

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 1/4 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.



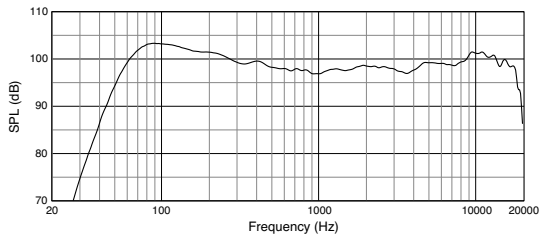
Specifications:

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)

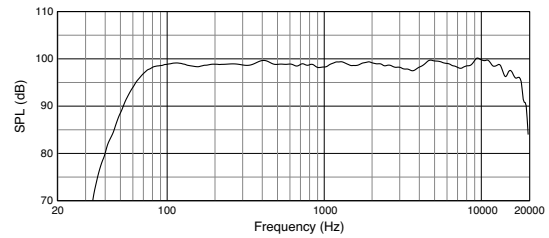
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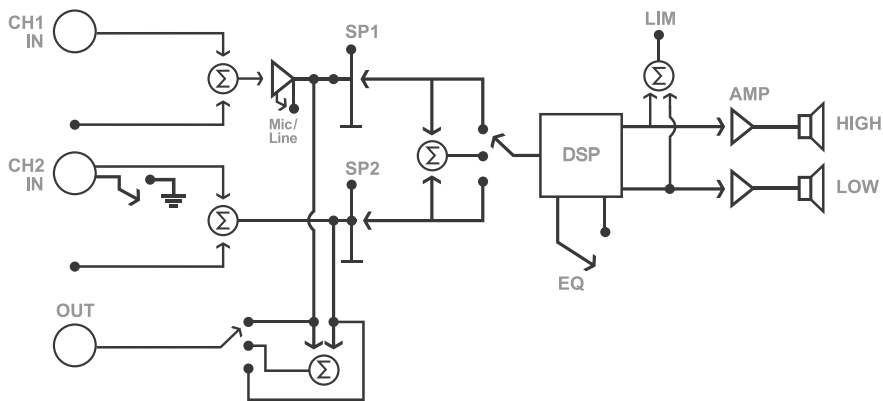
Frequency Response (Boost)



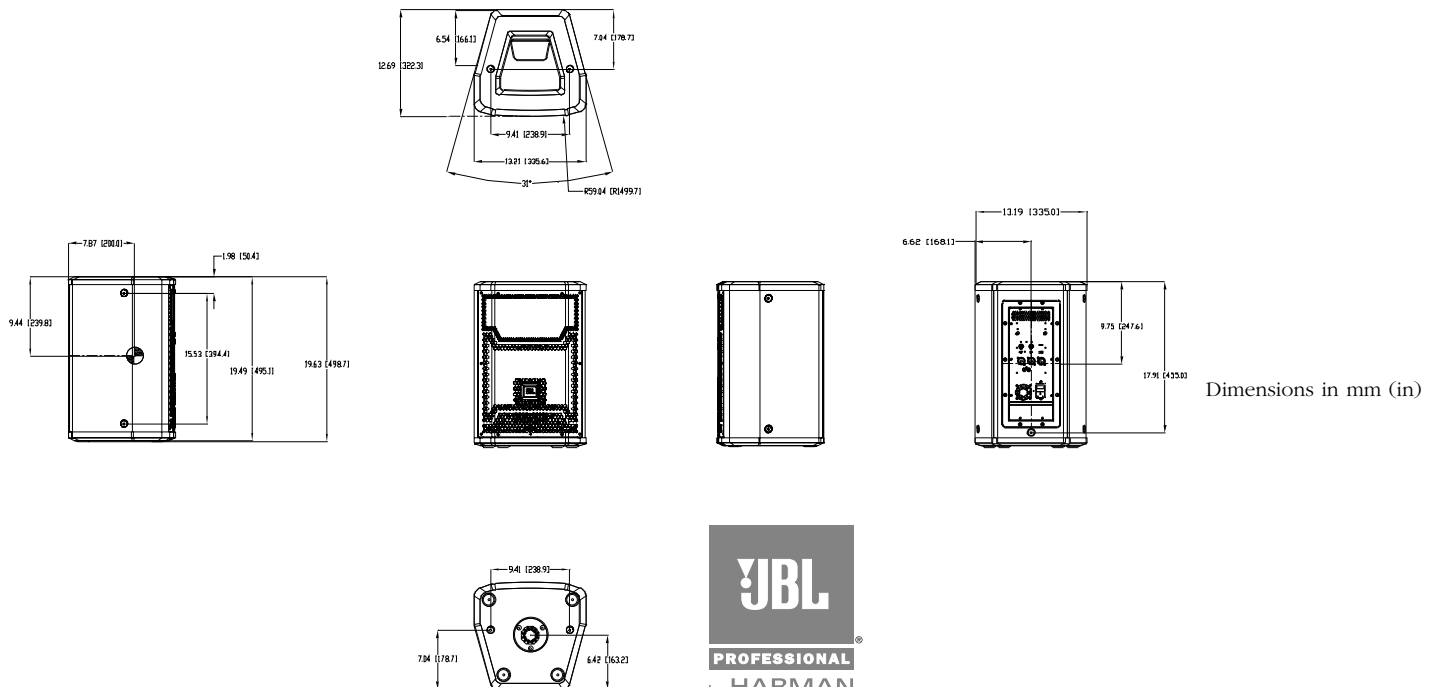
Frequency Response (Normal)



BLOCK DIAGRAM
PRX710



Dimensions



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