Dear Customer,

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.

Decibel Level Example
30 Quiet library, soft whispers.
40 Living room, refrigerator, bedroom away from traffic.
50 Light traffic, normal conversation, quiet office.
60 Air conditioner at 20 feet, sewing machine.
70 Vacuum cleaner, hair dryer, noisy restaurant.
80 Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE
90 Subway, motorcycle, truck traffic, lawn mower.
100 Garbage truck, chain saw, pneumatic drill.
120 Rock band concert in front of speakers, thunderclap.
140 Gunshot blast, jet plane.
180 Rocket launching pad.

Information courtesy of the Deafness Research Foundation.

Specifications

- Power source: 14.4 V DC (10.8 – 15.1 V allowable)
- Grounding system: Negative type
- Max. current consumption: 2.0 A
- Dimensions: 220 (W) × 28 (H) × 145 (D) mm [8-5/8 (W) × 1-1/8 (H) × 5-3/4 (D) in]
- Weight: 0.85 kg (1.9 lbs)

XM tuner
- Frequency range: 2,332.50 – 2,345.00 MHz
- Usable sensitivity:
  - Satellite: –94.0 dBm
  - Terrestrial: –90.0 dBm
- Audio
  - Signal-to-noise ratio: 92 dB (IHF-A network)
  - Separation: 75 dB

Note:
- Specifications and the design are subject to possible modification without notice due to improvements.

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PIONEER CORPORATION
Printed in Japan
X8970224A-UC
**About The XM Mark**

The "XM" mark on this 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.

**About This Manual**

This product features a number of sophisticated functions ensuring superior reception and operation. All are designed for the easiest possible use, but many are not self-explanatory. It is especially important that you read and understand the following:

- **Before Using This Product.** Your satisfaction with this product depends on your having a clear understanding of its capabilities and limitations. Please take the time to fully acquaint yourself with the operation. All are designed for the easiest possible use, but many are not self-explanatory.

**Precaution**

- Keep the manual handy as a reference for operating procedures and precautions. Always keep the volume low enough for outside sounds to be audible.
- Never use the product in a way that divert attention from safe driving.
- If the battery is disconnected, the preset memory will be erased and must be reprogrammed.

**Display the ID Code**

- To reset the microprocessor, press the RESET button on the unit with a pen tip or other pointed instrument.

**Operating with Different Head Units**

- When using a remote controller, you can operate these Head Units marked with * in the same way as the DEH-P6300.
- Note: KEH-P6010 KEH-P601 KEH-P60 KEH-P60P KEH-P60P2 KEH-P60P2P KEH-P60P2P2 KEH-P60P2P2P KEH-P60P2P2P2 KEH-P60P2P2P2P KEH-P60P2P2P2P2
- To reset the microprocessor, press the RESET button on the unit with a pen tip or other pointed instrument.

For illustration, instructions in this manual use the "DHE-P6300" as an example of Head Unit. When using a Head Unit other than this, refer to "Operating with Different Head Units."

**Important**

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

**About This Manual**

- This manual is intended to help you benefit fully from their potential and to maximize your listening enjoyment.

**Resetting the Unit**

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

The unit must be reset under the following conditions:

**Operating With Different Head Units**

- Head Unit Group 1: Head Units operate this product as an external unit (External). These Head Units can control two external units. 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.

**About This Manual**

- Head Unit Group 1: Head Units operate this product as an external unit (External). These Head Units can control two external units. 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.

**Operating With Different Head Units**

- Head Unit Group 1: Head Units operate this product as an external unit (External). These Head Units can control two external units. 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.

**About This Manual**

- 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.

**Operating With Different Head Units**

- 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.

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**About This Manual**

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Basic Operation

Key Finder

Head Unit (e.g. DEH-P6300)

Remote Controller (e.g. DEH-P6300)

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

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)
- External Unit 2
- AUX

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

Basic Operation of XM

1. Select XM.

2. Select a desired Channel.

3. Turn the source OFF.

Recalling Preset Channels

Direct Recall

- Press a button from 1 to 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").

Changing the Band

To enable this product to memorize more Channels, they are stored in three bands: XM1, XM2 and XM3.

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”)

Preset Memory

- Press MEMORY to store Channels in 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 to 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 broadcast that has been moved to another Channel, the Channel to which the broadcast was moved is selected.

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 in quick jumps in the desired Channel Category. (Refer to “Switching the Channel Category”)

Present Memory

- Press MEMORY to 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 to 6 for 2 seconds to store that Channel. (e.g. Press button 4.)

The Channel is stored in the selected button.

Note:

- Channels that cannot currently be selected are skipped, and the next Channel is selected.

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- Press MEMORY to 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 to 6 for 2 seconds to store that Channel. (e.g. Press button 4.)

The Channel is stored in the selected button.

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 in quick jumps in the desired Channel Category.
1. Press the FUNCTION button and select the Display mode (F1) in the Function Menu.

- Select the desired display with the \( \text{A/M} \) button.
- Note:

2. Each press of the FUNCTION button selects the mode in the following order:

- FUNC AUDIO
- SFEQSELECT
- •
- Messages

3. Select the Channel Category Select mode. (Refer to Selecting the Channel in the Channel Category Menu.)

- Channels that cannot currently be selected are skipped, and the next Channel in that Channel Category is selected.

4. Select the desired Channel in the Channel Category.

- Note:

5. If the Additional Information in the Function Menu is longer than the length of the display, you can scroll the text by pressing the \( \text{A/M} \) button.

- Once you select a Channel Category, the unit searches for Channels in that category. During search, the selected Channel Category changes the Channel Category, continue pressing the button.

6. Select the desired Channel.

- Note:

7. Press the BAND button and cancel the FUNCTION Menu.

- Note:

Switching the Display (F1)

This menu enables selection of XM functions.

Switching the Channel Select Mode (CHNUMBER)

This product does not feature F3, F4 and A/M function capability.

Switching the Channel Category Select mode

After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

Switching the Channel Category Select mode

When the source is XM, display indications are up to eight letters long.

XM Channels each have a channel number and channel name. XM programing also carries information associated with the song/program title, or additional information.

Entering the Function Menu

This product does not feature F3, F4 and A/M function capability.

Selecting the Channel in the Channel Category Menu.

Each press changes the Mode ...