XMCommander

Universal Satellite Radio Receiver

User Manual

XM-RVR-FM-001C

Distributed by *TERK*

SATELLiTE RADiO

⚠ **Warning:** This manual contains important safety and operating information. Please read and follow the instructions in this manual. Failure to do so could result in personal injury or damage to your XMCommander or to your vehicle.

Welcome

Thank you for purchasing an XMCommander Satellite Radio FM Modulator and Receiver System. Your XMCommander gives you access to over 80 XM Satellite Radio channels of music, news, and information.*

Your XMCommander must be used with the enclosed connecting devices to ensure maximum performance and safety. Professional installation is highly recommended.

*XM subscription required for reception. Not available in Alaska or Hawaii.

About XM

One big idea can change everything. And XM Satellite Radio is one big idea: Radio to the Power of X The number one Satellite Radio Service in the universe gives you the power to choose what you want to hear on – talk, sports, and entertainment. That's 80 basic channels in all, for a low monthly subscription. Additional devices may qualify for a reduced subscription fee through the XM Family Plan.

Exploring the radio dial was never like this. Find the spirit and the passion that made radio fun, now reborn in all-digital sound without endless commercial interruptions. Get to know the richness and range of 80 channels of continuous programming. XM is a sonic frontier where you'll discover a new kind of radio.

About XMCommander

XMCommander allows you to receive and play XM's 80 digital channels over your existing vehicle audio system. Integrated seamlessly into your existing vehicle sound system**, the XMCommander provides endless hours of rich radio entertainment— Radio to the Power of X® !

**Professional installation is highly recommended.

> ⚠️ **Important:** The serial number for this device is located on the top of the receiver unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

Contents

Getting Started: Activating XMCommander

To quickly begin enjoying XM Satellite Radio, follow these simple steps:

1. Set up your XMCommander using the instructions in the installation guide or with the help of a professional installer.

2. Press the power button to turn the XMCommander on and verify that it is playing Channel 1, the XM Preview Channel.

3. Select Channel 0. The receiver's eight-character XM Satellite Radio ID number will appear on the display. Write the number here:

Note: Carefully check your XM Radio ID. The letters I, O, S, and F are not used.

4. Activate your XM Satellite Radio service. To subscribe, make sure you have a major credit card and your XM Satellite Radio ID number handy and log onto www.xmradio.ca. You can also activate your service by calling 1-877-GET-XMSR. Reduced fees apply for online activation.

Note: You will need to keep your XMCommander on for at least one hour after requesting activation to receive the full channel line-up.

Warning: When using this product it is always important to keep your eyes on the road and your hands on the wheel. Not doing so could result in injury to you or to others or in property damage.

Caution: Failure to properly follow all installation instructions may result in personal injury or damage to your XMCommander or to your vehicle.

Technical Information

Dimensions
Controller. . . . . 4.5 in W x 1.75 in x H .83 in D (115 mm x 45 mm x 21 mm)
Receiver. . . . . 3.75 in W x 4.3 in x H 1.25 in D (95 mm x 109 mm x 32 mm)

Weight
Controller. . . . . 2 oz (75 g)
Receiver. . . . . 11.8 oz (335 g)

Inputs/Outputs
Antenna. . . . . 1 RF SMB Connector
Power. . . . . P13 connector, 12V DC, 500 mA maximum
Audio output. . . . . 3.5 mm diameter ministereo jack

XMCommander

Controls

Figure 1. XMCommander

The XMCommander unit has a power button, two control buttons, tuning wheel, enter button and 10 number keys.

⓪ Turns the XMCommander on or off.

disp/menu The display/menu button toggles between three display options:
1. Channel name, channel number, and artist name
2. Channel name, channel number, and song name
3. Artist name and song title

preset/direct Switches between DIRECT entry, Preset A, Preset B and Preset C.

Use the tuning wheel to scroll through and select a channel or a menu option. Pressing the center of the tuning wheel acts as an enter function and selects channels or menu options.

Number keys are used to select a channel directly (when in DIRECT entry mode) by entering its number. Select presets (when in Preset A, Preset B, or Preset C mode) by entering the number of the preset.

XMCommander

Remote Control

Figure 2. XMCommander Remote Control.

⏻	Turns the XMCommander on or off.
▲ ▼	Highlights different channel/menu options on the screen.
(enter)	The enter button is used in selecting channels and menu options. Press and hold to activate TuneSelect™ feature.
scan	Locates channels by various scanning methods.
preset/direct	Switches between DIRECT entry, Preset A, Preset B and Preset C.
jump	Reverts to channel played prior to current selection.
1	Number keys are used to select a channel directly (when in DIRECT entry mode) by entering its number. Select presets (when in Preset A, Preset B or Preset C mode) by entering the number of the preset.
disp/menu	The display/menu button toggles between three display options: 1. Channel name, channel number, and artist name 2. Channel name, channel number, and song name 3. Artist name and song title
memory	Memory saves artist name and song title for the currently playing song which can later be recalled. Press and hold memory key to recall information.
◄◄ ►►	Enters category search and scrolls through available categories.

XMCommander

Display Screen

While tuned to an XM channel, the XMCommander default display contains information about that channel and the XMCommander settings. See figure 3.

Your XMCommander display can be customized. See page 7.

Figure 3. XMCommander display screens.

Signal strength indicator (zero to three bars)   Scan mode   Display Options   Category search indicator   Keypad mode (DIRECT, Preset A, Preset B or Preset C)

Channel name and number

Artist name

Preset bank indicator

Display Option 1   Display Option 2   Display Option 3
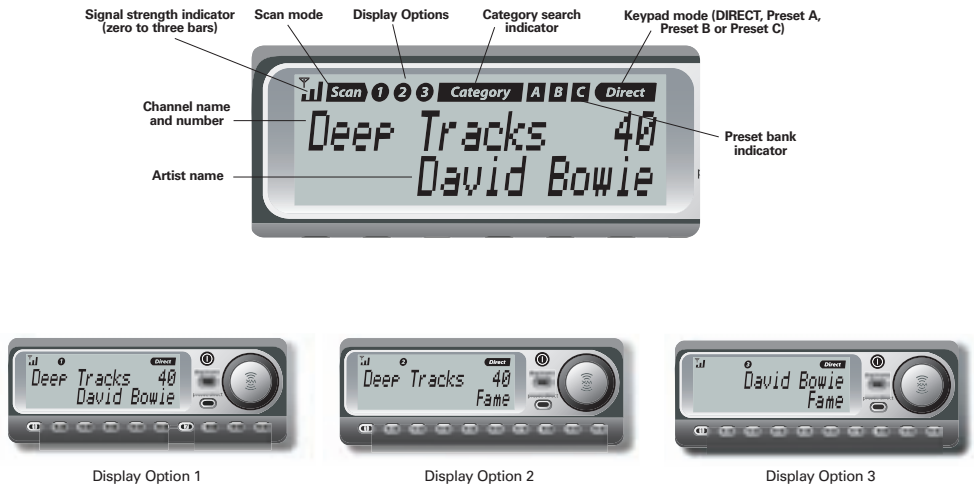
Basic Operations

Turning XMCommander On and Off
Press 🔘 to power the unit on or off. When first turned on, the receiver will automatically tune in to the last channel listened to and recall the previous settings.

Basic Channel Selection
Select a channel by number
1. Verify that XMCommander is in DIRECT entry mode. DIRECT should appear in the upper right corner of the display. If A, B or C appears, press
🔘 until the display says DIRECT.
2. Enter channel number using the number keys.

Select using presets
Your XMCommander can store up to 30 preset channels. They are organized into three different groups, or memory banks (Preset A, Preset B and Preset C), each with 10 channels corresponding to the 10 number keys.

Select channel presets
Press 🔘 until an A, B, or C appears in the upper right corner of the display. Press the number key corresponding to the desired preset.

Setting channel presets
1. Tune in the channel you want to register as a preset.
2. Select either Preset A, Preset B or Preset C by pressing 🔘 until an A, B, or C appears in the upper right corner of the display.
3. Press and hold the number key corresponding to the preset you would like to set. The channel name and number will highlight and the audio will mute for 2 seconds to indicate that the preset is registered.

Tune to a channel using Tuning Wheel
Tune up and down the channel list by turning the tuning wheel 🔘 .

Turn the tuning wheel 🔘 one increment or decrement to progress through a list of channels. Continue to turn the wheel to scroll through the list and display a new channel with each increment. To select a channel, press 🔘 .

Select a channel by remote control
When in DIRECT entry mode the up/down arrow buttons ▲ ▼ on the remote control can be used to move up or down the channel list one channel at a time. When in PRESET mode they can be used to move up or down the preset channels in the current bank. Each new channel will be displayed for your preview without leaving your current selection.

1. To display a new channel using the up/down arrow buttons, press ▲ ▼ buttons.
2. To select a channel, press 🔘 . If a channel is not selected within 6 seconds, the unit reverts to the current selection.
3. For a fast tuning through the channel listing, hold down the ▲ ▼ buttons continuously.

⚠️ **Caution:** Set the volume control at a comfortable sound level—one that can be heard clearly without distortion. The Electronics Industry Association's Consumer Electronics Group suggest that you avoid prolonged exposure to excessive noise to reduce the risk of hearing damage or loss.

Basic Operations
Select Channel by Category (remote control)

On the remote control, press either of the category keys 🔼 🔽 to enter category search.
1. Continue pressing one of the category keys until a category you are interested in appears.
2. Use the ▲ ▼ buttons to display a channel within the given category.
3. Press 🔘 to select a channel.
4. If you do not select a channel, category search will time out after several seconds.

Save and Recall Functions
You can save the artist name, song title, channel name and channel number on the current channel for future reference.
1. Press 🔲 to save the information for the current song. Up to 15 different items can be saved at once, after which any new information that is saved will replace the oldest information in memory.
2. To recall saved information, press and hold 🔲 for 2 seconds. "Memory 1" is displayed on the first line. The channel name and number appear on the second line. Next, the artist name and song title are displayed. To advance through your list of favorites press ▲ ▼ on the remote control.

Display Options
The DISP/MENU 🔘 button toggles between three display options:
1. Channel name, channel number, and artist name
2. Channel name, channel number, and song name
3. Artist name and song title

Menu Commands and Settings

Press and hold 🔘 enters the menu section of XMCommander. Here, you can change each of the following options using the tuning wheel or ▲ ▼ on remote and pressing to select the highlighted option. Following are the settings that can be changed:

FM Frequency
In "FM Frequency" mode, the current frequency and five additional frequencies are displayed. To select another frequency, rotate tuning wheel 🔘 or press up or down ▲ ▼ on the remote to highlight the desired frequency.
Press 🔘 . "Set" and the new frequency number are displayed for 2 seconds.

Output Level
Use this to adjust the XMCommander audio-level output if it is too high, causing distortion, or too low for your car. Most users will NOT need to change this level from the factory setting. This is not a volume control. You should set the volume using the audio system connected to your XMCommander.

Contrast
This control allows you to adjust the contrast of your display.

TuneSelect™
See pg 8.

Direct Tune
This feature changes the functionality of the tuning wheel so that it automatically selects a channel each time it is rolled, without having to press tuning wheel 🔘 in. Note: XMCommander does not have a preview mode when this feature is active.

Special Features
TuneSelect™ — New Feature!

TuneSelect is a new XM feature which allows you to "tag" up to 15 songs you like and have your XM Radio alert you when any of those songs is playing on a different channel.

Activating TuneSelect

To activate TuneSelect, press and hold the ENTER button at anytime during the playing of a particular song. When TuneSelect is activated, you will hear a beep and Song Selected will be displayed on the screen for 2 seconds and then the unit will revert to the previous screen information. When one of your designated songs begins playing on any other channel, your unit will beep and SONG FOUND and the channel number and song name will display on the screen. To go to that song, simply press the ENTER button. If no action is taken within 8 seconds, your unit will revert to the previous screen information of the currently selected channel and TuneSelect will be de-activated for that song only until the unit is powered off and powered on for the next listening session.

Managing TuneSelect Songs

To erase some or all of the songs identified in memory with TuneSelect, press the DISP/MENU button and using the tuning wheel, scroll to the TuneSelect option. Press ENTER to select. You will have the option to erase all songs or only selected songs. TuneSelect can accommodate up to 15 selections. Once 15 songs are selected, adding new songs will automatically replace the oldest song in the list.

Jump

Pressing on the remote causes the radio to revert to the last channel selected immediately prior to the current selection. A second press of returns you to the original channel played prior to initiating the jump process. With this feature, you can cycle back and forth between two channels.

Scan

You can scan through channels in one of the following ways:

Scan presets

When in the PRESET mode (in preset bank A, B or C), pressing scrolls you through the preset channels in the active bank only. The unit scans channels beginning with the next preset higher in number than the current preset.

Scan Category

When in the CATEGORY SEARCH mode, pressing scrolls you through the channels in the current category only, beginning with the next higher channel than the current channel.

Scan All

When in DIRECT mode, pressing scrolls you through all channels, beginning with the next higher channel than the current preset.

Each channel scanned will play audio for 5 seconds after which the radio tunes to the next channel in the scanning order. To lock onto a particular channel, press or within 5 seconds. Locking onto a channel automatically exits you from the scan mode. You can also exit the scan mode without making a selection by pressing any of the following , or ▲ ▼. XMCommander returns to the mode in which it operated prior to entering scan mode.

Reference

Taking Care of Your XMCommander

(Failure to follow these instructions may result in personal injury or damage to your XMCommander or to your vehicle.)

• Use only a soft, dry cloth to clean the outside of your XMCommander and any peripherals.
• Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia or abrasives.
• Do not allow liquids to spill on the unit.
• Do not use sprays near your XMCommander.
• It is best to keep XMCommander out of direct sunlight or other sources of extreme heat.
• Avoid placing XMCommander in a setting where air cannot circulate around the unit.

Warranty

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this productor 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 AEXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT. This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HERE UNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 48 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSE-QUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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128-7351

Troubleshooting

Your XMCommander is designed and built to provide you with trouble-free performance without the need for service. If it does not appear to be functioning correctly, please make sure all connectors are properly attached and follow these troubleshooting steps:

If you see this on the display:	You should:
NO SIGNAL Cause: The XM signal is being blocked.	The message should disappear as soon as you move out of an obstructed area such as an indoor garage. If the problem persists, make sure your antenna is mounted outside and on top of your car with a clear view of the sky.
ANTENNA Cause: Antenna connector may not be securely seated. Cable may be damaged.	Make sure antenna is correctly attached to the receiver and that antenna cable is undamaged and free from kinks. Turn the XMCommander off and back on to reset this message.
OFF AIR Cause: The channel selected is not currently broadcasting.	Tune to another channel.

If this happens:	You should:
You do not receive all XM channels. Cause: Your XMCommander is not activated.	Contact XM as described in "Getting Started: Activating XMCommander" on page 2.
The audio sounds distorted	Reduce audio output level as described under "Menu Commands and Settings: Set Level" on page 7.
The audio level is too low	Increase audio output level as described in "Menu Commands and Settings: Set Level" on page 7.
You cannot tune in to a channel	Verify that you are authorized to receive that channel as part of your subscription with XM and that you have not asked XM to block that channel on your XMCommander unit.
No song title or artist name displays	Nothing is wrong with your receiver. This is normal on many talk and news channels where there is no song playing. Also, this information may not be available for some music channels.

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