

AMP-4-125 - 4 Channel 125W, 2 Channel 70V/100V 250W DSP Matrix Amplifier

The AMP-4-125 power amplifier delivers configurable and reliable high performance audio power amplification for commercial and hospitality applications that demand a mix of low impedance and high impedance outputs. With a compact 1U half-rack design, this DSP-enabled Class-D amplifier can drive low impedance 4Ω to 16Ω loudspeakers as well as high impedance 70V/100V transformer-coupled loudspeakers. The AMP-4-125 can accept four analog inputs and one stereo S/PDIF digital input, and delivers either two low impedance stereo outputs, or two 70V/100V mono outputs.

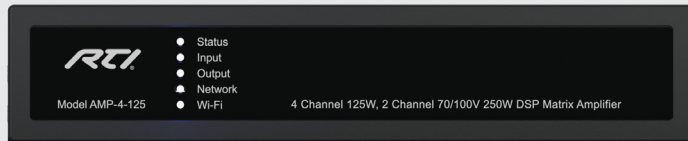
For set-up, the RTI web GUI enables effortless browser-based configuration of the installed system. Its DSP configuration options include multizone setup, input mixing, priority and ducking, restriction, input and output EQ, S/PDIF output routing, high-pass filter, speaker presets, delay, Wall-S1 controller configuration, sine wave generator, and more.

Key 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 each.
- Class D amplifier provides a robust and clear audio experience with 125 Watts per channel @ 4Ω/ 8Ω or 250W per channel @ 70Volts or 100Volts.
- Daisy-chain multiple amplifiers and expand the number of zones by distributing up to two audio inputs or zones.
- Built-in DSP allows for fine-tuning acoustic characteristics for each zone.
- Easy configuration via LAN or WiFi.
- IP and GPIO control options.
- Free-standing installation or rack-mount (rack-mount kit included).

Included in the Box

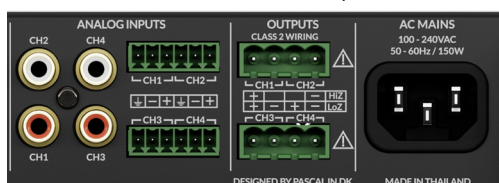
AMP-4-125, power cord, 6-pin Phoenix input connectors (2), 4-pin Phoenix output connectors (2), 8-pin Phoenix GPIO socket connector (1), adhesive rubber feet (4)



Ethernet Port, GPIO Control, and Digital Audio Input/Output



Balanced / Unbalanced Audio Inputs and Zone Outputs













Specifications

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 @ 4Ω / 8Ω	4 x 125W
Output Power @ 70V / 100V	2 x 250W
Output Voltage	45 Vrms (S.E), 70V/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, 8Ω load)
THD-N (typical).....	< 0.05% (20 Hz – 20 kHz,
.....	8Ω load, 3 dB below rated power)
Frequency Response	20 Hz – 20 kHz (+/- 0.5 dB,
.....	8Ω 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.....	Free-standing, Rack-Mount Kit sold separately
Dimensions (W x D x H).....	12.6" x 8.66" x 1.75"
.....	320 mm x 220 mm x 44.5mm
Rack Units	1U
Weight	6.2 lb (2.8kg)
Operating Temperature.....	+32°F to +104°F (0°C to +40°C)
Warranty	Three Years (Parts & Labor)

All Specifications subject to change without notice.

Features

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2 Sources / 4 Channels
 Two analog audio source inputs (balanced or unbalanced), 1 digital input.
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2 Zones
 Choose between standard stereo zones or a 70V/100V sound system.
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Full Matrix
 Distribute two audio source inputs to two zones, expandable to more zones by daisy-chaining multiple AMP-4-125 units.
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Powerful Stereo Output
 125W power output per channel for stereo zones.
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Powerful 70V/100V Output
 250W per channel for 70/100V zones.
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Built-In DSP
 Configure and optimize DSP and matrix settings with the intuitive web user interface.
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Ultra-Efficient
 Cool Power® Class D amplifier technology ensures efficient heat dissipation and low power consumption.
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Audio Source Versatility
 Use either analog or digital audio sources or a combination of both.
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Control
 Control the unit with an RTI or 3rd party control system via IP, or use the GPIO control for controller for volume, standby, mute, or trigger functions.
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Mounting Options
 Free-standing installation with included rack ears and adhesive rubber feet. Rack-Mount Kit sold separately.