

Supersonic AMP-AV972SA

Supersonic Professional Stereo Amplifier AV-972SA

User Instruction Manual

1. INTRODUCTION

Thank you for purchasing the Supersonic Professional Stereo Amplifier AV-972SA. This amplifier is designed to provide high-fidelity audio for your home entertainment or karaoke system. With its versatile features, including USB/SD card playback, FM radio, and microphone inputs, it offers a powerful and clear sound experience. Please read this manual carefully before operating the unit to ensure proper use and to maximize its performance.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Power Supply:** Ensure the power supply voltage matches the requirements specified on the unit (220V~250V/50Hz).
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Water and Moisture:** Do not expose this apparatus to rain or moisture. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Speaker Connection:** Ensure correct polarity when connecting speakers to prevent damage to the amplifier and speakers.

3. KEY FEATURES

- Luxury Color Pointer Screen Display
- High-Fidelity Stereo Dynamic Amplifier Design
- Bass-enhancement Technology
- Powerful 3000W Output
- Professional Karaoke FM Radio Tuner
- USB/SD Card Playback for MP3 files
- Low Leak Magnetic Ring type Voltage
- Optimized for use with 12", 15", and 18" loudspeakers



Image 3.1: A visual representation of the key features of the Supersonic AV-972SA amplifier, including its display, power output, and connectivity options.

4. PRODUCT OVERVIEW

The Supersonic AV-972SA amplifier features a user-friendly front panel for easy control and a rear panel for all necessary connections.

4.1 Front Panel



Image 4.1: Front view of the Supersonic AV-972SA amplifier, showcasing its controls, display, and input ports in a home setting.

The front panel includes:

- **Power Button:** Turns the amplifier on or off.
- **Master Volume Control:** Adjusts the overall output volume.
- **Bass/Treble Controls:** Adjusts low and high frequency response.
- **Input Selector:** Switches between different audio sources (e.g., USB, SD, FM, AUX).
- **USB/SD Card Slot:** For playing audio files directly from USB drives or SD cards.
- **FM Tuner Controls:** For radio station selection and tuning.
- **Microphone Inputs:** For connecting microphones for karaoke or public address.
- **Display Screen:** Shows current mode, track information, or FM frequency.

4.2 Rear Panel

The rear panel provides all necessary connections for speakers, power, and external audio sources.

- **Speaker Terminals:** Connect your loudspeakers here. Ensure correct polarity (+ to + and - to -).
- **Audio Input (RCA):** For connecting external audio devices like CD players, DVD players, or other audio sources.
- **Power Cord Input:** Connect the provided power cord here.
- **FM Antenna Input:** Connect the FM antenna for improved radio reception.

5. SETUP GUIDE

Follow these steps to set up your Supersonic AV-972SA amplifier:

1. **Placement:** Place the amplifier on a stable, flat surface with adequate ventilation around it. Avoid direct sunlight, heat sources, or areas with high humidity.
2. **Speaker Connection:** Connect your loudspeakers to the speaker terminals on the rear panel. Match the positive (+) terminal on the amplifier to the positive (+) terminal on your speaker, and the negative (-) to the negative (-). Ensure all connections are secure. This amplifier is designed to work best with 12", 15", or 18" loudspeakers.
3. **Audio Source Connection:**
 - **External Devices:** Connect your CD player, DVD player, or other audio sources to the RCA audio input jacks on the rear panel.
 - **USB/SD Card:** Insert a USB flash drive or SD card into the respective slot on the front panel.
4. **FM Antenna:** Connect the FM antenna to the designated input on the rear panel for optimal radio reception.
5. **Power Connection:** Ensure the amplifier's power switch is in the OFF position. Connect the power cord to the amplifier's power input and then plug it into a suitable 220V~250V/50Hz AC power outlet.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the **Power Button** on the front panel to turn the amplifier ON. The display will illuminate. Press it again to turn the amplifier OFF.

6.2 Selecting Audio Source

Use the **Input Selector** button or knob on the front panel to cycle through available audio sources: USB, SD, FM, or AUX (RCA input).

6.3 Volume and Tone Control

- **Master Volume:** Rotate the **Master Volume** knob to adjust the overall sound level. Start with a low volume and gradually increase it.
- **Bass/Treble:** Use the **Bass** and **Treble** knobs to fine-tune the low and high frequencies of the audio output to your preference.

6.4 USB/SD Card Playback

Once a USB drive or SD card containing MP3 audio files is inserted, the amplifier will automatically switch to USB/SD mode and begin playback. Use the control buttons (Play/Pause, Next, Previous) on the front panel to manage playback.

6.5 FM Radio Operation

Select the FM input using the **Input Selector**. Use the FM tuner controls to scan for and select radio stations. The display will show the current frequency.

6.6 Microphone Usage (Karaoke)

Connect your microphones to the microphone input jacks on the front panel. Adjust the microphone volume and echo effects (if available) using the dedicated controls. Ensure the main volume is set appropriately to avoid feedback.

7. MAINTENANCE

- **Cleaning:** Disconnect the power before cleaning. Use a soft, dry cloth to wipe the exterior of the amplifier. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** If storing the amplifier for an extended period, ensure it is in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Amplifier power switch off	Check power cord connection; Try a different outlet; Ensure power switch is ON
No sound output	Volume too low; Incorrect input selected; Speaker wires loose or incorrectly connected; Faulty audio source	Increase master volume; Select correct input; Check speaker connections and polarity; Test with a different audio source

Problem	Possible Cause	Solution
Poor FM reception	Antenna not connected or poorly positioned; Weak signal	Connect FM antenna securely; Adjust antenna position; Try manual tuning
USB/SD not playing	Incorrect file format; USB/SD card faulty or not inserted correctly; Amplifier not in USB/SD mode	Ensure files are MP3 format; Reinsert USB/SD card; Select USB/SD input mode

9. SPECIFICATIONS

Feature	Specification
Brand	Supersonic
Model Number	AMP-AV972SA
Output Wattage	3000W
Connectivity Technology	USB
Special Feature	Compact Design
Color	Black
Product Dimensions	25D x 45W x 26H centimetres
Item Weight	1 Kilogram
Control Method	Touch
Power Supply	220V~250V/50Hz

10. WARRANTY AND SUPPORT

This Supersonic AV-972SA amplifier comes with a **6 Months Manufacturer's Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

For warranty claims or technical support, please contact your retailer or the Supersonic customer service department. Please have your proof of purchase and product model number (AMP-AV972SA) ready when contacting support.

