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> [Pioneer AVH-X490BS Double Din Bluetooth In-Dash DVD/CD/Am/FM Car Stereo Receiver with 7-Inch WVGA Display/Sirius Xm-Ready User Manual](#)

Pioneer AVH-X490BS

Pioneer AVH-X490BS User Manual

Double Din Bluetooth In-Dash DVD/CD/AM/FM Car Stereo Receiver

1. INTRODUCTION

Thank you for purchasing the Pioneer AVH-X490BS In-Dash DVD/CD/AM/FM Car Stereo Receiver. This unit is designed to provide a comprehensive in-car entertainment and communication experience, featuring a 7-inch WVGA display, Bluetooth connectivity for hands-free calling and audio streaming, DVD/CD playback, and SiriusXM readiness. This manual provides essential information for the proper installation, operation, and maintenance of your new receiver.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the unit:

- Do not operate the unit in any way that distracts you from safe driving. Always keep your eyes on the road.
- Ensure proper installation by a qualified professional to prevent electrical shock or fire.
- Do not disassemble or modify the unit. This can result in electric shock, fire, or other malfunctions.
- Keep the volume at a level where you can still hear outside sounds, such as emergency vehicles.
- Avoid exposing the unit to direct sunlight, extreme temperatures, or excessive moisture.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is highly recommended that installation be performed by a professional car audio installer.

3.1. What's in the Box

Verify that all components are present:

- Pioneer AVH-X490BS Receiver
- Remote Control
- Wiring Harness
- USB Cable
- Mounting Hardware

- User Manual (this document)

3.2. Wiring Connections

Refer to the wiring diagram for detailed connections. Ensure all connections are secure and properly insulated.

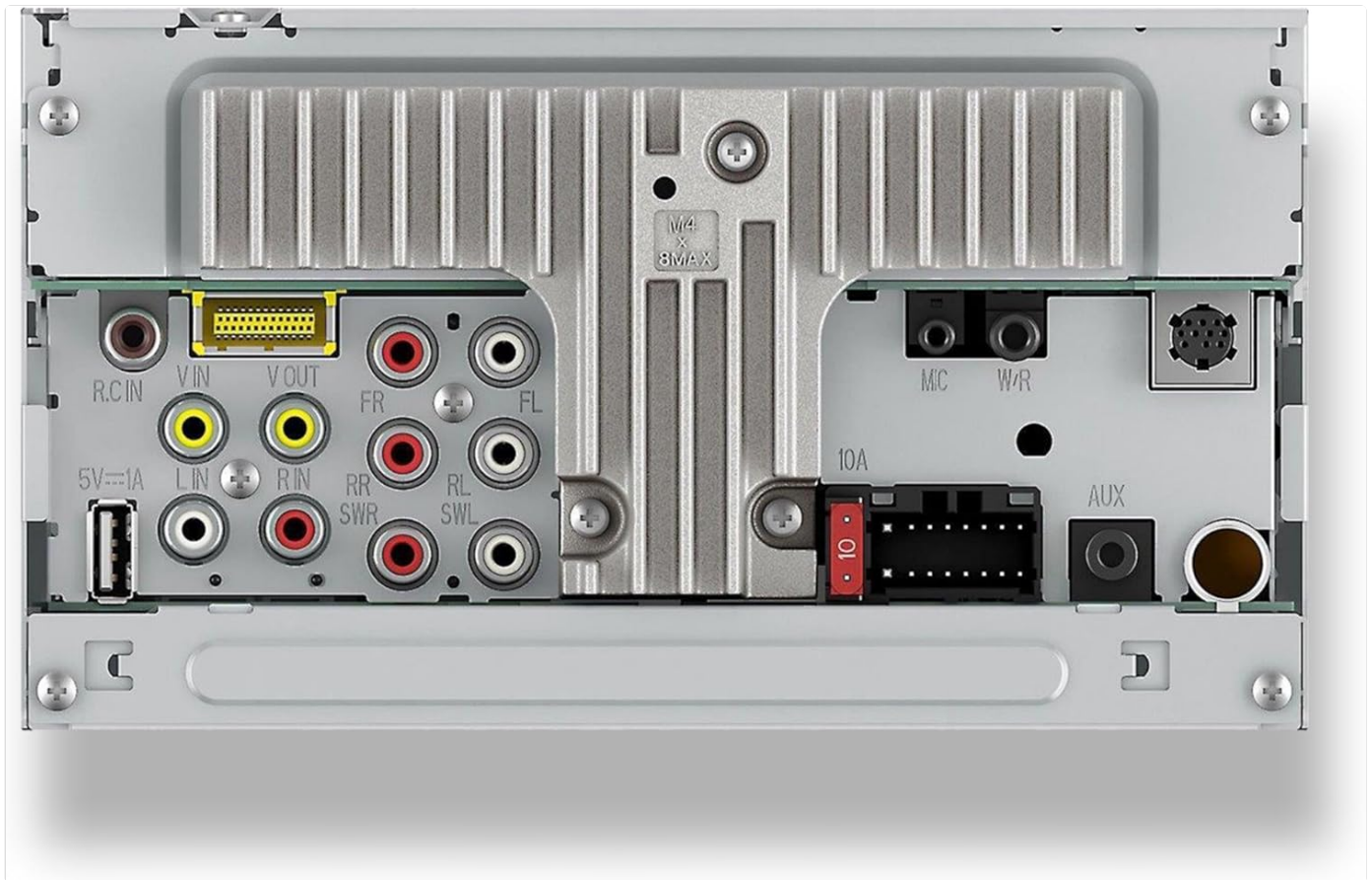


Figure 3.2.1: Rear Panel Connections. This image displays the rear of the Pioneer AVH-X490BS receiver, highlighting the various audio, video, and power input/output ports, including RCA outputs, USB input, microphone input, and the main power harness connection. Proper connection of these ports is essential for full functionality.

- **Power Harness:** Connect the main power harness to your vehicle's wiring, ensuring correct connections for constant power, accessory power, ground, and illumination.
- **Speaker Outputs:** Connect your vehicle's speakers to the corresponding speaker wire outputs on the harness.
- **RCA Outputs:** For external amplifiers, connect the front, rear, and subwoofer RCA outputs.
- **USB Input:** Use the provided USB cable to connect to external devices for media playback or smartphone integration.
- **Microphone Input:** Connect the included microphone for hands-free calling. Position the microphone in a location that allows clear voice pickup.
- **Video Input/Output:** Connect external video sources or monitors as needed.
- **Parking Brake Wire:** This wire must be connected to the vehicle's parking brake system for safety features (e.g., video playback) to function.

3.3. Mounting

Utilize a compatible double-DIN mounting kit for your vehicle to ensure a secure and flush installation in the dashboard.

4. OPERATING INSTRUCTIONS

This section details the primary functions and features of your Pioneer AVH-X490BS receiver.



Figure 4.0.1: Main Display Interface. This image shows the front display of the Pioneer AVH-X490BS, illustrating the main menu with icons for various functions like Apps, Audio/Video, and Phone, along with the current time and Mixtrax logo. This is the primary interface for user interaction.

4.1. Basic Operations

- **Power On/Off:** Press the **MODE** button to turn the unit on. Press and hold to turn off.
- **Volume Control:** Use the volume up/down buttons on the front panel or remote control.
- **Source Selection:** Touch the **Source** icon on the touchscreen or use the remote to select between AM/FM, CD/DVD, USB, Bluetooth Audio, AUX, and SiriusXM (if connected).

4.2. Bluetooth Connectivity

The unit supports Bluetooth for hands-free calling and audio streaming.

1. Pairing a Device:

- a. Go to the **Bluetooth** menu on the receiver.
- b. Enable Bluetooth on your mobile device and search for available devices.
- c. Select "AVH-X490BS" from the list on your device.
- d. Confirm the pairing code on both the receiver and your device.

2. **Hands-Free Calling:** Once paired, you can make and receive calls directly through the receiver. Use the touchscreen to dial, answer, or end calls.

3. **Bluetooth Audio Streaming:** Play music from your paired device wirelessly. Control playback (play/pause, skip) from the receiver's touchscreen.

4.3. DVD/CD Playback

Insert a DVD or CD into the disc slot. The unit will automatically switch to the disc source and begin playback. Use the on-screen controls for navigation and playback options.

4.4. AM/FM Tuner

Select the **Tuner** source. Use the seek buttons to find stations or manually tune. Save your favorite stations to the 18 FM and 12 AM presets.

4.5. SiriusXM Ready

To access SiriusXM satellite radio, a SiriusXM Connect Vehicle Tuner (sold separately) and a subscription are required. Connect the tuner to the dedicated port on the receiver and follow the activation instructions provided by SiriusXM.

4.6. AppRadio One

AppRadio One allows you to control compatible iPhone and Android apps directly from the receiver's touchscreen. Connect your smartphone via USB and launch the AppRadio application on your device.

4.7. Mixtrax

Mixtrax technology creates a non-stop mix of your music library with DJ-style effects and transitions. Activate Mixtrax from the audio settings menu.



Figure 4.7.1: Mixtrax Interface. This image illustrates the Mixtrax feature on the AVH-X490BS display, showing song information, album art, and playback controls within the Mixtrax EZ mode. This mode blends songs together with DJ-style transitions.

4.8. Audio Settings

Access the audio settings menu to adjust equalizer settings (13-band graphic EQ), fader/balance, subwoofer control, and

time alignment. Time alignment optimizes the sound stage for your listening position in the vehicle.

4.9. Display Customization

Personalize the display with various color themes to match your vehicle's interior lighting. Navigate to the display settings menu to choose your preferred color scheme.

5. MAINTENANCE

- **Cleaning the Display:** Use a soft, dry cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen cleaner designed for electronics. Do not use abrasive cleaners or solvents.
- **General Care:** Keep the unit free from dust and debris. Avoid spilling liquids on the unit.
- **Disc Care:** Handle discs by their edges. Keep them clean and free of scratches to ensure proper playback.

6. TROUBLESHOOTING

If you encounter issues with your AVH-X490BS, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Blown fuse; incorrect wiring; vehicle battery issue.	Check the fuse on the unit and in the vehicle's fuse box. Verify power and ground connections. Check vehicle battery.
No sound	Volume too low; mute activated; incorrect speaker wiring; amplifier issue (if external).	Increase volume. Check if mute is on. Verify speaker connections. Check external amplifier power/connections.
Bluetooth connection issues	Device not paired; Bluetooth off on device/unit; interference.	Ensure Bluetooth is enabled on both devices. Re-pair the device. Move closer to the unit. Clear previous pairings.
Disc playback errors	Dirty or scratched disc; incompatible disc format.	Clean the disc. Try a different disc. Ensure the disc format is supported (DVD-R/RW, CD-R/RW).
Screen frozen or unresponsive	Temporary software glitch.	Perform a soft reset by pressing the reset button (usually a small pinhole) or by turning off the vehicle's ignition and restarting.

7. SPECIFICATIONS

Model Number: AVH-X490BS

Display: 7-inch WVGA Touchscreen

Power Output: Peak: 50 Watts x 4 Channels / RMS: 14 Watts x 4 Channels

Connectivity: Bluetooth, USB, AUX, RCA Pre-outs

Disc Compatibility: DVD, CD, CD-R/RW, DVD-R/RW

Tuner: AM/FM with 18 FM / 12 AM Presets

Special Features: Mixtrax, AppRadio One, SiriusXM Ready, Time Alignment, 13-Band Graphic EQ

Dimensions (Product): 11 x 9.5 x 6 inches

Weight (Item): 5.41 pounds

Color: Dark Gray/Black

8. WARRANTY INFORMATION

Pioneer provides a limited warranty for this product. For detailed information regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or visit the official Pioneer website. Keep your purchase receipt as proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please contact Pioneer customer support:

- **Pioneer Official Website:** www.pioneerelectronics.com
- Refer to the contact section on the website for phone numbers and email support options specific to your region.

