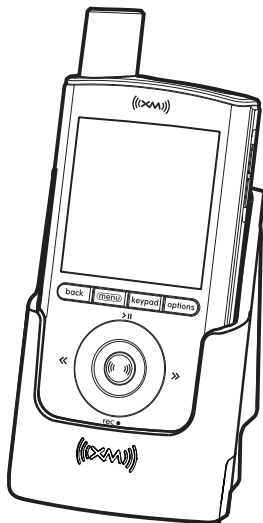




Car Kit Installation Guide

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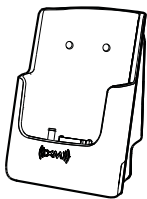
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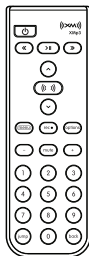
## Welcome to XM

Thank you for purchasing the Xmp3™ Radio Car Kit. This guide walks you through the installation of your new car kit and helps get you set up and listening fast.

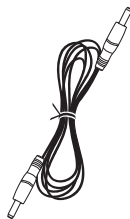
## What's in the box?



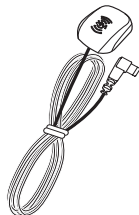
car cradle



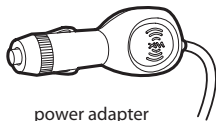
remote control



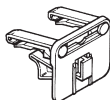
audio cable



XM car antenna



power adapter



vent mount



swivel mount



swivel mount  
preparation kit

# Introduction

## Remote Control functions

### Power Button

### 30-Minute Replay Buttons

Pause and replay up to 30 minutes of live XM content.

### XM Button/Select

Press to confirm selections.

### Menu

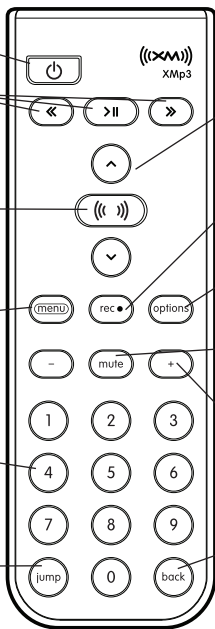
Go to My Music Library, access advanced features and configuration options or info extras information.

### Number Keys

Enter a channel directly.

### Jump

Switches between current channel and previous channel.



### Arrow Buttons

Select menu entries, change channels.

### Record

Record a song or channel.

### Options

TuneSelect, bookmarks, add channel to favorites, set channel to auto record, and view programs for channel.

### Mute

Silences live, saved songs, and replayed XM content.

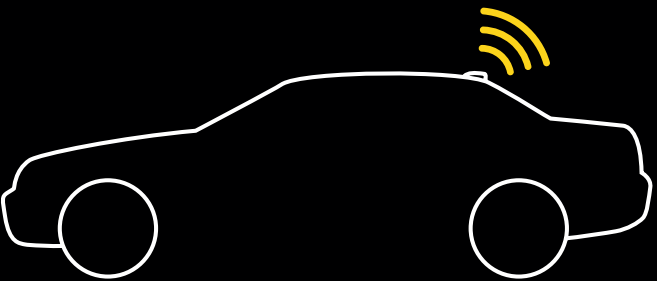
### + and -

Change channels or control volume for audio system (sold separately).

### Back

Return to previous screen. Press and hold to return to the previous channel.

# Vehicle Installation



# Vehicle Installation

## Step 1: Plan the Installation

- 1 Select an area on the dashboard you want to place the car cradle. This is where you will install the swivel or vent mount.



**TIP!** An adhesive pad is used to mount the swivel mount to the dashboard. The adhesive requires 24 hours to cure. Make sure you provide yourself the proper amount of time to install your car kit. See *Step 3: Install the Swivel or Vent Mount* for more information.

- 2 Determine which connection method you plan to use in order to receive the XM signal:
  - Audio Cable (Included)
  - XM SureConnect (sold separately)
  - Cassette Adapter (sold separately)
  - FM Direct Adapter (sold separately)



### **WARNINGS:**

- When using this product, it is always important to keep your eyes on the road and hands on the wheel. Not doing so could result in personal injury, death, and/or damage to your XMp3 radio, accessories, and/or to your vehicle or other property.
- Your XMp3 radio should be placed in your vehicle where it will not interfere with the function of safety features, e.g., deployment of airbags. Failure to correctly place your XMp3 radio may result in injury to you or others, if the unit becomes detached during an accident and/or obstructs the deployment of an airbag.

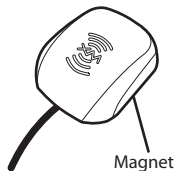
## Step 2: Mount the XM Car Antenna

- 1 Place the car cradle on the dashboard. You will connect it to the swivel or vent mount later on.
- 2 Select a suitable location on the outside of your car for the XM car antenna. For example, on the roof near the windshield or rear window.



**TIP!** When selecting a location, consider any accessories that your car has, such as a luggage rack, and how often you use the accessories. Select a location where the XM car antenna won't be covered or blocked as this could interfere with signal reception.

- 3 Gently place the XM car antenna in the location you selected. The antenna has a strong magnet that sticks to any metallic surface.



**TIP!** Make sure the door does not pinch the cable when closed.

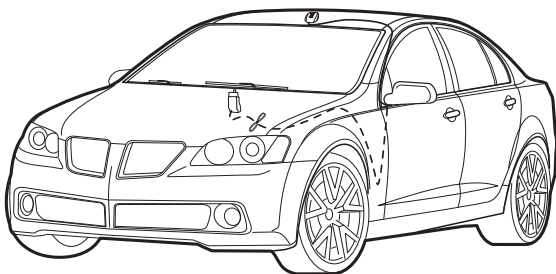
**TIP!** Always cross the weather seals at the lowest point possible to reduce water leaks.

**TIP!** Always hand wash or use brushless or touch-free car washes.

# Vehicle Installation

## 4. Route the cable:

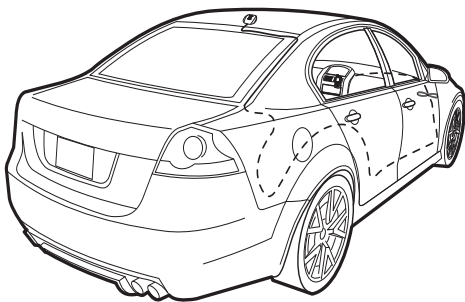
- If you placed the XM car antenna on the **front** of the vehicle, route the cable across the top of the windshield. Gently pry up the rubber weather seal and tuck the cable underneath. Follow the weather seal down the side of the windshield to the door jam. Tuck the cable into the door jam and then under the floormat to the car cradle.



- If you placed the XM car antenna on the rear of the vehicle, route the cable under the weather seal of the rear window. Tuck the antenna cable around and down the window to the lowest point, just above the trunk.



- Next, route the cable from the rear window molding into the weather stripping around the trunk opening. Run the cable into the trunk and then into the rear passenger compartment. Route the cable through the main compartment by tucking it under the door jam trim or under the carpet and up to the radio.



- 5 Make sure any excess cable does not interfere with vehicle operations.



**TIP!** Always be careful to include enough slack in your cable to accommodate open doors or trunk lids. Use things typically found around the home, like electrical tape, to secure cables in areas so that hinges do not pinch the cable with the door. Hide any excess cable in the trim.

# Vehicle Installation

## Step 3: Install the swivel or vent mount

You can use either the included swivel mount or vent mount for your XMp3 radio depending on your vehicle interior.

### Installing the swivel mount



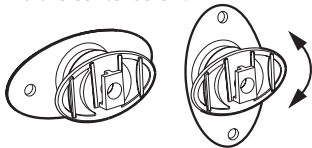
**CAUTION!** The adhesive used with the swivel mount may make it difficult to remove. Do not install this mount on leather surfaces and make sure the air temperature is at least 60°F (15°C) during installation.

- 1 Locate a flat surface for the mount. Make sure there is ample room for the XM cradle and radio when installed.
- 2 Clean the surface with the preparation kit and let it dry thoroughly.
- 3 Peel off the adhesive liner. Position, press, and hold the swivel mount in place for 30 seconds.



**IMPORTANT!** Let the adhesive cure for 24 hours before attaching the XM cradle and radio to the mount.

- 4 Turn the swivel to accommodate the XM cradle and radio. Adjust the tension via the center screw.



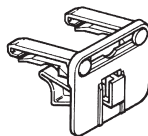
You can adjust this screw to adjust the tension of the mount with a screwdriver.

To remove, carefully lift the adhesive pad with your fingers or a spoon. Warming the pad with a hair dryer for several minutes will help soften the adhesive.

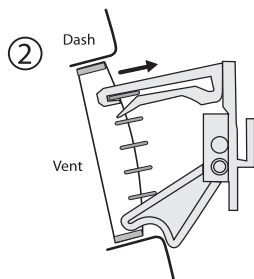
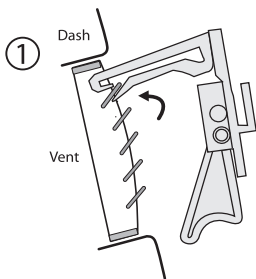
You can reinstall the swivel mount using the extra adhesive pad.

## Installing the vent mount

- 1 Locate a vent with horizontal slats sturdy enough to hold your XM cradle and radio.
- 2 Adjust the clamps to fit your vent.
- 3 Snap the mount onto the vent.



To remove, push the mount into the vent, then lift up.



# Vehicle Installation

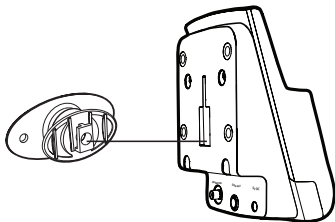
## Step 4: Connect your XMp3 radio

- 1 Plug the antenna jack into **antenna** on the cradle.
- 2 Plug the power adapter jack into **5V DC** on the cradle.



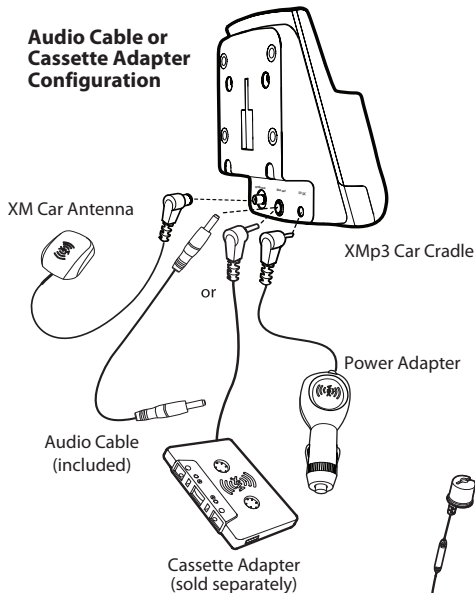
**NOTE!** Some car cigarette lighter/auxiliary power sockets remain powered even when the car is turned off. To avoid battery drain, it is recommended to unplug the power adapter or remove the XMp3 radio from the car cradle if leaving the car unattended for an extended period.

- 3 Plug the audio adapter jack into **line out** on the cradle.
  - Use the **audio cable** (included) if your vehicle has an audio input jack.
  - Use the **cassette adapter** (sold separately) if your vehicle has a built in cassette player
- 4 Insert car cradle onto the mount then slide it down until it feels tightly in place.
- 5 Insert your XMp3 radio into the cradle.

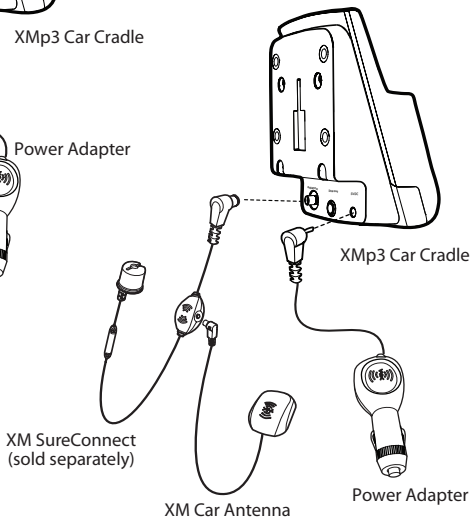


**NOTE!** If your car does not contain a cassette player or an audio input, you will need to use either the XM SureConnect (sold separately) or the FM Direct (sold separately).

## Audio Cable or Cassette Adapter Configuration



## SureConnect Configuration



# Vehicle Installation

- **XM SureConnect** (sold separately): You can listen to your XMp3 radio through your car stereo by using the XMp3 car cradle's built-in FM modulator and the XM SureConnect. Simply find an unused FM frequency on the stereo and set your XMp3 radio to transmit on that same frequency. Refer to Find an FM frequency in your user guide for more information.
- **FM Direct** (sold separately): This option directly connects the XMp3 car cradle to your car's audio system and antenna. A professional installation is recommended if you choose to use this method. Professional installation can help improve your XMp3 radio's reception and significantly reduce the visibility of wires. To learn more, check with the retailer where you bought your radio or go to [www.xmradio.com/accessories](http://www.xmradio.com/accessories)

## Step 5: Turning on your XMp3 radio

- 1 Turn on your car radio.
- 2 Plug in the audio cable or insert the cassette adapter into your car stereo if applicable.
- 3 Turn on your XMp3 radio.



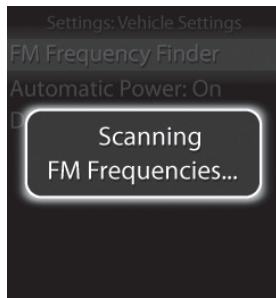
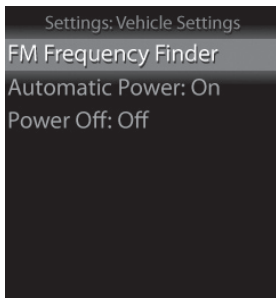
**NOTE:** You may experience a brief delay while your XMp3 radio powers up. If you press the power button during this time, you will see a "Please Wait" message.

## Find an FM frequency

(When using the XM SureConnect or FM Direct.)

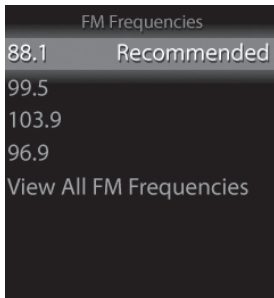
If you are using the SureConnect or FM Direct to transmit audio, you must set the FM frequency on both your XMp3 radio and your car radio.

- 1 Select **menu** → **Settings** → **Vehicle Settings** → **Frequency Finder**.



- 2 Your XMp3 radio automatically scans for all available FM frequencies.

# Vehicle Installation



- 3 You'll see a list of all the frequencies. Turn the **control wheel** to highlight a frequency, then press the **XM button** to select it.
- 4 Set your car radio to the frequency selected.



**TIP!** The best FM frequency to use is displayed at the top of the list. It is recommended to choose that frequency. However, if you are not satisfied with the sound quality, select a different FM frequency within the list (or select View All Frequencies to see 100 frequencies), press the **XM button** on your XMp3 radio, and tune your car stereo to that frequency.



## Set the line out level

To connect the **line out** on the XMp3 car cradle directly to your car's stereo to transmit audio, you can:

- Use your car stereo's audio input called "Aux In" (cable included).
- Use a cassette adapter (sold separately).

Either of these methods will give you the best audio quality. When using either of these methods to transmit audio through your car's stereo, you can adjust the XMp3 radio's audio level to match other audio sources.

- 1** Press **menu** → **Settings** → **Line Out level**
- 2** Spin the wheel to increase or decrease the level.
- 3** Press the **XM button**.

Do not use the Line Out Level menu item as a volume control; use the volume control on your car stereo instead. Line Out Level is used to adjust the volume level to match other audio sources (your CD player, other FM stations, or MP3 player).

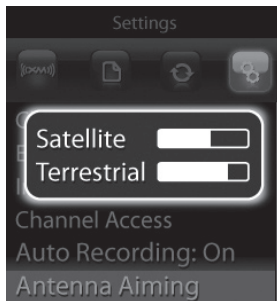
# Vehicle Installation

## Place XM car antenna for best reception

For best reception, your XM car antenna should have an unobstructed view of the XM satellites in the southern sky. In large cities, XM has a network of ground repeaters to help increase the signal coverage.

Your XMp3 radio can help you aim the XM car antenna for best reception.

- 1 Select **menu** → **Settings** → **Antenna Aiming**.
- 2 The Satellite and Terrestrial bars show the level of your current signal.
- 3 Move around your antenna if you are having trouble getting a signal.



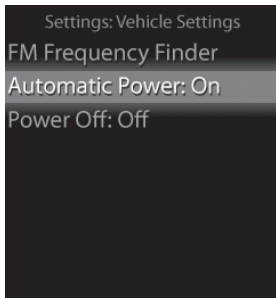
## Automatic power

Usually, your XMp3 radio turns on automatically when it is plugged in and receiving power. You can change this so you must manually turn the radio on/off each time.

- 1 Press **menu** → **Settings** → **Vehicle Settings** → **Automatic Power**.
- 2 Press the **XM button** to toggle **On** or **Off**.



**TIP!** With your XMp3 radio in the car cradle, the remote will not be able to turn it on.

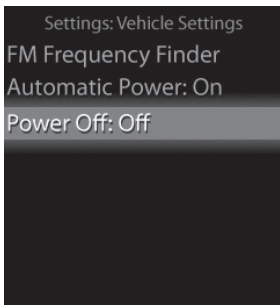


# Vehicle Installation

## Power Off

This option is available if you are using the car cradle and the cigarette lighter is always powered.

- 1 Press **menu** → **Settings** → **Vehicle Settings** → **Power Off**.
- 2 Press the **XM button** to adjust the setting.
  - Choose the amount of time (60, 90, 120, or 180 minutes or Off) that should pass before the radio turns off automatically.
- 3 Press the **XM button**.



# Troubleshooting



# Troubleshooting

The XMp3 radio has been designed and built to be trouble-free but if you experience a problem, try this:

- Check that all connections are firm and secure.
- Make sure the cigarette lighter/auxiliary power socket is clean and free of corrosion.

<b>If you see this on the screen:</b>	<b>Try this</b>
No signal	Make sure the XM car antenna is mounted outside of the vehicle.  Move your XM car antenna or your vehicle away from the obstructed area. For example, if you are parked in an underground garage, you should receive a signal after leaving the garage.
Antenna	Make sure that the XM car antenna cable is firmly and securely plugged into the cradle. Make sure the cable is not bent or broken.  Turn the XMp3 radio off, then on, to reset this message.

<b>If you see this on the screen:</b>	<b>Try this</b>
Off Air	The channel you've selected is not currently broadcasting. Tune to another XM channel.
Loading	Your XMp3 radio is acquiring audio or program information from the XM signal. This message usually goes away in a few seconds.
Updating	XM is updating your XMp3 radio with the latest encryption code. Wait until the update is done.  OR  You may be trying to tune to a channel that is blocked or unavailable. Tune to another channel.
- - -	No program information, such as artist name, song title, or channel exists.
<b>If this happens:</b>	<b>Try this</b>
Your XMp3 radio shuts off unexpectedly	One or both of the "Sleep Timer" or "Delayed Power" features might be enabled. At the "Settings" menu, make sure both features are turned "Off".
You do not receive all the XM channels you subscribed to	If you have not yet activated your XM Satellite Radio service, refer to Activation in your XMp3 radio user guide.
No audio	Check all cables between your XMp3 radio and your stereo system for a firm and secure connection.
No song title or artist name is displayed	The information may not be available or updates may be in progress.

# Troubleshooting

<b>If this happens:</b>	<b>Try this</b>
No audio when listening to XM through an FM radio	Check that your XMp3 radio and your car radio are tuned to the same FM frequency.
Audio fades or has static when listening	Check all cables for a firm and secure connection. If the problem persists, it might be interference from another FM channel. Refer to Find an FM Frequency on page 15 when using the XM SureConnect (sold separately) or the FM Direct (sold separately).
Audio sounds too soft	Raise or lower the audio level until the sound quality improves. Refer to Setting the Line Out Level on page 17.
XM Instant Traffic and Weather channels sound different from other channels	These channels use a different audio technology than the other XM channels so they often sound different from other channels.





# Product Specifications

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## Dimensions

Car Cradle	57 mm (W) X 81.6 mm (H) X 45.2 mm (D) 2.2 in (W) X 3.2 in (H) X 1.8 in (D)
XM Car Antenna	Cable Length: 23 feet
Audio Cable	Cable Length: 1 meter with standard 3.5 mm stereo plug on each end
Remote Control	40 mm (W) X 119 mm (H) X 15.4 mm (D) 1.5 in (W) X 4.7 in (H) X 0.6 in (D)

---

## Weight

Car Cradle	49 g	1.7 oz
Antenna	82g	2.9 oz
Remote	60 g	2.1 oz

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## Audio Outputs

3.5 mm diameter mini stereo jack

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## External Power

Voltage	5V DC
Current	2000 mA
Polarity	--⊖+

---

## Remote Battery

Type	CR2032
Voltage	3 V

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## Model Numbers

XMp3 Radio	GEX-XMP3
XMp3 Home Kit	CD-XMHOME1
XMp3 Car Kit	CD-XMPCAR1

# FCC and IC Statement

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 has been designed to operate with the antenna provided in the original packaging. Use of antenna other than the antenna provided will result in improper operation, and is strictly prohibited per regulations of Industry Canada.

This device complies with Part 15 of the FCC Rules and is certified to Industry Canada's RSS-210 specification:

1. This device may not cause harmful interference.
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 and Industry Canada RSS-210. 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 receiving 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 this Satellite Radio Receiver for use in any aircraft (neither portable nor permanent installation). Therefore, XM Satellite Radio cannot support this type of application or installation

# Warranty

## LIMITED WARRANTY

### WARRANTY VALID ONLY IN COUNTRY OF PRODUCT PURCHASE

#### WARRANTY

Pioneer Electronics (USA) Inc. (PUSA), and Pioneer Electronics of Canada, Inc. (POC), warrants that products distributed by PUSA in the U.S.A., and by POC in Canada that fail to function properly under normal use due to a manufacturing defect when installed and operated according to the owner's manual enclosed with the unit will be repaired or replaced with a unit of comparable value, at the option of PUSA or POC, without charge to you for parts or actual repair work. Parts supplied under this warranty may be new or rebuilt at the option of PUSA or POC.

THIS LIMITED WARRANTY APPLIES TO THE ORIGINAL OR ANY SUBSEQUENT OWNER OF THIS PIONEER PRODUCT DURING THE WARRANTY PERIOD PROVIDED THE PRODUCT WAS PURCHASED FROM AN AUTHORIZED PIONEER DISTRIBUTOR/DEALER IN THE U.S.A. OR CANADA. YOU WILL BE REQUIRED TO PROVIDE A SALES RECEIPT OR OTHER VALID PROOF OF PURCHASE SHOWING THE DATE OF ORIGINAL PURCHASE OR, IF RENTED, YOUR RENTAL CONTRACT SHOWING THE PLACE AND DATE OF FIRST RENTAL. IN THE EVENT SERVICE IS REQUIRED, THE PRODUCT MUST BE DELIVERED WITHIN THE WARRANTY PERIOD, TRANSPORTATION PREPAID, ONLY FROM WITHIN THE COUNTRY OF PURCHASE AS EXPLAINED IN THIS DOCUMENT. YOU WILL BE RESPONSIBLE FOR REMOVAL AND INSTALLATION OF THE PRODUCT. PUSA OR POC, AS APPROPRIATE, WILL PAY TO RETURN THE REPAIRED OR REPLACEMENT PRODUCT TO YOU WITHIN THE COUNTRY OF PURCHASE.

(warranty continues next page)

## PRODUCT WARRANTY PERIOD

**ACCESSORY WARRANTY PERIOD..... 1 Year Parts & Labor**

## WHAT IS NOT COVERED

IF THIS PRODUCT WAS PURCHASED FROM AN UNAUTHORIZED DISTRIBUTOR, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND THIS PRODUCT IS SOLD STRICTLY "AS IS" AND "WITH ALL FAULTS". PIONEER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL AND/OR INCIDENTAL DAMAGES. PIONEER DOES NOT WARRANT ANY PRODUCT LISTED ABOVE WHEN IT IS USED IN A TRADE OR BUSINESS OR IN ANY INDUSTRIAL OR COMMERCIAL APPLICATION. THIS WARRANTY DOES NOT APPLY IF THE PRODUCT HAS BEEN SUBJECTED TO POWER IN EXCESS OF ITS PUBLISHED POWER RATING. THIS WARRANTY DOES NOT COVER THE CABINET OR ANY APPEARANCE ITEM, USER ATTACHED ANTENNA, ANY DAMAGE TO THE PRODUCT RESULTING FROM ALTERATIONS, MODIFICATIONS NOT AUTHORIZED IN WRITING BY PIONEER, ACCIDENT, MISUSE OR ABUSE, DAMAGE DUE TO LIGHTNING OR TO POWER SURGES, SUBSEQUENT DAMAGE FROM LEAKING, DAMAGE FROM INOPERATIVE BATTERIES, OR THE USE OF BATTERIES NOT CONFORMING TO THOSE SPECIFIED IN THE OWNER'S MANUAL. THIS WARRANTY DOES NOT COVER THE COST OF PARTS OR LABOR WHICH WOULD BE OTHERWISE PROVIDED WITHOUT CHARGE UNDER THIS WARRANTY OBTAINED FROM ANY SOURCE OTHER THAN A PIONEER AUTHORIZED SERVICE COMPANY OR OTHER DESIGNATED LOCATION. THIS WARRANTY DOES NOT COVER DEFECTS OR DAMAGE CAUSED BY THE USE OF UNAUTHORIZED PARTS OR LABOR FROM IMPROPER MAINTENANCE. ALTERED, DEFACED, OR REMOVED SERIAL NUMBERS VOID THIS ENTIRE WARRANTY.

# Warranty

## **NO OTHER WARRANTIES**

IN THE U.S.A. - PIONEER LIMITS ITS OBLIGATIONS UNDER ANY IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO A PERIOD NOT TO EXCEED THE WARRANTY PERIOD. NO WARRANTIES SHALL APPLY AFTER THE WARRANTY PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND SOME STATES DO NOT ALLOW THE EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

IN CANADA – EXCEPT AS EXPRESSLY PROVIDED HEREIN, THERE ARE NO REPRESENTATIONS, WARRANTIES, OBLIGATIONS OR CONDITIONS, IMPLIED, STATUTORY OR OTHERWISE, APPLICABLE TO THIS PRODUCT.

## **TO OBTAIN SERVICE**

PUSA has appointed a number of Authorized Service Companies throughout the U.S.A. should your product require service. To receive warranty service you need to present your sales receipt showing place and date of original owner's transaction. If shipping the unit you will need to package it carefully and send it, transportation prepaid by a traceable, insured method, to an Authorized Service Company. Package the product using adequate padding material to prevent damage in transit. Include your name, address and telephone number where you can be reached during business hours.

On all warranty complaints and concerns, please call 1-800-421-1404

# Patent and Environmental Info

## Patent Information

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## Environmental Information

Follow local guidelines for waste disposal when discarding packaging and electronic appliances.

Your Satellite Radio receiver is packaged with cardboard, polyethylene, etc., and does not contain any unnecessary materials.

***Pioneer***

CD-XMPCAR1

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