



TriplePlay

MULTIZONE SATELLITE
AUDIO RECEIVER

Thank You!	3
Installing TriplePlay.....	3
• Parts List.....	3
• Positioning the Antenna	4
• Housing TriplePlay.....	5
Activating TriplePlay.....	5
Operating TriplePlay.....	6
• Default Display	6
• Powering On TriplePlay	8
• Changing Zones	8
• Changing Categories.....	8
• Changing Tuning Mode	8
• Changing Channels.....	8
• Setting and Recalling Presets.....	9
Configuring Options	9
• Entering SETUP Mode	9
• Blocking Channels	9
• Skipping Channels.....	10
• Displaying XM ID Numbers	11
• Displaying Signal Strength	11
Using the Remote Control.....	12
Integration with Distributed Audio Control Systems	13
Technical Assistance	13
Music and Entertainment Streams.....	13
12 Month Limited Warranty.....	134

Thank You!

Thank you for choosing the world's finest high-fidelity, 3-zone satellite radio receiver. Antex Electronics' TriplePlay™ uses the revolutionary XM® Satellite Radio technology.

Hardware and required basic monthly subscription sold separately. Premium Channels available at additional monthly cost. Installation costs and other fees and taxes, including a one-time activation fee may apply. All fees and programming subject to change. Channels with frequent explicit language are indicated with an XL. Channel blocking is available for XM radio receivers by calling 1-800-XMRADIO. Subscriptions subject to Customer Agreement available at xmradio.com. Only available in the 48 contiguous United States. XM® is a registered trademark of XM Satellite Radio Inc. ©2005 XM Satellite Radio Inc. All rights reserved. **This unit requires a monthly subscription from XM Satellite Radio.** To subscribe, contact XM on the Web at www.xmradio.com or by phone at 1-800-XM-RADIO (or 1-800-967-2346).

Over 150 Channels

There's a world beyond AM and FM. XM Satellite Radio. Over 150 channels of music, news, sports, comedy, talk, and entertainment. Coast-to-coast coverage. Digital quality sound. Commercial-free music channels.

XM-3000 TriplePlay lets you select from a variety of commercial-free music channels, 24 hours a day, 7 days a week. Hear today's hits to R&B oldies to classical masterpieces, from authentic country and real bluegrass to cool jazz, hot Latin, reggae, rock, dance, new age and even kid's music. You can relive the music of your memories on the Decades channels which authentically recreate each era—the '40s through the '90s—from the sound up.

TriplePlay also gives you instant access to world-class news, sports and talk and entertainment from CNN, BBC World Service, CNBC, ABC News & Talk, Bloomberg News, ESPN, and FOX Sports, E! Entertainment, VH1, and Discovery, and 21 dedicated Channels of XM Instant Traffic & Weather powered by Traffic

Pulse and The Weather Channel. Your kids will enjoy TriplePlay, too, with Radio Disney, wacky original content, plus programming from partners like Sesame Workshop and the Sesame Street people.

Three Listening Zones

TriplePlay gives you the option to select programming for three independent listening zones and independently control the operation of the receiver within each of those zones. With TriplePlay, you can listen to the latest Top 10 in your living room, sports in the family room, and the latest breaking news around the world in your bedroom.

For the most up to date music and entertainment streams, go to www.xmradio.com.

Installing TriplePlay

Antex Electronics strongly recommends that the XM-3000 TriplePlay unit and its antenna be installed by a professional installer. Brief instructions are presented here for reference purposes only.

Parts List

Before installing your XM-3000 TriplePlay, make sure you have all the parts listed below:

- XM-3000 TriplePlay unit
- Antenna
- Remote control
- Power cord
- RCA audio cables (3)
- SMA to SMB RF Adapter

Positioning the Antenna

Prior to mounting the antenna or finding a permanent home for your XM-3000 TriplePlay, you first want to validate the position of the antenna.

1. Power on TriplePlay to make sure the unit has power.

You should see a startup screen with Antex and XM logos, followed by the main display (similar to that shown Figure on page 6).

2. Power off TriplePlay, and then connect the audio cables, IR, and RS232 control interfaces to the other components in your audio system.
3. Align the Antenna as follows:



For Indoor installation on a flat surface:

- a) Set antenna on its base on a flat horizontal surface.
- b) Turn the base of the antenna so that the XM logo is facing to the south if you are in the eastern half of the U.S. and to the south/southeast if you are in the western half.
- c) Use the "Signal Strength" screen, as described on page 12, to optimize antenna tilt angle and position.
- d) If necessary, experiment with different locations near a south-facing window or outside.

For outdoor installation or indoor wall mounting:

The antenna can also be attached vertically to an external or internal wall if that is more convenient than placing it on a horizontal surface.

- a) Holding your antenna up, find a wall location that ensures a strong signal.
- b) Attach antenna to the wall using four screws.
- c) Tilt the antenna fully back on the base, place the antenna base on the four screw heads with the antenna pivot at the top, and pull down approximately 1/4 inch until the base is firmly secured. Note that the XM logo will be upside down when the antenna is properly installed.
- d) Tilt the antenna away from the wall/base until the signal strength is optimized.

Your antenna comes with 20 feet of cable. If that is not sufficient to locate the antenna where there is a strong XM signal, purchase a 50-foot cable extension kit. Up to two extensions can be used together for up to 120 total feet of cable. Alternatively, custom lengths of 50 ohm RG58U may be used or extension kits available from third party sources.

4. Power on your sound system and turn the amplifier to a low volume.
5. Power on TriplePlay and tune to channel 1, a free preview channel. Press 0-0-1 on the front panel NUMERIC buttons.

If the system is working, you will hear XM programming on this channel and can proceed to Step 6.

If there is a problem with the antenna connection, the TriplePlay's front panel display will read "Check Antenna." If the antenna does not have a clear path to the satellites, the front panel display will read "No Signal". Reposition the antenna until you hear music playing.

6. Finish installing TriplePlay.
 - a) House TriplePlay in its permanent location. Follow the instructions in the section, "Housing TriplePlay" below.
 - b) Activate the unit following the "Activating TriplePlay" instructions.

Housing TriplePlay

House the TriplePlay unit in a component rack or other suitable location that provides adequate ventilation. **The maximum ambient temperature should never exceed 120 degrees Fahrenheit.**

After mounting the antenna, connect the audio cables (or optional TOSLINK), IR, and RS232 control interfaces to the other components in the system. Turn the volume control of amplifiers to a low level, then connect the power cable to the TriplePlay unit and power it on. A startup screen with Antex and XM logos will appear briefly, followed by the default display (see Figure on page 6).

Tune to channel 1, a free preview channel, by pressing 0-0-1 on the front panel NUMERIC buttons. If the system is working, you will hear XM programming and can proceed to activating the unit. If the front panel display reads "No Signal" or "Check Antenna," reposition the antenna until you hear music playing.

Activating TriplePlay

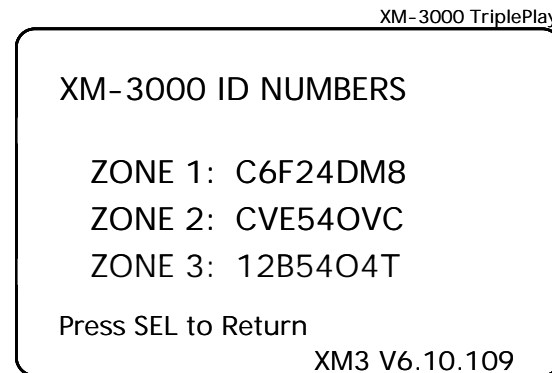
After the channel 1 verification test, you must activate your XM-3000 TriplePlay to access all XM channels. To do so you must first obtain the XM ID numbers of your unit; one ID for each of the three independent tuners (hereafter referred to as "zones").

Follow the instructions below to obtain the XM ID numbers and activate your XM radio service. An alternate method if you are already familiar with operation of the unit is to tune each of the three zones to channel 0.

1. Press and HOLD the POWER button for four (4) seconds to access the SETUP menu, as shown below.



2. Press the CHANNEL down button to scroll to "XM-3000 ID NUMBERS," and then press the SELECT button. The XM ID NUMBERS screen, like the one shown below, appears.



3. Record the 8 character ID for each zone in the space below, noting that letters I, O, S and F are not used and that the number zero has a line running diagonally through it.
 ZONE 1 ID: _____
 ZONE 2 ID: _____
 ZONE 3 ID: _____
4. Press the SELECT button to return to the default display.
5. Activate your XM radio service by calling XM at 1-800-XM-RADIO (1-800-967-2346). A friendly listener care representative will assist you in activating your unit.

Customers should have their Radio ID ready; the Radio ID can be found by selecting channel 0 on the radio.

Operating TriplePlay

XM-3000 TriplePlay provides intuitive control of its various functions via its front panel buttons as shown in Figure 2 on the next page, the remote control, its hardwired IR, and the RS232 port (for local and remote operation). TriplePlay is essentially three completely independent XM satellite tuners—that is “zones”—each of which can be tuned independently so that different audio channels play in different rooms.

Within each zone you can:

- Change channels and music categories
- Punch in a channel number to tune to it directly
- Set and tune to preset channels—10 in each zone.

You can also use the SETUP menu to block specific channels, as well as add and skip channels. Instructions for all these features are provided in this section.

Default Display

The default display, as shown below, provides information about the channel each zone is currently tuned to, including category name, channel number, channel name, artist name, and song title.

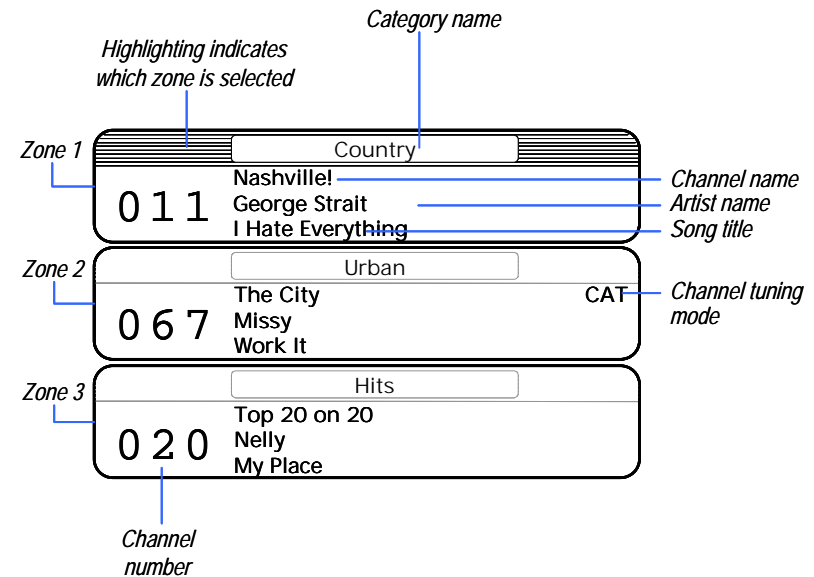


Figure 1 Highlighting indicates which zone is selected.

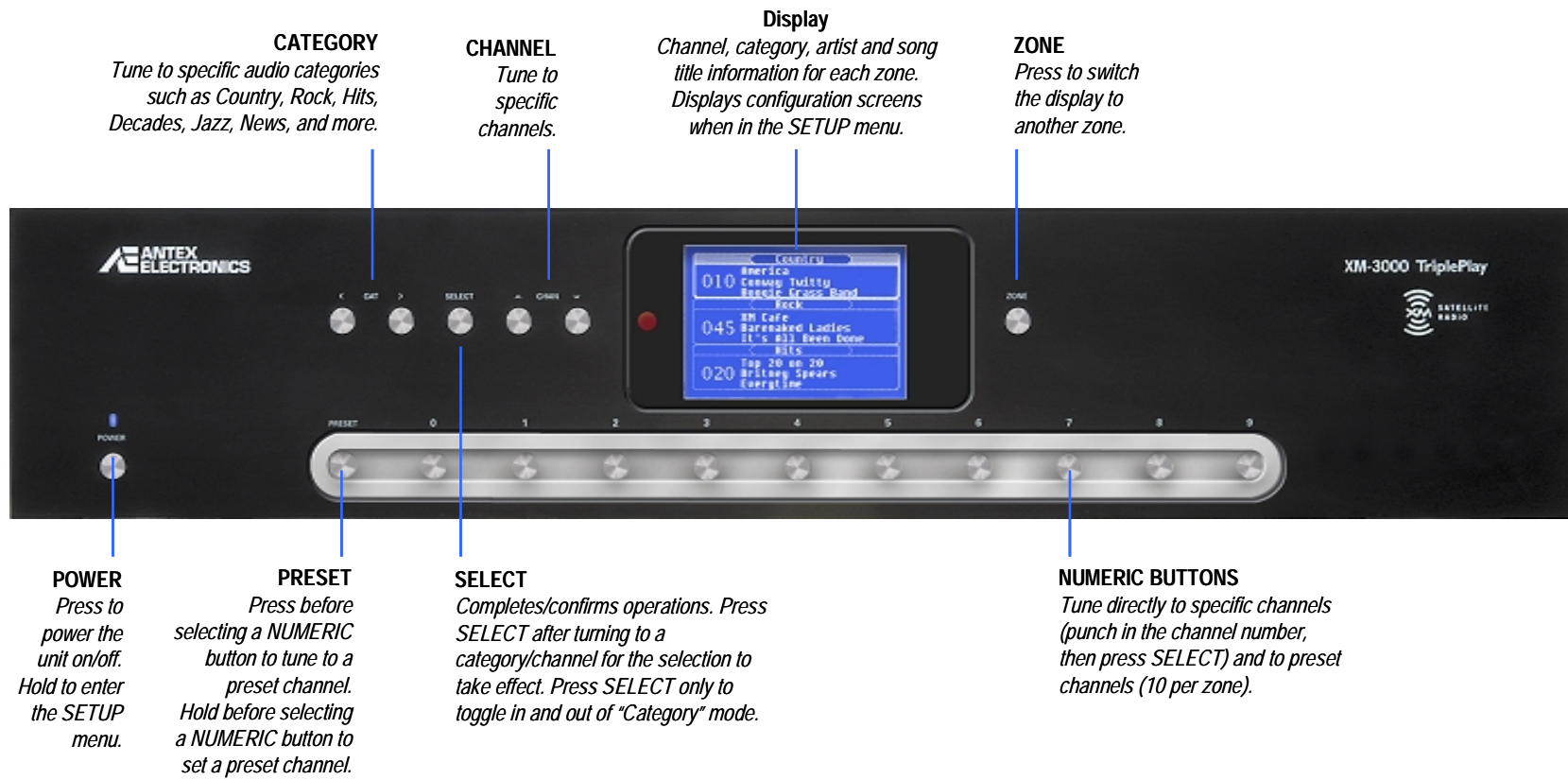


Figure 2 TriplePlay buttons and multi-zone display.

Powering On TriplePlay

With the unit and antenna properly installed, and the unit activated, press and release the POWER button to turn on the unit. The XM and Antex logos will appear for 2 seconds, followed by the default display. (If the SETUP menu appears, you held the POWER button too long. Press the SELECT button to return to the default display).

Changing Zones

The ZONE button is used to select the zone in which you want to change categories or channels. Press the ZONE button to cycle through the three zones in sequence. A highlighted zone in the default display (for example, zone 1 in Figure 1) is the one to which any channel and category changes are applied.

The zones corresponding to audio outputs 1, 2, and 3 are numbered from top to bottom. As shown in Figure 1, zone 1 is at the top of the display, zone 2 in the middle, and zone 3 at the bottom.

Changing Categories

The audio channels of the XM service are conveniently organized into categories such as Hits, Rock, News, Sports, etc. The category of each zone is displayed in the title box of each zone. Press the CATEGORY up/down buttons to tune to a different category, and then press the SELECT button to confirm the category selection. Note that the category name, channel name, artist name, and song title information in the display changes to reflect the new category.

Changing Tuning Mode

TriplePlay supports two modes of channel tuning: Channel mode (default) and Category mode. These modes affect the how the CHAN Up/Down buttons function on the unit or remote control.

When the unit is in Channel mode you can scroll through and select any channel in the entire XM lineup regardless of what category the channel belongs to by pressing the CHAN Up/Down buttons on the front of the unit. Channel mode is the default mode at power up. The second mode supported is the Category mode. When you switch to Category mode the CHAN Up/Down buttons scroll through only the channels within the currently selected category of music. This is particularly useful when, for example, you just want to listen to and scroll through news channels only.

To switch between the two tuning modes, press the SELECT button. By default the unit is in Channel mode. When you press the SELECT button, the unit changes to Category mode. Category mode is indicated on the display by the abbreviation "CAT" on line 2 of the front panel display, as shown in Figure 1 on page 6. Press SELECT again to return to Normal mode. Note that you must press the SELECT button in isolation to change the tuning mode. Do not press any other channel or category buttons before pressing SELECT.

Changing Channels

You can change music channels in either Channel or Category mode using any of the following:

- Channel up/down to scroll through channels
- Numbered buttons to tune directly to a specific channel
- Preset button to tune to a preset channel

Use the **CHANNEL up/down** buttons to scroll through the channels within a zone and/or category. Simply scroll to the channel you desire, and then press the SELECT button to confirm the channel selection. You will notice that the channel name, artist name, and song title information in the display changes to reflect the new channel. Note that you must press the SELECT button within four seconds of choosing a new channel or the channel change does not take effect.

You can also tune to a specific channel directly simply by entering its channel number using the **NUMERIC buttons**.

- When you enter a three-digit channel number, such as 1-5-5, TriplePlay automatically changes to that channel.
- When you enter a two-digit channel number, such as 1-8, you must then press the SELECT button for the channel change to take effect. (If you enter the channel number as 0-1-8, TriplePlay will make the change automatically.)

When preset channels have been set, you can access those presets simply by pressing the PRESET button, then an appropriate numeric button. For example, if preset 0 were set to Rock, preset 1 to Hits, and preset 2 to News, you could jump to the News channel quickly by pressing "PRESET-2." To return to Channel mode, simply press the SELECT button once and navigate normally to any desired channel in the line up.

Setting and Recalling Presets

Each zone can have 10 channel presets (numbered 0 to 9). To assign a preset for the selected zone, first tune to a desired audio channel. Press and hold the PRESET button for one second, followed by a numeric button. For example, if you want to set channel 44 to preset 9, press and hold the PRESET button for one second, then press the numeric button "9." Note that the title bar display changes to "PRESET" to let you know that TriplePlay is ready to assign a preset channel.

To recall a stored preset, press (but don't hold) the PRESET button and then the desired numeric button (0-9). Once the desired preset has been entered the user must press the SELECT button once to return to Channel mode operation.

Configuring Options

TriplePlay's SETUP mode allows you to configure TriplePlay options (blocking, skipping, and adding channels) and obtain the unit's XM ID numbers for activation.

Entering SETUP Mode

To enter the SETUP mode, press and hold the POWER button for four seconds. The menu shown in Figure 3 appears.

Note that in SETUP mode, the CHANNEL up/down buttons are used to scroll through the menu options and the SELECT button is used to confirm selections.



Figure 3 SETUP mode menu.

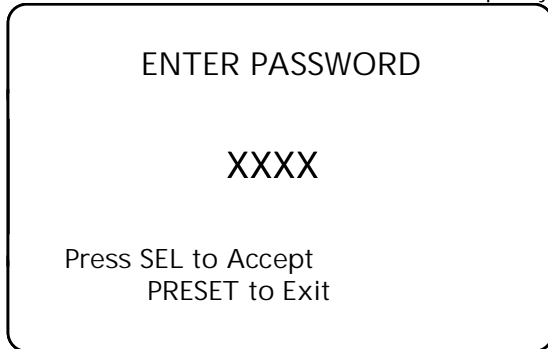
Blocking Channels

Using the Parental Control feature, you can block specific channels so that they can be accessed only with a pass code that you define. Parents find this feature useful for preventing their children access to specific content.

To block a channel:

1. Press and hold the POWER button to enter SETUP mode.
2. Press the CHANNEL down button to highlight "PARENTAL CONTROL," and then press the SELECT button. A screen similar to that shown below appears.

XM-3000 TriplePlay



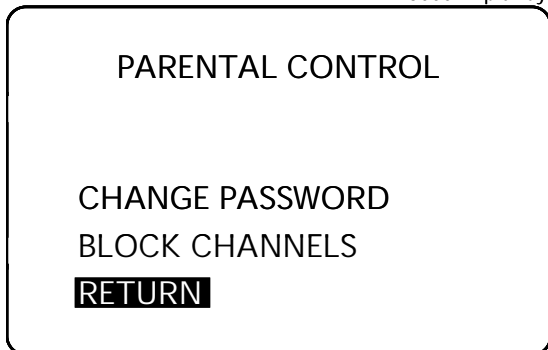
"XXXX" will appear for the password. You must set a password (if this is the first time at this menu) or enter a previously set password to proceed. Be careful to use a familiar number. Write this number down for future reference.

Pass code: _____

3. Enter 4 digits with the numeric buttons or remote, and then press SELECT. (To exit this menu without setting or entering the password and return to the previous menu, press the PRESET button.)

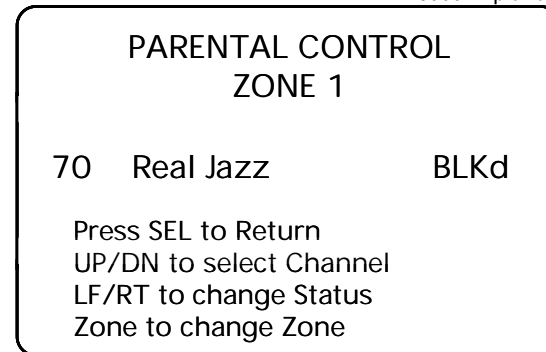
After you have entered the password successfully, the following menu will appear. Note that you can change the password by repeating steps 1 through 3.

XM-3000 TriplePlay



4. Scroll to highlight "BLOCK CHANNELS", and then press the SELECT button. A menu similar to that shown below appears.
 - Use the CHANNEL up/down buttons to scroll to the channel you want to block.
 - Use the CATEGORY left/right buttons to toggle the status between blocked "BLKd" or unblocked "NRML".
5. Block (or unblock) as many channels as you choose. When finished, press the SELECT button to return to the default display.

XM-3000 TriplePlay



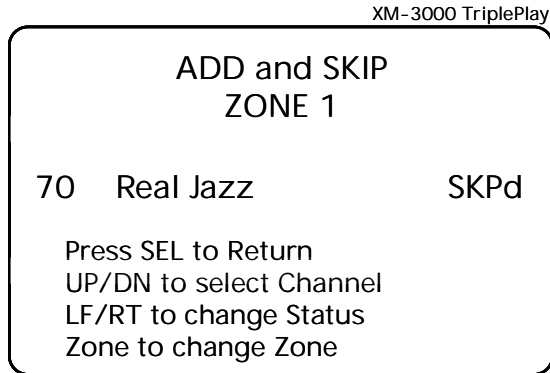
Skipping Channels

In the course of using TriplePlay you may find that there are specific channels you prefer not to listen to and would rather skip over. Using TriplePlay's SKIP feature, you can program the unit to skip over these channels when scrolling using the CHANNEL up/down buttons or remote control. (Note that you can still access the "skipped" channels using the direct tune method.)

To configure a channel to be skipped when scrolling:

1. Press and hold the POWER button to enter SETUP mode.
2. Press the CHANNEL down button to highlight "ADD OR SKIP," and then press the SELECT button. A screen similar to that shown on the next page appears.

- Use the CHANNEL up/down buttons to scroll to the channel you want to skip (or add back a currently skipped channel).
- Use the CATEGORY left/right buttons to toggle the status between skipped "SKPd" or not skipped "NRML".

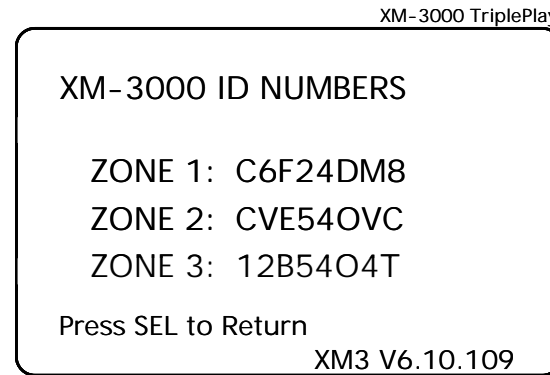


3. Add and Skip as many channels as you prefer. When finished, press the SELECT button to return to the default display.

Displaying XM ID Numbers

After initial activation it is unlikely that you will need to access the XM ID numbers again. If you do, please follow the instructions below.

1. Press and hold the POWER button to enter SETUP mode.
2. Press the CHANNEL down button to highlight "XM ID NUMBERS," and then press the SELECT button. A screen similar to that shown below appears.

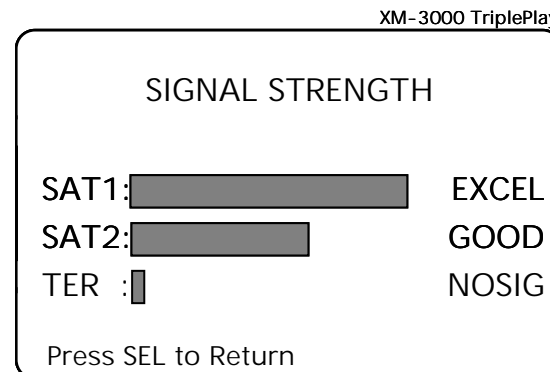


3. Press the SELECT button to return to the default display.

Displaying Signal Strength

To assist in the installation of the unit, an accurate measure of the received signal strength of both XM satellites and the Terrestrial signal may be displayed in bar graph form. To access this display, please follow the instructions below.

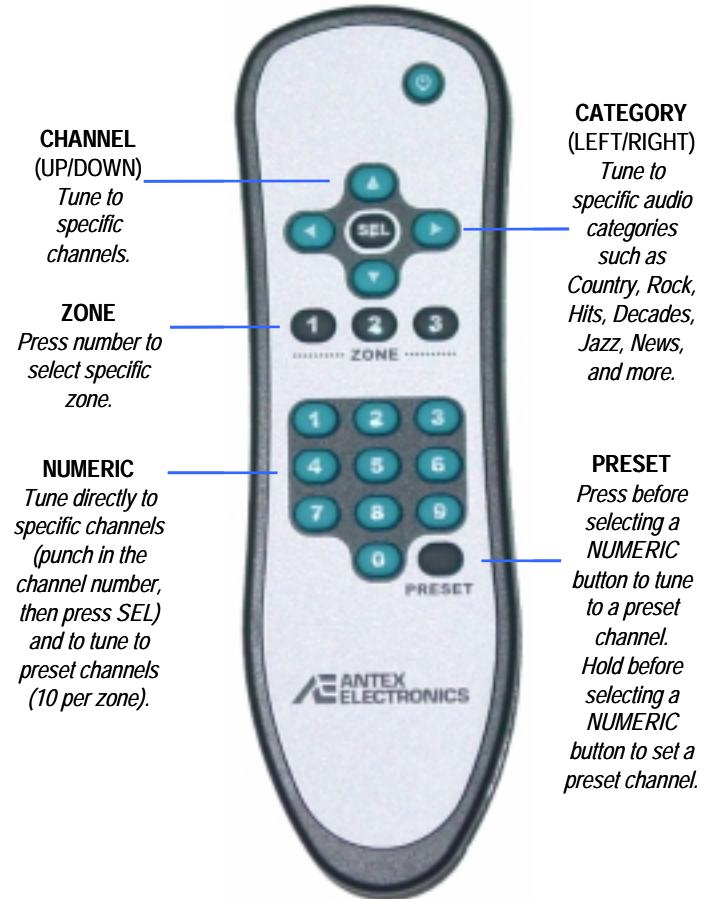
1. Press and hold the POWER button to enter SETUP mode.
2. Press the CHANNEL down button to highlight "Signal Strength," and then press the SELECT button. A screen similar to that shown below appears.



- The signal strength for each source is indicated a bar graph (a larger bar is better). In addition, a one word summary of the signal strength of each of the 3 sources appears to the right of the display. The antenna should be positioned to simultaneously maximize all three signal sources to the best extent possible. Note that non-urban areas may have no Terrestrial signal and that both satellites require an unobstructed southern sky view - SAT1 is stationed over the eastern United States, SAT2 is stationed over the western United States.
- When finished, press the SELECT button to return to the default display.

Using the Remote Control

TriplePlay's remote control provides identical functionality to the buttons on the front panel.



12 Month Limited Warranty

Antex Electronics Corporation, (the Company) warrants to the original 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 of the original date of purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (i.e. dated sales receipt), specification of the defect(s), and transportation prepaid to the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or damage to other components.

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 of any factory applied markings. 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.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING AN IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 12 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL 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.

Antex Electronics Corporation
19821 Hamilton Ave.
Torrance, CA 90502
(310) 532-3092