

AV Series

RS232-Enabled Amplifier

The sub compact AV25-2 RS232 is built to meet the rigorous demands of high quality commercial, industrial and Pro Audio sound installations. Low cost, lightweight and convection cooling make this Class D amplifier flexible enough for a broad range of applications requiring quiet amplification. With an extremely compact form factor, the AV25-2 RS232 allows amplification to be located in places off limits to normal amplifiers without compromising sound or power. The addition of RS232 control allows the amplifier's volume to be adjusted remotely using a PC or touchscreen interface. Like all Stewart products, the AV25-2 RS232 is designed for sonic accuracy, high efficiency and extended duty cycles.



AV25-2 RS232

35W x 2 @ 4 Ohms

25W x 2 @ 8 Ohms

Features:

- Sub Compact 1/4 rack package
- Two channel amplifier optimized to drive 4 Ohm and 8 Ohm loads
- RS232 control over volume and muting
- Set discrete values
- Multiple mounting options
- External inline power supply
- Made in the USA

Applications:

- Boardrooms & classrooms
- Hospitality
- Lecterns & podiums
- Pole mounting option
- Fixed installations with mixer amplifiers located in listening environment
- Applications where traditional amplifiers won't fit
- Behind flat screen televisions

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AV25-2 RS232

35W x 2 @ 4 Ohms

25W x 2 @ 8 Ohms

Specifications

4 Ohm Stereo Power -----■	35 W
8 Ohm Stereo Power -----■	25 W
Frequency Response (+0, -3 dB, 1W) -----■	30 Hz—20 kHz
Power Bandwidth (+3, -3 dB) -----■	30 Hz—30 kHz
THD+N -----■	<.1% @ Full Power
Signal to noise ratio -----■	>100dB
Slew Rate -----■	30V/microsecond
Input Sensitivity -----■	.5V (-3 dBV)
Standard Voltage Gain -----■	28X (26.5dB)
Input impedance (Balanced/Unbalanced) -----■	20k Ohms
Idle Current Draw , 1/8 power draw -----■	0.01/0.15 Amps
Class -----■	D
Input Connectors -----■	3.5mm Euroblock
Output Connectors -----■	5mm Euroblock
Power Supply -----■	External in-line 48VDC (Included)
Cooling -----■	Convection—Cooling (No Fans)
Controls -----■	2 Independent Level Controls, RS232 volume control
LED Indicators -----■	Power, Signal Present & Clip
Construction -----■	Aluminum Chassis
Dimensions (height, width, depth) -----■	1.25"H x 4.35" W x 3.2" D (3.2H x 11.1W x 8.1D cm)
Weight -----■	<.37 lbs (0.16 kg)
Warranty -----■	3 years
Plenum Rating -----■	UL 2043 Pending

Architects & Engineering Specifications

The power amplifiers shall consist of 2 channels. Model AV25-2 RS232 shall deliver a minimum of 25W at 8 Ohms and 35W at 4 Ohms, both channels driven, 30 Hz—30 kHz, < .1% THD. The amplifier shall be convection cooled, requiring no fan. Amplifiers using fan cooling will not be accepted. The amplifier shall have circuitry to protect itself and the speaker loads from output short circuits, DC voltage on the outputs and thermal overload. The amplifier shall have a voltage gain of 28X (26.5dB) and an input sensitivity of 0.5V for rated power at 8 Ohm output. The amplifier shall have an external in-line Power Supply. Internal Power Supplies will not be accepted. The frequency response shall be greater than 30Hz to

20 kHz +0, - 3dB at rated power. The rear panel shall contain LED clip indicators for each channel, signal present and power. The rear panel shall have Phoenix block connectors for power, input, speaker output, RS232 control, and recessed level knobs. The AV25-2 RS232 shall weigh .37 lbs (.16 kg) and shall be 4.35" (11.1 cm) wide, 1.25" (3.2 cm) high, and 3.2" (8.1 cm) deep. The amplifier shall be designated the Stewart Audio Model AV25-2 RS232.