

## Using XM Satellite Radio

### Listening to XM Satellite Radio® (North American Models Only)

#### Important XM Radio Information

XM Satellite Radio offers an extraordinary variety of commercial-free music, plus the best in sports, news, talk and entertainment. XM is broadcast in superior digital audio from coast to coast. From rock to reggae, from classical to hip hop, XM has something for every music fan. XM's dedication to playing the richest selection of music is matched by its passion for live sporting events, talk radio, up-to-the-minute news, stand-up comedy, children's programming, and much more. For U.S. customers, information about XM Satellite Radio is available online at [www.xmradio.com](http://www.xmradio.com). For Canadian customers, information about XM Canada is online at [www.xmradio.ca](http://www.xmradio.ca).

#### Note:

Hardware and required monthly subscription sold separately. Other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. 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 (US residents) and 1-877-GET-XMSR (Canadian residents).

For a full listing of the XM commercial-free channels and advertising-supported channels, visit [lineup.xmradio.com](http://lineup.xmradio.com) (US residents) or [xmradio.ca](http://xmradio.ca) (Canadian residents).

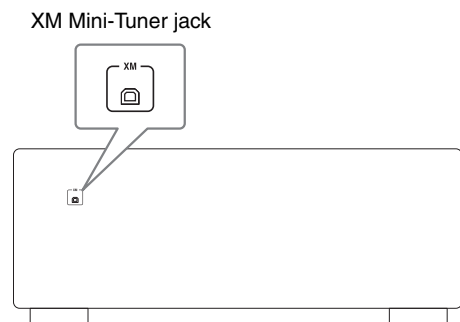
Subscriptions subject to Customer Agreement available at [xmradio.com](http://xmradio.com) (US residents) and [xmradio.ca](http://xmradio.ca) (Canadian residents). Only available in the 48 contiguous United States and Canada. ©2007 XM Satellite Radio Inc. All rights reserved. All other trademarks are the property of their respective owners.

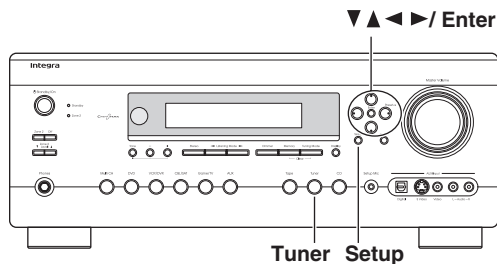
#### A warning against reverse engineering:

It is prohibited to, and you agree that you will not, copy, decompile, disassemble, reverse engineer, hack, manipulate, or otherwise access and/or make available any technology incorporated in receivers compatible with the XM Satellite Radio system. Furthermore, the AMBE® voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc. The software is licensed solely for use within this product. The user of this or any other software contained in an XM Radio is explicitly prohibited from attempting to copy, decompile, reverse engineer, hack, manipulate or disassemble the object code, or in any other way convert the object code into human-readable form.

#### Connecting the XM Mini-Tuner and Home Dock

To receive XM Satellite Radio, you need an XM Mini-Tuner and Home Dock, which includes a home antenna. These are sold separately. For connection information, refer to the instruction manual supplied with the XM Mini-Tuner and Home Dock.





## Setting the Satellite Radio Mode

Before you can listen to XM Satellite Radio, you must set the Satellite Radio mode to XM.

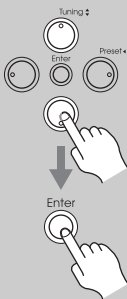
1



On the AV receiver, press the [Setup] button.

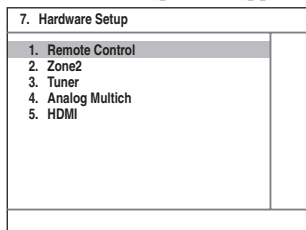
The main menu appears onscreen.

2



Use the Up and Down [▲]/[▼] buttons to select “7. Hardware Setup,” and then press [Enter].

The Hardware Setup menu appears.

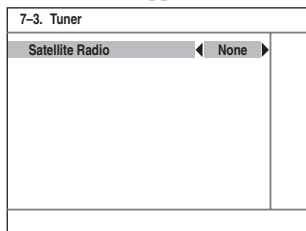


3

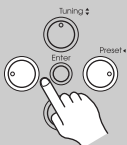


Use the Up and Down [▲]/[▼] buttons to select “3. Tuner,” and then press [Enter].

The Tuner menu appears.



4



Use the [◀]/[▶] buttons to select “XM.”

Pressing the [◀]/[▶] buttons cycles through the following SAT options:

None → XM → SIRIUS.

**None:** Select if you’re not using Satellite Radio.

**XM:** Select to use XM Satellite Radio.

**SIRIUS:** Select to use SIRIUS Satellite Radio.

5



Press the [Setup] button.

The setup menu closes.

## Selecting XM Satellite Radio

1



Press the [Tuner] input selector button repeatedly to select XM.

If “CHECK XM TUNER” appears on the display, make sure the XM Mini-Tuner is connected properly.

## Signing Up for XM Satellite Radio

Once you have installed the XM Mini-Tuner and Home Dock, you are ready to subscribe to XM Satellite Radio. You’ll need a major credit card and your XM Radio ID. There are three places you can find your 8-character XM Radio ID:

1. On the XM Mini-Tuner
2. On the XM Mini-Tuner packaging
3. On XM Channel 0, as explained below

1



Use the Tuning Up and Down [▲]/[▼] buttons to select RADIO ID.

Your XM Radio ID number is displayed. Write it below for reference.

ID \_\_\_\_\_

2

To sign up, go to:  
<http://activate.xmradio.com>  
 Or call: 1-800-967-2346  
 For XM Canada, go to:  
<http://xmradio.ca>  
 Or call: 1-877-438-9677

### Notes:



- RADIO ID cannot be selected in Category Search mode. You must select Channel Search mode (see page 3).
- The following letters are not used in XM Satellite Radio IDs: I, O, S, F.
- XM Satellite Radio will transmit a special signal to your AV receiver to activate the full channel lineup. Activation normally takes between 10 and 15 minutes, but during busy peak periods, you may need to leave the AV receiver turned on for up to an hour.

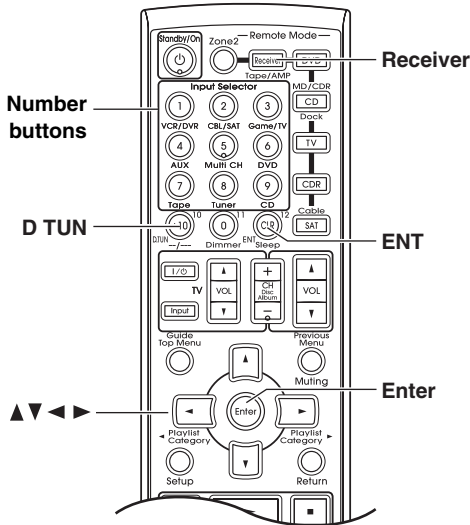
## Selecting XM Radio Channels

There are three ways to select XM radio channels:

- **Channel Search mode:** select any channel.
- **Category Search mode:** select channels by category.
- **Direct tuning:** enter channel number.



### Note:

You cannot select Channel Search or Category Search mode while the Tuning Arrow   indicators are flashing, as tuning is in progress.






## Channel Search Mode

**1** Press the [Receiver] button, followed by the [Enter] button to select "Channel Search" mode.



ChannelSearch

**2** Use the Up and Down []/[] buttons to select a channel.





050 The Loft

Channel number      Channel name





You can also use the Left and Right []/[] buttons to select a category.

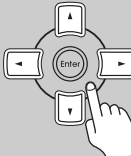
## Category Search Mode

**1** Press the [Receiver] button, followed by the [Enter] button to select "Category Search" mode.

CategorySearch



**2** Use the Left and Right []/[] buttons to select a category, and use the Up and Down []/[] buttons to select a channel in that category.



## Direct Tuning


You can select an XM radio channel directly by entering its number.

**1** Press the [Receiver] button, followed by the [D TUN] button. The [Receiver] button flashes.

XM .....

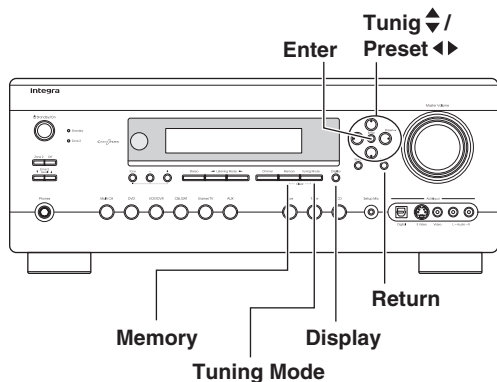
**2** Within 8 seconds, use the number buttons to enter the channel number.



The channel is selected.

For example, to select channel #20, press 0, 2, 0, or 2, 0, [ENT].

**Note:** While the [Receiver] button is flashing, the input source cannot be changed by using the remote controller.

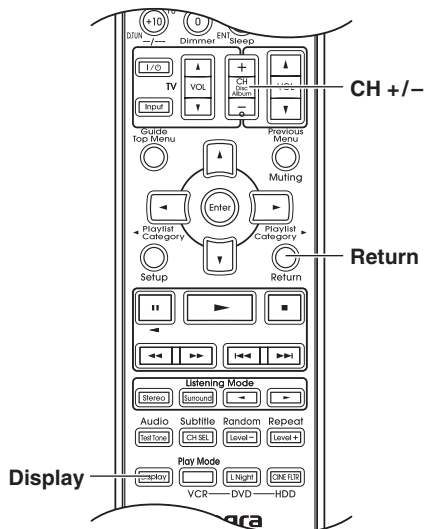


### Selecting the Previous Channel:

**1** To listen to the previously selected XM channel, press the [Return] button.

AV receiver  
Return

Remote controller  
Return



### Selecting XM Channels from the Front Panel:

**1** Press the [Tuning Mode] button to select "Channel Search" or "Category Search" mode.

Tuning Mode

**2** Use the Preset [ $\leftarrow$ ]/[ $\rightarrow$ ] buttons repeatedly to select a category.

Tuning  $\updownarrow$   
Enter  
Preset  $\leftarrow\rightarrow$

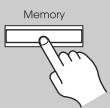
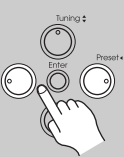

**3** Use the Tuning Up and Down [ $\blacktriangle$ ]/[ $\blacktriangledown$ ] buttons to select a channel.

Tuning  $\updownarrow$   
Enter  
Preset  $\leftarrow\rightarrow$

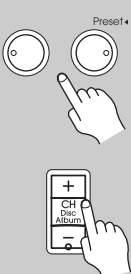
In Channel Search mode, you can select any channel.  
In Category Search mode, you can only select channels from the currently selected category.

## Presetting XM Channels

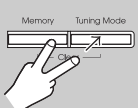
You can store a combination of up to 40 of your favorite XM channels and AM/FM radio stations as presets.

<b>1</b>	<b>Tune into the XM channel that you want to store as a preset.</b>
<b>2</b> 	<b>Press the [Memory] button.</b> The preset number flashes.
<b>3</b> 	<b>While the preset number is flashing (about 8 seconds), use the Preset [◀]/[▶] buttons to select a preset from 1 through 40.</b>
<b>4</b> 	<b>Press the [Memory] button again to store the channel.</b> The channel is stored and the preset number stops flashing. Repeat this procedure for all of your favorite XM channels.


### ■ Selecting Presets

<b>1</b> 	<b>To select a preset, use the Preset [◀]/[▶] buttons, or the remote controller's CH [+/-] button.</b>
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### ■ Deleting Presets

<b>1</b>	<b>Select the preset that you want to delete.</b> See the previous section.
<b>2</b> 	<b>While holding down the [Memory] button, press the [Tuning Mode] button.</b> The preset is deleted and its number disappears from the display.

## Displaying XM Radio Information

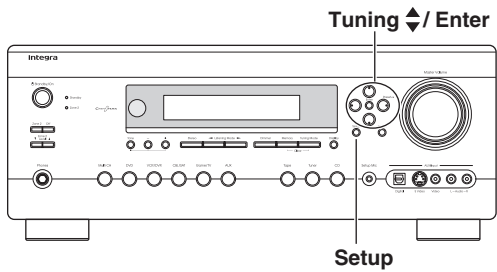
<b>1</b> 	<b>Press the [Display] button repeatedly to cycle through the available information.</b>
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The following information can be displayed:

Channel name	XM The Loft
Channel number & preset number	XM 050 5 <sup>ch</sup>
Category	CAT >Rock
Artist	NAME>Coldplay
Song title	TITL>Clocks
Listening mode	XM Stereo

#### Note:

- If the category, artist, or song title is not available, “- - -” will be displayed instead.



## Positioning the XM Mini-Tuner System

You can check the signal strength of the XM radio signal and adjust the position of the XM Mini-Tuner System accordingly.

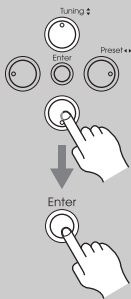
**1**



**On the AV receiver, press the [Setup] button.**

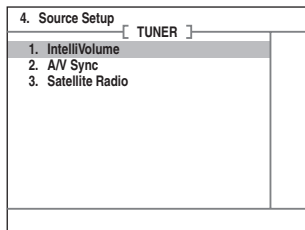
The main menu appears onscreen.

**2**

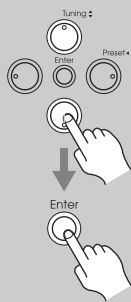


**Use the Up and Down [▲]/[▼] buttons to select “4. Source Setup,” and then press [Enter].**

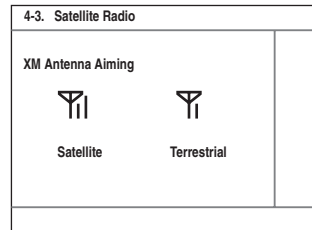
The Source Setup menu appears.



**3**



**Use the Up and Down [▲]/[▼] buttons to select “3. Satellite Radio,” and then press [Enter].**  
The Satellite Radio menu appears.



**Adjust the position of the XM Mini-Tuner Antenna so that the SAT/TER signal strength bar is as long as possible.**

The best signal is achieved when the antenna is pointing to the southern sky through an unobstructed window.

Terrestrial (TER) signals are only available in certain areas.

So long as the signal strength is good, you can enjoy XM Radio by using either satellite or terrestrial reception.

## XM Radio Messages

The following messages may appear while using XM radio.

### CHECK ANTENNA

CHECK ANTENNA

The XM antenna is not properly connected to the Mini-Tuner Dock. Check the connection. Check the antenna cable for damage.

### UPDATING

UPDATING

XM is updating your Mini-Tuner with the latest encryption code. Simply wait a few seconds until the update is done. OR, You may be attempting to tune to a channel that is blocked or that you cannot receive with your subscription package. To receive that channel, contact XM Satellite Radio.

### NO SIGNAL

NO SIGNAL

The XM Mini-Tuner can not receive the satellite signal. Check the XM antenna for obstructions to the southern sky. Check the antenna positioning with the Antenna Aiming feature.

### LOADING

LOADING

The AV receiver is tuning or decoding audio or text data. Please wait. If this occurs often, check the XM antenna position with the Antenna Aiming feature.

### OFF AIR

OFF AIR

The XM channel you selected is not currently broadcasting. Select another channel.

### UPGRADE XM TUNER

UPGRADE XMTUNER

The connected XM CNP-1000 is incompatible. The AV receiver features advanced technology that is designed for use with the XM Mini-Tuner. Contact XM Listener Care and ask about upgrading your XM CNP-1000 to an XM Mini-Tuner. Have the AV receiver's model name and CNP-1000 XM ID number ready beforehand, and explain that the AV receiver is displaying the message "Upgrade XM Tuner." If you already have an XM Mini-Tuner connected and you see this message, turn off the AV receiver, make sure the XM Mini-Tuner is properly seated in the Mini-Tuner Dock, and then turn the AV receiver back on again. If the message reappears,

contact XM Listener Care and explain the issue that you're experiencing and the corrective actions you've tried.

### CHECK XM TUNER

CHECK XM TUNER

The AV receiver is having difficulty communicating with the XM Mini-Tuner module. Make sure the XM Mini-Tuner is properly seated in the Mini-Tuner Dock. And make sure the Mini-Tuner Dock cable is properly connected to the AV receiver and is not damaged. If the issue persists, contact XM Listener Care. Have the AV receiver's model name ready beforehand, and explain the issue that you're experiencing and the corrective actions you've tried.

### Unavailable Channel

XM ---

You may be attempting to select a channel that is unavailable or has changed to a different channel number. Check [xmradio.com](http://xmradio.com) for the latest channel listing.

#### XM Listener Care phone number:

**US: 1-800-967-2346**

**Canada: 1-877-438-9677**

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