PA-120Z
120W Power Amplifier

PA-120Z is a high-performance, selectable Hi-Z (70V/100V) or Lo-Z (4Ω/8Ω) power amplifier featuring balanced and unbalanced inputs and additional line-level output. This versatile amplifier features built-in DSP, auto-standby and maximum durability. PA-120Z is suitable for a vast range of AV installations

FEATURES

High-performance Amplifier - With built-in DSP and additional balanced stereo line-level output. PA-120Z features flat frequency response, unmatched sonic performance, excellent signal to noise ratio, and extraordinarily low distortion levels

Adaptable to Any AV Installation - Switch between Lo-Z and Hi-Z to accommodate any type of loudspeaker installation. Select 1 Channel of 120W into a 70V/100V line or 2 channels of 60W into 4Ω/8Ω

Individual Mix Per Output - Each output supports an independent input mix with master volume, 3-band parametric EQ, and selectable high-pass filter. Create one output mix and EQ settings suitable for the venue and another for recording or cascading more amplifiers, powered speakers or subwoofers according to any AV installation requirements

Professional, Studio Grade Signal Conversion Technology - Includes the latest generation 32–bit advanced Digital Analog Converter architecture to achieve excellent dynamic performance and improved tolerance to clock jitter. Maintains the quality of the original audio signal with selectable sampling rates up to 96 kHz

Durable and Reliable - PA-120Z is immune to failure. It includes layers of protection against over-current, DC voltage at the outputs, high frequency, and over-heating with intelligent, heat-sensitive fans for added protection

Flexible Control Options - Control locally via RS-232 serial commands or remotely via embedded web pages over Ethernet

Power Efficient - This super-efficient amplifier includes auto-standby for power saving and cost reducing operation. No need to rely on default auto-standby settings. Adjust your noise floor threshold based on exactly when your amplifier needs to go into sleep mode and when it needs to wake up

Easy Installation - ½ 19" size enables mounting in a 1U rack space with the recommended rack adapter

TECHNICAL SPECIFICATIONS

Inputs:	1 unbalanced stereo on a 3.5mm connector; 1 balanced stereo +4dBu/10kΩ on a 5 pin terminal block
Outputs:	1 balanced stereo line level on a 5−pin terminal block; 1 stereo or 1 mono speaker output on a 4 pin large terminal block
Input Sensitivity:	Attains full power @ 0.3V (−10dBV)
Output Power:	2 x 60W @ 4Ω or 8Ω; 1 x 120W @ 70V or 100V
Amplifier Type:	Class D
Maximum Voltage Gain:	26dB SE / 32dB BTL
Dynamic Range:	119dB
Frequency Response:	20Hz to 20kHz @ +/−1dB
S/N Ratio:	80dB −10dBV, 20 Hz − 20 kHz
Controls:	Screw trimmer amplifier attenuator, IP and RS−232
Audio THD + Noise:	THD+N (1kHz @ 1W) 0.003 %
Audio 2nd Harmonic:	0.08% @ 75W RMS @ 4Ω 6.67kHz
Power	Source: Universal mains operational voltage 85VAC – 265VAC
	Consumption 150VA
Total System Efficiency:	89.2%
Included Accessories:	Power cord
Product Dimensions	21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H
Product Weight	0.9kg (2.0lbs) approx
Shipping Dimensions	40.50cm x 29.70cm x 9.00cm (15.94" x 11.69" x 3.54") W, D, H
Shipping Weight	1.5kg (3.3lbs) approx