

PIONEER MVH-2400NEX

Pioneer MVH-2400NEX Digital Multimedia Video Receiver

User Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your Pioneer MVH-2400NEX Digital Multimedia Video Receiver. Please read this manual thoroughly before using the product to ensure proper installation, setup, and functionality. Keep this manual for future reference.

1.1 Safety Information

- **Driving Safety:** Never operate the receiver in a way that distracts you from driving. Always observe traffic laws and regulations.
- **Volume Level:** Keep the volume at a level where you can still hear outside sounds, such as emergency vehicles. Prolonged exposure to high volume levels can cause hearing damage.
- **Installation:** Ensure proper installation to prevent accidents. Consult a qualified professional for installation if you are unsure. Incorrect wiring can cause damage to the vehicle or the unit.
- **Power Source:** Connect the unit only to a 12V DC power source with a negative ground.
- **Moisture:** Do not expose the unit to moisture or water to prevent electric shock or malfunction.

2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- Receiver Unit
- Hardware (Mounting Screws, Brackets)
- Wiring Harness
- USB Cable
- Remote Control
- User Manual

Pioneer

DMH-Z5150BT

RDS AV RECEIVER
AV RECEPTOR RDS



Image: Pioneer MVH-2400NEX product packaging. The box displays the receiver unit, highlighting features such as Spotify, Bluetooth, Apple CarPlay, Android Auto, and FLAC compatibility.

3. SETUP AND INSTALLATION

3.1 General Installation Guidelines

The Pioneer MVH-2400NEX is designed for in-dash installation. Due to the complexity of automotive electrical systems, professional installation is highly recommended. Incorrect wiring can lead to damage to the unit, vehicle, or personal injury.

- Ensure the vehicle's battery is disconnected before starting installation.
- Refer to your vehicle's service manual for specific dashboard disassembly and wiring information.
- Securely mount the receiver to prevent movement during driving.
- Connect all wires according to the wiring diagram provided with the unit.

3.2 Initial Power-On

After installation, reconnect the vehicle's battery. The unit should power on when the vehicle's ignition is turned to the ACC or ON position. Follow any on-screen prompts for initial setup, such as language selection and time zone settings.

3.3 Basic Connections

Key connections typically include:

- **Power/Ground:** Main power (yellow), accessory power (red), and ground (black) wires.
- **Speaker Outputs:** Wires for front left/right and rear left/right speakers.
- **Antenna:** Connect the vehicle's radio antenna.
- **Parking Brake:** Connect the parking brake wire for safety features (e.g., video playback).
- **Reverse Gear:** Connect the reverse gear signal wire for automatic rear-view camera display.

4. OPERATING THE RECEIVER

4.1 Touchscreen Interface

The MVH-2400NEX features a 7-inch Clear Type Resistive multi-touch screen for intuitive control. Navigate through menus, select sources, and adjust settings by touching the corresponding icons or areas on the display.



Image: Pioneer MVH-2400NEX main user interface. The screen displays various icons for source selection, including Smartphone, Radio, Bluetooth, Spotify, and AV input, along with time and date.

4.2 Audio Source Selection

Press the 'Source' button or select the desired icon on the touchscreen to switch between audio sources:

- **AM/FM Radio:** Tune into local radio stations. Use the touchscreen to scan, seek, and store presets.
- **USB:** Connect a USB device containing audio files (e.g., MP3, WMA, AAC, FLAC) for playback.
- **Bluetooth Audio:** Stream music wirelessly from a paired Bluetooth device.
- **Spotify:** Access Spotify directly from the receiver when connected to a compatible smartphone.

4.3 Bluetooth Hands-Free Calling

Pair your Bluetooth-enabled phone with the MVH-2400NEX to make and receive calls hands-free. Access your phonebook, call history, and dial numbers directly from the receiver's touchscreen.

1. Enable Bluetooth on your smartphone.
2. On the receiver, navigate to the Bluetooth menu and select 'Pair Device'.
3. Select 'Pioneer MVH-2400NEX' from your phone's Bluetooth device list.
4. Confirm the pairing code on both devices.

4.4 Apple CarPlay

Connect your iPhone via USB to enable Apple CarPlay. This feature allows you to access compatible iPhone apps, make calls, send messages, and get directions using Siri voice control or the receiver's touchscreen.



Image: Pioneer MVH-2400NEX displaying the Apple CarPlay interface. The screen shows large icons for core iPhone functions like Phone, Music, Maps, and Messages, optimized for in-car use.

4.5 Android Auto

Connect your Android smartphone via USB to use Android Auto. This integrates your phone's features, including Google Maps navigation, Google Assistant, messaging, and music streaming, onto the receiver's display.



Image: Pioneer MVH-2400NEX displaying the Android Auto interface. The screen shows navigation directions, current music playback information, and quick access buttons for phone and home.

4.6 SiriusXM-Ready

The MVH-2400NEX is SiriusXM-Ready. To access SiriusXM satellite radio, a separate SiriusXM Connect Vehicle Tuner and subscription are required. Install the tuner according to its instructions and activate your subscription.

4.7 Rear-View Camera Input

Connect an optional rear-view camera to the dedicated input. When the vehicle is shifted into reverse, the receiver will automatically display the camera feed on the screen, assisting with parking and maneuvering.

5. MAINTENANCE

To ensure the longevity and optimal performance of your receiver, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, dry cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and button areas.
- **Temperature:** Avoid exposing the unit to extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your MVH-2400NEX, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No Power	Incorrect wiring; Blown fuse; Vehicle battery issue.	Check power and ground connections; Inspect vehicle fuses; Verify battery charge.
No Sound	Speaker wires disconnected; Volume too low; Mute function active; Incorrect audio source.	Check speaker connections; Increase volume; Deactivate mute; Select correct audio source.
Bluetooth Not Connecting	Bluetooth not enabled on phone/receiver; Device not paired; Interference.	Ensure Bluetooth is active on both devices; Re-pair the device; Move closer to the receiver.
CarPlay/Android Auto Not Launching	Incorrect USB cable; Phone not compatible; Parking brake not engaged (for initial setup).	Use a certified USB cable; Ensure phone OS is up-to-date; Engage parking brake.
Touchscreen Unresponsive	System freeze; Dirt on screen.	Perform a soft reset (refer to manual for specific button combination); Clean the screen.

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

7. SPECIFICATIONS

Feature	Specification
Model Number	MVH-2400NEX
Product Dimensions	11 x 9.5 x 6.5 inches
Item Weight	3.54 pounds
Wireless Communication	Bluetooth

Feature	Specification
Connectivity Technologies	Bluetooth, USB
Special Features	Spotify, Touchscreen
Color	Black
Manufacturer	Pioneer
Controller Type	Android (also compatible with iOS via CarPlay)
Compatible Devices	Smartphone
Connector Type	USB
Audio Output Mode	Stereo
Output Power	50 Watts (Max)

8. WARRANTY AND CUSTOMER SUPPORT

Pioneer products are designed for reliability and performance. This product is covered by a limited warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration of coverage.

For technical assistance, troubleshooting, or warranty claims, please contact Pioneer customer support. Contact information can typically be found on the Pioneer official website or on the warranty documentation provided with your unit.

Online Support: Visit the official Pioneer website for FAQs, software updates, and additional support resources.