

LPA Series

Digitally Controlled Linear Power Amplifiers

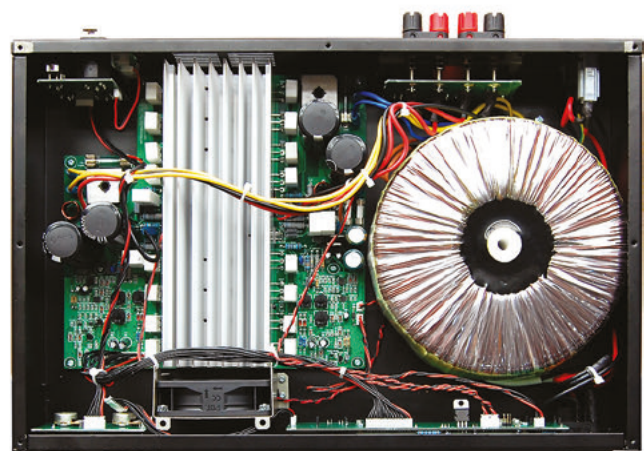


CONCEPT

The LPA power amplifier range is a new unique hybrid approach to amplification, using proprietary digital control of limiters and filters while retaining a purely analogue signal path. This gives high dynamic reserves without compromising tonal purity. Proven linear power supply technology yields predictability at any power level. A large 3 colour LCD display clearly indicates the status at any time, and is legible from long distances. The LPA series is available in 5 different power levels.

FEATURES

- Linear amplifier with bipolar transistors, 2Ω stable
- Class AB topology (LPA 800/1400)
- Class H topology (LPA 1800/2400/3000)
- Stereo, parallel mono and bridge operation modes
- Toroidal transformer
- Temperature-controlled fan cooling
- 71-segment 3-color LCD display with level meter, temperature readout and status indication
- Digitally controlled limiter and input high-pass filters
- Front-detachable air ventilation filter frame
- XLR II TRS inputs (LPA 800)
- Combo II XLR inputs (LPA 1400/1800/2400/3000)
- Complementary Phoenix-compatible input sockets
- Speakon-compatible output connectors
- Additional binding post outputs
- IEC-type AC input (LPA 800)
- PowerCon AC input (LPA 1400/1800/2400/3000)
- Resettable circuit breaker for AC input (LPA1400/1800/2400/3000)



Internal View



Rear View Model 800



Rear View Models 1400 | 1800 | 2400 | 3000

TECHNICAL DATA

Parameter/Model	■ LPA800	■ LPA1400	■ LPA1800	■ LPA2400	■ LPA3000
Power x2 @ 8 4 2 Ω	200 300 430 W	280 450 700 W	360 600 900 W	500 750 1200 W	650 1000 1500 W
Power (Bridge) @ 8 4 Ω	600 800 W	900 1400 W	1200 1800 W	1500 2400 W	2000 3000 W
Damping Factor	>300	>300	>300	>300	>300
Frequency Response	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB
THD	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%
Circuit	Class AB	Class AB	Class H	Class H	Class H
Fan	x 1	x 1	x 1	x 1	x 2
Audio Input	XLR + TRS + PHX	Combo + XLR + PHX	Combo + XLR + PHX	Combo + XLR + PHX	Combo + XLR + PHX
AC Input	IEC	PowerCon	PowerCon	PowerCon	PowerCon
Fuse	Cartridge	Breaker	Breaker	Breaker	Breaker
Size	19" 2U 290 mm	19" 2U 370 mm	19" 2U 370 mm	19" 2U 370 mm	19" 2U 370 mm
Weight (kg)	13.0 kg	14.5 kg	15.0 kg	15.5 kg	19.5 kg