PIONEER DEH80PRS

Pioneer DEH-80PRS CD Receiver Instruction Manual

Model: DEH-80PRS

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Pioneer DEH-80PRS CD Receiver. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

The Pioneer DEH-80PRS is an advanced car audio CD receiver designed for superior sound quality, featuring a 3-Way Active Crossover Network, Auto EQ, Auto Time Alignment, Bluetooth connectivity, and HD Radio capabilities.

Figure 1: Pioneer DEH-80PRS CD Receiver

2. SAFETY INFORMATION

Important Safety Precautions:

- Do not attempt to install or service this product yourself. Refer installation and service to qualified personnel.

- Do not operate this product in any way that distracts you from safe driving. Always observe traffic regulations.

- Keep the volume at a level where you can still hear outside sounds, such as emergency vehicle sirens.
- Avoid exposing the unit to moisture or extreme temperatures.

Proposition 65 Warning:

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Verify that all items are present in the box before proceeding with installation:

- Pioneer DEH-80PRS CD Receiver
- Remote Control
- External Microphone for Auto EQ/Time Alignment
- Wiring Harness
- USB Extension Cable
- RCA Cables (for pre-outs)
- Installation Hardware (screws, mounting cage)
- Owner's Manual (this document)

Figure 2: Included accessories for the DEH-80PRS

4. PRODUCT OVERVIEW

4.1 Front Panel Controls

The front panel features a large rotary volume knob, various function buttons for source selection, menu navigation, and audio adjustments, and a multi-line display. The display provides information on the current source, track, radio station, and audio settings.

Figure 3: Front panel of the DEH-80PRS and remote control

4.2 Rear Panel Connections

The rear panel provides connections for power, speakers, external amplifiers (RCA pre-outs), USB devices, and the external microphone. It also includes a fuse for protection.

Figure 4: Rear panel showing power, speaker, and RCA connections

5. SETUP AND INSTALLATION

Professional installation is recommended for optimal performance and to avoid damage to your vehicle's electrical system. Ensure the vehicle's battery is disconnected before starting installation.

5.1 Wiring Connections

1. Connect the wiring harness to the vehicle's power, ground, and speaker wires according to the wiring diagram provided in the separate installation guide.
2. Connect the RCA pre-out cables to your external amplifiers for front, rear, and subwoofer channels.
3. Connect the external microphone to the designated input for Auto EQ and Auto Time Alignment functions.
4. Connect any USB devices or storage via the USB extension cable.

5.2 Initial Settings

After installation, reconnect the vehicle's battery. The unit will power on. Follow the on-screen prompts for initial setup, including language selection and clock settings.

Important: The DEH-80PRS features a switch on the chassis to select between Standard (STD) mode and Network (NW) mode for the 3-Way Active Crossover. Ensure this switch is set correctly for your speaker configuration before performing audio adjustments. Changing this switch requires a system reset.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the SRC (Source) button to turn the unit on. Press and hold SRC to turn it off.
- **Volume Control:** Rotate the large rotary knob to adjust the volume.
- **Source Selection:** Press the SRC button repeatedly to cycle through available sources (CD, Tuner, USB, SD, Bluetooth Audio, AUX).

6.2 CD Playback

Insert a CD into the disc slot. Playback will begin automatically. Use the track skip buttons to navigate between tracks. Press the BAND button to switch between CD text display modes.

6.3 Tuner Operation (AM/FM/HD Radio)

Select the Tuner source. Press the BAND button to switch between FM1, FM2, FM3, and AM bands. Use the seek buttons to find stations. For HD Radio, the unit will automatically detect and tune to HD Radio broadcasts where available.

6.4 Bluetooth Connectivity

The DEH-80PRS supports Bluetooth for audio streaming and hands-free calling.

- **Pairing:** Enable Bluetooth on your mobile device. On the DEH-80PRS, navigate to the Bluetooth menu and select 'Pairing'. Select 'Pioneer DEH-80PRS' from your device's Bluetooth list. Enter the PIN if prompted (default is '0000').
- **Audio Streaming:** Once paired, select 'Bluetooth Audio' as the source to stream music from your device.
- **Hands-Free Calling:** When a call comes in, the unit will display the caller ID. Press the phone button to answer or end a call.

6.5 USB/SD Playback

Insert a USB device into the USB port or an SD card into the SD card slot. The unit will automatically detect and begin playback of compatible audio files. Use the navigation buttons to browse folders and tracks.

6.6 Advanced Audio Settings

The DEH-80PRS offers extensive audio customization for audiophile-grade sound.

- **3-Way Active Crossover Network:** This feature allows precise control over the frequency ranges sent to your tweeters, mid-range speakers, and subwoofers. Access this in the Audio menu to set crossover points and slopes for each channel. This is especially powerful in Network mode.
- **Auto EQ:** Use the supplied microphone to automatically equalize the sound output to your vehicle's acoustics. Place the microphone in the listening position (e.g., driver's headrest), ensure the car is quiet with windows closed, and initiate the Auto EQ process from the Audio menu.
- **Auto Time Alignment:** This feature measures the distance from each speaker to the listening position and adjusts the sound output timing to ensure all sound reaches the listener simultaneously, creating a more focused soundstage. Use the same microphone placement as Auto EQ and initiate from the Audio menu.
- **Manual EQ/Sound Adjustments:** For further fine-tuning, the unit provides a 16-band graphic equalizer, listening position selector, and other manual sound controls.

7. Maintenance

7.1 Cleaning the Unit

Wipe the front panel with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners. For stubborn dirt, lightly dampen the cloth with water.

7.2 Remote Control Battery

If the remote control stops responding, replace the lithium coin cell battery (CR2025). Refer to the remote control's specific instructions for battery replacement.

8. Troubleshooting

If you encounter issues, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power	Blown fuse; incorrect wiring	Check the fuse; verify wiring connections.
No sound	Volume too low; incorrect source; speaker wiring issue	Increase volume; select correct source; check speaker connections.
Bluetooth not connecting	Device not in pairing mode; unit not discoverable	Ensure both devices are in pairing mode; delete previous pairings and try again.
CD error	Dirty or scratched disc; disc inserted incorrectly	Clean the disc; ensure it is inserted correctly.

If the problem persists after trying these solutions, contact Pioneer customer support or a qualified service technician.

9. Specifications

- **Product Dimensions:** 11.7 x 6.4 x 8.9 inches
- **Item Weight:** 2.64 pounds (1.2 Kilograms)
- **Item Model Number:** DEH80PRS
- **Batteries:** 1 Lithium Metal battery required (for remote)
- **Wireless Communication Technologies:** Bluetooth
- **Connectivity Technologies:** Wired
- **Special Features:** CD Player, 3-Way Active Crossover Network, Auto EQ, Auto Time Alignment
- **Compatible Devices:** Speaker, Smartphone
- **Connector Type:** 3.5mm Jack, USB
- **Audio Output Mode:** Stereo
- **Surround Sound Channel Configuration:** 5.1 (via pre-outs)
- **Manufacturer:** Pioneer
- **Date First Available:** January 16, 2012

10. WARRANTY AND SUPPORT

For warranty information, please refer to the separate warranty card included with your product or visit the official Pioneer website. For technical support, product registration, or to find authorized service centers, please contact Pioneer customer service directly.

You can typically find support contact details on the official Pioneer website:www.pioneerelectronics.com