



## 4-Channel 125W 8 $\Omega$ , 2 Channel 70V 250W DSP Matrix Amplifier

AMP-4-125

SKU: 189078    UPC: 810064991448

The AMP-4-125 power amplifier delivers configurable and reliable high-performance audio power amplification for commercial and hospitality applications requiring a mix of low-impedance and high-impedance outputs. Featuring a compact 1U half-rack design, this DSP-enabled Class-D amplifier supports low-impedance 4 $\Omega$  to 16 $\Omega$  loudspeakers and high-impedance 70V/100V transformer-coupled loudspeakers. The AMP-4-125 accepts four analog inputs and one stereo S/PDIF digital input, delivering four low impedance mono channels (or two low impedance stereo zones) at 125W per channel, or two 70V/100V mono channels at 250W per channel.

For setup, the RTI web GUI offers effortless browser-based configuration of the installed system. DSP configuration options include multi-zone setup, input mixing, priority and ducking, restrictions, input and output EQ, S/PDIF output routing, high-pass filtering, speaker presets, delay, Wall-S1 controller configuration, sine wave generation, and more.

### Features

- Four analog audio source input channels (balanced or unbalanced) and one digital input (S/PDIF).
- Two Lo-Z stereo or four Lo-Z mono output zones, two Hi-Z mono output zones, or a mix of them.
- A Class D amplifier provides a robust and clear audio experience with 125 Watts @ 4 $\Omega$ /8 $\Omega$  per channel or 250 Watts @ 70V/100V per channel.
- Daisy-chain multiple amplifiers to expand the number of zones by distributing up to two audio inputs or zones.
- Built-in DSP allows fine-tuning of acoustic characteristics for each zone.
- Easy configuration via LAN or Wi-Fi.
- Offers IP and GPIO control options.
- Free-standing installation or rack-mount (rack-mount kit included).

Analog Sources	4 RCA (Unbalanced Stereo) 4 Phoenix Connector (Balanced Stereo)
Digital Sources	1 Coax
Amplified Zones	2 (4 Channels)
Audio Zone Expansion	Daisy-chain multiple AD-4-125 units via Digital In/Out
Amplifier	Class D
Output Power @ 4 $\Omega$ /8 $\Omega$	4 x 125W
Output Power @ 70V/100V	2 x 250W
Output Voltage	45 Vrms (S.E), 70/100V (Hi-Z)
Power Share	Up to 2 x 250W (across each channel pair)
Signal to Noise Ratio	> 106 dB (A-weighted, 20 Hz – 20 kHz, 8 $\Omega$ load)
THD-N (Typical)	< 0.05% (20 Hz – 20 kHz, 8 $\Omega$ load, 3 dB below rated power)
Frequency Response	20 Hz – 20 kHz (+/- 0.5 dB, 8 $\Omega$ load, 3 dB below rated power)
Protection Circuits	Short circuit, DC, Undervoltage, Temperature, and Overload protection
RTI or 3rd Party Control	IP (RJ45), GPIO (Phoenix Connector)
Power Supply	UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter

AC Input Voltage	100-240V~, 50/60Hz, 150W
Power Rating	1% THD @ 120VAC and 230VAC
Standby Consumption	< 0.5W
Mounting	Rack mount or free-standing
Dimensions (W x D x H)	12.6" x 8.66" x 1.75" 320 mm x 220 mm x 44.5 mm
Rack Units	1U
Weight	6.2 lb (2.8 kg)
Operating Temperature	+32°F to +104°F (0°C to +40°C)
Warranty	Three Years (Parts & Labor)
Prop 65 Declaration	This product contains Butadiene which is listed on California's Safe Drinking Water & Toxic Enforcement Act of 1986. This Act, commonly known as Proposition 65 (Prop 65), establishes a list of chemicals which the state of California's risk assessment process has determined to present a risk of cancer, birth defects or other reproductive harm. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>