Before You Start

Precautions

Information to User

About this unit

WARNING

• Handling the cord on this product or cords associated with accessories sold with the product may expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

• Do not allow this product to come into contact with liquids. Electrical shock could result. Also, this unit may overheat and smoke could result from contact with liquids.

• Keep this manual handy as a reference for operating procedures and precautions.

• Never set the volume of your product so high that you cannot hear outside traffic and emergency vehicles.

• Protect this product from moisture.

• If the battery is disconnected or has discharged, any previously set memory will be erased and must be reprogrammed.

Important (Serial Number)

The serial number of this device is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

About this manual

This unit features a number of sophisticated functions ensuring superior reception and operation. All the functions have been carefully explained in this manual. Please read it thoroughly before you begin using this unit. It is especially important that you read and observe WARNINGs and CAUTIONs in this manual.

After-sales service for Pioneer products

Please contact the dealer or distributor from where you purchased the product for its after-sales service (including warranty conditions) or any other information. In case the dealer who sold the product to you is not available, please contact the companies listed below for repair service.

For warranty information, please see the Limited Warranty sheet included with your product.

Product registration

Visit us at the following sites:

1. Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.

2. Receive updates on the latest products and technologies.

3. Download owner’s manuals, order product catalogues, research new products, and much more.

About the XM Logo

The “XM” logo on this unit indicates that it is an XM capable radio receiver. You can receive XM satellite radio broadcasts by connecting the unit as shown in the installation manual.

Note

The XM name and related logos are trademarks of XM Satellite Radio Inc.

Introducing XM Satellite Radio


Notes

• XM Radio is responsible for the channel lineup and categories, and may change at any time. Please contact XM Radio for the latest channel lineup and category information.

• To activate the XM tuner, you must have an XM subscription.

• Register your XM service at www.xmradio.com before you begin using this unit. It may only be important if you need to claim insurance damage or theft.

U.S.A.
Pioneer Electronics (USA) Inc. CUSTOMER SUPPORT DIVISION P.O. Box 1760 Long Beach, CA 90801-1760 800-421-1404

En

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Notes
For information on the coverage area where XM tuner reception is available, please visit www.xmradio.com.

Technology. It is prohibited to copy, decompile, reverse engineer, or modify any technology incorporated in receivers compatible with the XM Satellite Radio System. Furthermore, this product is provided by intellectual property right including patents, copyrights, and trade secrets of Sirius Satellite Radio Inc. The use of any such information contained in XM Radio is expressly prohibited from copying, decompiling, reverse engineering, or disassembling the object code, or in any other way convert the object code into human-readable form. The software is licensed solely for use within this product.

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Selecting the XM source

1 Press SOURCE to turn the head unit on.
2 Press SOURCE to select “XM” source.

Listening to XM

The XM tuner is ready to receive XM programming.

1 Press SOURCE to select a XM source.
2 Press BAND to select a band. Press BAND until the desired band is displayed. XM: XM1, XM2, XM3.
3 Press ▼ or ▲ to select the desired channel.


The channel number moves up or down successively. Channels that cannot currently be selected are skipped, and the next channel is selected.

3 Press SOURCE and hold until the head unit turns off.

Notes
- Depending on the head unit, the XM bands may be displayed. Press SOURCE to switch to another source.
- XM preset tuning buttons 1–6 are assigned to XM channels.
- XM preset tuning buttons 1–6 can also be assigned as follows:
  - Press FUNCTION to select MODE.
  - Press CH NUMBER to select a channel number (1–6).

Storing and recalling channels

1 Press any of the preset tuning buttons 1–6 you want to store in memory, press one of the preset tuning buttons 1–6, and hold until the preset number stops flashing.

When you turn the power on, the last channel tuned is selected.

Notes
- You can also select a channel from a desired category. XM programing also carries the song or program title, the artist name and category when available.
- Up to 18 channels, six for each of the three XM bands, can be stored in memory.

Switching the XM display

XM stands each have a channel number and a channel name. XM programing also carries the song or program title. (For details, refer to the manual of the head unit.)

1 Press FUNCTION to select “XM” source.
2 Press BAND to select a band.
3 Press ▼ or ▲ to select the desired channel.
4 Press SOURCE to select “XM” source.

Introduction of advanced tuner operation

Function display
- Press FUNCTION to display the function name.
- Press FUNCTION repeatedly to display the following function.
  - MODE (Channel select mode): To select the desired channel.
  - SOURCE (Source select mode): To select the desired source.
  - CATEGORY (Category select mode): To select the desired category.
  - DISPLAY (Display select mode): To select the desired display.
  - ■ (Radio mute mode): To mute the radio.
  - ■ (Stop mode): To stop CD play.

Switching the channel select mode

When selecting a channel, you can switch between selecting a channel by channel name or by channel number. Initially, channel number select mode is selected.

1 Press FUNCTION to select MODE.
2 Press ▼ or ▲ to select the desired channel select mode.

Notes
- When you turn the power on, the last channel tuned is selected.
- If you press any of the preset tuning buttons 1–6, you recall a memorized broadcast that has been moved to another channel, the channel to which the broadcast was moved is selected.
- If you press any of the preset tuning buttons 1–6, you can increase or decrease channel number continuously.
- XM2, XM3 channel numbers are assigned in a sequential order.
- You can also select a channel from a desired category. To select the desired channel, press one of the preset tuning buttons 1–6 and hold until the preset number stops flashing.
- When you find a channel that you want to store in memory, press one of the preset tuning buttons 1–6 repeatedly to switch between storing and recalling functions.
- The channel number moves up or down successively. Channels that cannot currently be selected are skipped, and the next channel is selected.

Switching the XM display

XM stands each have a channel number and a channel name. XM programing also carries the song or program title. (For details, refer to the manual of the head unit.)

Notes
- Depending on the head unit, the XM bands may be displayed. Press SOURCE to switch to another source.
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- XM preset tuning buttons 1–6 can also be assigned as follows:
  - Press FUNCTION to select MODE.
  - Press CH NUMBER to select a channel number (1–6).
  - Press SOURCE and hold until the head unit turns off or press SOURCE to select another source.

Switching the channel select mode

When selecting a channel, you can switch between selecting a channel by channel name or by channel number. Initially, channel number select mode is selected.

1 Press FUNCTION to select MODE.
2 Press ▼ or ▲ to select the desired channel select mode.

Notes
- Depending on the head unit, the XM bands may be displayed. Press SOURCE to switch to another source.
- XM preset tuning buttons 1–6 are assigned to XM channels.
- XM preset tuning buttons 1–6 can also be assigned as follows:
  - Press FUNCTION to select MODE.
  - Press CH NUMBER to select a channel number (1–6).
  - Press SOURCE and hold until the head unit turns off or press SOURCE to select another source.

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XM stands each have a channel number and a channel name. XM programing also carries the song or program title. (For details, refer to the manual of the head unit.)

Notes
- Depending on the head unit, the XM bands may be displayed. Press SOURCE to switch to another source.
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- XM preset tuning buttons 1–6 can also be assigned as follows:
  - Press FUNCTION to select MODE.
  - Press CH NUMBER to select a channel number (1–6).
  - Press SOURCE and hold until the head unit turns off or press SOURCE to select another source.
XM tuner

Selecting the channel in the channel category

Channels are organized into various program categories, e.g. Rock, Classic, Jazz. You can search between different categories and then search among channels within each channel category. (Refer to the switching the channel select mode above.)

1. Select the channel category select mode. (Refer to “Switching the channel select mode” above.)
2. Press BAND to return to the previous display.
3. Press a ‘ or ‘ to select the desired channel category. (Once you select a channel category, the unit switches to channels in that category. During search, the channel category doesn’t immediately change even if you press the button. To switch the search to the channel category, continue pressing the button.)
4. Press a ‘ or ‘ to select the desired channel in the selected channel category. The channel number moves up or down in the selected channel category. Channels that cannot currently be selected are skipped, and the next channel in that channel category is selected.

Display the ID code (Radio ID)

Each XM tuner is identified with a unique Radio ID. You will need the Radio ID when activating XM service or when reporting a problem. (Refer to “Switching the channel select mode” above.)

1. Select the channel number select mode. (Refer to “Switching the channel select mode” above.)
2. Press ‘ or ‘ to select the channel number zero (CH 00). The ID code is displayed. Staying stuck on your XM Radio ID. To select, ‘ or ‘ is not used.

Notes

• When choosing another channel, display of the ID code is canceled.
• Display of the ID code operates during display of XM Radio ID in the ID mode or after the display.

Radio ID

Refer to the following chart to verify each Radio ID. Before displaying them on the following head units, refer to the table below to identify the problem, then take the suggested corrective action.

<table>
<thead>
<tr>
<th>Message</th>
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</thead>
<tbody>
<tr>
<td>NOSIGNAL</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>ANTENNA</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>OFF AIR</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>UPDATING</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>LOADNG</td>
<td>–</td>
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Specifications

General

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<thead>
<tr>
<th>Data</th>
<th>Value</th>
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<tbody>
<tr>
<td>Power source</td>
<td>14.4 VDC (10.8 – 15.1 V allowable)</td>
</tr>
<tr>
<td>Security against voltage</td>
<td>220 V AC ± 10%</td>
</tr>
<tr>
<td>Drive source</td>
<td>90 V mV ± 1% (170 – 257 ± 13% mV)</td>
</tr>
<tr>
<td>Weight</td>
<td>2.0 kg (4.4 lbs)</td>
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XM tuner

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<th>Data</th>
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<tr>
<td>XM tuner power</td>
<td>0.06 kg (0.13 lbs)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.56 kg (1.24 lbs)</td>
</tr>
<tr>
<td>Cord</td>
<td>5 m (16 ft. 5 in.)</td>
</tr>
<tr>
<td>Antenna size</td>
<td>40 mm (1-1/8 × 1/2 × 139 mm)</td>
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<tr>
<td>Antenna cover</td>
<td>27 × 40 mm (1-1/8 × 15/32 × 1-1/2 in.)</td>
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<tr>
<td>Weight</td>
<td>0.02 kg (1/8 lbs)</td>
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Audio

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<th>Data</th>
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Note

Displays the messages that are not listed above are displayed; refer to the operation manual supplied with the head unit.

Specifications Additional Information

Radio ID

Each XM tuner is identified with a unique Radio ID. You will need the Radio ID when activating XM service or when reporting a problem. (Refer to “Switching the channel select mode” above.)

1. Select the channel number select mode. (Refer to “Switching the channel select mode” above.)
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Antenna

<table>
<thead>
<tr>
<th>Data</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power source</td>
<td>0.06 kg (0.13 lbs)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.02 kg (1/8 lbs)</td>
</tr>
</tbody>
</table>

Note

Displays the messages that are not listed above are displayed; refer to the operation manual supplied with the head unit.