Specifications

Selecting fine audio equipment such as the unit you’ve just purchased is only the start of your musical enjoyment. Now it’s time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association’s Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing “comfort level” adapts to higher volumes of sound. So what sounds “normal” can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

• Start your volume control at a low setting.
• Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

• Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association’s Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

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Information courtesy of the Deafness Research Foundation.
About This Product

This product can operate in two modes. Select the configuration that best suits your needs.

- **ADD-ON MODE**
  - When combining with a car stereo with FM reception capability and using an FM modulator only.
  - Audio is output from the car stereo

- **IP-BUS MODE**
  - When combining with a Pioneer Head Unit featuring an IP-BUS input.
  - Audio is output from the Head Unit's SXM (External) source.

Note:
- The mode changes depending on how the unit is connected. Refer to the installation manual or contact your dealer for details concerning connection.
- To change the mode, be sure to press the RESET button.

Important

The serial number of this device is located on the bottom of this product. For your own secur-
ity and convenience, be sure to record this number in the included warranty card.

Resetting the Unit

The unit must be reset under the following conditions:
- When using this product for the first time after installation.
- When this product fails to operate properly.
- When strange (incorrect) messages appear on the display.

1. Press and hold the recreset button on the unit with a pen tip or other pointed instrument.
2. Perform all operations with the Head Unit.

Precaution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Keep the manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough for outside sounds to be audible.
- Protect the product from moisture.
- If the battery is disconnected, the preset memory will be erased and must be repro-
grammed.

About This Manual

- **Display the ID Code** (supplied):
  - Customers are able to receive a limited number of free-to-air channels without activation.
  - The mode changes depending on how the unit is connected. Refer to the installation manual or contact your dealer for details concerning connection.
- We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you use this product. It is especially important that you read and observe the “Precaution.”

About the XM Mark

- The XM mark on the product indicates that it is an XM satellite radio receiver. You can receive XM satellite radio broadcasts by connecting the unit as shown in the installation manual.

After-sales Service for Pioneer Products

Please contact the dealer or distributor from whom you purchased the product for its after-sales service (including warranty conditions) or any other information. In case the necessary informa-
tion is not available, please contact the company listed below:

Please do not return your product to the company at the address listed below for repair without advance contact.

**U.S.A.**

Pioneer Electronics Service, Inc.
CUSTOMER SERVICE DEPARTMENT
P.O. BOX 1760
LONG BEACH, CA 90801
800-421-1404

For warranty information please see the Limited Warranty sheet included with your product.
Basic Operation of XM

When using this product for the first time, refer to "XM Modulator Setting" to set the XM frequency and volume appropriately.

1. Switch to an FM source on your car stereo and tune to the frequency set in "XM Modulator Setting".

2. Switching power ON.

3. Select a desired Channel.

4. Switching power OFF.

Note:
- For details, refer to "Selecting the Channel by Channel Number".
- It may take a few seconds before you can hear anything while this product acquires and processes the satellite signal when you switch power ON, change the Source to XM tuner, or select a Channel.

Recalling Preset Channels

Direct Recall
- Press a button from 1-6 to recall a Channel preset in the button. (e.g. Press button 4.)

Sequential Recall
- When Channel Number Select mode is selected, you can use the sequential recall. (Refer to "Changing the Band".)
- Recall Channels preset in buttons 1-6 in sequence.

Changing the Band
- To enable this product to memorize more Channels, they are stored in three bands: XM1, XM2 and XM3.
- Switch bands.
- Hold for 2 seconds
- Reception status indicator

Selecting the Channel by Channel Number
- To select a Channel, select a Channel Number Select mode. (Refer to "Changing the Band".)
- Initially, Channel Number Select mode is selected.
- Select a desired Channel.

Note:
- Channels that cannot currently be selected are skipped, and the next Channel is selected.
- You can also select a Channel from a desired Channel Category. (Refer to "Changing the Band".)

Preset Memory
- Press and hold a selected button for 2 seconds to store that Channel. (e.g. Press button 4.)
- The Channel is stored in the selected button.

Note:
- Memory/recall are for broadcasts. If you recall a memorized broadcast that has been moved to another Channel, the Channel to which the broadcast was moved is selected.

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- Press a button from 1-6 to recall a Channel preset in the button. (e.g. Press button 4.)

Switch bands.
- Hold for 2 seconds
- Reception status indicator

Changing the Band
- To enable this product to memorize more Channels, they are stored in three bands: XM1, XM2 and XM3.
- Switch bands.
Switching the Display:
- XM Channels and a channel number and channel name. XM programming also carries song or program title, artist name, and additional information such as lyrics, when available.
- Remote control: Press the DISPLAY button and select the desired display.
- The display changes as follows:
  - Channel Number
  - Channel Name
  - Artist Name/Feature
  - Song/Program Title
  - Additional Information
  - Category
  - Ch Select

Selecting the Channel Category
You can switch between different categories and then search among channels within each channel category.
1. Select the Channel Category Select mode
2. Select the desired Channel Category
3. Search among channels within each channel category.

Selecting the Channel Category
Channels are organized into various program categories, e.g. Rock, Classic, Jazz. You can select a channel within a channel category.
1. Select the Channel Category Select mode
2. Select a desired channel category
3. Select the desired Channel

FM Modulator Setting
- You can adjust FM Modulator frequency and output level.
- Frequency: If output from the FM Modulator is too low or too loud, you can control it to another frequency. You can adjust frequency between 87.5 and 108.0 MHz.
- Level: If the output sound is too quiet, too loud or distorted, you can adjust FM Modulator output level.

Selecting the Channel Name
- Initially, Channel Name is selected.
- Initially, Channel Number Select mode is selected.
- Mode: Press the MODE button and select the desired Channel Select Mode.
- With the display:
  - CH NUMBER
  - CATEGORY

Selecting the Channel Select Mode
- Initially, Channel Number Select mode is selected.
- You can switch if you select a Channel Number or from a Channel Category.
- Note:
  - Selecting the Channel Category Select mode (CATE- but tons.)
  - Additional Information

Switching the Channel Select Mode
You can switch between the Channel Select mode (CH NUMBER) and Channel Name Select mode (CATEGORY).
1. Press the POWER button for 2 seconds to enter the FM Modulator Setting mode.
2. Select the desired frequency with the "+/-" button.
3. Increase or decrease the level with the "+/-" button.
4. To cancel the FM Modulator Setting mode, press the POWER button again for 2 seconds.

XM Channels each have a channel number and channel name. XM programing also carries song/program title, artist name, and other information such as lyrics, when available.

Using the XM tuner (ADD-ON MODE)
- Channels that cannot currently be selected are skipped, and the next Channel in that Channel category.
- Once you select a Channel Category, the unit searches for Channels in that category. During search between different categories, and then search among channels within each channel category.
- If the Additional Information is longer than the length of the display, you can scroll the text by pressing the DISPLAY button for 2 seconds.

Note:
- If you select another Channel, display of the ID Code is canceled.
- Press the DISPLAY button for 2 seconds.
- If output from the FM Modulator is too quiet, too loud or distorted, you can adjust FM Modulator output level.
- If output from the FM Modulator is too quiet, too loud or distorted, you can adjust FM Modulator output level.

Messages
When problems occur with XM tuner, a message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action.

FM Modulator Setting
- You can adjust FM Modulator frequency and output level.
- Frequency: If output from the FM Modulator is too loud due to interference from a strong broadcast station, you can reduce the interference frequency. You can adjust frequency between 87.5 and 108.0 MHz.
- Level: If the output sound is too quiet, too loud or distorted, you can adjust FM Modulator output level.

Selecting the Channel Category
- You can switch between different categories and then search among channels within each channel category.
- Note:
  - Selecting the Channel Category Select mode (CATEG-
  - Display of the ID Code repeats displaying the ID Code.

Selecting the Channel Name
- Initially, Channel Name is selected.
- Initially, Channel Number Select mode is selected.
- Note:
  - Channels that cannot currently be selected are skipped, and the next Channel in that Channel category is selected.

Switching the Display
- XM Channels and a channel number and channel name. XM programming also carries song or program title, artist name, and additional information such as lyrics, when available.
- Remote control: Press the DISPLAY button and select the desired display.
- The display changes as follows:
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  - Category
  - Ch Select

Selecting the Channel Category
You can switch between different categories and then search among channels within each channel category.
1. Select the Channel Category Select mode
2. Select the desired Channel Category
3. Search among channels within each channel category.

Selecting the Channel Select Mode
- Initially, Channel Number Select mode is selected.
- You can switch if you select a Channel Number or from a Channel Category.
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- Note:
  - Selecting the Channel Category Select mode (CATEG-
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Selecting the Channel Name
- Initially, Channel Name is selected.
- Initially, Channel Number Select mode is selected.
- Note:
  - Channels that cannot currently be selected are skipped, and the next Channel in that Channel category is selected.

Switching the Display
- XM Channels and a channel number and channel name. XM programming also carries song or program title, artist name, and additional information such as lyrics, when available.
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  - Song/Program Title
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  - Category
  - Ch Select

Selecting the Channel Category
You can switch between different categories and then search among channels within each channel category.
1. Select the Channel Category Select mode
2. Select the desired Channel Category
3. Search among channels within each channel category.

Selecting the Channel Select Mode
- Initially, Channel Number Select mode is selected.
- You can switch if you select a Channel Number or from a Channel Category.
- Note:
  - Selecting the Channel Category Select mode (CATE- but tons.)
  - Additional Information
Selecting the Channel by Channel Number

When Channel Number Select mode is selected, you can select a desired Channel by Channel Number. (Refer to "Switching the Channel Select Mode".)

Initially, Channel Number Select mode is selected.

- Select a desired Channel.

Note:
- Channels that cannot currently be selected are skipped, and the next Channel is selected.
- If you continue pressing the button for longer than 0.5 seconds, you can increase/decrease Channel Number by 10 to enable you to quickly jump to your desired Channel.
- You can also select a Channel from a desired Channel Category. (Refer to "Switching the Channel Select Mode".)

Preset Memory

Preset Memory lets you store Channels in memory.

1. Select a desired Channel to store in memory.
2. When sound from a selected Channel is output, press a button from 1–6 for 2 seconds to store that Channel. (e.g. Press button 4.)

The Channel is stored in the selected button.

Note:
- Memory/recall are for broadcasts. If you recall a memorized broadcast that has been moved to another Channel, the Channel to which the broadcast was moved is selected.

Hold for 2 seconds

SOURCE DISP

EQ

123456

3456 EB

SFEQSELECT

Switching Power On/Off

Each press of the SOURCE button selects XM as follows:

Built-in CD Player = TV = Tuner = Multi-CD Player = XM tuner (External Unit 1) = AUX

• To switch the sources OFF, hold down the SOURCE button for 1 second.

Note:
- To switch the sources OFF, hold down the SOURCE button for 1 second.

Note:
- When two external units are connected, the allocation of them to External Unit 1 or External Unit 2 is automatically set by these Head Units.

Basic Operation of XM

1. Select XM.
2. Select a desired Channel.
3. Turn the source OFF.

Note:
- For details, refer to "Selecting the Channel by Channel Number".

Hold for 4 seconds

Before Using This Product (IP-BUS MODE)

Operating with Different Head Units

Operate this product (for XM reception) with the connected Head Unit. Head Units are divided into two groups:

Head Unit Group 1
Head Unit Group 1 Head Units operate this product as an external unit (External). These Head Units can control two external units. When one of these Head Units is connected to this product, do not connect any other external units.

DEH-P9300 DEH-P930 DEH-P7300 DEH-P730
DEH-P6300 DEH-P630
KMR-P601

Head Unit Group 2
Head Unit Group 2 Head Units operate this product as an external unit (External). These Head Units can control only one external unit. When one of these Head Units is connected to this product, do not connect any other external units.

DEH-P9300 DEH-P930 DEH-P7300 DEH-P730
DEH-P6300 DEH-P630
KMR-P601

For illustration, instructions in this manual on the "DEH-P9300" as an example of Head Unit. The operation of the Head Unit for XM is identical for both groups 1 and 2.

When using a remote controller, you can operate these Head Units marked with * in the same way as the "DEH-P9300". For details, refer to the "SOFT KEY Operation" section in the Head Unit's Operation Manual.

Key Finder

You can operate in the same way with the Remote Controller supplied with the Head Unit. For details, refer to the Head Unit's Operation Manual.

Before Using This Product (IP-BUS MODE)

Basic Operation (IP-BUS MODE)

Before Using This Product (IP-BUS MODE)

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Basic Operation (IP-BUS MODE)
Basic Operation (IP-BUS MODE)

Recalling Preset Channels

Direct Recall
- Press a button from 1-6 to recall a Channel preset in the button.
(e.g. Press button 4.)

Sequential Recall
When Channel Number Select mode is selected, you can use the sequential recall. (Refer to “Switching the Channel Select Mode”.)
- Recall Channels preset in buttons 1-6 in sequence.

Note:
- If a Channel you have in mind cannot be selected, a message is displayed for 2 seconds and the unit returns to the operating status before the Channel was recalled.

Changing the Band
To enable the product to maintain three Channels, they are stored in three bands: XM1, XM2 and XM3.
- Switch bands.

Each press changes the Band...
XM1 = XM2 = XM3

Using the XM tuner (IP-BUS MODE)

Entering the Function Menu
This menu enables selection of XM functions.
- Select the desired mode in the Function Menu.

Switching the Display
XM Channels each have a channel number and channel name. XM programing also carries song or program title, artist name, and other information such as lyrics, when available.
- Each press changes the Mode...
XM1 = XM2 = XM3

Switching the Channel Select Mode
When Channel Number Select mode is selected, you can use the sequential recall. (Refer to “Switching the Channel Select Mode.”)
- Recall Channels preset in buttons 1-6 in sequence.

Note:
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- Switch bands.

Each press changes the Band...
XM1 = XM2 = XM3

Using the XM tuner (IP-BUS MODE)

Recalling Preset Channels

Direct Recall
- Press a button from 1-6 to recall a Channel preset in the button.
(e.g. Press button 4.)

Sequential Recall
When Channel Number Select mode is selected, you can use the sequential recall. (Refer to “Switching the Channel Select Mode.”)
- Recall Channels preset in buttons 1-6 in sequence.

Note:
- If a Channel you have in mind cannot be selected, a message is displayed for 2 seconds and the unit returns to the operating status before the Channel was recalled.

Changing the Band
To enable the product to maintain three Channels, they are stored in three bands: XM1, XM2 and XM3.
- Switch bands.

Each press changes the Band...
XM1 = XM2 = XM3