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› [PIONEER](#) /

› Pioneer AVH-220EX Multimedia DVD Receiver User Manual

PIONEER AVH-220EX

Pioneer AVH-220EX Multimedia DVD Receiver User Manual

Comprehensive instructions for setup, operation, and maintenance.

1. PRODUCT OVERVIEW

The Pioneer AVH-220EX is an in-dash multimedia A/V receiver designed to enhance in-vehicle entertainment and smartphone connectivity. This unit features a 6.2-inch WVGA Clear Resistive Touchscreen, built-in Bluetooth for hands-free calling and audio streaming, and supports audio/video playback from USB and DVD sources. It also includes readiness for a backup camera.

Key Features:

- 6.2" WVGA Clear Resistive Touchscreen
- Android Compatibility
- iPhone Compatibility
- Built-in Bluetooth for hands-free calling and audio streaming
- Back-up Camera Ready
- 13-Band Graphic Equalizer



Front view of the Pioneer AVH-220EX Multimedia DVD Receiver, featuring a 6.2-inch touchscreen display and physical control buttons on the left side.

2. SETUP AND INSTALLATION

This section provides an overview of the components included and their basic connections. For detailed installation instructions, please refer to the complete Owner's Manual available for download.

What's in the Box:

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Video demonstrating the unboxing of the Pioneer AVH-220EX, highlighting included accessories such as the wire harness, installation screws, Bluetooth microphone, and USB extension cable. It also mentions where to find the full owner's manual.

- **Wire Harness:** Used for connecting power, ground, and other electrical connections from the receiver to your vehicle.
- **Installation Screws:** A set of screws for securing the unit during installation.
- **Bluetooth Microphone:** For hands-free calling. It comes with a long wire for flexible placement near the driver.
- **USB A Extension Cable:** Connects to the USB port on the back of the receiver, allowing you to route the USB connection to a convenient location in the passenger compartment.
- **Quick Start Guide:** Provides basic setup and operation instructions.
- **Warranty Card:** Contains important warranty information.

Rear Panel Connections:

The rear panel of the AVH-220EX offers various ports for comprehensive connectivity:

- **USB A Port:** Located on the back, this port is used for playing music and movies from a USB flash drive. An extension cable is provided for convenience.
- **Video Output:** A yellow RCA port for connecting to an external display.
- **Camera Input:** A dedicated brown RCA jack for connecting an optional backup camera, such as the Pioneer ND-BC8.

- **AV AUX Input:** A 3.5mm auxiliary input jack for connecting external audio and video devices.
- **2 Volt RCA Pre-outs (x3):** Three sets of RCA outputs (front, rear, and subwoofer) for connecting external amplifiers.
- **Wire Harness Connection:** The main connector for the vehicle's electrical system.
- **Bluetooth Microphone Input:** A black jack for the included Bluetooth microphone.
- **Steering Wheel Control Input:** For connecting a third-party adapter to integrate with your vehicle's steering wheel controls.
- **AM/FM Antenna Input:** For connecting the vehicle's AM/FM antenna.

3. OPERATING INSTRUCTIONS

Front Panel Controls:

- **Volume Control:** Located on the left side of the unit, use the '+' and '-' buttons to adjust the audio volume.
- **Home Button:** Provides quick access to the main menu and various source options.
- **CD/DVD Player Slot:** Located across the top of the unit for inserting CDs and DVDs.
- **6.2" Touch Screen:** The primary interface for interacting with the receiver's functions, including media playback, settings, and navigation.

Basic Operations:

1. **Power On/Off:** Press and hold the Home button to turn the unit on or off.
2. **Source Selection:** From the Home screen, tap on icons like 'Radio', 'Disc', 'iPod', 'Bluetooth Audio', 'AUX', or 'Camera View' to select your desired audio/video source.
3. **Volume Adjustment:** Use the physical volume buttons on the left panel or the on-screen controls.
4. **Bluetooth Pairing:** Access the Bluetooth Audio menu to pair your smartphone for hands-free calling and wireless audio streaming. The unit supports dual Bluetooth connections.
5. **USB Playback:** Connect a USB flash drive to the USB extension cable to play compatible audio and video files.
6. **Audio Customization:** Access the EQ settings via the touchscreen to adjust the 13-band graphic equalizer for personalized sound.
7. **Illumination and Theme:** The system features multi-color illumination. Customize the display color and theme through the system settings menu.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Pioneer AVH-220EX receiver.

- **Screen Cleaning:** 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 harsh chemicals or abrasive materials.
- **Dust Removal:** Periodically clean dust from the unit's vents and around buttons using a soft brush or compressed air.
- **Connection Check:** Ensure all cables and connections at the rear of the unit are secure and free from corrosion. Loose connections can lead to intermittent issues.
- **Software Updates:** Check the Pioneer Electronics website periodically for any available firmware updates to ensure your unit has the latest features and bug fixes.

5. TROUBLESHOOTING

If you encounter issues with your AVH-220EX, refer to the following common troubleshooting tips. For more detailed solutions, consult the full Owner's Manual.

- **No Power:** Check the vehicle's fuse box and the unit's wiring harness connection. Ensure the ignition is on.
- **No Sound:** Verify volume levels, speaker connections, and amplifier settings (if external amplifiers are used). Check the audio source selection.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the receiver and your smartphone. Delete previous pairings and attempt to re-pair the devices. Move closer to the unit if connection is weak.
- **Disc Playback Errors:** Ensure the disc is clean and free of scratches. Verify the disc format is supported by the unit.
- **Touchscreen Unresponsive:** Try resetting the unit (refer to the Owner's Manual for specific reset procedures). Ensure the screen is clean.

6. SPECIFICATIONS

Feature	Specification
Model Number	AVH-220EX
Manufacturer	Pioneer
Product Dimensions	11 x 9.5 x 6.5 inches
Item Weight	3.95 pounds
Screen Size	6.2 Inches
Display Type	WVGA Clear Resistive Touchscreen
Media Type	CD & DVD
Color	Black
First Available Date	January 22, 2020

7. WARRANTY AND SUPPORT

Your Pioneer AVH-220EX Multimedia DVD Receiver comes with a limited warranty. Please refer to the included warranty card for specific terms and conditions, including coverage details and duration.

For comprehensive support, including detailed installation guides, advanced operation instructions, and troubleshooting tips, you can download the complete Owner's Manual in PDF format from the official Pioneer Electronics website:

[Download Pioneer AVH-220EX Owner's Manual](#)

For further assistance, please contact Pioneer customer support through their official website.

