



SUBWOOFERS

power
performance
reliability



RENKUS-HEINZ
ADVANCING SOUND. PROVIDING SOLUTIONS.

POWERFUL 12, 15 and 18 INCH SUBWOOFERS

SELF-POWERED & EXTERNALLY POWERED.
HIGH-POWER WOOFERS WITH LONG-THROW VOICE COILS.
COBRANET CONNECTIVITY OPTIONS.
R-CONTROL REMOTE CONTROL & SUPERVISION AVAILABLE.

RENKUS-HEINZ SUBWOOFERS

The product of 25 years experience in designing and producing high performance loudspeaker systems for professional sound reinforcement applications, Renkus-Heinz subwoofers deliver solid bass with high impact transient response. They have been designed to complement the outstanding performance of other Renkus-Heinz loudspeakers in any application that needs the visceral impact only high powered subs can provide.

All enclosures are built from 3/4 inch, 13-ply cross-laminate hardwood and are heavily braced to eliminate vibrations and resonances, and to endure the abuse they can receive in mobile applications. The woofers are designed specifically for high-power usage and feature massive magnet structures and large diameter voice coils in "long-throw" configurations that assure linear cone movement even at high output levels.

BOTH SELF-POWERED AND EXTERNALLY-POWERED MODELS AVAILABLE

When you need unobtrusive distributed sound with centralized power and processing racks, BPS, PNX and DRS Series subwoofers deliver professional output levels and reliability. For other applications, self-powered BP, PN and DR models offer convenience and flexibility without any sacrifice of performance or reliability.



The PN-1 PowerNet amplifier module used in the compact 12 inch PN Series subwoofer combines low feedback Class A/B amplification with comprehensive signal processing and protection circuitry that senses when output levels are about to damage the system.

An optional R-Control module allows remote control of gain settings and remote supervision of amplifier and loudspeaker performance from a central computer.



15 and 18 inch BP and DR series subwoofers feature the 1200 Watt PM-1L and 2400 Watt PM-2L power modules. Both modules combine Class D digital amplification and comprehensive loudspeaker management into a single compact unit. Loudspeaker Specific Processing senses when output current or voltage are about to damage the system and limits them to safe levels. Crossover, subsonic filters and parametric EQ integrate the electronics with the transducers to deliver maximum performance and reliability.

R-CONTROL REMOTE SYSTEM SUPERVISION



R-Control, an optional feature on all self-powered Renkus-Heinz subwoofers, allows gain control and monitoring of amplifier and loudspeaker performance from a central computer.

Based on Echelon's LonWorks protocol (ANSI-EIA Standard 790.1) and programmed in Microsoft Visual Basic, R-Control is a powerful tool for the remote management of both installed and portable systems. Event Scheduler, Fault Logging, Operator Alerts for critical conditions, Scene Store and Recall and more make it easy and convenient to manage large complex systems.

COBRANET DIGITAL AUDIO NETWORK CONNECTIVITY



The PM-1L and PM-2L amplifiers integral to the BP and DR Series subwoofers can be easily connected to a

CobraNet Digital Audio Network using the optional CobraNet Input Module. It selects from up to 64 channels of digital audio delivered from CAT 5 copper or fiber optic cable and delivers 6 analog outputs.



PN series subwoofers can also be connected to a CobraNet Digital Audio Network using the Renkus-Heinz CobraNet Breakout Box shown here.

With CobraNet, Renkus-Heinz self powered subwoofers are fully compatible with dozens of CobraNet products from over 25 major pro audio manufacturers.

SIX YEAR WARRANTY

Thorough attention to the design of rugged components, careful attention to the details of enclosure construction and comprehensive electronic protection enable us to offer a six year warranty on all Renkus Heinz subwoofers.

SINGLE 12' AND DUAL 12" SUBWOOFERS



PN112-SUB

These compact 12" subwoofers are available in both self-powered (PN) and externally powered (PNX) models. They deliver an astonishing amount of punch for their size along with an authoritative bottom. They are easy to hide and can also function as stand bases thanks to their built-in pole sockets.

The PN112-SUB and PN212-SUB include integral Class A/B power amplification with loudspeaker specific processing and protection. The PN-1 amplifier module can be easily upgraded at any time for R-Control computer supervision and control.



PN212-SUB

MODEL	FREQ (Hz)	SPL RATING (prog / peak)	WxHxD (inches / centimeters)	WEIGHT (Lbs. / kg)	POWER / SENSITIVITY
PNX112-SUB	40 TO 120	123 / 126	5.5 x 20.5 x 22.5 / 52.1 x 39.4 x 57.2	72 / 32.7	800 W Pgm @ 8 Ohms
PNX212-SUB	40 TO 120	131 / 134	32 x 14.5 x 23.25 / 36.8 x 81.3 x 59.1	103 / 46.7	1600 W Pgm @ 4 Ohms
PN112-SUB	40 TO 120	125 / 128	15.5 x 20.5 x 22.5 / 52.1 x 39.4 x 57.2	82 / 37.2	115/230VAC 50/60 Hz 14V Input for RPO
PN212-SUB	40 TO 120	126 / 129	32 x 14.5 x 23.25 / 36.8 x 81.3 x 59.1	113 / 51.3	115/230VAC 50/60 Hz 14V Input for RPO

12" AND 15" BANDPASS SUBWOOFERS

These 12" and 15" subwoofers feature a high efficiency 7th order bandpass design that provides efficient loading for the high-power woofers in compact enclosures and minimizes over-excitation problems. The result is tight, high definition bass with excellent transient response.

The BP15-2 is powered by the PM-2L Class D digital amplifier that combines amplification, crossovers, parametric EQ and protection into a single compact unit. Network connectivity is provided by an optional CobraNet digital input module that selects from 64 Channels of digital audio and provides up to 6 analog outputs. Another option, R-Control remote control and supervision, allows gain control and monitoring of amplifier and loudspeaker performance from a central computer.



BPS15-2



BPS12-1

MODEL	FREQ (Hz)	SPL RATING (prog / peak)	WxHxD (inches / centimeters)	WEIGHT (Lbs. / kg)	POWER / SENSITIVITY
BPS12-1	35 TO 100	123 / 126	14.25 x 26.5 x 18 / 36.2 x 67.3 x 45.7	74 / 33.6	700 W Pgm @ 8 Ohms
BPS12-2	35 TO 100	129 / 132	14.5 x 32 x 24 / 36.8 x 81.3 x 61	120 / 55.3	1400 W Pgm @ 4 Ohms
BPS15-1K	35 TO 250	127 / 130	18 x 30 x 22.5 / 45.7 x 76.2 x 57.2	95 / 43.8	800 W Pgm @ 8 Ohms
BPS15-2K	35 TO 250	133 / 136	21.25 x 42.5 x 32 / 54 x 108 x 81.3	192 / 88.5	1600 W Pgm @ 4 Ohms
BPS15-2	35 TO 250	133 / 135	21.25 x 42.5 x 32 / 54 x 108 x 81.3	221 / 100	115/230VAC 50/60 Hz 14V Input for RPO

SINGLE 18" AND DUAL 18" SUBWOOFERS

DR and DRS 18" subwoofers combine cutting edge high-power woofers and large rock-solid enclosures in a classic direct radiating design that delivers the smooth, natural sub bass favored by audio professionals around the world.

The 1200 Watt PM-1L and 2400 Watt PM-2L power modules used in the DR18-1 and DR18-2 combine Class D digital amplification and comprehensive loudspeaker management and protection into a single compact unit with CobraNet connectivity and R-Control remote loudspeaker management options.



DR18-2

MODEL	FREQ (Hz)	SPL RATING (prog / peak)	WxHxD (inches / centimeters)	WEIGHT (Lbs. / kg)	POWER / SENSITIVITY
DRS18-1B	32 TO 120	127 / 130	21 x 32.5 x 32 / 53.3 x 82.6 x 81.3	140 / 63.5	800 W Pgm @ 8 Ohms
DRS18-2B	32 TO 120	133 / 136	48 x 24 x 24 / 121.9 x 61 x 61	185 / 68.4	1600 W Pgm @ 4 Ohms
DR18-1	32 TO 120	127 / 128.5	21 x 32.5 x 32 / 53.3 x 82.6 x 81.3	178 / 81	115/230VAC 50/60 Hz 14V Input for RPO
DR18-2	32 TO 120	133 / 135	48 x 24 x 24 / 121.9 x 61 x 61	204 / 92.5	115/230VAC 50/60 Hz 14V Input for RPO



Working together, there's no problem we can't solve, no schedule we can't meet, no project we can't take to a higher level of excellence, from the White House to the Olympic SuperDome, from corner churches to major metropolitan concert halls. Much as we love technology, our greatest satisfaction comes through helping people communicate through music, dance, theater, or the power of a new idea brilliantly expressed. When we make those kinds of connections, there's nothing more exciting – or more powerful.

Here are some of the unique technologies we use to help people communicate:



Patented CoEntrant Topology integrates midrange and high frequency drivers into wideband point sources.



System Specific Electronics integrate pre-configured signal processing and protection with high performance amplifiers.



Complex Conic Topology, the first new approach to horn design in decades, has proven its superior performance worldwide.



The R-Control Remote System Supervision Network is based on Echelon's LonWorks® protocol (ANSI/EIA 709.1).



TRAP (TRue Array Principle) design aligns acoustic centers so loudspeaker clusters produce coherent output.



PowerNet Series loudspeakers incorporate System Specific Electronics and can be upgraded for R-Control remote operation.



Reference Point Array engineering optimizes the entire signal chain from line level to listener for unprecedented performance.



EASE, EASE JR and EARS are the industry standard modeling programs for acoustic environments and sound system performance.



CobraNet routes 64 channels of 20-bit digital audio over CAT 5 copper or fiber optic cable using Ethernet protocols.

For more information on the latest integrated sound reinforcement innovations from R-H Engineering, visit us on our website. www.renkus-heinz.com.



RENKUS-HEINZ
ADVANCING SOUND. PROVIDING SOLUTIONS.

19201 Cook Street, Foothill Ranch, CA 92610, USA. Phone 949-588-9997, Fax 949-588-9514

Ellakrogsvagen 1, 18733 Täby, Sweden. Phone +46 8 544 72588, Fax +46 8 544 72589

www.renkus-heinz.com e-mail: sales@renkus-heinz.com