

PRX935

Professional Powered Three-Way 15-Inch PA Loudspeaker



SPEC SHEET



OVERVIEW

The **JBL PRX935**, part of the PRX900 Series of powered loudspeakers and subwoofers, takes professional portable PA performance to a new level with advanced acoustics, comprehensive DSP, unrivaled power performance and durability, and complete BLE control via the JBL Pro Connect app.



REAR PANEL CONNECTIONS

PRODUCT HIGHLIGHTS

- **Transducers:**
 - 916G 15" ferrite magnet woofer
 - JBL 2408H-2 1.5" poly-annular diaphragm compression driver
- **Updated JBL image control waveguides** improve dispersion
- **FEA flared port design** reduces air noise and distortion
- **Low-noise, low-distortion gain** staging design
- Lightweight, efficient **Class D amplification**
- **Power:** 2,000 watts peak/1,000 watts RMS
- **Frequency response:** 40 Hz–20 kHz @4π (-10 dB); 46 Hz–18 kHz @4π (-3 dB)
- **Dispersion:** 90° x 50°
- **Max SPL:** 136.1 dB
- **Crossover frequency:** 542 Hz; 2100 Hz
- **Color LCD screen** provides access to comprehensive DSP suite
- **DriveRack Technology** includes Automatic Feedback Suppression, system limiter and 180ms of speaker delay in 100-microsecond intervals for time-aligned systems
- **Optimized presets** for pairing full-range speakers with subwoofers
- **Quiet fanless** operation
- **JBL Pro Connect app** allows full system control of up to 10 speakers and line integration with JBL EON ONE MK2, PRX ONE, EON700, and PRX900 systems
- **Birch cabinets** with updated bracing optimized for acoustic performance and durability
- **I/Os:**
 - 2 XLR balanced Combo jacks
 - 1 3.5mm aux
 - 2 XLR-M loop-through
 - 1 XLR-M mix out
- **Two integrated handles** side
- **Suspension/mounting:** single 36mm pole mount, eight M10 suspension points
- **Ultra-low system latency:** <1ms
- **Net weight:** 36.6 kg (80.7 lbs); **Gross weight:** 42 kg (92.6 lbs)
- **Dimensions:** 938.5 x 446 x 434 mm (36.9 x 17.6 x 17.1 in)
- **Shipping dimensions:** 990 x 535 x 535 mm (39 x 21.1 x 21.1 in)
- Backed by **industry-leading seven-year warranty**

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SPECIFICATIONS ■

System Type	15-Inch Three-Way Powered Loudspeaker
Woofers Model	916G
Woofers Size	15"
Woofers Magnet	Ferrite
Woofers Voice Coil	3"
Mid-Range Model	196H
Mid-Range Size	6"
Mid-Range Magnet	Ferrite
Mid-Range Voice Coil	1.5"
Tweeter Model	2408H-2
Tweeter Size	1.5"
Tweeter Magnet	Neodymium
Transducer Impedance	Rated: Woofer: 4 Ω Mid-Range: 8 Ω Tweeter: 8 Ω
Max SPL	136.1 dB
Freq Range -10	40 Hz - 20 kHz (4 π)
Freq Range -3	46 Hz - 18 kHz (4 π)
AC Power Input	100 - 230 Vrms 50 - 60Hz

Hor Dispersion	90°
Vert Dispersion	50°
Power Rating	2000W Peak
Cooling	Natural Convection No Fan
LED Indicators	x3 SSM Input Levels and Limit
Input Impedance	100K Ω Balanced
Input Gain	0 - 36 dB Gain, 0-12 dB on Aux In
Crossover Freq	542 Hz; 2100 Hz
I/O	x2 Combo Inputs and x1 3.5 mm Stereo Jack x2 XLR Through Out and x1 Mix Out
Cabinet	Trapezoidal, 18 mm Plywood
Grille	Powder Coated Steel, T=1.5mm
Suspension/Mount	8x M10 Suspension Point and Single 36 mm Pole Mount
Handles	Side Handle x2
Net Weight	36.6 kg (80.7 lbs)
Gross Weight	42 kg (92.6 lbs)
Product Dims	938.5 x 446 x 434 mm (36.9 x 17.6 x 17.1 in) (H x W x D)
Shipping Dims	990 x 535 x 535 mm (39 x 21.1 x 21.1 in) (H x W x D)

PRODUCT FEATURES ■

All-New Acoustic Designs

From cone to cabinet, the PRX935 has been built from the ground up to leverage the latest JBL acoustic innovations. A patented JBL 2408H-2 1.5" compression driver with poly-annular diaphragm and neodymium magnet provides clear, detailed high-frequency response even at maximum volume. Innovative new horns with updated JBL Image Control Waveguides provide optimum beamwidth and directivity. A next-generation woofer with ferrite magnet delivers smooth, natural bass and mids.

Power That Performs for You

PRX900 systems effortlessly support large performance spaces with high power and performance needs. Driven by a highly efficient 2,000W (peak) Class D power amp, PRX935 provides acoustic clarity and definition with minimal power compression, even at maximum volume. A bridged woofer amp keeps current spikes out of the ground and lowers crosstalk harmonics to the compression driver, and a power factor correction (PFC) power supply stabilizes voltage load sent to the amplifier. High-quality, high-linearity inductors deliver high power efficiency and low total harmonic distortion, and low-noise, low-distortion input gain staging optimizes range and headroom for a diverse gain requirements. A high-quality DAC and ADC provide near-lossless audio conversion. And with a full-bandwidth CMRR (Common Mode Rejection Ratio) greater than 55 dB and THD (total harmonic distortion) rating of <32 dB, system noise is virtually nonexistent.

Dial In Your Sound With Class-Leading DSP

PRX935 is fully loaded with comprehensive DSP, all accessible via the JBL Pro Connect app and onboard full-color LCD. Processing includes 12-band parametric EQ and optimized system presets.

Onboard dbx DriveRack technology features live and fixed Automatic Feedback Suppression, soft system limiters and 180ms of speaker delay in 100-microsecond intervals for precise time-aligned systems.

Versatile and Scalable

Combine PRX900 Series loudspeakers and subwoofers in a range of configurations to meet the needs of both mobile scenarios and fixed installs. PRX935 features dual 36mm pole sockets and eight M10 suspension points.

Part of the Pro Connect Ecosystem

The JBL Pro Connect app offers BLE functionality for system control of up to 10 speakers and line integration with JBL EON ONE MK2, PRX ONE and EON700 loudspeakers. The app provides full access to the PRX900 series' DSP package, and users can easily mute channels and speakers with the touch of a button and can change speaker names and flash all unit LEDs for ease of speaker identification. App-exclusive features include speaker snapshots and groupings.

Rugged and Road-Worthy

PRX935 components are housed in a strong, lightweight enclosure that maximizes both acoustic performance and durability. The cabinet is constructed from rugged 18-ply birch, with newly designed optimized internal bracing for premium acoustic performance. Cabinets are also coated with JBL patented Duraflex® paint for enhanced durability.

In It for the Long Haul

Like every JBL product, the PRX935 undergoes an industry-leading 100-hour stress test of all components to ensure systems perform beyond expectations in real-world scenarios. It's so reliable that it's backed with an unprecedented seven-year warranty.

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PRODUCT DIMENSIONS ■



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