



RENKUS-HEINZ

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.

PN • PNX SUBWOOFERS

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



• 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.

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TECHNICAL SPECIFICATIONS

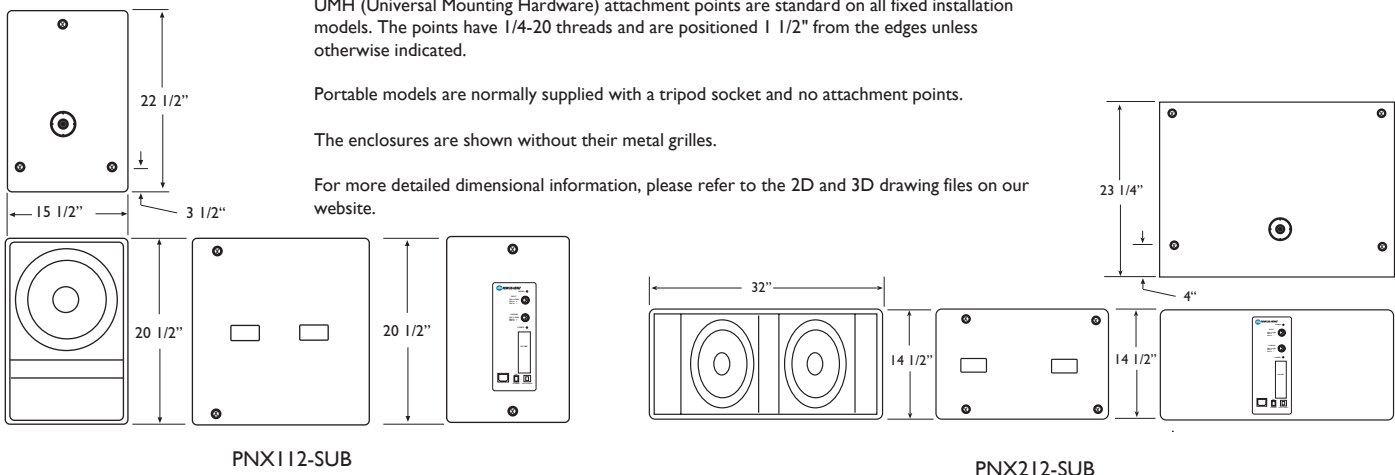
INPUT SENSITIVITY:		CONNECTORS:	
PN112-SUB & PN212-SUB:	1.4 V (for rated power output)	PN112-SUB & PN212-SUB:	Looping (female in/male out) XLR input connectors
PNX112-SUB:	96 dB (1 W/1m) @ 100 HZ	PNX112-SUB & PNX212-SUB:	Neutrik 4-pin or screw terminals
PNX212-SUB:	99 dB (1 W/1m) @ 100 HZ	ENCLOSURE: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

PN-I AMPLIFIER

POWER RATING:	300 Watts RMS @ 4 Ohms, 450 Watts Burst	ANALOG INPUT (STANDARD):	10K Ohm balanced differential input
FREQUENCY RESPONSE:	+0.0, -0.5 dB, 20 Hz to 20 kHz	Common Mode Rejection:	74 dB
THD DISTORTION:	< 0.02% typical	Connectors:	Input; female XLR, Looping; male XLR (pin 1 chassis, pin 2 +, pin 3 signal)
HUM & NOISE:	<100 dB (A weighted)	Controls:	Rotary Gain
DAMPING:	>100		Ground Lift Switch
INPUT SENSITIVITY:	1.4 V for RPO	R-CONTROL CARD:	Computer Supervision & Control of: Gain, Polarity, Mute, Input-Output VU Meters, Heatsink Temperature, Groups, Scenes, Error Logs, Alarms
POWER CONNECTOR:	PowerCon locking connector	Input:	2-pin Phoenix connector
POWER REQUIREMENTS:	90 – 136 VAC or 180 – 260 VAC, 50/60 Hz		
Idle Current:	300 mA @ 120 V; 150 @ 240 V		
Max Inrush Current:	10 Amps		

Note: The PN-I amplifier also includes loudspeaker specific equalization and protection circuitry.

Dimensional Information



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