PRX912

Professional Powered Two-Way 12-Inch PA Loudspeaker

SPEC SHEET



OVERVIEW

The JBL PRX912, 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:**
  - 912G 12” ferrite magnet woofer
  - JBL 2408H-2 1.5” poly-annular diaphragm compression driver
- **Updated JBL image control waveguides** improve dispersion
- **Low-noise, low-distortion** gain staging design
- Lightweight, efficient **Class D amplification**
- **Power:** 2,000 watts peak/1,000 watts RMS
- **Frequency response:** 50 Hz–20 kHz @4π (-10 dB); 65 Hz–17 kHz @4π (-3 dB)
- **Dispersion:** 90° x 50°
- **Max SPL:** 132 dB
- **Crossover frequency:** 2,050 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, and EON700 systems
- **G-Sensor Automatic Position Detect** optimizes tuning based on main or monitor orientation
- **Polypropylene/talc composite cabinet** is optimized for rigidity 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** (top and side)
- **Suspension/mounting:** dual 36mm pole socket, six M10 suspension points
- **Ultra-low system latency:** <1ms
- **Net weight:** 19.5 kg (43 lbs); **Gross weight:** 23.5 kg (51.8 lbs)
- **Dimensions:** 636 x 394 x 332 mm (25.04 x 15.5 x 13 in)
- **Shipping dimensions:** 668 x 506 x 444 mm (26.3 x 19.9 x 17.5 in)
- Backed by **industry-leading seven-year warranty**

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SPECIFICATIONS

System Type	12-Inch Powered Loudspeaker
Woofer Model	912G
Woofer Size	12”
Woofer Magnet	Ferrite
Woofer Voice Coil	2.5”
Tweeter Model	2408H-2
Tweeter Size	1.5”
Tweeter Magnet	Neodymium
Transducer Impedence	**Rated:** Woofer: 4 Ω Tweeter: 8 Ω
Max SPL	132 dB
Freq Range -10	50 Hz - 20 kHz (4π)
Freq Range -3	65 Hz - 17 kHz (4π)
Hor Dispersion	90°
Vert Dispersion	50°
Power Rating	2000W Peak / 1000W RMS
AC Power Input	100 - 230 Vrms 50 - 60Hz

Cooling	Natural Convection No Fan
LED Indicators	x3 SSM Input Levels and Limit
Input Impedence	100K Ω Balanced
Input Gain	0 - 36 dB Gain
Crossover Freq	2050 Hz
I/O	x2 Combo Inputs and x1 3.5mm Stereo Jack x2 XLR Through Out and x1 Mix Out
Cabinet	PP + 10% Talc
Grille	Powder Coated Steel, T=1.5mm
Suspension/ Mount	6x M10 Suspension Point and Pole Mount
Handles	Top Handle and Side Handle
Net Weight	19.5 kg (43 lbs)
Gross Weight	23.5 kg (51.8 lbs)
Product Dims	**H x W x D** 636 x 394 x 332 mm (25 x 15.5 x 13.1 in)
Shipping Dims	**H x W x D** 668 x 506 x 444 mm (26.3 x 19.9 x 17.5 in)

PRODUCT FEATURES

All-New Acoustic Designs
From cone to cabinet, the PRX912 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. High-quality NTC thermistors protect transducers by reducing power sent to transducers when approaching thermal limit. 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, PRX912 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
PRX912 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. PRX912 features dual 36mm pole sockets and six M10 suspension points. A built-in gyrosensor automatically optimizes tuning depending on monitor or mains placement.

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 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
PRX912 components are housed in a strong, lightweight enclosure that maximizes both acoustic performance and durability. Its cabinet is constructed from a polypropylene/talcum blend that’s optimized for rigidity, with a computer-modeled internal ribbing design for maximum structural integrity and minimal cabinet noise.

In It for the Long Haul
Like every JBL product, the PRX912 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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