



## PN • PNX SUBWOOFERS

SINGLE 12" & DUAL 12"  
SELF-POWERED & NON-POWERED  
SUBWOOFERS

### Uncompromising Performance Unequaled Versatility

The new self-powered PowerNet PN and non-powered PNX Series loudspeakers use advanced technology and application-driven engineering to bring live sound closer to the ultimate reference point: reality. Cutting edge driver technology and unique innovations such as our Complex Conic horns deliver natural sounding music and intelligible speech. Versatile enclosure designs, combined with a wide range of mounting options and associated hardware, provide unrestricted flexibility for both portable and installed applications. Wherever audiences and operators demand superior performance and ease of use, PN•PNX loudspeakers are the choice for transparent, reference quality performance.

- Applications**
- Virtually any application where the visceral impact obtainable only from high power subwoofers is required.
  - Multi-channel A/V playback systems, live sound and music systems in clubs and disco's, performing art centers, theaters, houses of worship, etc.
  - High quality speech and music systems, surround sound systems, board room systems, etc.
  - A/V rentals, portable sound systems for performing artists and lecturers, small bands, choral groups, etc.



### High Power, High Performance Woofers

The heavy duty woofers used in these subwoofers feature 3" edge-wound voice coils and massive "long throw" magnetic structures in a design that assures linear cone movement over a wide range of power levels.

### Custom Flexibility and Versatility

PN & PNX subwoofers are provided with all the options needed for both portable applications and for use in fixed installations.



### PN-I PowerNet Amplifier

The PN-I, the heart of PowerNet performance, is a new kind of intelligent electronics system. It combines low feedback Class A/B amplification and comprehensive signal processing into a single compact unit. Crossovers and parametric EQ are integrated into the signal path. Loudspeaker Specific Processing also senses when output levels are about to damage the system and limits them to safe levels. The optional R-Control remote control and supervision



system allows control of gain settings and monitoring of amplifier and loudspeaker performance from a central computer.

- **Powerful 12" Subwoofers**  
Provide high-impact (128 & 134 dB peak SPL on PNX models) sub-bass performance
- **PN112-SUB & PN212-SUB Self-Powered Subs**  
With integral class A/B power amplifier and loudspeaker specific signal processing and protection – can be easily upgraded at any time for R-Control computer supervision and control.
- **PNX112-SUB & PNX212-SUB Non-Powered Subs**  
Same high performance as the PowerNet PN112 SUB and PN212SUB only non-powered. Also available in weather resistant models.
- **High Power, High Performance Woofers**  
Long throw magnetic structures with dual channel air cooling.
- **Remote Supervision and Control Available**  
PN PowerNet models can be easily upgraded at any time for R-Control computer supervision and control.

## TECHNICAL SPECIFICATIONS

<p><b>INPUT SENSITIVITY:</b>  <b>PN112-SUB &amp; PN212-SUB:</b> 1.4 V (for rated power output)</p> <p><b>PNX112-SUB:</b> 96 dB (1 W/1m) @ 100 HZ  <b>PNX212-SUB:</b> 99 dB (1 W/1m) @ 100 HZ</p> <p><b>MAXIMUM SPL – PN112-SUB:</b> 123 dB program, 126 dB peak  <b>PNX112-SUB:</b> 125 dB program, 128 dB peak</p> <p><b>PN212-SUB:</b> 126 dB program, 129 dB peak  <b>PNX212-SUB:</b> 131 dB program, 134 dB peak</p> <p><b>FREQUENCY RESPONSE:</b> 40 Hz to 120 Hz</p> <p><b>LOW FREQUENCY DRIVERS:</b>  <b>PN112-SUB &amp; PNX112-SUB:</b> Model SSL12-10, 12" cone woofer; 800 W program @ 4 ohms</p> <p><b>PN212-SUB &amp; PNX212-SUB:</b> Dual model SSL12-11, 12" cone woofers; 800 W pgm @ 8 Ohms (1600 W total @ 4 Ohms)</p> <p><b>POWER – PNX112-SUB:</b>  <b>PNX212-SUB:</b> 800 Watts program @ 4 Ohms          1600 Watts program @ 4 Ohms</p>	<p><b>CONNECTORS:</b>  <b>PN112-SUB &amp; PN212-SUB:</b> Looping (female in/male out) XLR input connectors  <b>PNX112-SUB &amp; PNX212-SUB:</b> Neutrik 4-pin or screw terminals</p> <p><b>ENCLOSURE:</b> 13 ply hardwood, heavily braced with perforated metal grille</p> <p><b>FINISH:</b> Black or white paint, natural (unfinished) and custom colors          Weather resistant (PNX models only)</p> <p><b>HARDWARE:</b> Handles, pole socket, 1/4-20 universal mounting hardware</p> <p><b>DIMENSIONS (H x W x D):</b>  <b>PN112-SUB &amp; PNX112-SUB:</b> 20 1/2" x 15 1/2" x 22 1/2"          52.1 cm x 39.4 cm x 57.2 cm  <b>PN212-SUB &amp; PNX212-SUB:</b> 14 1/2" x 32" x 23 1/4"          36.8 cm x 81.3 cm x 59.1 cm</p> <p><b>NET WEIGHT – PN112-SUB:</b> 82 Lbs. (37.2 kg)  <b>PNX112-SUB:</b> 72 Lbs. (32.7 kg)  <b>PN212-SUB:</b> 113 Lbs. (51.3 kg)  <b>PNX212-SUB:</b> 103 Lbs. (46.7 kg)</p>
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### PN-I AMPLIFIER

<p><b>POWER RATING:</b> 300 Watts RMS @ 4 Ohms, 450 Watts Burst</p> <p><b>FREQUENCY RESPONSE:</b> +0.0, -.5 dB, 20 Hz to 20 kHz</p> <p><b>THD DISTORTION:</b> &lt; 0.02% typical  <b>HUM &amp; NOISE:</b> &lt;100 dB (A weighted)  <b>DAMPING:</b> &gt;100</p> <p><b>INPUT SENSITIVITY:</b> 1.4 V for RPO</p> <p><b>POWER CONNECTOR:</b> PowerCon locking connector</p> <p><b>POWER REQUIREMENTS:</b> 90 – 136 VAC or 180 – 260 VAC, 50/60 Hz          4 Amps @ 120 V, 2 Amps @ 240 V  <b>Idle Current:</b> 300 mA @ 120 V; 150 @ 240 V  <b>Max Inrush Current:</b> 10 Amps</p>	<p><b>ANALOG INPUT (STANDARD):</b> 10K Ohm balanced differential input  <b>Common Mode Rejection:</b> 74 dB</p> <p><b>Connectors:</b> Input; female XLR, Looping; male XLR (pin 1 chassis, pin 2 +, pin 3 signal)</p> <p><b>Controls:</b> Rotary Gain          Ground Lift Switch</p> <p><b>R-CONTROL CARD:</b> Computer Supervision &amp; Control of: Gain, Polarity, Mute, Input-Output VU Meters, Heatsink Temperature, Groups, Scenes, Error Logs, Alarms</p> <p><b>Input:</b> 2-pin Phoenix connector</p>
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Note: The PN-I amplifier also includes loudspeaker specific equalization and protection circuitry.

### Dimensional Information

