soundavo

CSA-60
CSA-150

2 CHANNEL
CLASS D AMPLIFIERS

ON
OFF

POWER

ON/STANDBY

soundavo

VOLUME

CSA-60   COMMERCIAL STEREO AMPLIFIER

OWNERS MANUAL
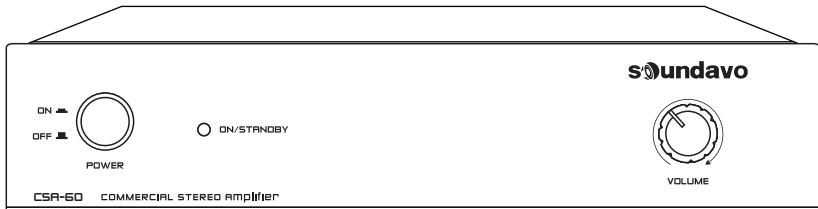
DEAR CUSTOMER

Thank you for purchased **Soundavo** product. Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

WARNING

1. Do not place or install this device in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.

2. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.

3. Do not install near any source of heat, including other units that may produce heat.

4. Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight

5. Do not touch the device, the power cord, or any other connected cables with wet hands.

6. This device ventilates excessive heat through the slots and openings in the case. Do not block or cover these openings. Ensure that the device is in an open area where it can get sufficient airflow to keep from overheating.

7. Only clean unit with a dry cloth.

8. Unplug unit during lightning storms or when not used for an extended period of time.

9. Protect the power cord from being walked on or pinched, particularly at the plugs.

10. Use unit only with accessories specified by the manufacturer.

11. Refer all servicing to qualified personnel.

CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

FEATURES

The CSA amplifier series from Soundavo are an ideal solution for residential and commercial audio installations that require a simple setup and great sound output. With a small footprint, but high output, these Class D amplifiers can sit on a desktop, or can easily be mounted on a wall or within a rack using the included mounting brackets. The amps can be used in a stereo system, but can also be switched for use in bridged or mono applications. The inputs consist of two stereo audio inputs, two RCA inputs, and a single 3.5mm input for versatility. Also includes an auto-ON feature so the units do not need to be powered manually, just hit play and the amps will power on automatically! With a broad range of power output to pick from, the Soundavo CSA amplifier series are a great solution for any desired application.

2 CHANNEL, CLASS D AMPLIFIERS

• Class D Digital Amplifier
• RCA and 1/8" Stereo Inputs
• Mixes audio when both inputs are connected and live
• Stereo and Mono/Bridge Modes
• Automatically goes into standby after 5 minutes of inactivity
• Source Sensing to come out of standby when a connected source begins to play

PACKAGE CONTENTS

• Bridgeable Amplifier
• Power lead cable
• Mounting bracket and screws
• Product Manual
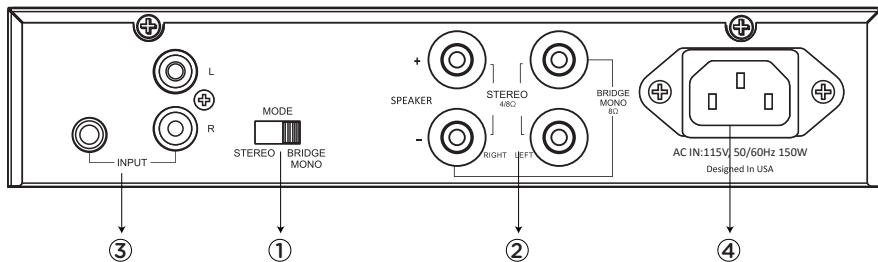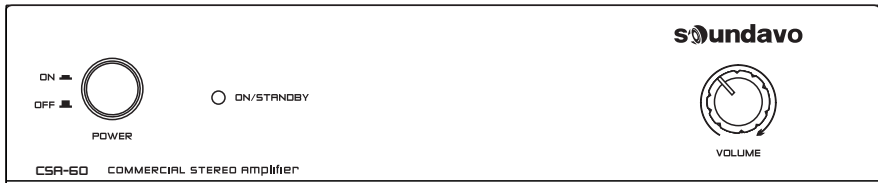
1. MODE selection between Stereo, Mono, or Bridge

2. Connection to speakers using the included terminals connector

   • For stereo operation, connect the Left and Right speaker wires to the corresponding terminals

   • For bridge-mono operation, connect the positive speaker wire to the L+ and the negative speaker wire to the R- terminals

3. Connect a source device to the INPUT terminals - 3.5 or RCA*

   • 3.5mm connection

   • RCA connection

4. Connect the included power supply

*NOTE: When both source inputs are connected, the 3.5mm input and RCA inputs mix

CONNECT AND OPERATE
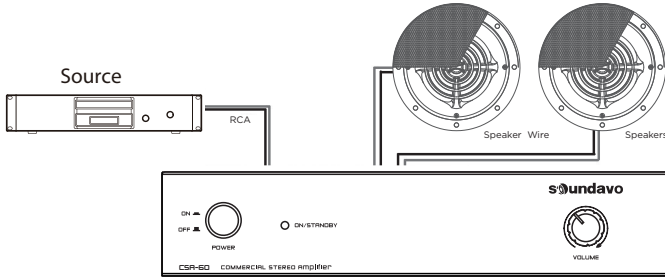
1. Connect an audio source to either the 3.5mm or the dual-RCA inputs

2. Connect the speaker wires to the provided terminals connector, ensuring the negative port on the amp is going to the negative terminal on the speaker(s), and the positive port on the amp is going to the positive terminal on the speaker(s).

3. Use the MODE switch to select the correct configuration

   a. For Stereo mode, all ports on the terminals connector will be used

   b. For Bridge/Mono modes, only two ports of the terminals connect will be used
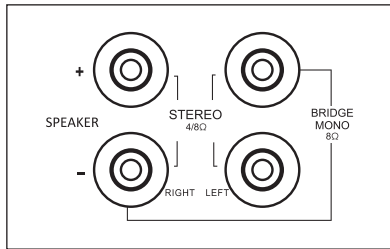
4. Connect the amp to an electrical outlet using the provided power lead

5. Press the POWER button to turn on the amplifier. A green LED will display indicating the amplifier is ready to use, a red LED will display indicating the amplifier is in the "Auto-On" state to conserve power

6. Turn on the source device and set the source output level.

7. Adjust the VOLUME using the rotary volume control; turning clock-wise will increase the volume level

Please note that after 5 minutes of inactivity, the amp will go into the "Auto On" state

MOUNTING

The CSA series amplifiers can be mounted to a desk, shelf or wall using the provided brackets

• Use the 1/4" long machine screws to mount the brackets to the case

• Use the 9/16" long wood screws to attached the amplifier and brackets to a wood desk or shelf

• If mounting to a desktop, first remove the feet from the bottom of the amplifier

SPECIFICATIONS

Model Number:	CSA-60	CSA-150
Power Output (RMS @ 8 Ω)	60W x 2	150Wx2
Power Output (RMS @ 4 Ω)	90W x 2	225Wx2
Bridge Output (RMS @ 8 Ω)	180W	450W
Total Harmonic Distortion (THD):	<1%(Rated power: 60W @ 8Ω)	<1%(Rated power: 150W @ 8Ω)
Signal to Noise:	>90 dB A WTD	>90 dB A WTD
Frequency Response:	20Hz-20KHz +0/- 2dB@ 8Ω	20Hz-20KHz +0/- 2dB@ 8Ω
Line Level Input Sensitivity:	700mV	700mV
Thermal Protection:	Yes	Yes
Short Protection:	Yes	Yes
Dimension:	214mm x 250mm x 44mm (WxDxH)	214mm x 250mm x 44mm (WxDxH)
Weight:	1.32KG	1.65KG

SAFETY AND NOTICE

The CSA series amplifers has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the CSA series amplifiers should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning