulator OFF if you are using the low level audio outputs in your particular application (optional cable needed SAT-RCA) (see Figure 7). Upon entering the “FM Frequency” mode the FM Modulator will be OFF by default. To turn the FM Modulator ON, turn the Rotary/Select knob CW/CCW or use the UP and DOWN buttons on the Remote Control to the highlight the desired frequency (88.1, 88.3, 88.5,.....107.9).



Figure 7. FM OFF Screen

The selected frequency must be an unused frequency or a frequency used by a low powered FM station in your area. If not, the strong signal from the FM station may overpower the Xpress XM receiver FM transmitted signal which may result in interference.

Finding an FM frequency at <http://xmradio.com/fmlocator>

If you choose to use the FM modulator to listen to XM in your vehicle, you will need to find a suitable FM frequency in order to get the best sound. A suitable FM frequency is an unused frequency or weak station that is not located near a strong FM station in your area.

Steps to follow:

1. Go to **<http://xmradio.com/fmlocator>** for recommended FM frequencies in your area.
2. Enter your local USPS Zip Code.
3. You will see the recommended FM frequencies in your area. Try the “vacant” channels first. (Remember that 87.9 is not a frequency that is available on XM products).
4. Set your vehicle’s FM radio to one of the recommended frequencies. Now set your XM receiver to the same frequency using the menu settings.
5. If the audio quality is not satisfactory, you can repeat these steps by choosing another frequency.

This chart represents the FM channels in the Washington, DC area. The spikes represent the strength of the FM channel. Someone in DC would choose a “vacant” channel like 92.9 that is unused and located between two weaker channels.

Sample Search Results for Major US Markets:

City:	Zip Code:	FM Channels:
New York City	10199	88.5, 91.9, 95.1
Los Angeles	90052	99.1, 101.5, 107.9
Chicago	60607	89.1, 90.7, 91.1
Houston	77201	88.1, 95.1, 97.3
Washington, DC	20090	92.9 , 97.7, 98.1

With the FM Frequency highlighted, press the Rotary/Select Knob or the (XM) Select button on the remote control to confirm the selection (see Figure 8).

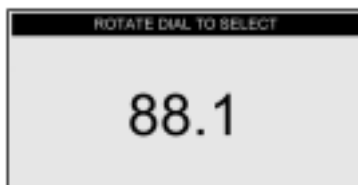


Figure 8. FM Frequency Screen

Brightness + Contrast

This feature allows the user to adjust the brightness and contrast of the unit's display (see Figure 9). Upon entering either the brightness or contrast adjustment mode, a horizontal bar graph is displayed with a minus (-) sign on the left and a plus (+) on the right. Use the Rotary/Select Knob to highlight the contrast or the brightness adjustment. Once the desired adjustment is highlighted, press the Rotary/Select Knob to enter the adjustment mode. If there is no activity for 12 seconds, the XM receiver will exit to the active channel screen.

Brightness Mode: Turn the Rotary/Select Knob CW or use the UP arrow on the Remote Control to increase the screen's brightness. Turn the Rotary/Select Knob CCW or use the DOWN arrow on the Remote Control to decrease the screen's brightness. Once the desired setting is obtained, press the menu button twice to return to the active channel screen.

Contrast Mode: Turn the Rotary/Select Knob CW or use the UP arrow on the Remote Control to increase the screen's contrast. Turn the Rotary/Select Knob CCW or use the DOWN arrow on the Remote Control to decrease the screen's contrast. Once the desired setting is obtained, press the menu button twice to return to the active channel screen.

NOTE: When the Receiver is to be used in battery-operated accessories, such as the Xpress Boom Box, to maximize battery life, it is suggested that the brightness setting be reduced to a minimal level.



Figure 9. Brightness and Contrast Screen

Backlight Timer

The Backlight Timer feature allows the user to set the amount of time the display backlight is turned on, or the period before the display darkens, provided no other button has been pressed during the selected time-out interval; time increments of 10, 20, and 30 seconds are presented for selection at your discretion. This user-friendly option subdues the display during sleep hours or other particular periods.

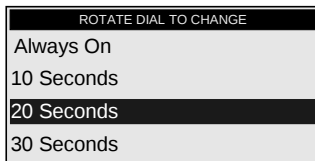


Figure 10. Backlight Timer Options

If the desired backlight time is 20 seconds, turn the Rotary/Select knob CW to scroll down through the timer selections until 20 Seconds is highlighted (Figure 10); then press the Rotary/Select knob. The selection will appear as shown in Figure 11.

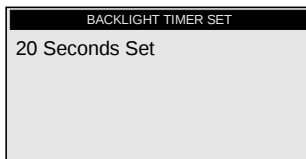


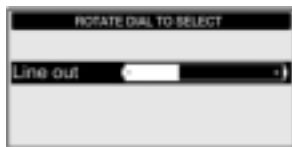
Figure 11. Selecting 20-Second Backlight Timeout

As a result, the display backlight will turn off 20 seconds after this selection is entered, provided no other button is pressed in the meantime.

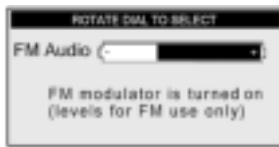
Audio Level

This feature allows the user to set the audio output signal level (see Figure 12). Upon entering the audio level mode, a horizontal bar graph is displayed with a minus (-) sign on the left and a plus (+) on the right. Use the Rotary/Select Knob to adjust the audio level. When the Rotary/Select Knob is turned CW the audio level signal is increased. When the Rotary/Select Knob is turned CCW the audio level signal is decreased. The UP and DOWN buttons on the Remote Control also provide a similar function. When the desired setting is achieved, press the Rotary/Select Knob or (XM) Select Button on the Remote Control to confirm.

NOTE: *To prevent distortion caused by overdriving the audio playback device input, it is recommended that you adjust the audio level signal to mid-range.*



Screen displayed when the FM Frequency is set to "OFF"



Screen displayed when FM modulator is set to "ON"

Figure 12. Audio Level Screen

Antenna Aiming (Home Installation)

This feature allows the user to aim the antenna to optimize XM signal reception (see Figure 13). Upon entering the antenna aiming mode, a horizontal bar graph is displayed with a minus (-) sign on the left and a plus (+) on the right. The horizontal bar graphs represent the repeater signal and satellite transmission signal strength. Position the antenna to optimize either the satellite or terrestrial signal. When the optimal setting is achieved, press the Menu button on the unit or the Menu on the Remote Control to exit this screen and to return to the main menu.

NOTE: When the Antenna Aiming screen is selected, this screen does not time-out like the other menu screens. This screen will stay active until the Menu Button is pressed again.

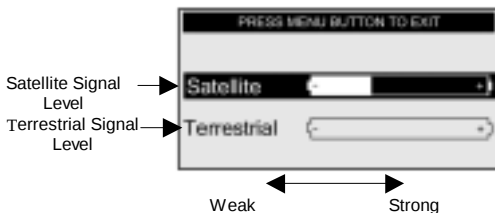


Figure 13. Antenna Aiming Screen

Direct Tune

Turn the Rotary/Select Knob CW or CCW to highlight choice Direct Tune “On” or Direct Tune “Off”. When the desired setting is highlighted, press the Rotary/Select Knob or the (XM) Select Button on the remote control to confirm (see Figure 14). The direct tune function when enabled (ON), allows the user to manually tune to a channel using the Rotary/Select Knob or the remote control UP and DOWN buttons. The unit will automatically switch to the selected channel without pressing the Rotary/Select Knob or the (XM) Select Button on the remote control. When direct tune is set to off, this allows the user to manually tune to a channel using the Rotary/Select Knob or the remote control UP and DOWN buttons. The Rotary/Select Knob or the (XM) Select Button on the remote control must be pressed to confirm the selection.



Figure 14. Direct Tuning Screen

Search Mode

This feature allows the user to change the way the search button on the Xpress XM receiver functions. The Search button can be set to search categories, to scan through all presets (A, B, C) or all available channels.

Upon entering this mode, two options are displayed “Search by Category” and “Search by Scanning” (see Figure 15). Use the Rotary/Select Knob or the UP and DOWN buttons on the Remote Control to switch between the options. When the desired setting is highlighted, press the Rotary/Select Knob or the (XM) Select button on the Remote Control to make the selection. Once a selection is made a screen will appear to confirm the selection “Search by Category” or “Search by Scanning Set”.



Figure 15. Search Mode Screen

Channel Skip/Add

The Channel Skip/Add function provides the ability to skip over certain channels when using the Rotary/Select Knob or the UP and DOWN buttons on the Remote Control. Upon entering this mode, a channel list is displayed with the current channel in play highlighted (see Figure 16). In front of each channel is a plus sign (+) signifying that the channel is not skipped or a minus sign (-) signifying the channel is skipped. Rotate the Rotary/Select Knob to navigate the list and highlight the channel to be adjusted. Once a channel has been highlighted, pressing the Rotary/Select Knob changes the plus sign (+) or the minus sign (-) to the opposite sign and adds/subtracts the channel from the channel skip list. To exit to the active channel screen press the menu button twice.



Figure 16. Skip/Add Channel Screen

Memory Recall

This feature allows the user to capture and store the current program data information (Artist & Song title) with up to 20 listings (20 Artist/Song Title combinations) (see Figure 17).

Press and release the memory (mem) button to save the information of the current song or program. The Xpress XM receiver can hold up to 20 entries, after which any new information that is saved will replace the oldest entry in memory. To recall saved information, press and hold the memory (mem) button for 3 seconds. The Xpress XM receiver will provide a continuous view of the Channels, Songs and Artists held in memory. Rotating the Rotary/Select Knob CCW will access the previous memory content or CW to access the next memory content. The UP and DOWN buttons on the Remote Control also provide a similar function. To exit to the active channel screen press the menu button twice, press the jump button twice or wait 12 seconds.



Figure 17. Memory Recall Screen



Figure 18. Tune Select Screen

Tune Select

This feature allows the user to store current program information (Artist and Song title) for future comparison against the incoming XM signal. The Xpress XM receiver can hold up to 20 entries, after which any new information saved will replace the oldest entry in memory.

To store a song or artist, press and hold the Rotary/Select Knob or the (XM) Select Button on the remote control until the unit emits a confirmation tone. When the exact Artist or Song is detected on another XM channel, the user will be notified via a confirmation tone. An alert will also appear on the screen for approximately 8 seconds identifying that a match was found. Pressing the Rotary/Select Knob or the (XM) Select Button on the remote control while this screen is active forces the unit to jump to the channel currently playing before desired Artist or Song.

Tune Select Erase All

To delete all entries from the Tune Select list go to menu options then use the Rotary/Select Knob or the UP and DOWN buttons on the remote control to choose "YES" or "NO" (see Figure 19). Press the Rotary/Select Knob or the (XM) Select Button on the remote control to confirm the selection.



Figure 19. Tune Select Erase All Screen

Tune Select Erase Some

To delete individual and multiple artists/song titles from the Tune Select list use the Rotary/Select Knob or the UP and DOWN buttons on the remote control to choose the Artist name or Song title (see Figure 20). Press the Rotary/Select Knob or the (XM) Select Button on the remote to mark the Artist or Song title for removal from the Tune Select list.

Press menu to delete marked items and exit the mode.



Figure 20. Tune Select Erase Some Screen

Select By Song

This feature enables the Xpress XM receiver to search all other XM channels for stored content by song title. Use the Rotary/Select Knob or the UP and DOWN buttons on the remote control and select the “Select by Song”. Press the Rotary/Select Knob or the (XM) Select Button on the remote to confirm the selection (see Figure 21).



Figure 21. Select by Song Confirmation Screen

Select By Artist

This feature enables the Xpress XM receiver to search all other XM channels stored content by artist title. Use the Rotary/Select Knob or the remote control up down buttons and select the “Select by Artist”. Press the Rotary/Select Knob or the (XM) Select Button on the remote to confirm the selection (see Figure 22).



Figure 22. Select by Artist Confirmation Screen

Stock Ticker

This feature allows the user to monitor various stocks. The Xpress XM receiver can monitor up to 20 stock symbols. Use the Rotary/Select Knob or the remote control UP and DOWN buttons to select “Add Stocks” or “Erase Stocks” (see Figure 23). Press the Rotary/Select Knob or the (XM) Select Button on the remote control to confirm your selection.



Figure 23. Stock Ticker Screen

Add Stock

Two screens will appear “Please Wait” and “Enter Symbol” (see Figure 24). When the “Enter Symbol” screen appears use the Rotary/Select Knob or the remote control UP and DOWN buttons to select each letter in the stock symbol. Press the Rotary/Select Knob or the (XM) Select Button on the remote control to confirm each letter of the symbol.

NOTE: The Xpress XM receiver will sometimes complete the entry. When the entry appears on the screen press the Rotary/Select Knob or the (XM) Select Button on the remote control to confirm symbol. To exit this mode press the menu button twice.

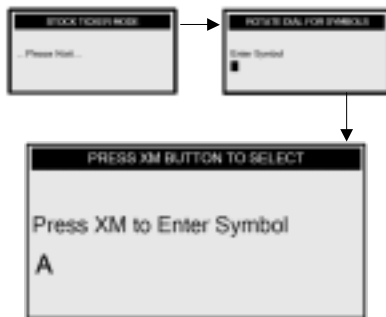


Figure 24. Add Stock Screen

Erase Stock

This feature allows the user to erase Stock Tickers individually or all together (see Figure 25). Use the Rotary/Select Knob or the UP or DOWN buttons on the remote control to highlight the desired action, and press the Rotary/Select Knob or (XM) Select Button on the remote control to confirm the selection.



Figure 25. Erase Stock Screen

Erase All Stock

Use the Rotary/Select Knob or the remote control UP or DOWN buttons to select/highlight either “NO” to quit or “YES” to confirm the deletion of all stock tickers stored in memory. Press the Rotary/Select Knob or the (XM) Select Button on the remote control to confirm the selection.

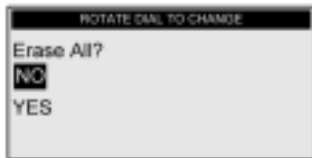


Figure 26. Erase All Stock Screen

Erase Some Stock

This feature allows the user to erase Stock Tickers individually (see Figure 27). Use the Rotary Select Knob or the Up and Down buttons on the Remote Control to confirm the deletion. The stock will be immediately removed. To exit this function, press the Menu button to revert to the previously active screen (Figure 5). A message will appear on the screen “Stock List Changes Saved”.



Figure 27. Erase Some Stock Screen

Info Extras

This feature allows the user to display the available Info Extras, primarily sports information. When “Sports” is selected you can receive XM Satellite Radio broadcasts sports information such as various team scores etc. (see Figure 28). Use the Rotary/Select Knob or Up and DOWN buttons on the remote control and select “Sports”. Press the Rotary/Select Knob or the (XM) Select button on the remote control to confirm the selection.

To select the various sports available use the Rotary/Select Knob or the Up and DOWN buttons on the remote control to highlight and choose the desired sport. Press the Rotary/Select Knob or the (XM) Select button on the remote control to confirm the selection and have the XM receiver display teams, if available, for the selected category. To select the teams, use the Rotary/Select Knob or UP and DOWN buttons on the remote control to highlight the desired team. Press the Rotary/Select Knob or the (XM) Select button on the remote control to confirm the selection. A “+” indicates team is selected, a “-“ means team is not selected.

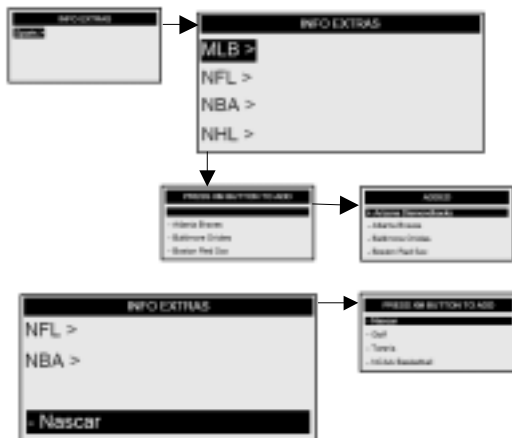


Figure 28. Info Extras Screen

Display Screen Mode

This feature allows the user to personalize the display of the unit to individual preferences. Upon entering Display Screen mode (see Figure 29), the user can adjust the way information is viewed. Use the Rotary/Select Knob or the remote control UP and DOWN buttons to highlight the setting you wish to adjust, then press the Rotary/Select Knob or the (XM) Select button on the remote control to confirm the selection.



Figure 29. Display Screen

Scrolling Display

The Scrolling Display feature allows the user to program the Xpress XM receiver to scroll stock tickers or Info Extras information across the bottom portion of the screen (continuous stream of information). The paging mode feature presents the data one page at a time and is useful when viewing the display at a distance. Upon entering Scrolling Display mode (see Figure 30), use the Rotary/Select Knob or the remote control UP and DOWN buttons to highlight either "Scrolling On" or "Scrolling Off" then press the Rotary/Select Knob or the Remote's (XM) Select button. Selection acceptance is confirmed by an audio beep and confirmation screen.



Figure 30. Scrolling Display Screen

Background Mode

The Background Setting feature allows the user to change the color of the characters being displayed to white characters on black (Negative Display) or black characters on a white background (Positive Display). Upon entering Background Setting mode (see Figure 31), use the Rotary/Select Knob or the remote control UP and DOWN buttons to highlight either “Negative Display” or “Positive Display” then press the Rotary/Select Knob or the Remote’s (XM) Select button. Selection acceptance is confirmed by audio beeps and confirmation screen.

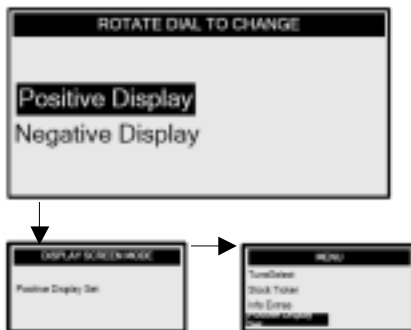


Figure 31. Background Setting Screen

Set Clock

This feature allows the user to personalize the clock display. The clock data is provided via the XM signal, and is displayed according to the users settings. Use the Rotary/Select Knob or the UP and DOWN buttons on the remote control and highlight one of the three options on the Set Clock Screen (See Figure 32). Press the Rotary/Select Knob or the Remote's (XM) Select button to set your selection. Refer to the following paragraphs for additional instructions.

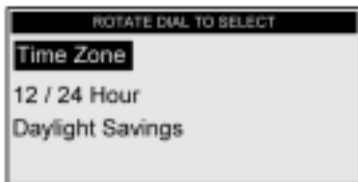


Figure 32. Set Clock Screen Setting Time Zone

Time Zone

This feature is used to set the clock to the Time Zone in which the user resides (see Figure 33). Use the Rotary/Select Knob or the remote control UP and DOWN buttons to highlight the desired time zone. Press the Rotary/Select Knob or the Remote's (XM) Select button to enter your selection. Acceptance is confirmed by an audio beep and confirmation screen.

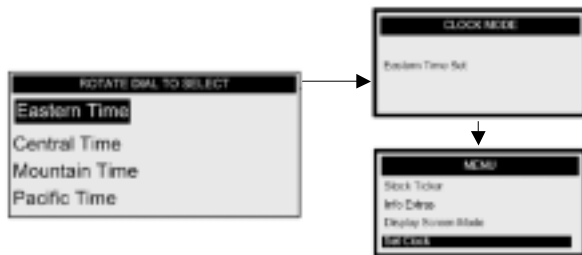


Figure 33. Time Zone Set Screen

12/24 Hour

This feature is used to set the time displayed to either a 12 hour (Default) or 24-hour format (see Figure 34). Use the Rotary/Select Knob or the remote control UP and DOWN buttons to highlight either “12 hour Clock” or “24 Hour Clock” then press the Rotary/Select Knob or the Remote’s (XM) Select button to enter your selection. Acceptance is confirmed by an audio beep and confirmation screen.

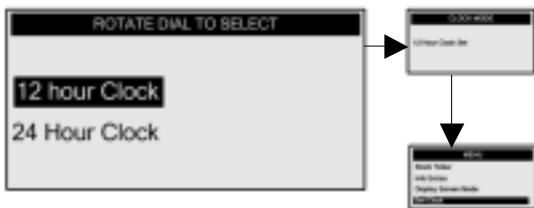


Figure 34. 12 / 24 Hour Selection Screen

Savings Selection

This feature allows the user to enable or disable Daylight Savings Time (see Figure 35). Use the Rotary/Select Knob or the remote control UP and DOWN buttons to highlight either “Standard” or “Daylight Savings” then press the Rotary/Select Knob or the Remote’s (XM) Select button to enter your selection. Acceptance is confirmed by an audio beep and confirmation screen.

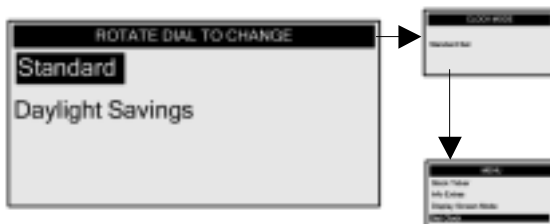


Figure 35. Daylight Savings Selection Screen

Auto-On

The Xpress XM receiver is configured to shut down when the vehicle is shut OFF or power is disconnected. By default, when the power to the unit is reapplied the user must press the Power button to turn the unit back ON. This feature allows the user to program the Xpress XM receiver to automatically turn ON when the power to the unit is reapplied (much like a vehicle radio).

When in the Auto-On menu use the Rotary/Select Knob or the Remote control UP and DOWN buttons to highlight either “On” or “Off” (see Figure 36). When the desired setting is highlighted, press the Rotary/Select Knob, or the remote’s (XM) select button to enter your selection. Acceptance is confirmed by an audio beep and confirmation screen.



Figure 36. Auto-On Screen

Auto-Off / Sleep Timer

This feature allows the user to program the Xpress XM receiver to automatically shut OFF if the unit remains in an inactive state for a period of time ranging between 15 Minutes and 3 hours (see Figure 37). There are 6 available settings:

- 15 Minutes
- 30 Minutes
- 45 Minutes
- 1 Hour
- 2 Hours
- 3 Hours

This feature is useful in preventing the vehicle battery from draining in cases where the unit is installed with a constant power source. It is also useful as a Sleep Timer turning the Xpress XM receiver OFF automatically after a period of time.

When in the Auto-Off / Sleep Timer mode use the Rotary/Select Knob or the Remote Control UP and DOWN buttons to highlight one of the six (6) time settings you wish to select.

When the desired time setting is highlighted, press the Rotary/Select Knob, or the remote's (XM) select button to enter your selection. Acceptance is confirmed by an audio beep and confirmation screen.

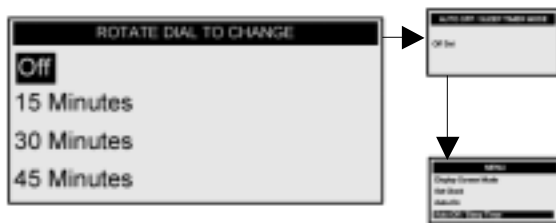


Figure 37. Auto-Off / Sleep Timer Screen

Set Factory Defaults

This feature allows the user to reset the Xpress XM receiver back to the original factory settings. Upon entering the Factory Default mode, use the Rotary/Select Knob or the UP and DOWN buttons on the remote control to switch between the “No” or “Yes” function.

If “Yes” is selected all of the users preset settings are erased and the unit returns to the original factory default settings. The second and third screens will appear to confirm the selection (see Figure 38).

NOTE: Once “Yes” is selected the change cannot be undone and all user personal settings will be lost.

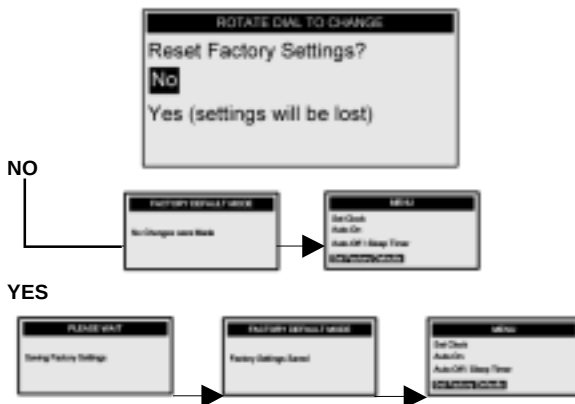


Figure 38. Setting Factory Defaults Screen

Exit Menu

To exit the menu options rotate the Rotary/Select Knob CW or press the down arrow on the remote control to highlight “Exit Menu”. Press the Rotary/Select Knob or the (XM) Select button on the remote control to confirm the selection.

Search Button

The Search button provides the ability to search by category or to scan directly through each of the available channels or through each of the presets (A, B, C) depending how the button is setup (see Search Mode section for setup instructions).

When the Xpress XM receiver is set to “Search by Category”, each press of the Search button will advance through all available categories. When a desired category is reached rotate the Rotary/Select Knob to select the desired setting and press the Rotary/Select Knob or the (XM) Select button on the remote control to enter the selection.

When the unit is set to “Search by Scanning”, it will continuously search through the presets (A, B, C) or all the available channels (in five (5) second intervals) in the direct mode until the Search button, Rotary/Select Knob or the (XM) Select button on the remote control is pressed to confirm the selection.

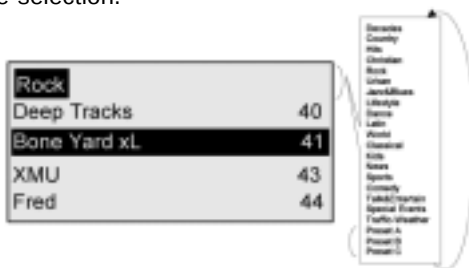


Figure 39. Category Search Screen



Figure 40. Scanning Search Screen

Memory

This feature allows the user to program into memory favorite song titles, artist names and channel information. To make an entry, press the memory (mem.) button and a “Saved in Memory” confirmation screen will appear (see Figure 41). Up to 20 entries can be stored. When 20 entries have been stored any new information that is saved will replace the oldest entry in memory.

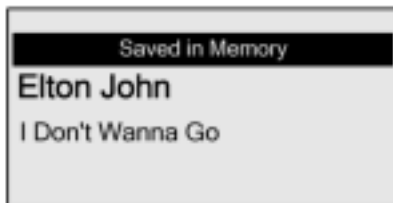


Figure 41. Memory Selection Screens

To recall the saved information, press and hold the memory (mem.) button for three (3) seconds and the MEMORY RECALL screen will be displayed (see Figure 42). If there is more than one (1) entry in memory, use the Rotary/Select Knob or the remote control UP and DOWN buttons to scroll through all stored entries.

To exit this mode, either press the Menu button twice or Jump button once. This mode will also time-out after 10 seconds and return to the active screen.

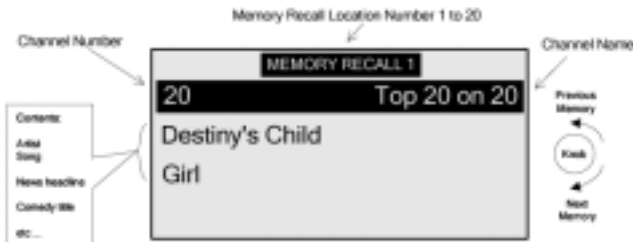


Figure 42. Memory Selection Screens

Preset / Direct

The pre./dir. button determines whether the numbered buttons 0 through 9 will operate as a keypad for entering channel numbers directly, or as presets (A, B, C) used to select channels. The unit informs the operator by displaying the selected mode (DIRECT, PRESET A, PRESET B, PRESET C) on the top line of the display.

Numbered Buttons 0-9

The numbered buttons (0 through 9) provide the operator with a means of selecting channels by entering the channel number when the unit is set to DIRECT, or selecting preassigned channels when the unit is set to operate in PRESET (A, B, C).

Direct

When the unit is set to operate in this mode, channel selection can be accomplished by entering its number directly. (e.g., to select #23, press 23.) The unit will display the following screen and change to the desired channel 2 seconds later.

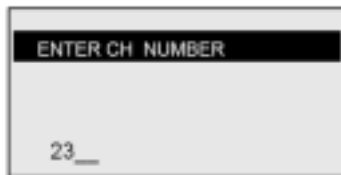


Figure 43. Direct Channel Entry Screen

Preset (A, B, C)

The unit has the capability of storing three sets of 10 preassigned channels for a total of 30 preassigned channels. To assign a channel to a number button, tune in the desired channel and hold down the desired number button until the unit signals acceptance by issuing one short beep and displaying a screen to confirm for about 1 second.

Turning Xpress OFF

To turn the Xpress XM receiver OFF, press the power button on the Xpress XM receiver or on the remote control. The following screen will appear, the curved lines on either side of the XM logo gradually disappear and the unit will shut down.

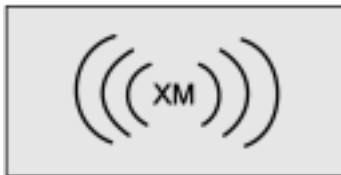


Figure 44. Exit Screen

Remote Control

Remote Control Features

The wireless remote control supplied with the Xpress XM receiver is capable of operating most of the features from a remote location. Each button on the remote control functions in the same way as the button on the Xpress XM receiver. For a full description of a keypad button and function refer to the preceding sections in this manual. For optimal operation of the remote control, always aim it toward the Remote Sensor on the front panel of the main unit.

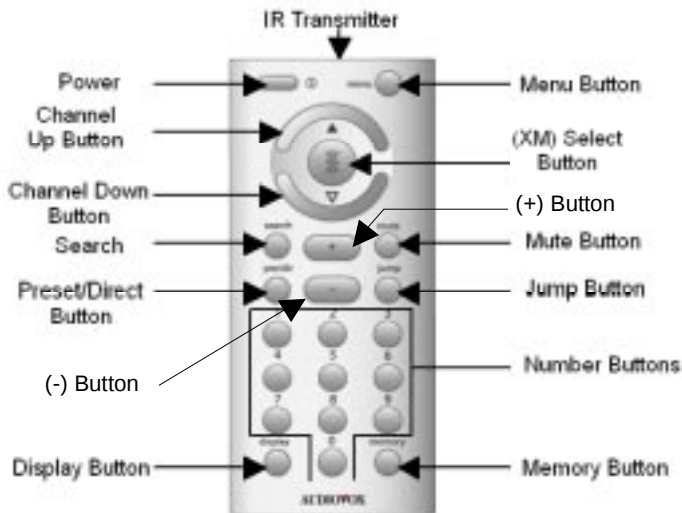


Figure 45. Xpress Receiver Remote Control

Menu Button (menu) – The MENU button is used to access “Main Menu” options which allows the user to make feature function adjustments and set personal preferences. Upon entering the main menu mode, use the UP and DOWN buttons to highlight the desired function. Press the (XM) SELECT button to confirm the selection.

Select Button (XM) – This button is used to confirm a desired channel/category selection and various menu options. This button is also used to program the ARTIST/SONG into the Tune Select feature by pressing and holding for two (2) seconds (see Tune Select).

Mute Button (mute) – This button is used to mute and un-mute the selected audio.

Jump Button (jump) – This button allows the user to jump from the current channel to a previous channel (i.e., switch between current and previous channel).

Number Buttons (0-9) – These buttons are used to select preset numbers and to directly enter a channel number.

Memory Button (mem) – This button allows the user to capture and store the current program data information (Artist & Song Title). You can store up to 20 artist/song title combinations.

Display Button (disp) – This button allows the user to choose one of four (4) different formats presenting the Artist, Song Title and data service information on the LCD screen. Pressing the Display button while viewing the active display switches between the artist name/song title with data service ticker (sports, stock options, etc.) screen. When the letter size changes, the field will scroll. This feature is useful when viewing the display at a distance.

Preset/Direct Button (pre./dir.) – Each momentary press of the PRESET button allows the user to switch between 3 banks of Channel presets (10 presets in each A, B, and C bank, plus Direct (Dir) channel entry).

When in any of the three preset banks, momentarily pressing any of the number buttons will recall the stored channel. In the Direct mode, use the number buttons to directly enter the desired channel number.

Search Button (search) – Depressing the search button will cause the unit to initiate a search based on the search mode stored in the unit.

Channel Up Button – This button is used to scroll through upper channels in the channel list as well as navigate to the next higher line in a list of menu options.

Channel Down Button – This button is used to scroll through lower channels in the channel list as well as navigate to the next lower line in a list of menu options.

(+) Button – This button is used to tune to the next higher channel number.

(-) Button – This button is used to tune to the next lower channel number.

Power Button – This button is used to turn the power to the unit ON and OFF.

IR Transmitter – The IR Transmitter sends the wireless commands to the main unit. It must be pointed in the direction of the main unit in an unblocked path to function correctly.

Care and Cleaning

- Keep the unit away from excessive moisture or where it may get wet.
- It is strongly recommended that the unit be installed and kept away from heat sources or direct sunlight.
- When cleaning, use only a soft, dry cloth.
- Never use any chemicals, abrasives, solvents, alcohol based cleaning solutions or ammonia.
- Always operate the unit where air can circulate completely around the unit.

Troubleshooting

ERROR MESSAGE	PROBABLE CAUSE	SOLUTION
'NO SIGNAL'	XM signal is obstructed.	- Make sure the antenna is not obstructed, (e.g., Tall buildings, Parking Garages) move vehicle to an unobstructed location. - The vehicle antenna should be mounted on the outside of the vehicle.
'OFF AIR'	XM is not currently broadcasting the selected channel.	Select another channel.
'ANTENNA'	The XM antenna is not correctly plugged in.	- Check the antenna cable connection ensuring that it is attached and not kinked or damaged. - Reset the unit by turning the power OFF and then back ON again.
'LOADING'	XM is updating the Channel list.	Wait short period while loading is in process and try again.
PROBLEM	PROBABLE CAUSE	SOLUTION
THE UNIT WILL NOT POWER ON	The unit is not receiving power. Power Adapter may be unplugged.	- Check that the Power Adaptor is plugged in and that the vehicle is either ON or that the ignition is in the ACC position. - Check that the Power Adaptor Fuse is not blown. If required, replace the fuse.
AUDIO STATIC AND LOSS OF CLARITY	The FM Modulator frequency contains static. Vehicle Antenna is not connected to the radio. NOTE: If you are obtaining the Wireless FM Modulator feature and this problem persists it is recommended that the optional FM Direct Adapter is installed (Part # XMFM-1).	- Switch to another frequency. - Re-connect the vehicle Antenna cable.
NO SOUND	Audio cables not connected.	Check cables at Xpress and radio.
	Incorrect FM Modulator frequency	Select another FM Modulator frequency.
XM CHANNELS YOU SUBSCRIBED TO ARE NOT ALL RECEIVED	~Unknown~	Contact XM 1-800-XM RADIO (1-800-967-2346).
UNABLE TO TUNE TO A CHANNEL	The channel you are trying to tune to is not authorized. The channel you are trying to tune to has been selected to be Skipped.	- Contact XM 1-800-XM RADIO (1-800-967-2346). - Deselect the skip feature for this channel.

Specifications

Audio Output 3.5mm Diameter Min-Stereo Jack

AUX (Audio) Input 3.5mm Diameter Min-Stereo Jack

Power Supply: 5 Volt, 2 Amp Maximum, Negative Ground,DC Input.

CAUTION: Use only the *Audiovox approved adapter specified in the kit for the Xpress XM® Satellite Radio Receiver*, or the unit could be severely damaged.

Antenna 1 RF SMB Connector

Dimensions H X W X D
2.44 Inches X 4.44 Inches X 1.22 Inches
(62.0mm) X (112.7mm) X (31.0mm)

**AUDIOVOX®****12 MONTH LIMITED WARRANTY**

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station or the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to costs incurred for installation, removal or reinstallation of the product, damage to speakers, accessories, or vehicle and home electrical systems, malfunction of satellite transmissions, repeater signal or receiver unit.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s).

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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