

LPA Series

Digitally Controlled Linear Power Amplifiers

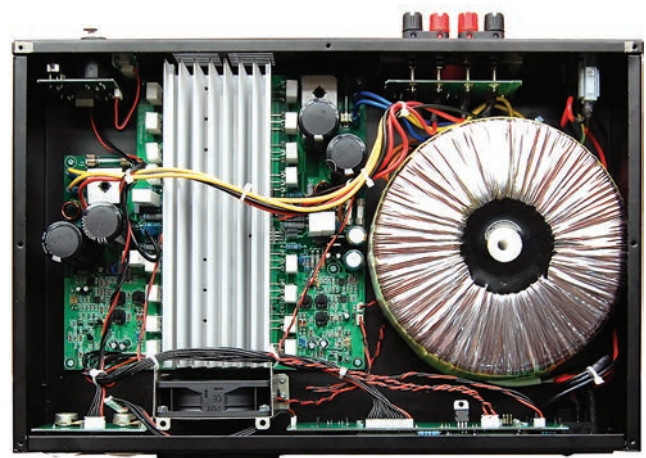


CONCEPT

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 | >400 | >400 | >400 | >400 | >400 |
| 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 |