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## Sony XAV-AX3200

# Sony XAV-AX3200 Car Stereo and ACAM4 Backup Camera Instruction Manual

Model: XAV-AX3200

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## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Sony XAV-AX3200 digital media receiver and the included ACAM4 backup camera. The XAV-AX3200 is designed to enhance your in-car entertainment and connectivity with features like Apple CarPlay, Android Auto, Bluetooth, and a responsive touchscreen display. Please read this manual thoroughly before using the product to ensure proper and safe operation.



Image: The Sony XAV-AX3200 digital media receiver's main display interface.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent accidents, injury, or damage to the unit. Keep this manual for future reference.

- **Driving Safety:** Do not operate the unit in a way that distracts you from driving. Always keep your eyes on the road and hands on the steering wheel.
- **Volume Control:** Keep the volume at a level where you can still hear outside sounds, such as emergency vehicle sirens.
- **Installation:** Professional installation is recommended. Incorrect installation can lead to malfunction or damage. Ensure all wiring is secure and properly insulated.
- **Power Supply:** Connect the unit only to a 12V DC car battery with a negative ground.
- **Avoid Moisture:** Do not expose the unit to rain or moisture to prevent fire or electric shock.
- **Temperature:** Avoid extreme temperatures. The operating temperature range is typically 0°C to 40°C (32°F to 104°F).

104°F).

- **Backup Camera:** The backup camera is an aid. Always check your surroundings visually before backing up.

### 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Sony XAV-AX3200 Digital Media Receiver
- ACAM4 Backup Camera
- Remote Control (RM-X170)
- Wiring Harness
- USB Extension Cable
- Microphone
- Mounting Hardware
- Instruction Manual (this document)

## LICENSE PLATE MOUNTED BACK-UP CAMERA



### HIGH PERFORMANCE CCD

CCD sensors have a high output that results in cleaner, higher-quality images.



### WATERPROOF

IP67 rated for protection against effects of immersion in water under pressure for long periods.



### PARKING LINES

On-screen built-in parking lines for distance measurement. Selectable on/off



### WIDE ANGLE VISION

150° wide-angle lens offers great visibility with virtually zero blind spots.



### LIGHT SENSITIVITY

<01 LUX, smallest amount of light needed to produce an image of usable quality.



### VIDEO

NTSC/PAL, standard broadcast format for most regions.



### BUTTERFLY MOUNT

Included along with the license plate bracket.

VOXX™



Image: The Sony XAV-AX3200 head unit and its remote control.



*Image: Components of the ACAM4 backup camera system.*

## 4. SETUP & INSTALLATION

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Installation of the XAV-AX3200 and ACAM4 backup camera requires technical knowledge. If you are unsure about any steps, consult a qualified professional installer. Disconnect the vehicle's negative battery terminal before beginning installation.

### 4.1 Wiring Connections

Refer to the wiring diagram provided with the unit for specific connections. Key connections include:

- **Power (Yellow):** Constant 12V from battery.
- **Accessory (Red):** Switched 12V from ignition.
- **Ground (Black):** To vehicle chassis.
- **Speaker Wires:** Connect to appropriate vehicle speakers (Front L/R, Rear L/R).
- **Parking Brake (Light Green):** Connect to parking brake switch for video playback safety.
- **Reverse Gear (Purple/White):** Connect to reverse light circuit for automatic backup camera activation.
- **Remote Out (Blue/White):** For external amplifier or antenna.
- **USB Input:** Connect the supplied USB extension cable.
- **Microphone Input:** Connect the external microphone for hands-free calling and voice commands.



Image: Rear panel connections of the XAV-AX3200 unit.

## 4.2 Head Unit Mounting

Install the XAV-AX3200 into a standard 2-DIN opening in your vehicle's dashboard. Secure it using the provided mounting brackets and screws. Ensure the unit is firmly seated and does not obstruct any vehicle controls or airbags.



Image: The XAV-AX3200 unit installed in a car dashboard.

## 4.3 ACAM4 Backup Camera Installation

The ACAM4 backup camera is designed for license plate mounting. Follow these steps:

1. **Mounting:** Secure the camera bracket behind your vehicle's license plate using existing screws or provided hardware. Ensure the camera lens has a clear view.
2. **Wiring:**

- Connect the camera's power wire (red) to the vehicle's reverse light power wire.
- Connect the camera's ground wire (black) to a suitable chassis ground point.
- Run the video RCA cable from the camera to the "REAR CAMERA IN" RCA input on the XAV-AX3200 unit.

3. **Testing:** After installation, reconnect the battery and test the camera by engaging reverse gear. The image should automatically display on the XAV-AX3200 screen.

*Image: Features and mounting style of a license plate backup camera.*

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Operation

- **Power On/Off:** Press the **HOME** button to turn the unit on. Press and hold to turn off.
- **Volume Control:** Use the **VOL + / -** buttons on the front panel or remote control.
- **Source Selection:** Tap the desired icon on the home screen (e.g., Radio, SXM, Bluetooth, USB) to select an audio/video source.
- **Touchscreen:** Navigate menus and control functions by tapping or swiping the resistive touchscreen.



*Image: User interacting with the XAV-AX3200 touchscreen.*

### 5.2 Apple CarPlay & Android Auto

Connect your compatible smartphone via the USB port to access Apple CarPlay or Android Auto. This allows you to use navigation, make calls, send messages, and listen to music directly from your phone's interface on the XAV-AX3200 display.

- **Connection:** Use a certified USB cable to connect your iPhone or Android phone to the unit's USB port.
- **Activation:** CarPlay or Android Auto will launch automatically. Follow any on-screen prompts on the unit and your phone.
- **Voice Control:** Use Siri (for CarPlay) or Google Assistant (for Android Auto) by pressing the voice button on the unit or steering wheel controls (if configured).



*Image: Apple CarPlay interface displayed on the XAV-AX3200.*

### 5.3 Bluetooth Hands-Free Calling & Audio Streaming

Pair your Bluetooth-enabled phone for hands-free communication and wireless audio playback.

#### 1. Pairing:

- On the XAV-AX3200, go to the **Bluetooth** menu.
- Enable Bluetooth on your phone and search for available devices.
- Select "XAV-AX3200" from your phone's list and confirm the pairing code.

2. **Calling:** Use the touchscreen to dial numbers, access contacts, or answer/end calls.

3. **Audio Streaming:** Select Bluetooth as the source to stream music from your phone.

### 5.4 Radio & SiriusXM

Access AM/FM radio or SiriusXM satellite radio (SiriusXM tuner and subscription sold separately).

- **Radio:** Select the **Radio** icon. Use the touchscreen to tune stations, save presets, and switch between AM/FM bands.
- **SiriusXM:** If a SiriusXM tuner is connected, select the **SXM** icon. Follow the on-screen instructions to activate your subscription and browse channels.

### 5.5 Backup Camera Display

When the vehicle is shifted into reverse, the XAV-AX3200 will automatically display the feed from the connected ACAM4 backup camera. Parking guidelines may appear on the screen to assist with maneuvering.



Image: Backup camera view displayed on the XAV-AX3200 screen.

## 5.6 Sound Settings

Access the sound settings menu to adjust audio preferences, including equalizer, balance, fader, and the **EXTRA BASS** feature for enhanced low-frequency sound.

## 6. MAINTENANCE

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- **Cleaning the Screen:** Use a soft, dry cloth to wipe the touchscreen. For stubborn smudges, lightly dampen the cloth with water or a screen cleaner specifically designed for electronics. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Wipe the unit's exterior with a soft, dry cloth.
- **Firmware Updates:** Periodically check the Sony support website for firmware updates to ensure optimal performance and access to new features. Follow the instructions provided with the update carefully.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power	Blown fuse; incorrect wiring; loose connection.	Check vehicle fuses and the unit's fuse. Verify all power and ground connections.
No sound	Volume too low; mute activated; incorrect speaker wiring; incorrect source selected.	Increase volume. Check if mute is on. Verify speaker connections. Select correct audio source.
Backup camera not displaying	Incorrect camera wiring; reverse trigger wire not connected; camera malfunction.	Ensure camera power and video cables are correctly connected. Verify the reverse trigger wire is connected to the vehicle's reverse light circuit.
Apple CarPlay/Android Auto not starting	Faulty USB cable; phone not compatible; phone software outdated; USB port issue.	Use a high-quality, certified USB cable. Ensure your phone's OS is up to date. Check phone compatibility. Try a different USB port if available.

Problem	Possible Cause	Solution
Bluetooth pairing issues	Bluetooth not enabled on phone/unit; incorrect pairing procedure; interference.	Ensure Bluetooth is enabled on both devices. Repeat pairing steps. Move away from other Bluetooth devices.
Screen freezes or is unresponsive	Temporary software glitch.	Turn the vehicle ignition off and then on again. If the issue persists, consult Sony support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	XAV-AX3200
Screen Size	6.95 inches
Display Type	Resistive Touchscreen
Connectivity	Bluetooth, USB, HDMI (via WebLink Cast)
Smartphone Integration	Apple CarPlay, Android Auto, WebLink Cast
Audio Output Mode	Stereo
Amplifier Power	4 x 55W (Dynamic Reality Amp 2)
Pre-out Voltage	3 Pre-outs (Front, Rear, Sub)
Equalizer	10-band Graphic Equalizer
Dimensions (W x H x D)	Approx. 7.0 x 3.9 x 5.5 inches (178 x 100 x 139 mm) (Chassis)
Weight	Approx. 2.4 lbs (1.1 kg)
Backup Camera	ACAM4 (Included)

## 9. WARRANTY & SUPPORT

Sony products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Sony support website. For technical assistance, product registration, or to find authorized service centers, please visit the Sony support website or contact their customer service. Keep your proof of purchase for warranty claims.

- **Sony Support Website:** [www.sony.com/electronics/support](http://www.sony.com/electronics/support)
- **Product Registration:** Registering your product can help you receive important updates and support.



