

15" POWERED LOUDSPEAKER SYSTEM



The PA-L15 is bi-amplified using two dedicated high resonance digital amplifiers, featuring outstanding efficiency, with each amp delivering up to 1600 Watts (LF) and 400 Watts (HF) under 8 ohms.

Each speaker channel is under control by a powerful 64-bit digital processing unit. Each of these on-board DSP units includes a module dedicated to managing core system parameters including system EQ, time alignment between sections, and limiting. This level of control makes the PA-L15 fully protected and able to operate at the full extent of its abilities.

High-power Class D amplifier

Loaded with up to 2,000 watts of Class D power, the PA-L15 is a beast. It delivers up to an impressive 129dB SPL, so go ahead and crank it up as the PA-L15 can take it. Enjoy maximum power, along with stable, worry-free operation, thanks to a universal switching-mode power supply. Beyond that, this amp was optimized to match the PA-L15's transducers, ensuring top-tier sound quality.

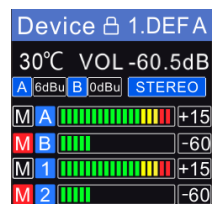
Power, and Performance

The PA-L15 offers superb clarity and best-in-class SPL performance. This 2-way bi-amped PA speaker boasts a high-power up to 2,000-watt Class D amplifier and the widest 40 Hz to 20 kHz frequency range, and it can tackle any application you throw at it. Sophisticated DSP processing yields high-resolution sound with super-

low latency, while an intuitive IPS LCD makes dialling in your settings a piece of cake. The PA-L15 employs a lightweight yet durable plywood cabinet with a premium-grade German polyurea coating.

FEATURES

- 2-way powered loudspeaker with 1.73" (44mm) HF and 15" (380mm) LF drivers
- Boasts a high-power up to 2,000-watt Class D amplifier and widest 40Hz-20kHz frequency range
- Intuitive 1.4" (35.56mm) IPS LCD screen for quick settings and monitoring
- Large dynamic high-performance woofer for high-power capacity and very lightweight
- 90° x 70° coverage pattern for even and smooth response on and off-axis
- Advanced DSP tuning employs a combination of FIR filtering and corrective EQ to minimize phase distortion
- Precision-engineered crossover for optimal power response and performance in the vocal midrange region
- Single-position pole socket for applications requiring pole mounting
- DSP protection safeguards your power supply, power amplifiers, and transducers against damage
- Optimized factory presets and an intuitive IPS screen makes operation easy
- Universal switching-mode power supply offers maximum power, along with stable, worry-free operation
- Attractive 16-gauge protective screen-backed steel grille
- Lightweight yet durable 15mm plywood cabinet with a premium-grade German polyurea coating



LOUDSPEAKER PROCESSING

Crossover	Multiple filter types (Butterworth, Linkwitz-Riley, Bessel)
Delay	120ms (input) / 20ms (output)
Control and monitoring interface	Full configuration and real-time monitoring via PC

AUDIO PERFORMANCE

THD + N 20Hz-20kHz for 1W	<0.05%
Input impedance	Balanced > 10 kΩ
Processing	64-bit floating-point processing resolution
A to D conversion	24-bit
Internal sample rate	48 kHz

LED, CONNECTORS AND BUTTONS

Protection LED	Protect, Clip, and Signal
Intuitive LCD screen	1.4" (35.56 mm) IPS LCD
Input connectors (Analog)	1 x Male XLR (Pin 2+, Pin 3-), 1 x Female XLR (Pin 2+, Pin 3-)
Input connectors	2 x RJ45 etherCON
Mains connectors	2 x powerCON
Control	USB-B
Buttons	Power, volume, and rotary knob
Encoder	Adjust, Set

ACOUSTICAL SPECIFICATIONS

Operating frequency range	40 Hz to 20 kHz
Number of ways	2
Maximum SPL	129 dB
Horizontal coverage	90°
Vertical coverage	70°
Presets	99 user-definable presets

TECHNICAL SPECIFICATIONS

Transducer (HF)	Single 1.73" (44 mm)
Transducer (LMF)	Single 15" (380 mm)
RMS capacity (HF)	100W @ 8Ω, Class-D
RMS capacity (LMF)	400W @ 4Ω, Class-D
Peak capacity (HF)	400W @ 8Ω, Class-D
Peak capacity (LMF)	1,600W @ 4Ω, Class-D
Enclosure type	Bass-reflex
Crossover type	DSP
Crossover frequencies	1.6 kHz

PHYSICAL SPECIFICATION

Height	620 mm
Width	440 mm
Depth	420 mm
Weight	30 Kg
Riggings	M8 suspension points and integral pole mount socket

