



2-Way Professional Loudspeaker

RLPROX8, RLPROX10, RLPROX12, and RLPROX15

The RLPROX series consists of 2-way passive professional loudspeakers designed for permanent installation or mobile use. These speakers feature a high-power woofer for low frequencies and a 1 $\times$ 44 mm Titanium tweeter to create a superior sound effect. Built for durability, the enclosure includes 20 hanging points for versatile mounting and is suitable for venues like auditoriums, theaters, and clubs.

Technical Specifications and Performance

The series includes four distinct models: RLPROX8, RLPROX10, RLPROX12, and RLPROX15. The low-frequency (LF) drivers range from 8" to 15" depending on the model, while all units provide a wide-angle dispersion of $70^{\circ} \times 70^{\circ}$. Power handling is robust across the line, with the RLPROX8 starting at 200 Watts of rated power and the RLPROX15 reaching a maximum power of 1000 Watts.

Acoustic Capabilities and Dimensions

Each loudspeaker in the RLPROX range operates with a nominal impedance of 8 Ohm. The frequency response is tailored to the driver size, with the RLPROX15 offering the deepest reach at $38\text{ Hz}-19\text{ kHz}$. Physical weight varies significantly to accommodate different installation needs, ranging from the portable 12kg RLPROX8 to the more substantial 26.6kg RLPROX15.

Advanced Driver Configuration

Every model in the RLPROX lineup, from the RLPROX8 to the RLPROX15, utilizes a specialized 2-way coaxial driver unit. This system pairs a high-power woofer, designed for rich low-frequency reproduction, with a $1 \times 44\text{ mm}$ Titanium tweeter to handle the high-frequency spectrum with clarity. This driver combination is designed to work in harmony with a reflex subwoofer system to provide a deep, impactful low-end response, making them suitable for professional sound reinforcement.

Wide-Angle Sound Dispersion

A key feature of the RLPROX range is the 70° horizontal and vertical wide-angle dispersion. This specific dispersion pattern ensures that audio is distributed evenly across the listening area, minimizing "dead zones" in a venue. Whether used in a medium-scale auditorium, a theater, or a high-energy club, this consistent coverage helps maintain high-fidelity sound for the entire audience.

Power Handling and Acoustic Output

The RLPROX series scales its power performance across four different models to meet various volume requirements. Rated power begins at 200 Watts for the RLPROX8 and increases to 500 Watts for the RLPROX15, with maximum power peaks reaching up to 1000 Watts on the largest unit. Sensitivity ratings also increase with model size, allowing the RLPROX15 to achieve a high Maximum SPL of 126dB for high-impact audio delivery.



The RLPROX series offers durable, high-performance 2-way passive loudspeakers with wide-angle dispersion and versatile mounting options for professional venues

Key Specifications

Model : RLPROX8

- Description : 2-Way Professional Loudspeaker
- LF Driver : 8"
- HF Driver : 1 x 44mm Titanium tweeter
- Frequency Response : 60Hz-20KHz(± 3 dB)1 watt@1m
- Frequency Response : 30 Hz-20 kHz (± 3 dB)-10 dB @ 55 Hz
- Rated Power : 200 Watts
- Maximum Power : 300 Watts
- Nominal Impedance : 8 Ohm
- Dispersion (H x V) : 70°x 70°
- Sensitivity (1 m/1W) : 99dB
- MAX. SPL : 109dB
- Fittings : 20 x M10 Flying points, 1 x Pole mount Socket
- Dimensions : 275x260x440mm
- Weight : 12kg

Model : RLPROX10

- Description : 2-Way Professional Loudspeaker
- LF Driver : 10"
- HF Driver : 1 x 44mm Titanium tweeter
- Frequency Response : 50Hz-19KHz(± 3 dB) 1 watt@1m
- Frequency Response : 30 Hz-20 kHz (± 3 dB)-10 dB @ 55 Hz
- Rated Power : 250 Watts
- Maximum Power : 500 Watts
- Nominal Impedance : 8 Ohm
- Dispersion (H x V) : 70°x 70°
- Sensitivity (1 m/1W) : 99dB
- MAX. SPL : 109dB
- Fittings : 20 x M10 Flying points, 1 x Pole mount Socket
- Dimensions : 330x310x528mm
- Weight : 12kg

Model : RLPROX12

- Description : 2-Way Professional Loudspeaker
- LF Driver : 12"
- HF Driver : 1 x 44mm Titanium tweeter
- Frequency Response : 45Hz-19KHz(± 3 dB) 1 watt@1m
- Frequency Response : 30 Hz-20 kHz (± 3 dB)-10 dB @ 55 Hz
- Rated Power : 450 Watts
- Maximum Power : 800 Watts
- Nominal Impedance : 8 Ohm
- Dispersion (H x V) : 70°x 70°
- Sensitivity (1 m/1W) : 103dB
- MAX. SPL : 122dB
- Fittings : 20 x M10 Flying points, 1 x Pole mount Socket
- Dimensions : 375x365x595mm
- Weight : 12kg

Model : RLPROX15

- Description : 2-Way Professional Loudspeaker
- LF Driver : 15"
- HF Driver : 1 x 44mm Titanium tweeter
- Frequency Response : 38Hz-19KHz(± 3 dB) 1 watt@1m
- Frequency Response : 30 Hz-20 kHz (± 3 dB)-10 dB @ 55 Hz
- Rated Power : 500 Watts
- Maximum Power : 1000 Watts
- Nominal Impedance : 8 Ohm
- Dispersion (H x V) : 70°x 70°
- Sensitivity (1 m/1W) : 109dB
- MAX. SPL : 126dB
- Fittings : 20 x M10 Flying points, 1 x Pole mount Socket
- Dimensions : 423x440x698 mm
- Weight : 26.6kg



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