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› Denon AV Surround Amplifier AVC-3920SP User Manual

## Denon AVC-3920SP

# Denon AV Surround Amplifier AVC-3920SP User Manual

Model: AVC-3920SP

## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your Denon AV Surround Amplifier AVC-3920SP. Please read this manual thoroughly before operating the unit and retain it for future reference. This amplifier is designed to deliver high-quality audio and video performance for your home entertainment system.

## 2. SAFETY INFORMATION

To ensure safe operation and prevent damage, observe the following precautions:

- **Power Supply:** Connect the unit only to an AC outlet of the specified voltage.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings or place the unit on soft surfaces that may impede airflow.
- **Moisture:** Do not expose the unit to rain or moisture. Avoid placing objects filled with liquids, such as vases, on the unit.
- **Foreign Objects:** Do not insert any foreign objects into the unit's openings.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the unit on a stable, level surface away from direct sunlight, heat sources, and excessive dust.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Denon AV Surround Amplifier AVC-3920SP Main Unit
- Remote Control Unit
- Power Cord
- User Manual (this document)



**Figure 3.1:** Included accessories: remote control, power cord, and user manual. These items are essential for the basic operation and setup of the amplifier.

## 4. SETUP

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### 4.1 Physical Placement

Place the amplifier on a sturdy, level surface with adequate space around it for ventilation. Avoid enclosed cabinets without proper airflow.



**Figure 4.1:** Top view of the AVC-3920SP, highlighting the ventilation grilles. Ensure these grilles are not obstructed to prevent overheating.

## 4.2 Connecting Speakers

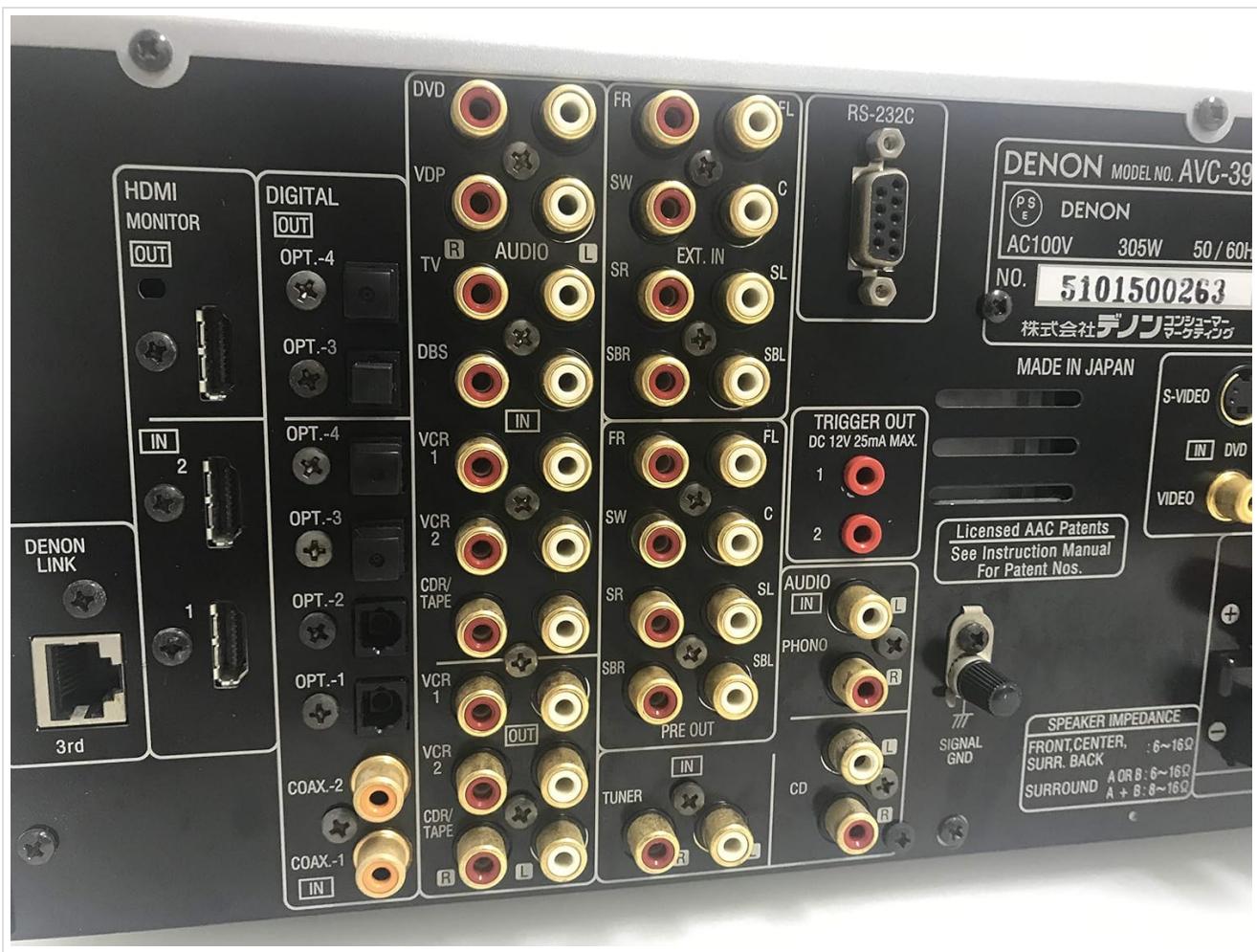
The AVC-3920SP supports a 7.1 channel speaker configuration. Connect your speakers to the corresponding terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for optimal sound.

1. Connect Front Left (FL) and Front Right (FR) speakers.
2. Connect Center (C) speaker.
3. Connect Surround Left (SL) and Surround Right (SR) speakers.
4. Connect Surround Back Left (SBL) and Surround Back Right (SBR) speakers for 7.1 channel audio.
5. Connect a powered subwoofer to the PRE OUT SW terminal.

## 4.3 Connecting Audio/Video Sources

Use appropriate cables to connect your audio and video devices to the amplifier.

1. **HDMI Connections:** Connect HDMI output from your source devices (e.g., Blu-ray player, game console) to the HDMI IN 1 or HDMI IN 2 ports. Connect the HDMI MONITOR OUT to your TV or projector.
2. **Digital Audio Connections:** For devices with optical or coaxial digital outputs, connect them to the OPTICAL IN (OPT-1 to OPT-4) or COAXIAL IN (COAX-1, COAX-2) ports.
3. **Analog Audio Connections:** Use RCA cables for analog audio sources (e.g., CD player, tape deck) to the AUDIO IN ports.
4. **Component Video Connections:** Connect component video sources (Y, Pb/Cb, Pr/Cr) to the COMPONENT VIDEO IN ports.
5. **S-Video/Composite Video Connections:** Connect S-Video or composite video sources to the respective IN ports.



**Figure 4.2:** Overview of the rear panel connections. This image displays the comprehensive array of inputs and outputs, including HDMI, digital audio, analog audio, and speaker terminals.



**Figure 4.3:** Detailed view of the rear panel's HDMI, digital audio, and speaker connections. This close-up helps in identifying specific

ports for accurate wiring.

## 4.4 Power Connection

After all audio and video connections are made, connect the supplied power cord to the AC IN terminal on the rear of the amplifier and then to a wall outlet.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

- Power On/Off:** Press the **ON/STANDBY** button on the front panel or the remote control to turn the unit on or off.
- Input Selection:** Use the **SOURCE** knob on the front panel or the input selector buttons on the remote control to choose your desired audio/video source (e.g., DVD, CD, TV).
- Volume Control:** Adjust the **MASTER VOLUME** knob on the front panel or the **VOLUME +/-** buttons on the remote control.



**Figure 5.1:** Front view of the Denon AVC-3920SP. This image shows the main controls including the power button, input selector, and master volume knob.

### 5.2 Front Panel Controls

The front panel provides direct access to essential functions.

- FUNCTION Knob:** Selects various operational modes or settings.
- SOURCE Knob:** Selects the input source.
- REC SELECT Button:** Selects the source for recording.
- VIDEO SELECT Button:** Selects the video input.

- **ON/STANDBY Button:** Powers the unit on or off.
- **MASTER VOLUME Knob:** Adjusts the overall sound level.



**Figure 5.2:** Left front panel controls, including the FUNCTION knob, SOURCE, REC SELECT, VIDEO SELECT buttons, and the ON/STANDBY button.



**Figure 5.3:** Right front panel controls, featuring the MASTER VOLUME knob and USER MODE buttons.

A hidden panel on the front provides access to advanced controls:



**Figure 5.4:** Front panel with the hidden compartment open. This reveals controls for sound modes, system setup, and a headphone jack.

### 5.3 Remote Control Functions

The supplied remote control allows convenient operation from a distance. Refer to the remote control diagram in the separate remote control manual for detailed button functions.

### 5.4 Sound Modes

The AVC-3920SP supports various surround sound formats:

- **DOLBY DIGITAL EX:** Provides enhanced surround sound with an additional rear center channel.
- **DTS-ES:** Offers discrete or matrixed surround back channels for a more immersive experience.
- Other sound modes can be selected via the front panel or remote control.

## 6. MAINTENANCE

### 6.1 Cleaning

Wipe the unit with a soft, dry cloth. For stubborn dirt, lightly dampen the cloth with water or a mild, non-abrasive cleaner. Do not use strong solvents or abrasive pads.

### 6.2 Storage

If storing the unit for an extended period, disconnect the power cord and place it in a cool, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

If you experience problems with your amplifier, consult the table below for common issues and solutions.

Problem	Possible Cause	Solution
No power	Power cord disconnected; Unit in standby mode; Power outage	Check power cord connection; Press ON/STANDBY button; Check household circuit breaker
No sound	Incorrect input selected; Volume too low; Speakers not connected properly; Mute function active	Select correct input source; Increase volume; Check speaker connections and polarity; Deactivate mute function
No video	Incorrect input selected; Video cables not connected properly; TV/projector input incorrect	Select correct input source; Check video cable connections; Select correct input on TV/projector
Remote control not working	Batteries depleted; Obstruction between remote and unit; Incorrect remote mode	Replace batteries; Remove obstruction; Ensure remote is in the correct operating mode

## 8. SPECIFICATIONS

Technical specifications for the Denon AV Surround Amplifier AVC-3920SP:

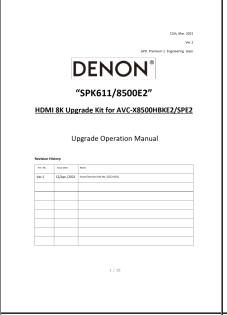
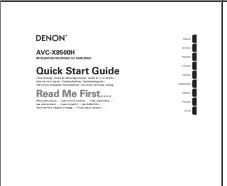
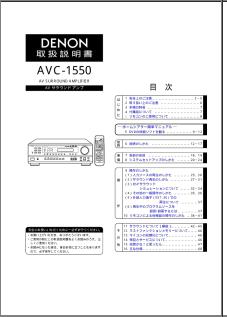
Feature	Specification
Product Model Number	AVC-3920SP
Brand	Denon
Manufacturer	D&M
Color	Premium Silver
Connectivity Technology	HDMI
Controller Type	App Control (Not Supported), Remote
Number of Channels	7.1ch
Maximum Output Power	180W x 7
Rated Output Power	120W x 7
DOLBY Surround	DOLBY DIGITAL EX
DTS Surround	DTS-ES
AAC Support	Supported
Digital Audio Input	Optical x2 / Coaxial x2
HDMI Input	2
HDMI Output	1
HDMI Link	Not Supported

Feature	Specification
Audio Output Type	HDMI

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Denon website. Keep your purchase receipt as proof of purchase.

### Related Documents - AVC-3920SP

	<p><a href="#">Denon SPK611/8500E2 HDMI 8K Upgrade Kit Operation Manual</a></p> <p>Official operation manual for the Denon SPK611/8500E2 HDMI 8K Upgrade Kit, providing detailed instructions for upgrading compatible Denon AV receivers like the AVC-X8500HBKE2/SPE2 to support 8K video and audio features.</p>
	<p><a href="#">DENON AVC-A1HD AV Surround Amplifier Owner's Manual</a></p> <p>This owner's manual provides comprehensive guidance for the DENON AVC-A1HD AV Surround Amplifier, covering setup, connections, operations, features, and troubleshooting for optimal audio-visual experiences.</p>
	<p><a href="#">Denon AVC-A1H Integrated Network AV Amplifier Quick Start Guide</a></p> <p>This quick start guide provides essential steps for setting up your Denon AVC-A1H Integrated Network AV Amplifier, including connections, initial setup, and accessing mobile apps.</p>
	<p><a href="#">Denon AVC-X8500H Quick Start Guide: Setup and Connection</a></p> <p>Get your Denon AVC-X8500H Integrated Network AV Amplifier up and running quickly with this step-by-step quick start guide. Learn about setup, connections, and mobile app integration.</p>
	<p><a href="#">DENON AVC-1550 AV Surround Amplifier User Manual</a></p> <p>User manual for the DENON AVC-1550 AV Surround Amplifier, detailing setup, operation, features, and safety precautions.</p>
	<p><a href="#">Denon AVP-A1HD / AVC-A1HD Owner's Manual - Additional Functions Edition</a></p> <p>Comprehensive guide detailing the additional and changed functions for the Denon AVP-A1HD AV Surround Pre-Amplifier and AVC-A1HD AV Surround Amplifier, including setup, playback, and advanced features.</p>

