

ProAmp8

Multi-zone Amplifier



OVERVIEW

Pulse-Eight's ProAmp8 is a powerful and versatile 8-Zone Power Amplifier that delivers excellent audio performance with robust and reliable Class D amplification in a compact form factor. The ProAmp8 is the all-in-one ideal solution for both surround sound and distributed audio systems.

The ProAmp8 offers a wide range of feature sets such as: full audio DSP and EQ settings; Multi-Zone Mode; and, Dolby Digital 5.1 Surround Sound Mode. This level of versatility allows for a 5.1 "home theatre" alongside a multi-room whole-house distributed audio system all in one box.

The amplifier is the perfect partner to Pulse-Eight's ProAudio DSP pre-amp range and latest neo matrices.

KEY FEATURES

- 8-Zone Power Amplifier, driven by ICEpower modules, delivering up to 100 watts per channel.
- 8 Stereo (L/R) analog inputs and 1 digital (coax/optical) input with Dolby support.
- Bridgeable outputs zones to create flexible power configurations.
- Full Dolby Zone DSP and Equalizer (EQ) control.
- Fault detection and system reset protects the amplifier and connected speakers from damage.
- Low-energy consumption when the amplifier is in standby and not in use.
- "Automatic sensing" and 12V Trigger options for efficient energy saving with a fast wake-up.
- Includes user-friendly WebUI control access.
- Easy integration with third-party control systems.
- 1x Dolby 5.1 SPDIF Input mappable to 6 surround sound channels or stereo-downmixing
- 2x RCA Line Level Outputs for stereo subwoofer or 2x mono subwoofers
- Built In Britain

KIT INCLUDES:

- 1x ProAmp8, 8-Zone Power Amplifier
- 1x IEC Power Cable (Region Specific)
- 8x Phoenix Speaker Connectors
- 1x Micro-Phoenix RS232 Connector
- 1x Rack Mounting Kit
- 1x Quick Setup Guide



Dimensions (HxWxD)	8.9 x 43 x 30mm (2U)
Audio Inputs	16x Analog Inputs (8x Stereo L/R Channels) + 1x Digital S/PDIF (Coax/Optical) with Dolby 5.1 Support
Audio Outputs	8x Stereo Phoenix Connectors (configurable)
Active Subwoofer	1x Line-Level Active Output (RCA Style)
12V Trigger	1x 3.5mm (Input)
Control	TCP/IP (RJ45) or RS232 (Phoenix Connector)
Power Modes per Zone	Always On / Standby / 12V Trigger / Auto-Sense (Stereo multi-zone mode only)
Trigger Voltage	+4.5V to +12V
Trigger Wake-Up Time (from Standby)	< 1 second
Audio-sense Wake-Up Time (from Standby)	< 1 second
Rated Power @4Ω load	100 watts per channel @1% THD+N / 80 watts per channel @0.1% THD+N
Rated Power @8Ω load	50 watts per channel @1% THD+N
Rated Bridged Power @8Ω load	200 watts @1% THD+N / 160 watts @0.1% THD+N
Frequency Response	10Hz-20kHz +/- 0.4dB (4Ω, 8Ω, Unloaded, Power=1W)
THD+N	0.003% (4Ω Unbridged, f=100Hz, Power=1W)
Sensitivity	0.4Vrms to 2.1Vrms
Analog input impedance	10KΩ
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F)
Storage	-20°C ~ 70°C (-4°F ~ 158°F)
Thermal Dissipation	2x 60mm Axial Fans
AC Mains	100 - 240VAC, 50 - 60 Hz - 120W Nominal consumption / 430W Max consumption (all outputs fully driven)
Fuse Rating	3.15A 250V 5mm x 20mm SLOWBLOW
Configuration Modes	Stereo Multi-zone Mode: 8 Stereo Zones Dolby Multi-channel Mode: 1 Dolby Digital 5.1 Audio (6-channel) / Up to 5 Stereo Zones
Inputs (per zone)	2x Analog Inputs - RCA style
Volume (per zone)	Range: 0 - 100. Adjustable (Full Range: -99.5dB to +24dB)
Mute (per zone)	On / Off

DOLBY AUDIO DETAILS

Inputs	1x S/PDIF (Coax and Optical) with Dolby Digital 5.1
Outputs	Left, Right, Center, Rear-Left, Rear-Right, Subwoofer
Additional Dolby Output (Optional)	Subwoofer in bridge-tied load (BTL) mode
Line level Output	Line level subwoofer. (Always On in Dolby Mode)
Volume	Range: 0 - 100. Adjustable (Full Range: -99.5dB to +24dB)
Mute	On / Off
Bass & Treble	+/- 12dB
EQ Settings (per zone)	+/- 12dB. Bands: 100Hz, 330Hz, 1kHz, 3.3kHz, 10kHz
Delay Settings (per zone)	0-50ms
Stereo Channel Up-mix	Auto up-mixing of stereo digital audio into all speakers

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