



LT15A

Active 2-way loudspeaker systems



Description

The 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

Technical Specifications LT15A

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.

