

PRX710

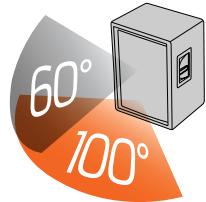
10" TWO-WAY MULTIPURPOSE SELF-POWERED SOUND REINFORCEMENT

COMPACT, ULTRA-LIGHTWEIGHT SYSTEMS... PERFORMANCE YOU CAN TRUST

The PRX710 is the next step in the highly successful PRX Series using JBL's tour tested transducer technology with edgewound ribbon voice coil provides greater efficiency and power handling. Powering the PRX710 is a 1500 Watt high performance, exceptionally low distortion bi-amplification system engineered to deliver clean power with maximum headroom to efficiently deliver smooth high frequencies and rich, deep bass response even at very high sound power levels. Compact, ultra-lightweight, the PRX710 uses JBL's tour tested technology throughout so you can trust it to deliver a lifetime of reliable performance.

+ **1500 WATT**
HIGH-PERFORMANCE
POWERED SPEAKER SYSTEM

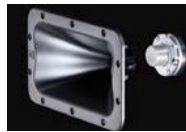
+ **36 LB / 16.4 KG**
FOR EASY PORTABILITY

+ 
100° H / 60° V
BEST IN CLASS COVERAGE

KEY FEATURES

HIGH PERFORMANCE DRIVERS

37.5 mm (1.5 in) Annular Polymer Diaphragm, Neodymium Magnet Compression Driver Resulting in Crystal Clear Highs and Sonic Accuracy. Wide coverage angles are achieved without compromise and harmonic distortion is minimized for maximum driver SPL without harshness.



LOW FREQUENCY

JBL's tour tested transducer technology with edgewound ribbon voice coil provides greater efficiency and power handling.



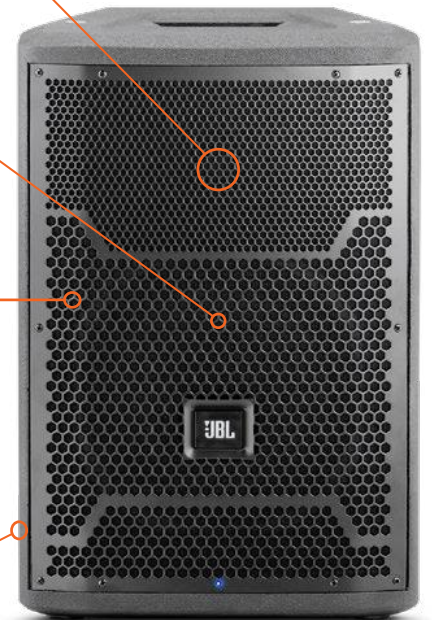
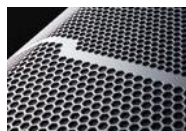
AMPLIFICATION

Highly efficient Class-D amplification drives Maximum Sound Pressure Levels are the best indication of the performance of a powered speaker and all PRX700 Series excel in this critical specification. JBL's ability to maximize the speaker and amplifier performance guarantees ample power, accurate dynamics and sonic purity.



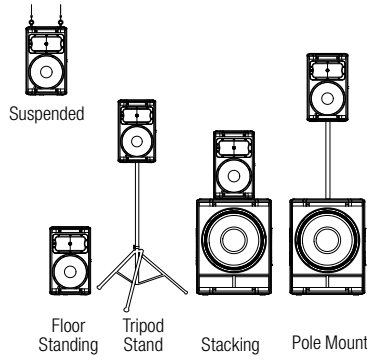
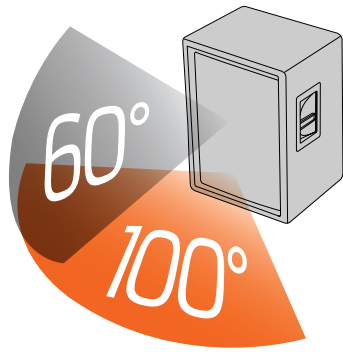
ROAD TOUGH CONSTRUCTION

Built from a combination of 25 mm (on the top and bottom for added rigidity) and 18 mm, strong, light-weight poplar plywood made structurally sound with tongue and groove joints. JBL's tour proven DuraFlex™ finish, grilles from dent-resistant 16 gauge steel, and light-weight glass-filled nylon handles ensure strength and durability. All M10 suspension points are constructed from 14 gauge steel and have been tested with a yield-strength of 1000 lbs. each. A seriously rugged package that will withstand the brutality of constant road use.



Hear the truth.





COVERAGE

System coverage is 100° horizontal and 60° vertical with excellent coverage throughout the system's bandwidth. The sound is smooth and consistent without hotspots so control is optimized.

CONFIGURATIONS

The PRX700 Series is a platform technology with a full range of models that integrate seamlessly to create multiple system options that excel in challenging audio environments with loud volumes. The PRX710 is the most compact and versatile of the series.

- Single speaker on a stand for public address
- Full-range stereo set up with two top cabinets and a sub-woofer for live performance or DJ
- Multiple cabinets for a scalable, highly professional sound reinforcement system
- Suspend any of the top cabinets for use in commercial installations or Houses of Worship

INPUT PANEL

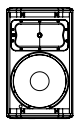
An integrated limiter circuit on the inputs guarantees signal integrity. System performance is optimized through the use of sophisticated Digital Signal Processing for EQ, crossover, amplifier control, and protection.

- DSP Input limiter circuit, crossover, dynamic limiting, component optimization, selectable system EQ
- XLR-¼" combination mic/instrument inputs, RCA inputs, and XLR loop-through
- Easy to use mixing via selection switches on both the input and loop-thru

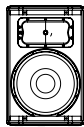
SPECIFICATION

PRX700

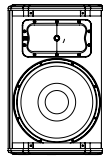
S E R I E S



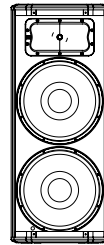
PRX710



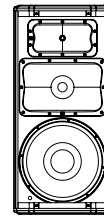
PRX712



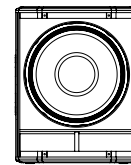
PRX715



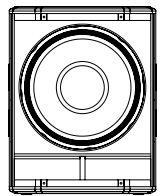
PRX725



PRX735



PRX715XLF



PRX718XLF

	PRX710	PRX712	PRX715	PRX725	PRX735	PRX715XLF	PRX718XLF
System Type:	Self powered 10", two-way, bass-reflex	Self powered 12", two-way, bass-reflex	Self powered 15", two-way, bass-reflex	Self powered 15", two-way, bass-reflex	Self powered 15", three-way, bass-reflex	Self powered 15", bass-reflex	Self powered 18", bass-reflex
Max SPL Output:	133 dB	135 dB	136 dB	139 dB	136 dB	131 dB	134 dB
Freq. Range (-10 dB):	50 Hz - 19.6 kHz	44.8 Hz - 19.6 kHz	42.9 Hz - 19.5 kHz	42 Hz - 18.5 kHz	35 Hz - 20 kHz	37 Hz - 113 Hz	30 Hz - 103 Hz
Freq. Response (±3 dB):	63.5 Hz - 18.5 kHz	55.7 Hz - 18.2 kHz	58.1 Hz - 17.2 kHz	49 Hz - 17 kHz	42 Hz - 20 kHz	44 Hz - 91 Hz	35 Hz - 87 Hz
Coverage Pattern:	100° x 60° nominal	90° x 50° nominal	90° x 50° nominal	90° x 50° nominal	90° x 50° nominal	-	-
Amplifier Design:	Class D	Class D	Class D	Class D	Class D	Class D	Class D
Power Rating:	1500 W (2 x 750)	1500 W (2 x 750)	1500 W (2 x 750)	1500 W (2 x 750)	1500 W (2 x 750)	1500 W	1500 W
Dimensions (mm): (H x W x D)	498.7 x 335.6 x 322.3	612.4 x 384.6 x 341.4	714.4 x 445. x 358.7	1070.4 x 445 x 538	952.5 x 445 x 538	547.1 x 445 x 580	690.4 x 523.2 x 723.9
(in):	19.63 x 13.21 x 12.69	24.11 x 15.14 x 13.44	28.13 x 17.52 x 14.12	42.14 x 17.52 x 21.18	37.5 x 17.52 x 21.18	21.54 x 17.52 x 22.48	27.18 x 20.6 x 28.5
Net Weight:	16.4 kg (36 lb)	19.4 kg (42.5 lb)	21.6 kg (47.5 lb)	37.19 kg (82 lb)	34.9 kg (77 lb)	25.4 kg (56 lb)	36.8 kg (81 lb)

PRX710 10" Two-Way Multipurpose Self-Powered Sound Reinforcement System

Features:

- ▶ Maximum SPL Output 133 dB Peak
- ▶ 10" low-frequency driver for low-distortion and higher SPL
- ▶ 1.5" diameter next generation JBL neodymium compression driver
- ▶ 1500W (dual 750 watt) highly efficient Class-D amplifier
- ▶ Normal and Boost user selectable EQ presets
- ▶ DSP input section, crossover, dynamic limiting, component optimization, selectable system EQ
- ▶ Professional XLR-1/4" combination inputs, RCA inputs, and XLR loop-through
- ▶ Integrated 36 mm pole mount socket with angle down tilt
- ▶ Integrated 9 x M10 suspension points
- ▶ Lightweight poplar plywood cabinets made structurally sound with tongue and groove joints and protected by JBL's tour proven DuraFlex™ finish

Application:

- ▶ The PRX710 is the most compact and versatile speaker in the PRX700 Series. Designed to deliver maximum performance for its weight and size as a front of house main PA. Two user selectable EQ settings are provided to optimize the system for either application. With a single socket pole mount the PRX710 is a perfect match with a PRX715XLF subwoofer offering a high performance self-powered sub/sat system.
- ▶ The PRX710 is comprised of a 10" woofer, a 2408H-2, 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver mounted to a 100° by 60° horn, all driven by 1500 watt Class-D digital power amplifier. Sophisticated DSP is at the core of a fully featured input section, providing user selectable system EQ, protection, input sensitivity selection, cross-over functionality, dynamic limiting and discrete component optimization.
- ▶ All PRX700 cabinets are built from a combination of 25 mm (on the top and bottom for added rigidity) and 18 mm, strong, lightweight poplar plywood made structurally sound with tongue and groove joints. All PRX700 Series cabinets are protected by JBL's tour proven DuraFlex™ finish. Grilles are made from dent-resistant 16 gauge steel and handles are made from light-weight glass-filled nylon for added strength and durability. All M10 suspension points are constructed from 14 gauge steel and have been tested with a yield-strength of 1000 lbs. each.
- ▶ The amplifier input panel offers XLR or ¼ inch jack compatibility and a sensitivity switch provides extra flexibility, making it possible to connect literally any sound source without using a mixer. Signal present and limiter lights indicate the system status and assist in setting the optimum level via the level control knob.



Specifications:

System:

System Type:	Self Powered 10", two-way, bass-reflex
Maximum SPL Output:	133 dB peak
Frequency Range (-10 dB):	Normal: 50 Hz – 19.6 kHz Boost: 42.9 Hz – 20 kHz
Frequency Response (±3 dB):	Normal: 63.5 Hz – 18.5 kHz Boost: 53 Hz – 18.6 kHz
Input Connectors:	2 x Balanced XLR / 1/4 inch input, 2 x unbalanced RCA input
Input Impedance:	20K Ohms (balanced), 10K Ohms (unbalanced)
Signal Indicators:	Limit: Yellow LED indicates peak output has been reached and dsp limiter is acting Signal: Green LED indicates signal present Power/Standby: Blue indicates system has power and ready to pass audio, Red indicates system has power but is in a power saving mode and will not pass audio.
EQ:	User selectable presets for Normal and Boost
Dynamic Control (Input):	dbx Type IV™ limiter circuit
Crossover Frequency:	1.9 kHz

Amplifier:

Design:	Highly efficient Class-D amplifier
Power Rating:	1500W (750W x 2)
AC Power Input:	100V - 240V ~ 50/60 Hz

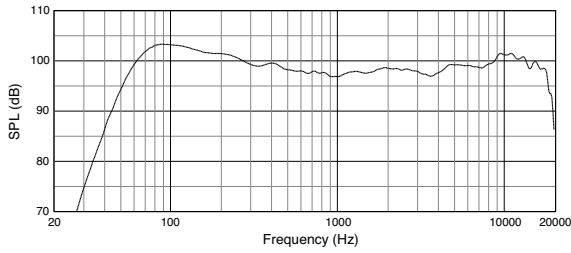
Speaker:

LF Driver:	1 x JBL M110-4 250 mm (10 in) woofer
HF Driver:	1 x JBL 2408H-2 37.5 mm (1.5") annular polymer diaphragm, neodymium compression driver
Coverage Pattern:	100° x 60° nominal
Directivity Index (DI):	9 dB
Directivity Factor (Q):	8
Enclosure:	Trapezoidal, 18 mm, plywood
Suspension / Mounting:	Single 36 mm pole socket, 8 x M10 Suspension Points, 1 x M10 pull back point
Transport:	1 x integrated handle with injection molded backing cup
Finish:	Obsidian DuraFlex™ finish
Grille:	Powder coated, Obsidian, 16 gauge perforated steel with acoustical transparent black cloth backing.
Dimensions (H x W x D):	498.7 mm x 335.6 mm x 322.3 mm (19.63 in x 13.21 in x 12.69 in)
Net Weight:	13.6 kg (30.0 lb)
Gross Weight:	16.4 kg (36.0 lb)

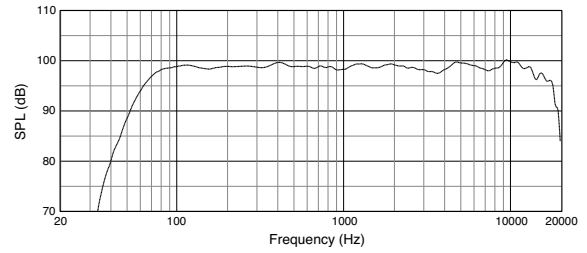
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

► PRX710 10" Two-Way Multipurpose Self-Powered Sound Reinforcement System

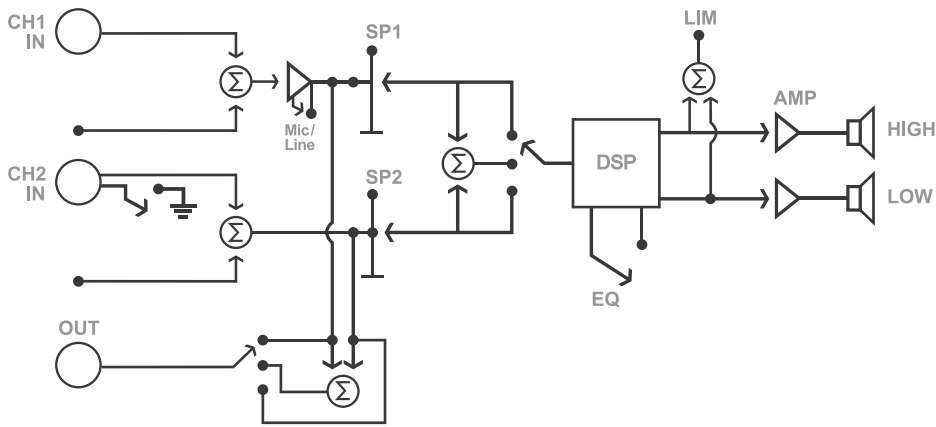
Frequency Response (Boost)



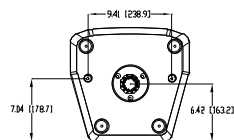
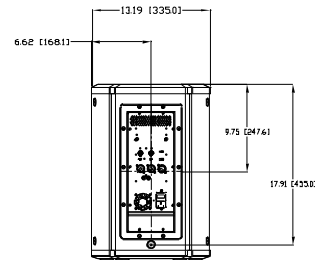
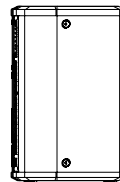
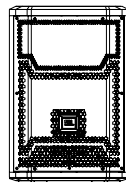
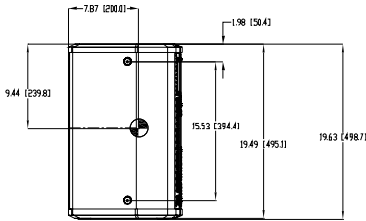
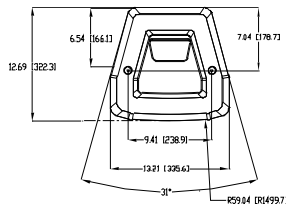
Frequency Response (Normal)



BLOCK DIAGRAM
PRX710



Dimensions



Dimensions in mm (in)



JBL Professional
8500 Balboa Boulevard, P.O. Box 2200
Northridge, California 91329 U.S.A.

© Copyright 2015 JBL Professional
www.jblpro.com

SS PRX710
CRP
03/15