

AMP-8-125 - 8 Channel 125W, 4 Channel 70V/100V 250W DSP Matrix Amplifier

The AMP-8-125 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 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-8-125 can accept eight balanced or unbalanced analog inputs and one stereo S/PDIF digital input and delivers four low impedance stereo outputs at 125W per channel, or four 70V/100V mono outputs at 250W per channel.

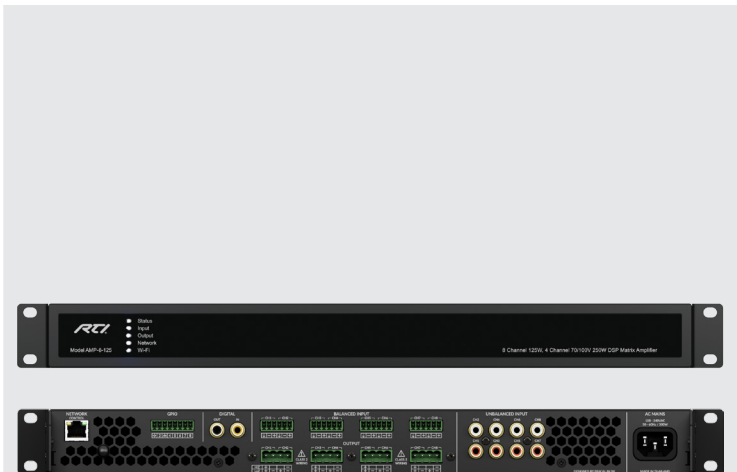
For set-up, the RTI web GUI enables effortless browser-based configuration of the installed system. Its DSP configuration options include multizone setup, input mixing, priority and ducking, restriction, input and output EQ, S/PDIF output routing, high-pass filter, speaker presets, delay, Wall-S1 controller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

Key Features

- Eight analog audio source input channels (balanced or unbalanced) and one digital input (S/PDIF).
- Four Lo-Z stereo or eight Lo-Z mono output zones, four 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 @ 70V/100V .
- Daisy-chain multiple amplifiers and expand the number of zones by 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

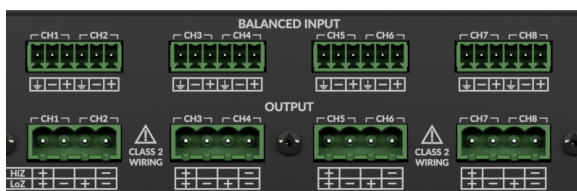
AMP-8-125, power cord, 6-pin Phoenix input connectors (4), 4-pin Phoenix output connectors (4), 8-pin Phoenix GPIO socket connector (1), rack-mount kit (1), adhesive rubber feet (4)



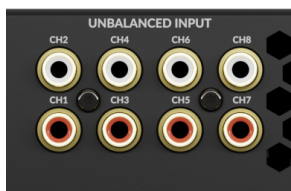
Ethernet Port, GPIO Control, and Digital Audio Input/Output



Balanced Audio Inputs and Zone Outputs



Unbalanced Audio Inputs



Specifications

Analog Sources.....	8 RCA (Unbalanced Stereo)
.....	8 Phoenix Connector (Balanced Stereo)
Digital Sources.....	1 Coax
Amplified Zones	4 (8 Channels)
Audio Zone Expansion	Daisy-chain multiple
.....	AD-8-125 units via Digital In/Out
Amplifier.....	Class D
Output Power @ 4Ω/ 8Ω.....	8 x 125W
Output Power @ 70V/100V.....	4 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, 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, 300W
Power Rating	1% THD @ 120VAC and 230VAC
Standby Consumption.....	< 0.5W
Mounting.....	Rack mount or free-standing
Dimensions (W x D x H).....	17.35" x 12.6" x 1.75"
.....	440 mm x 320 mm x 44.5mm
Rack Units	1U
Weight	8.4 lb (3.8kg)
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



4 Sources / 8 Channels

Four analog audio source inputs (balanced or unbalanced), 1 digital input.



4 Zones

Choose between standard stereo zones or a 70V/100V sound system.



Full Matrix

Distribute four audio source inputs to four zones, expandable to more zones by daisy-chaining multiple AMP-8-125 units.



Powerful Stereo Output

125W power output per channel for stereo zones.



Powerful 70V/100V Output

250W per channel for 70/100V zones.



Built-In DSP

Configure and optimize DSP and matrix settings with the intuitive web user interface.



Ultra-Efficient

Cool Power® Class D amplifier technology ensures efficient heat dissipation and low power consumption.



Audio Source Versatility

Use either analog or digital audio sources or a combination of both.



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.



Mounting Options

Rack mount or free-standing installation with included rack ears and adhesive rubber feet.