

## PIONEER AVH-1550NEX

# Pioneer AVH-1550NEX 6.2 Inch AV Receiver User Manual

Model: AVH-1550NEX

## INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Pioneer AVH-1550NEX 6.2 Inch AV Receiver. Please read this manual thoroughly before using the product to ensure proper usage and to prevent damage.

The Pioneer AVH-1550NEX is designed to enhance your in-car entertainment and connectivity experience, featuring Apple CarPlay, Bluetooth, and compatibility with various audio sources.



Image: Front view of the Pioneer AVH-1550NEX AV Receiver, showing its 6.2-inch touchscreen display with the main menu interface, including icons for WebLink, Smartphone, and Music Player. Physical buttons for volume and other functions are visible on the left bezel.

## SAFETY INFORMATION

---

### WARNING:

- Do not operate the system in a way that distracts you from safe driving. Always observe traffic rules and regulations.
- Ensure proper installation by a qualified professional to prevent electrical shock or fire.
- Do not disassemble or modify the unit. This may result in electric shock, fire, or other accidents.
- Keep the volume at a level where you can still hear outside sounds, such as emergency vehicle sirens.
- Refer to your vehicle's owner's manual for specific instructions regarding in-dash component installation.

## PACKAGE CONTENTS

---

Upon opening the package, verify that all components are present. Typical contents include:

- Pioneer AVH-1550NEX AV Receiver Unit
- Power/Speaker Wiring Harness
- USB Extension Cable
- Microphone for Bluetooth Hands-Free Calling
- Mounting Hardware
- User Manual (this document)
- Warranty Information

## SETUP AND INSTALLATION

---

### 1. Pre-Installation Check

Before beginning installation, ensure your vehicle's battery is disconnected to prevent electrical shorts. Gather all necessary tools and additional vehicle-specific installation kits (e.g., dash kit, wiring harness adapter, antenna adapter) if required.

### 2. Wiring Connections

Carefully connect the wiring harness provided with the AVH-1550NEX to your vehicle's wiring. Match wire colors and functions according to the wiring diagrams in the full installation guide (not included in this manual). Key connections include:

- **Power:** Constant 12V (Yellow), Switched 12V (Red), Ground (Black).
- **Speakers:** Connect to appropriate vehicle speaker wires (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, etc.).
- **Parking Brake:** Connect the light green wire to the vehicle's parking brake circuit. This connection is crucial for accessing certain features for safety reasons.

- **Reverse Gear Signal:** Connect to the vehicle's reverse light circuit for automatic backup camera activation.
- **Remote Turn-On:** Blue/White wire for external amplifiers or power antennas.

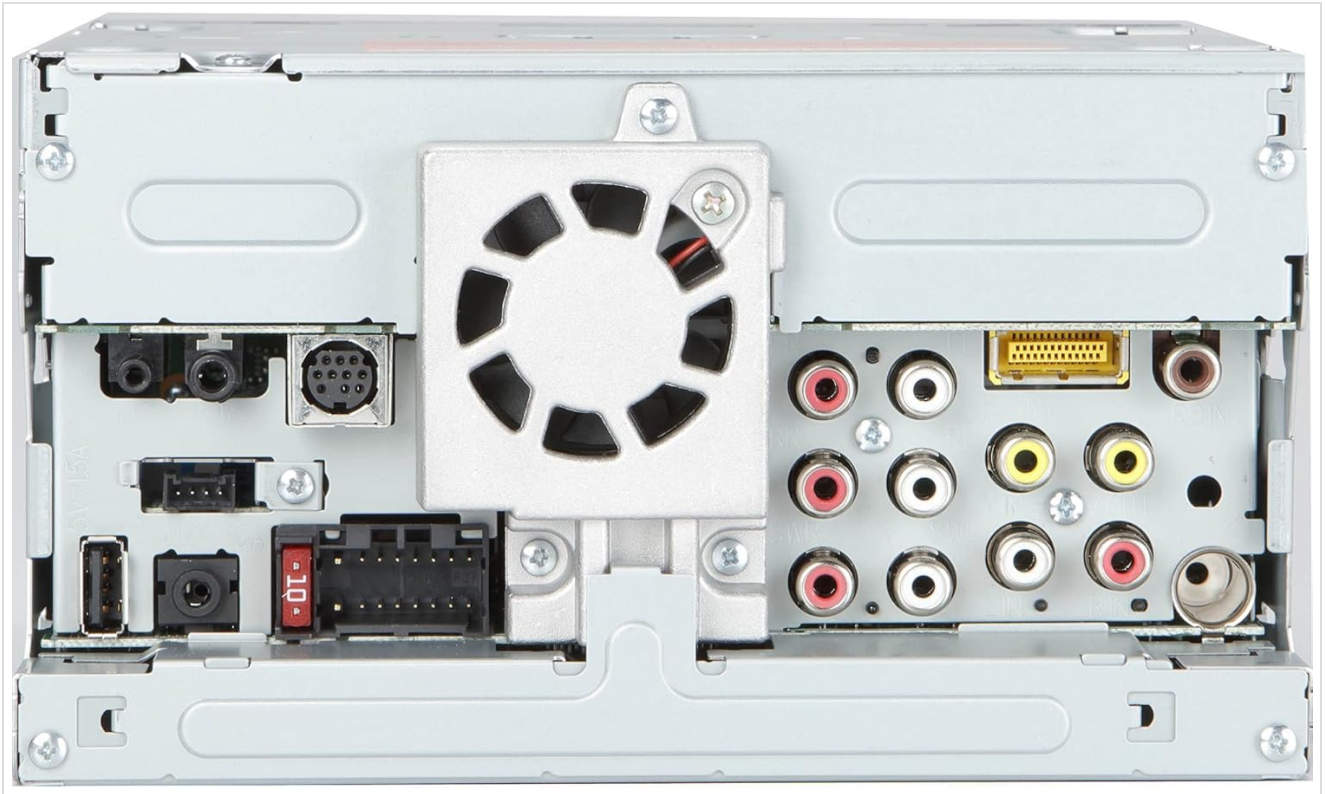


Image: Rear view of the Pioneer AVH-1550NEX unit, illustrating the various connection ports including RCA outputs, USB input, antenna input, and the main wiring harness connector. A cooling fan is also visible.

### 3. External Connections

- **USB:** Connect the supplied USB extension cable to the rear USB port and route it to a convenient location for smartphone connection or USB media.
- **Microphone:** Plug the microphone into the dedicated input and position it in a location that allows for clear voice pickup (e.g., near the sun visor).
- **RCA Outputs:** For connecting external amplifiers (Front, Rear, Subwoofer).
- **Video Input:** For connecting a backup camera or other video sources.

### 4. Mounting the Unit

Secure the AV receiver into the vehicle's dashboard using the provided mounting hardware and any vehicle-specific dash kits. Ensure the unit is firmly seated and does not obstruct any vehicle controls.

### 5. Initial Power-On and Settings

Reconnect the vehicle's battery. Turn on the ignition and then the AV receiver. Follow any on-screen prompts for initial setup, such as language selection and time zone. Access the system settings menu to configure audio preferences, display settings, and other advanced features.

## OPERATING INSTRUCTIONS

### Basic Controls

- **Power On/Off:** Press and hold the **MODE** button (or similar power icon on screen) to turn the unit on or off.
- **Volume Control:** Use the **VOL +** and **VOL -** buttons on the left bezel or the on-screen controls.

- **Source Selection:** Tap the **Source** icon on the home screen or press the **SRC** button (if available) to cycle through available audio/video sources (Radio, USB, Bluetooth Audio, CarPlay, etc.).
- **Display Adjustment:** Access display settings via the **Settings** menu to adjust brightness, contrast, and color.

## Apple CarPlay

Apple CarPlay integrates your iPhone with the AVH-1550NEX, allowing you to access navigation, make calls, send messages, and listen to music directly from the receiver's display.

1. Connect your iPhone to the USB port of the AVH-1550NEX using a certified Apple Lightning to USB cable.
2. The CarPlay interface will automatically launch on the receiver's screen. If not, select the CarPlay icon from the home screen.
3. Use the touchscreen to navigate through apps like Phone, Music, Maps, Messages, and Podcasts.
4. Activate Siri by pressing the voice control button on your steering wheel (if connected) or by touching and holding the Home button on the CarPlay screen.



Image: The Pioneer AVH-1550NEX screen showing the Apple CarPlay interface. Icons for Phone, Music, Maps, Messages, Now Playing, NEX, Podcasts, and Audiobooks are clearly visible, indicating seamless iPhone integration.

## Bluetooth Connectivity

Pair your smartphone via Bluetooth for hands-free calling and audio streaming.

1. On the AVH-1550NEX, go to the **Settings** menu and select **Bluetooth**.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select "AVH-1550NEX" from your phone's list of devices.
4. Confirm the pairing code on both the receiver and your phone.
5. Once paired, you can make and receive calls, and stream audio wirelessly.

## Amazon Alexa Integration

When paired with the Pioneer Vozsis App on your smartphone, the AVH-1550NEX supports Amazon Alexa functionality.

1. Download and install the Pioneer Vozsis App on your smartphone.

2. Connect your smartphone to the AVH-1550NEX via Bluetooth.
3. Launch the Voysis App and follow the on-screen instructions to link your Amazon account.
4. Once configured, you can use voice commands to access Alexa features through the receiver.

## Audio/Video Playback

The AVH-1550NEX supports various media sources:

- **USB Media:** Connect a USB storage device containing audio (MP3, WMA, AAC, FLAC) or video files (DivX, MPEG-1/2/4, H.264, WMV, MKV, FLV) to the USB port. Select "USB" as the source.
- **Radio:** Select "Tuner" or "Radio" as the source to access AM/FM radio. Use the on-screen controls to tune stations, save presets, and switch between bands.
- **Pandora/SiriusXM:** The unit is compatible with Pandora and SiriusXM (subscription and additional tuner may be required). Select the respective source and follow on-screen instructions for setup and playback.
- **Auxiliary Input:** Connect external audio players to the 3.5mm auxiliary input (if available, check rear connections).



Image: The Pioneer AVH-1550NEX screen showing a music playback interface, likely from an iPod or USB source. It displays album art, song title, artist, and playback controls (play/pause, skip tracks).

## Parking Assist Guidelines

If a compatible backup camera is connected, the AVH-1550NEX can display selectable parking assist guidelines on the screen when the vehicle is in reverse. These guidelines can be adjusted in the system settings menu to match your vehicle's dimensions and camera angle.

## MAINTENANCE

### Cleaning the Display

To clean the touchscreen display, gently wipe it with a soft, dry cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid using abrasive cleaners, solvents, or alcohol-based solutions, as these can damage the screen coating.

## General Care

- Keep the unit free from dust and debris.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- Ensure all connections are secure to prevent intermittent issues.

## TROUBLESHOOTING

If you encounter issues with your AVH-1550NEX, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Blown fuse, incorrect wiring, loose connection.	Check vehicle fuses and the unit's fuse. Verify power and ground connections. Ensure the ignition is on.
No sound	Volume too low, mute activated, incorrect speaker wiring, amplifier issues.	Increase volume. Check if mute is active. Verify speaker connections. Check external amplifier status if used.
Bluetooth not connecting	Bluetooth off on phone/unit, incorrect pairing process, interference.	Ensure Bluetooth is enabled on both devices. Delete previous pairings and re-pair. Move closer to the unit.
CarPlay not launching	Faulty USB cable, iPhone not compatible, CarPlay disabled on iPhone.	Use a certified Apple USB cable. Ensure iPhone is running iOS 7.1 or later. Check iPhone settings for CarPlay access.
Certain features unavailable (e.g., video playback)	Parking brake not engaged or incorrectly wired.	Ensure the parking brake is fully engaged. Verify the parking brake wire connection.

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

## SPECIFICATIONS

Key specifications for the Pioneer AVH-1550NEX AV Receiver:

- **Model Number:** AVH-1550NEX
- **Display Size:** 6.2-inch touchscreen (visible screen diagonal: 7" / 16 cm)
- **Connectivity:** Bluetooth, USB, RCA
- **Compatible Devices:** Smartphone (Apple CarPlay, Amazon Alexa via Vozsis App)
- **Audio Encoding:** Stereo
- **Video Encoding:** Multiple video encoding formats
- **Item Weight:** 4.33 pounds
- **Product Dimensions:** 11 x 11 x 7 inches
- **Manufacturer:** Pioneer
- **First Available Date:** January 17, 2019

## WARRANTY AND SUPPORT

---

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

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Pioneer customer support through their official channels. Contact information can typically be found on the Pioneer website or in the product packaging.

**Online Resources:** [Pioneer Electronics Official Website](#)