

# PRX500

S E R I E S



PRX512M

PRX515

PRX525

PRX535

PRX518S



POWER, PERFORMANCE, SIMPLICITY



# PRX500

S E R I E S

For every musician, DJ, venue and audio/video provider, high-performance self-powered speaker systems offer a degree of simplicity unmatched by traditional amp and speaker PA systems. Not only are all components matched right out of the box, but they are optimized for maximum reliability. By considering every element in each system and its contribution to the final application PRX500 redefines high performance portable PA. Through design, PRX500 delivers the power, performance and simplicity you need in a package that's been designed to move.

POWER,

PERFORMANCE,

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PRX525



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PRX512M





## JBL TECHNOLOGY

JBL Professional has been designing leading edge transducers and systems for over 60 years. Concentrating a design focus on continual improvements in higher power handling, smoother frequency response characteristics, lower distortion, less power compression the result is higher and higher performance levels. Now with the introduction of Differential Drive® technology not only do we continue on that path but we are now reducing the weight of the components by incredible amounts.



## POWERED BY CROWN

Crown has been designing amplifiers for more than 40 years, always incorporating the best of proven technologies and state-of-the-art advancements into their products. The result: a history of rock solid reliability and a dedication to quality and innovation.

The final application is always the most critical element of every design.



## PERFORMANCE BY DESIGN

It's the fusion of world leading JBL Differential Drive® transducers matched with the power of a multi-channel Crown class-D amplifier that delivers all the PRX500 power and performance at about 30% less weight than competitive products. So what makes it portable? It's not just the light weight and in the case of PRX500 it's not just by adding a handle. Not only are the components significantly lighter, the entire enclosure was designed for maximum ease of transport. From engineered enclosures to protective end-caps to ergonomic handles. Each element has been critically designed to make more than the sum of parts, to make high performance self-powered portable PA that's actually portable.



## NEODYMIUM COMPRESSION DRIVERS

High frequencies are handled by the new 1.5" annular polymer diaphragm compression driver. The use of a polymer contributes to lower distortion than other similar sized titanium compression drivers. A neodymium motor reduces the weight and size. And the discrete design of the phase plug and bullet provide seamless acoustical transition to the waveguide resulting in crystal clear highs and sonic accuracy. Patent Pending.

## WAVEGUIDES

When the audience area you have to cover varies from room to room an optimized waveguide with a predictable coverage pattern is called for. Whether using one system or pairing systems together in stacked arrays, the PRX500 waveguides ensure excellent coverage and pattern control with exceptionally low distortion.

## DIFFERENTIAL DRIVE TRANSDUCERS

PRX500 utilizes the latest range of JBL's patented Differential Drive<sup>®</sup> transducers. This new range of 400 watt drivers continue to deliver the same extended frequency response, high power output and low distortion as all JBL transducers have been designed to do. It's the unique Differential Drive technology that enables all the performance in a dramatically lighter package. The dual-coil/dual-gap design places the neodymium magnet inside the voice coil assembly efficiently eliminating the need for massive steel pole pieces as found in conventional drivers. The light weight aluminum chassis is also the heatsink, designed to efficiently lower voice coil temperatures and reduce performance-robbing power compression.







## POWERED BY CROWN

Class-D amplifiers have been used in the grueling world of professional car audio for years. They are light, efficient and extremely durable, even in the harshest environments. Using this topology Crown designed a remarkable power solution for PRX500. With a fully featured DSP front end, not only does the amplifier section weigh in at less than 9 lbs, it is capable of producing up to 400 watts per channel, across all three available channels. And at no expense to audio quality, right down to the lack of cooling fan noise: there are none, all heat is dissipated via its efficient passive cooling system.

## FLEXIBILITY & SELECTION

Input connections are simply made via 1/4" phone jacks or XLRs, the PRX518S provides the flexibility of a stereo loop-thru connection for efficient sub/sat configurations and with the simple press of a button a dedicated precision crossover is applied to the system. To fine tune further the system can be optimized by simply reversing the polarity. All full-range models feature two frequency response settings; "FLAT" for maximum accuracy and reproduction and "BOOST" for extra low frequency weight and highs that will brighten pre-recorded material and enhance any program at lower play-back levels. The PRX512M is unique, as each selectable frequency response setting has been optimized for use as either a front of house speaker, or a dedicated floor monitor, without compromise. Not only does each full-range system have a calibrated level control, but also the ability to switch between a 'mic' and a 'line' level input: yes, for single mic application you don't need a mixer!







## DESIGNED CONSTRUCTION

Using the latest mechanical design software and material implementation, including the use of JBL's rugged DuraFlex™ finish, the PRX500 enclosures have been designed to withstand the abuse of the tour van, without compromising on aesthetics and more importantly adding unnecessary weight.

## BUILT-IN PROTECTION

Heavy-Duty protective end caps, independent of the acoustic enclosure construction, effectively create a protective double wall top and bottom. A custom perforated steel grille protects the components. Its acoustically transparent foam backing not only gives each system a high level aesthetic design, but further protects the components.

## PORTABILITY

A newly designed handle, this is where form meets function. Not only has it been designed and size optimized for all the PRX500 powered systems, it's practical use of materials, i.e. non-resonant robust ABS for the back plate and a solid durable, but light-weight chunk of aluminum for the bar...all wrapped in an ergonomically focused rubber grip, make it one of the most highly designed handles in the JBL speaker system catalogue.





# PRX500

S E R I E S

Each model in the PRX500 Series is unique. Not only has each model been designed to excel within a specific application, but to perform seamlessly with the other systems, providing the ability to up-scale your PA. If the first PRX500 system you own is a pair of PRX512Ms, then guaranteed they will still play a crucial role in your PA system when it's grown ten times its size.

## PRX512M

### 12" 2-WAY MULTIPURPOSE SELF-POWERED SOUND REINFORCEMENT SYSTEM

PRX512M is the most compact and versatile speaker in the PRX500 Series. It has been designed to deliver the most performance for its weight and size as both a stage monitor and a front of house main PA. Two user selectable EQ settings are provided to optimize the system for either application. With a dual socket pole mount the PRX512M is a perfect match with a PRX518S subwoofer, offering a high performance self-powered sub/sat system. As the ultimate multipurpose speaker its utility is enhanced by a direct microphone input setting. So for instant speech reinforcement without the need for an external mixer or pre-amp the PRX512M is the most convenient high performance option available.

## PRX515

### 15" 2-WAY SELF-POWERED SOUND REINFORCEMENT SYSTEM

The 2-way 15" is the most recognizable form of a portable PA loudspeaker, the perfect balance between size and performance. The PRX515 truly is an exception; it's smaller and lighter without compromising on performance. For applications requiring full bandwidth sound reproduction, using only a pair of speakers, the PRX515 delivers the optimum balance. For live music, recorded music playback and speech the user has the option of tailoring the EQ, 'flat' for speech intelligibility or use with a sub, and 'boost' for enhanced bass and crisp highs in recorded music playback. As with the PRX512M a microphone can be directly connected to the speaker input for quick on-the-fly PA applications.

## PRX525

### DUAL 15" 2-WAY SELF-POWERED SOUND REINFORCEMENT SYSTEM

If a simple set-up is required and full bandwidth output at high levels is a must, then the PRX525 is most likely the optimum solution. With the same foot print as the PRX515 the addition of another 15" woofer only increases the weight by 24 lbs, yet the increase in performance negates the requirement for an extra subwoofer in live music and many music playback applications. As with all of the PRX full-range models, user selectable EQ is provided, and a direct microphone input option.

## PRX535

### 15" 3-WAY SELF POWERED SOUND REINFORCEMENT SYSTEM

The PRX535 offers the highest level of performance in the PRX500 Series that can be mounted on a pole. It is a 3-way configuration and by design, it is the most accurate in the PRX500 Series. With a horn loaded midrange, pattern control is maintained to a much lower frequency resulting in exceptional clarity and uniform sonic projection over the defined coverage area. Ideally suited to applications where the program material, live or pre-recorded, has many subtle nuances that are critical to the performance. As with all the full-range PRX500 Series systems two EQ selections can be used to optimize the system for the program material and/or environment. The input section also accommodates either Line or Mic/Instrument level inputs.

## PRX518S

### 18" SELF POWERED SUBWOOFER SYSTEM

Compact and powerful, the PRX518S offers the performance of an 18" subwoofer in a package not much larger than a typical 15" sub. With a pole receptacle (that accepts a SS3-BK) on the top panel and integrated stereo pass-thru, with digital cross-over, this is the perfect compliment to the PRX500 full-range systems. Configured with a PRX512M or PRX515; the result is a highly transportable, high performance sub-satellite system. The addition of a polarity reverse option further enables system optimization.

## STANDARD MODELS

## DESCRIPTION

## SPECIFICATION

PRX512M



System Type:	12" 2 - Way Multipurpose Self-Powered Sound Reinforcement System
Components:	262F 305 mm (12") Differential Drive® LF, 2408H 37.5 mm (1.5") annular polymer diaphragm neodymium compression driver HF
Frequency Range (-10dB):	46 Hz - 20 kHz
Frequency Response (-3dB):	76 Hz - 20 kHz
Coverage Pattern:	70° x 70° nominal
Rated Maximum SPL:	133 dB
System Power Rating:	500W Continuous, 1000W Peak
Dimensions (H x D x W):	650 mm x 380 mm x 350 mm (25.5" x 15.0" x 14")
Net Weight:	18 kg (40 lbs)

PRX515



System Type:	15" 2 - Way Self-Powered Sound Reinforcement System
Components:	265F 380 mm (15") Differential Drive® LF, 2408H 37.5 mm (1.5") annular polymer diaphragm neodymium compression driver HF
Frequency Range (-10dB):	45 Hz - 20 kHz
Frequency Response (-3dB):	52 Hz - 20 kHz
Coverage Pattern:	70° x 70° nominal
Rated Maximum SPL:	133 dB
System Power Rating:	500W Continuous, 1000W Peak
Dimensions (H x D x W):	815 mm x 440 mm x 465 mm (32" x 17.25" x 18.25")
Net Weight:	26 kg (57 lbs)

PRX525



System Type:	Dual 15" 2 - Way Self-Powered Sound Reinforcement System
Components:	Dual 265F 380 mm (15") Differential Drive® LFs, 2408H 37.5 mm (1.5") annular polymer diaphragm neodymium compression driver HF
Frequency Range (-10dB):	45 Hz - 20 kHz
Frequency Response (-3dB):	52 Hz - 20 kHz
Coverage Pattern:	70° x 70° nominal
Rated Maximum SPL:	135 dB
System Power Rating:	650W Continuous, 1300W Peak
Dimensions (H x D x W):	1300 mm x 440 mm x 465 mm (51" x 17.25" x 18.25")
Net Weight:	38 kg (84 lbs)

PRX535



System Type:	15" 3 - Way Self Powered Sound Reinforcement System
Components:	265F 380 mm (15") Differential Drive® LFs, 195H 165 mm (6.5") MID, 2408H 37.5 mm (1.5") annular polymer diaphragm neodymium compression driver HF
Frequency Range (-10dB):	39 Hz - 20 kHz
Frequency Response (-3dB):	46 Hz - 20 kHz
Coverage Pattern:	90° x 50° nominal
Rated Maximum SPL:	134 dB
System Power Rating:	650W Continuous, 1300W Peak
Dimensions (H x D x W):	1070 mm x 440 mm x 465 mm (42" x 17.2" x 18.25")
Net Weight:	33.5 kg (74 lbs)

PRX518S



System Type:	18" Self Powered Subwoofer System
Components:	2044E 460 mm (18") VGC™ (Vented Gap Cooled)
Frequency Range (-10dB):	37 Hz - 140 Hz
Frequency Response (-3dB):	52 Hz - 110 Hz
Rated Maximum SPL:	131 dB
System Power Rating:	500W Continuous, 1000W Peak
Dimensions (H x D x W):	725 mm x 535 mm x 610 mm (28.5" x 21" x 24")
Net Weight:	36 kg (79 lbs)

