

LT15A



Technical Specifications

☒ System type: 2-way vented enclosure
 High Frequency Device: 1" compression driver with 1.35" VC
 Low Frequency Device: 15" woofer with 2.5" VC
 Angular Coverage: 90° H x 60° V
 Total peak power: 600 W
 HF Amplifier Continuous Power: 50 W Class AB
 LF Amplifier Continuous Power: 250 W Class D
 Power Supply: SMPS
 Processing: Analog
 Frequency Response: 45 Hz - 20 kHz
 Max SPL: 126 dB
 Connectors: IN: COMBO, LINK: XLR M
 Controls: LEVEL, LINE/MIC selector, LOW EQ, HIGH EQ, GND LIFT
 FRONT LED selector
 Flying System: 4 x M10 top/bottom
 Construction: Plywood
 Cabinet Colour: Black
 Handles: 2 x sides
 Mounting Pole: 1 x bottom, dual angle
 Power Supply: "230 or 120 VAC 50/60 Hz with LINE VOLTAGE selector"
 Dimensions (W x H x D): 448 x 670 x 410 mm
 Weight: 21 kg / 46.3 lbs.

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Active 2-way loudspeaker systems

Category: Sound Systems » Loudspeakers

Brand: PROEL
 Product Code: LT15A

Overview

The new LITE Series by PROEL is an extended range of active and passive speaker systems with plywood cabinet offering the renowned PROEL sound and a high-level performance in a reliable and affordable package.

For the construction of the cabinets we have used plywood, a very lightweight and durable material that makes moving and installing these speakers very quick and easy. Strong, anti-scratch paint and steel grilles with an internal foam layer provide proper protection for years of service. The dual-angle pole holder featured in 8", 10", 12" and 15" models offers the possibility to obtain a more uniform coverage of the audience.

For the high frequency reproduction of LITE Series we have designed wide-dispersion horns, able to provide constant coverage for large audiences and detailed response with low distortion. The high-excursion woofers, together with carefully tuned vented cabinets, offers an extended response with deep and tight basses.

The LITE Series includes 6 active models ranging from 6.5" to dual 15" woofers, plus 1 satellites + subwoofer system. The extremely lightweight power modules used in the active models feature the latest technologies for amplification, such as Switch Mode Power Supply and CLASS D output stages, which provides a massive amount of power with a reduced weight. The power modules are hosted in fully-sealed die-cast aluminum boxes that provides protection, perfect insulation of the cabinet from the outside and extremely efficient cooling. Each module includes a sophisticated pre-amp section with up to 24 dB/oct. phase aligned crossover filters and active EQ filters for the system's fine tuning. The DUAL LIMITER circuit ensures an undistorted sound even at the loudest level and a total loudspeaker protection.

The LT loudspeaker systems can be combined with the SW subwoofers, available in 5 models and capable of providing the perfect low frequency extension for each model of the series.

- 1" compression driver with 1.35" VC on a constant coverage 90° x 60° horn
- 15" woofer with 2.5" VC
- 600 W peak power
- 50 W continuous class AB amplifier for the high frequencies
- 250 W continuous class D amplifier for the low frequencies
- Switch Mode Power Supply (SMPS)
- LINE/MIC input
- SPL MAX 126 dB
- Frequency response 45 Hz - 20 kHz
- Lightweight plywood cabinet
- 2 metal handles

- 4 x M10 flying points