

Saras SAS-1610736

AV-699BT 400W 2CH Bluetooth Home HiFi Stereo Power Amplifier User Manual

Model: SAS-1610736 | Brand: Saras

INTRODUCTION

The AV-699BT is a compact and versatile Mini HiFi Digital Bluetooth Audio Power Amplifier designed to deliver clear, strong, and powerful sound. It features a built-in LCD display with backlight, supports various audio sources including memory cards, USB disks, and MP3 format playback, and offers Bluetooth wireless connectivity. Additionally, it includes an FM stereo radio function and allows for easy adjustment of treble, bass, and master volume. With both DC and AC power input options, this amplifier is suitable for a wide range of applications, from home audio setups to car installations.



Image: The AV-699BT Stereo Power Amplifier shown with its included remote control, highlighting its compact design and various input options.

SAFETY INFORMATION

- **Risk of Electric Shock:** Do not open the amplifier casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- **Power Source:** Ensure the power supply matches the voltage requirements specified on the unit (DC 12V / AC 220V).
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Keep liquids away from the amplifier.
- **Placement:** Place the unit on a stable, flat surface. Avoid placing it near heat sources or in direct sunlight.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosol sprays.

PACKAGE CONTENTS

Please check that all items listed below are included in your package:

- 1 x AV-699BT Audio Stereo Power Amplifier
- 1 x Remote Control
- 1 x AC Power Cable (220V)
- 1 x Audio Input Cable (RCA to 3.5mm jack)



Image: The AV-699BT amplifier displayed with its remote control, audio cable, and a small instruction diagram, illustrating the complete package contents.

PRODUCT OVERVIEW

Front Panel



Image: A detailed view of the amplifier's front panel, showing the power switch, bass and treble controls, master volume knob, and media playback buttons with USB/SD card slots.

1. **POWER Switch:** Toggles the amplifier on or off.
2. **BASS Control:** Adjusts the low-frequency audio output.
3. **TREBLE Control:** Adjusts the high-frequency audio output.
4. **VOLUME Control:** Master volume knob to adjust the overall sound level.
5. **MODE Button:** Switches between input modes (FM, Bluetooth, USB/SD).
6. **PREV / CH- Button:** Short press for previous track/station; long press for channel down in FM mode.
7. **NEXT / CH+ Button:** Short press for next track/station; long press for channel up in FM mode.
8. **PLAY / AUTO Button:** Plays/pauses media; long press for auto-scan in FM mode.
9. **USB/SD Input:** Slots for USB flash drives and SD memory cards for media playback.
10. **LCD Display:** Shows current mode, track information, or FM frequency.

Rear Panel



Image: The rear panel of the AV-699BT amplifier, displaying the audio input (RCA), speaker terminals, DC 12V input, and AC 220V power input, along with safety warnings.

1. **AUDIO INPUT (RCA L/R):** Connect external audio sources such as CD players, DVD players, or other devices using RCA cables.
2. **SPEAKER SYSTEM (4Ω-16Ω):** Terminals for connecting passive speakers. Ensure correct polarity (+ to + and - to -).
3. **DC INPUT (12V/5A):** Power input for DC 12V power supply, typically used in car environments.
4. **AC INPUT (~220V/50Hz):** Power input for AC 220V mains power, for home use.



Image: A close-up view of the rear panel's power input section, showing the DC 12V and AC 220V power connections and associated safety labels.

SETUP

Follow these steps to set up your AV-699BT amplifier:

1. **Connect Speakers:** Connect your passive speakers to the SPEAKER SYSTEM terminals on the rear panel. Ensure the positive (+) terminal of the amplifier connects to the positive terminal of the speaker, and the negative (-) to the negative. The amplifier supports speakers with an impedance of 4-16Ω.
2. **Connect Audio Source (Optional):** If using an external wired audio source (e.g., CD player), connect it to the AUDIO INPUT (RCA L/R) jacks on the rear panel using an RCA cable.
3. **Connect Power:**
 - For home use, connect the provided AC power cable to the AC INPUT (~220V/50Hz) and then to a wall outlet.
 - For car use, connect a DC 12V/5A power supply (not included) to the DC INPUT (12V/5A) jack.

Caution: Do not connect both AC and DC power simultaneously.

4. **Power On:** Flip the POWER switch on the front panel to the "ON" position. The LCD display will light

up.



Image: A standard audio cable with a 3.5mm jack on one end and red and white RCA connectors on the other, used for connecting audio sources to the amplifier.

OPERATING INSTRUCTIONS

Basic Operation

1. **Power On/Off:** Use the POWER switch on the front panel to turn the unit on or off.
2. **Select Input Mode:** Press the **MODE** button on the front panel or remote control to cycle through available input sources: FM Radio, Bluetooth, USB, SD Card, and Line In (if an external source is connected to RCA input). The selected mode will be shown on the LCD display.
3. **Adjust Volume:** Rotate the large **VOLUME** knob on the front panel clockwise to increase volume and counter-clockwise to decrease. You can also use the volume buttons on the remote control.
4. **Adjust Tone:** Use the **BASS** and **TREBLE** knobs on the front panel to fine-tune the low and high frequencies of the audio output to your preference.

Remote Control

The included remote control provides convenient access to all amplifier functions:



Image: The compact remote control for the AV-699BT amplifier, featuring power, mode, track navigation, volume, and EQ buttons.

- **Power Button:** Turns the amplifier on/off.

- **Mode Button:** Switches input sources.
- **CH- / CH+:** Previous/Next track or FM station.
- **EQ:** Cycles through equalizer presets (if available).
- **Play/Pause:** Plays or pauses media playback.
- **Number Buttons (0-9):** Direct track selection or FM frequency input.
- **Volume Up/Down:** Adjusts the master volume.

Bluetooth Connection

1. Turn on the amplifier and press the **MODE** button until "Bluetooth" mode is selected on the LCD display.
2. Enable Bluetooth on your smartphone, tablet, or other Bluetooth-enabled device.
3. Search for available Bluetooth devices. The amplifier will appear as "AV-699BT" or a similar name.
4. Select "AV-699BT" to pair. Once paired, you will hear a confirmation tone, and the display may indicate a successful connection.
5. You can now play audio from your device through the amplifier.

USB/SD Card Playback

1. Insert a USB flash drive or SD memory card (containing MP3 audio files) into the corresponding slot on the front panel.
2. Press the **MODE** button to select "USB" or "SD" mode. The amplifier will automatically detect and begin playing the audio files.
3. Use the **PREV**, **NEXT**, and **PLAY/AUTO** buttons on the front panel or remote control to navigate tracks and control playback.

FM Radio

1. Press the **MODE** button to select "FM" mode.
2. To auto-scan and save available stations, long-press the **PLAY/AUTO** button. The amplifier will scan and store stations automatically.
3. Use the **PREV / CH-** and **NEXT / CH+** buttons to navigate through the saved FM stations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; No power from outlet/source.	Ensure power cable is securely connected. Flip POWER switch to ON. Check power source.
No sound output	Volume too low; Incorrect input mode; Speakers not connected or faulty; Audio source issue.	Increase VOLUME. Press MODE to select correct input. Check speaker connections and polarity. Verify audio source is playing.
Bluetooth not pairing	Amplifier not in Bluetooth mode; Device Bluetooth off; Device too far; Already paired to another device.	Switch amplifier to Bluetooth mode. Enable Bluetooth on your device. Move device closer. Disconnect from other devices.

Problem	Possible Cause	Solution
USB/SD card not playing	Incorrect mode; Unsupported file format; Card/drive faulty or empty.	Select USB/SD mode. Ensure files are MP3 format. Try a different USB/SD card.
Poor FM reception	Weak signal; No antenna connected (if applicable); Interference.	Relocate the amplifier. Perform auto-scan again. Minimize interference from other electronics.

SPECIFICATIONS

Feature	Detail
Amplifier Type	HIFI Power Amplifier
Peak Power	200W + 200W
RMS Power	30W
Frequency Response	20-20KHz
Signal to Noise Ratio	≥80dB
Speaker Impedance	4-16Ω
Input Power	DC 12V / AC 220V
Color	Black
Radio Storage	FM
Dimensions (L x W x H)	16 x 11.5 x 5.5 CM
Connectivity Technology	Bluetooth, USB
Channel Count	2
Control Method	Remote
Model Number	SAS-1610736

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your amplifier:

- **Cleaning:** Always disconnect the power before cleaning. Use a soft, dry, lint-free cloth to wipe the exterior surfaces. Do not use abrasive cleaners, waxes, or solvents as they may damage the finish.
- **Ventilation:** Regularly check that the ventilation slots are free from dust and debris to prevent overheating.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.

- **Cable Connections:** Periodically check all cable connections for tightness and ensure they are free from corrosion or damage.

SUPPORT AND WARRANTY

For technical support, warranty information, or service inquiries, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific contact details and warranty terms applicable to your region.