

S.M.S.L SA50

S.M.S.L SA50 50Wx2 TDA7492 Class D Amplifier Instruction Manual

Model: SA50

1. PRODUCT OVERVIEW

The S.M.S.L SA50 is a compact and powerful Class D stereo amplifier designed to deliver clear and immersive acoustic quality sound. Its robust 2x50W stereo circuit features strong output short circuit protection and thermal overload protection, ensuring reliable performance. The amplifier's simple design and black finish make it a stable and unobtrusive addition to any home, office, or school setup.

Note: This amplifier is not designed to work with subwoofers.



Front view of the S.M.S.L SA50 Class D Amplifier, showcasing its compact size and minimalist design.

Applicable Occasions



Home



Meeting



Student Dormitory



Music Production

The S.M.S.L SA50 amplifier shown in different application scenarios, including home theater, meeting rooms, student dormitories, and music production setups.

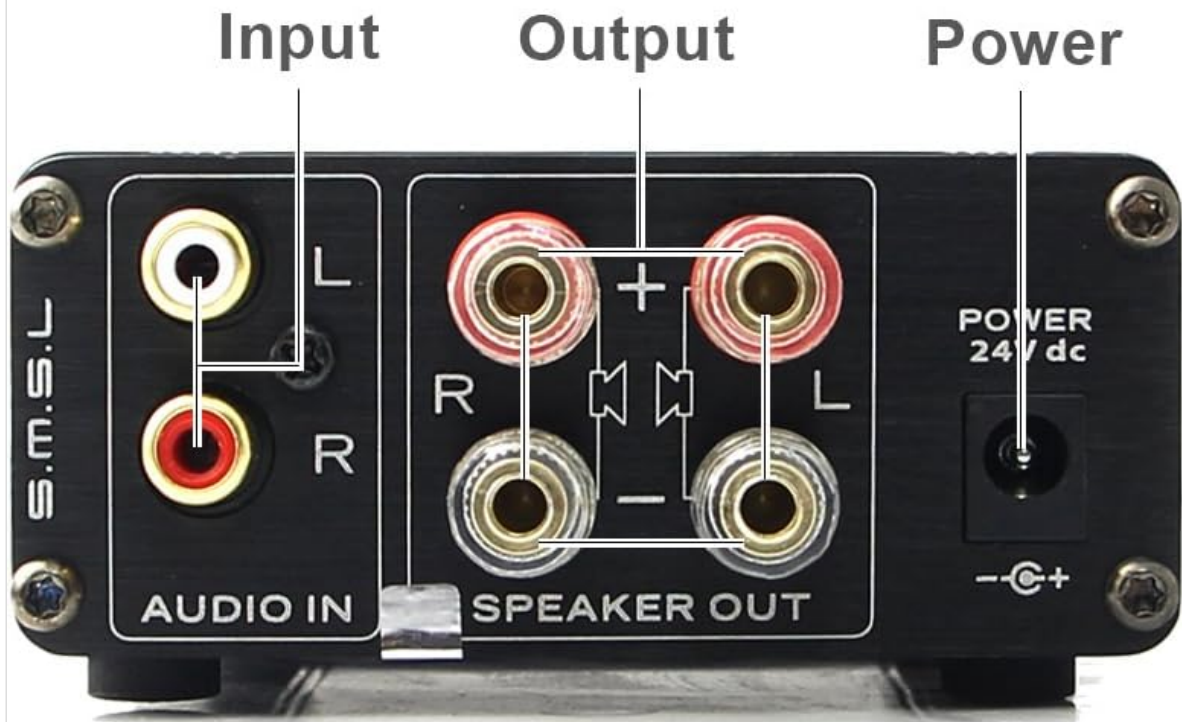
2. SETUP INSTRUCTIONS

2.1 Connecting the Amplifier

Follow these steps to connect your S.M.S.L SA50 amplifier to your audio source and speakers:

1. **Connect Audio Input:** Use an RCA cable to connect your audio source (e.g., laptop, DVD player, TV Box, HDTV) to the 'AUDIO IN' ports on the rear of the amplifier. Ensure left (L) and right (R) channels are correctly matched.
2. **Connect Speakers:** Connect your passive speakers to the 'SPEAKER OUT' terminals. Ensure correct polarity (+ to + and - to -) for both left (L) and right (R) channels. The terminals support banana plugs or bare wire connections.
3. **Connect Power:** Plug the provided 24V DC power adapter into the 'POWER 24V DC' input on the rear of the amplifier, then plug the adapter into a wall outlet.

SIMPLE TO USE



Detailed view of the rear panel of the S.M.S.L SA50, highlighting the 'AUDIO IN' (RCA), 'SPEAKER OUT' (binding posts), and 'POWER 24V DC' connections.

Compatibility



A diagram illustrating the compatibility of the S.M.S.L SA50 amplifier with common audio sources like laptops, DVD players, TV boxes, and HDTVs, connecting to a stereo speaker system.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

Press the 'POWER' button on the front panel to turn the amplifier on or off. A blue indicator light around the volume knob will illuminate when the unit is powered on.

3.2 Adjusting Volume

Rotate the large 'VOLUME' knob on the front panel clockwise to increase the output volume and counter-clockwise to decrease it. Adjust to a comfortable listening level.

Volume Knob

Adjust the Output Volume
Make the Sound Clear and Pure



Close-up view of the S.M.S.L SA50's front panel, detailing the power button and the volume knob with its illuminated blue ring.

4. SPECIFICATIONS

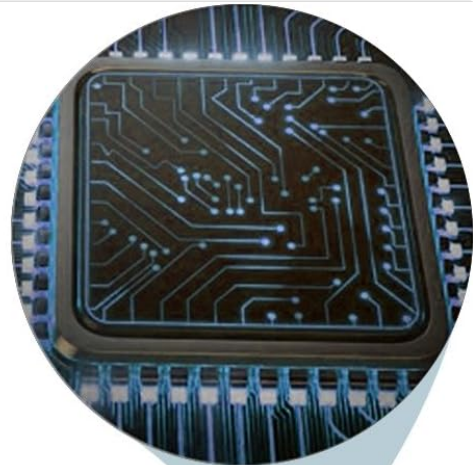
Feature	Detail
Model	SMSL SA50
Output Power	50 Watts per channel (2 channels)
Maximum Output Power	100W
Chipset	TDA7492 Class D
Number of Channels	2
Voltage	24 Volts (DC)
Supply Current	4.5 Amps
Material Type	Aluminum
Item Dimensions (L x W x H)	4.72 x 1.46 x 3.35 inches

Feature	Detail
Item Weight	1.1 Pounds



The S.M.S.L SA50 amplifier with its physical dimensions (length, width, height) clearly labeled.

TDA7492 Chip
 Reduce crosstalk,
 increase sound quality



A close-up image highlighting the TDA7492 chip, which is central to the amplifier's design for reducing crosstalk and increasing sound quality.

5. MAINTENANCE

To ensure the longevity and optimal performance of your S.M.S.L SA50 amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the amplifier. Avoid using liquid cleaners or abrasive materials, as they may damage the finish.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power Disconnection:** Always disconnect the power adapter from the wall outlet before cleaning or performing any maintenance.

6. TROUBLESHOOTING

If you encounter any issues with your S.M.S.L SA50 amplifier, please refer to the following common troubleshooting steps:

- **No Power:**
 - Check if the power adapter is securely connected to both the amplifier and the wall outlet.
 - Ensure the wall outlet is functioning correctly by testing it with another device.
 - Verify that the power button on the front panel is pressed to the 'On' position.
- **No Sound:**
 - Confirm that the audio input cables are securely connected to both the source and the amplifier's 'AUDIO IN' ports.
 - Check that the speaker wires are correctly connected to the 'SPEAKER OUT' terminals with proper polarity.
 - Ensure the volume knob on the amplifier is turned up to an audible level.
 - Verify that your audio source is playing and its volume is not muted or too low.
- **Distorted Sound:**
 - Reduce the volume on both the audio source and the amplifier to see if the distortion decreases.
 - Check for loose or damaged speaker wire connections.
 - Ensure your speakers are compatible with the amplifier's power output and impedance ratings.

If the issue persists after trying these steps, please contact customer support for further assistance.

7. WARRANTY AND SUPPORT

The S.M.S.L SA50 amplifier comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact S.M.S.L customer service through their official website or the retailer where the product was purchased. Keep your purchase receipt and product serial number handy when contacting support.