

# AV Series Power Amplifier

The sub compact AV25 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 allows amplification to be located in places off limits to normal amplifiers without compromising sound or power. Like all Stewart products, the AV25 is designed for sonic accuracy, high efficiency and extended duty cycles. Our Signal Sense Power Technology™ (SSPT™) ensures the amplifier is only powered when there is a signal present, saving energy and extending product life.



**STEWART AUDIO**  
The Difference is Hear

## AV25

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
- Music and fire alarm muting
- Clean full-range dynamic power
- Signal Detect trigger for sleep & wake up
- Multiple mounting options
- External inline power supply
- Made in the USA

### Applications:

- Boardrooms & classrooms
- AV projection systems
- Lecterns and Podiums
- Plenum applications, UL 2043 rated
- Pole mounting option
- Fixed installations with amplifiers located in listening environment
- Applications where traditional amplifiers won't fit
- Behind flat screen televisions



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## 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
External Mute -----	■ Contact closure
Slew Rate -----	■ 30V/microsecond
Input Sensitivity -----	■ .5V (-3 dBV)
Standard Voltage Gain -----	■ 28X (26.5dB)
Input impedance (Balanced/Unbalanced) -----	■ 20k Ohms/10k Ohms
Standby, Idle Current Draw , 1/8 power draw -----	■ 0.005/ 0.01/0.15 Amps
Class -----	■ D
Input Connectors -----	■ Euro Block
Output Connectors -----	■ Euro Block
Power Supply -----	■ External in-line 48VDC (Included)
Cooling -----	■ Convection—Cooling (No Fans)
Controls -----	■ Level
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 Approved

### Architects & Engineering Specifications

The power amplifier shall consist of 2 channels. Model AV25 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 contain SSPT™ Technology ensuring the device is only powered when a signal is detected. 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 a Phoenix block connectors for power, input, output and mute/fire alarm, recessed level. The AV25 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.



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