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

Features:
- Maximum SPL Output 135 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, 57.5 mm (2.25") 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, light-weight 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" jack compatibility and a sensitivity switch provides extra flexibility, making it possible to connect literally any source sound 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:

<table>
<thead>
<tr>
<th>System</th>
<th>System Type:</th>
<th>Self Powered 10&quot;, two-way, bass-reflex</th>
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<tbody>
<tr>
<td></td>
<td>Maximum SPL Output:</td>
<td>135 dB peak</td>
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<tr>
<td></td>
<td>Frequency Range (-10 dB):</td>
<td>Normal: 50 Hz – 19.0 kHz Boost: 42.9 Hz – 20 kHz</td>
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<td></td>
<td>Frequency Response (+3 dB):</td>
<td>Normal: 63.5 Hz – 18.5 kHz Boost: 53 Hz – 18.6 kHz</td>
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<td>Input Connectors:</td>
<td>2 x Balanced XLR / 1/4&quot; inch input, 2 x unbalanced RCA input</td>
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<tr>
<td></td>
<td>Input Impedance:</td>
<td>20K Ohms (balanced), 10K Ohms (unbalanced)</td>
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<td></td>
<td>Signal Indicators:</td>
<td>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.</td>
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<td>EQ:</td>
<td>User selectable presets for Normal and Boost</td>
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<td></td>
<td>Dynamic Control (Input):</td>
<td>dbx Type IV™ limiter circuit</td>
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<td>Crossover Frequency:</td>
<td>1.9 kHz</td>
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Amplifier:
- Design: Highly efficient Class-D amplifier
- Power Rating: 1500W (750W x 2)

Speaker:
- LF Driver: 1 x JBL M110-4 250 mm (10") woofer
- HF Driver: 1 x JBL 2408H-2 57.5 mm (2.25") annular polymer diaphragm, neodymium compression driver
- Coverage Pattern: 100° x 60° nominal
- Directivity Index (DB): 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 bunging cup
- 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 lbs)
- Gross Weight: 16.4 kg (36.0 lbs)

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.
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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.
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