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Sony XAV-AX8100

Sony XAV-AX8100 9-inch Floating Multimedia Receiver User Manual

Model: XAV-AX8100

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1. INTRODUCTION

This manual provides instructions for the proper installation, operation, and maintenance of your Sony XAV-AX8100 9-inch Floating Multimedia Receiver. Please read this manual thoroughly before using the product to ensure safe and correct usage. Keep this manual for future reference.



Figure 1.1: Front view of the Sony XAV-AX8100 Multimedia Receiver, showcasing its large 9-inch display.

2. SETUP AND INSTALLATION

The Sony XAV-AX8100 features a single-DIN chassis, allowing for flexible installation in a wide range of vehicles. The 9-inch display is designed to float over your dashboard, and its sturdy mount can be adjusted in three directions for optimal positioning.

2.1. Unpacking the Unit

Carefully unpack the receiver and check for the following included items:

- Sony XAV-AX8100 Multimedia Receiver
- Bluetooth Microphone
- Power/Speaker Harness
- User Manual (this document)

2.2. Installation Considerations

Due to the floating display design, ensure adequate clearance in your vehicle's dashboard area. Professional

installation is recommended to ensure proper wiring and secure mounting.



Figure 2.1: Side view illustrating the single-DIN chassis and the adjustable floating display of the XAV-AX8100.



Figure 2.2: Rear connections of the XAV-AX8100, including the wiring harness for power and speakers.

3. OPERATION

3.1. Powering On/Off

To power on the unit, turn your vehicle's ignition to the ACC or ON position. The unit will power off when the ignition is turned off. A dedicated power button may also be available on the front panel for manual control.

3.2. Touchscreen Interface

The XAV-AX8100 features a responsive touchscreen for navigating menus, selecting functions, and controlling media playback. The main screen displays time, radio, SiriusXM, Bluetooth, HDMI, and Rear Camera options.



Figure 3.1: The main screen of the XAV-AX8100, providing quick access to primary functions.

3.3. Smartphone Integration (Apple CarPlay & Android Auto)

Connect your compatible smartphone via USB to access Apple CarPlay or Android Auto. These features allow you to use your phone's navigation, music, messaging, and other apps directly on the receiver's display.

- **Apple CarPlay:** Connect your iPhone using a USB cable. The CarPlay interface will appear on the receiver's screen, providing access to iOS apps.
- **Android Auto:** Connect your Android phone using a USB cable. The Android Auto interface will launch, offering access to Android apps optimized for driving.



Figure 3.2: Apple CarPlay interface displayed on the XAV-AX8100, with a connected iPhone.

3.4. HDMI Video Input

The XAV-AX8100 includes an HDMI input for connecting external video sources. This allows you to display content from compatible devices directly on the 9-inch screen.



Figure 3.3: The XAV-AX8100 displaying video content via its HDMI input.

3.5. Audio Enhancements

- **EXTRA BASS™:** This feature adds low-end power to your audio, enhancing bass frequencies for a more impactful sound.
- **Dynamic Stage Organizer:** Create virtual speakers on your dashboard, optimizing the sound field for an improved listening experience.



Figure 3.4: Adjusting sound settings on the XAV-AX8100, including EXTRA BASS.



Figure 3.5: Visual representation of Dynamic Stage Organizer creating virtual speakers.

4. MAINTENANCE

4.1. 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-safe cleaner. Avoid abrasive materials or harsh chemicals, as these can damage the screen surface.

4.2. General Care

Keep the unit free from dust and debris. Ensure all connections are secure and free from corrosion. Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods, as this may affect performance and longevity.

5. TROUBLESHOOTING

If you encounter issues with your Sony XAV-AX8100, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Blown fuse; Incorrect wiring.	Check vehicle's ignition and battery connections. Inspect the unit's fuse and replace if necessary. Verify wiring connections.
No sound or distorted audio.	Incorrect speaker wiring; Volume too low; Mute activated; Audio settings misconfigured.	Check speaker connections. Increase volume. Deactivate mute function. Adjust audio settings (e.g., equalizer, balance).

Problem	Possible Cause	Solution
Apple CarPlay/Android Auto disconnects frequently.	Faulty USB cable; Loose connection; Software glitch.	Try a different, high-quality USB cable. Ensure the USB connection is secure at both ends. Restart your phone and the receiver. Check for firmware updates for the receiver.
Screen is too bright/cannot dim sufficiently.	Display settings not optimized.	Access the display settings menu on the receiver and adjust brightness or dimmer options.
HDMI input not displaying content.	Incompatible device/cable; Incorrect input selected; HDCP issues.	Ensure your external device is compatible and outputting a supported resolution. Use a certified HDMI cable. Select the correct HDMI input on the receiver. Some content may be protected by HDCP and not display.

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

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	9.96 x 9.02 x 5.35 inches
Item Weight	1 pounds
Model Number	XAV-AX8100
Brand	Sony
Connectivity Technology	Bluetooth, HDMI, USB
Controller Type	Android (for Android Auto)
Special Feature	Touchscreen
Compatible Devices	Smartphone, Speaker
Total HDMI Ports	1
Connector Type	HDMI
Audio Encoding	Windows Media Audio (WMA)
Audio Output Mode	Mono, Stereo
Surround Sound Channel Configuration	5.1

7. WARRANTY & SUPPORT

7.1. Product Warranty

This Sony XAV-AX8100 unit, if purchased as a Certified Refurbished product, includes a 90-day limited hardware warranty. For new products, please refer to the warranty information provided at the time of purchase or on the official Sony website for specific terms and conditions.

7.2. Customer Support

For technical assistance, product inquiries, or warranty claims, please contact Sony customer support through their official website or the contact information provided in your product packaging. You may also find additional resources, FAQs, and firmware updates on the Sony support website.

Sony Official Website: www.sony.com

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