



RENKUS-HEINZ



SR82K Series

COMPLEX CONIC Loudspeakers



FULL RANGE, HIGH-LEVEL 2-WAY SYSTEMS

60 Hz to 18 kHz performance; 124 dB output SPL from miniaturized 2-way loudspeaker systems

EXCLUSIVE COMPLEX CONIC DESIGN

Complex conic horns provide superior pattern control with low distortion

1" HIGH FREQUENCY DRIVER

provide smooth, low distortion high frequency performance out to 18 kHz

DUAL HEAVY-DUTY 8" WOOFERS

with 3" voice coils and carbon fiber cones easily handle 700 Watts; provide solid bass down to 60 Hz

CUSTOM FLEXIBILITY AND VERSATILITY

Choice of coverage patterns, dual-trapezoidal construction, numerous options offer unprecedented versatility

OPTIONAL CONTROLLERS

provide response equalization and overload protection

Full Range, High Performance 2-Way Systems

The SR82K series offers outstanding full-range, 60 to 18 kHz performance from surprisingly small 2-way loudspeaker systems. The SR82/9K and SR82/12K include a built-in crossover. Both feature Renkus-Heinz Complex Conic horns, a 1" high performance high frequency driver and dual heavy-duty 8" woofers with 3" voice coils and a 350 Watt program power rating. The loudspeakers easily handle 700 Watts of power and deliver clean, undistorted output SPL levels of 124 dB or more. The /9 models offer 90° H by 60° V coverage; the /12 models features a wide-angle 120° H by 60° V pattern.

Exclusive Complex Conic Design

Complex Conic horn technology combines the best features of constant beamwidth (also called constant directivity) and oval horn designs into a complex conical waveguide that provides superior pattern control, especially at the higher frequencies. It completely eliminates "pattern flip", a phenomenon of constant beamwidth horns that reverses the dispersion characteristics at some frequency. The smooth contours of the complex conic waveguide also reduce high frequency "feathering" and the accompanying distortion. The result is lower distortion, reduced high frequency coloration and a far more natural sound than any prior horn technology.

Custom Flexibility And Versatility

Both the SR82/9K and SR82/12K include a built-in passive crossover. This eliminates the need for bi-amplification and reduces system cost. The dual trapezoidal design of these loudspeakers allows them to be easily arrayed in either a "tight pack" configuration or in wide angle arrays. Their Complex Conic horns can also be easily turned 90° within the cabinet to allow horizontal cabinet mounting. Both loudspeakers are available for either portable use or for use in fixed installations and in a choice of finishes. Portable models are supplied with handles, a tripod socket and Neutrik connectors. Fixed installation models are normally provided with screw terminals and a unique 12-point mounting system. Other choices include an Omnimount Series 100 nut-plate, side mounted Aeroquip fly track and a U bracket. Finish choices include black carpet, black or white paint and natural (unfinished) to allow customizing in the field. Custom colors and weather resistant models are also available as added cost options.

Advanced Controllers

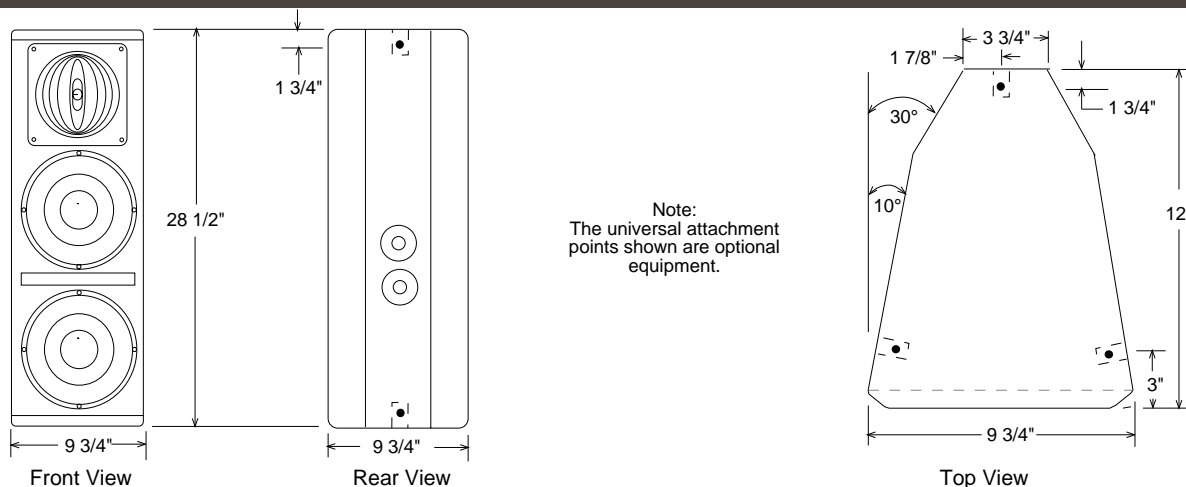
The controllers used with these loudspeakers feature new protective circuitry that prevents overload damage without introducing distortion into the system or upsetting the system balance.

TECHNICAL SPECIFICATIONS

All specifications are with associated controller

SENSITIVITY:	96 dB (1w/1m)	CROSSOVER POINT:	1200 Hz
MAXIMUM SPL:		ENCLOSURE MATERIALS:	Multi-ply hardwood with perforated metal grille
SR82/9K:	125 dB program, 128 dB peak	CONNECTORS:	Neutrik NL4MPR or screw terminals
SR82/12K:	124 dB program, 127 dB peak	FINISH OPTIONS:	Black carpet Black or white paint Natural (unfinished) (add suffix N) Weather resistant (add suffix WR)
DISPERSION:		HARDWARE OPTIONS:	Tripod socket and handles 12-point 1/4-20 universal mtg. hdw. Omnimount Series 100 nut-plate Aeroquip fly track, U bracket
SR82/9K:	90° H by 60° V	DIMENSIONS:	28 1/2" H x 9 3/4" W x 12" D (72.4 cm x 24.8 cm x 30.5 cm)
SR82/12K:	120° H by 60° V	NET WEIGHT:	40 Lbs (18.1 Kg) net
FREQUENCY RESPONSE:	60 Hz to 18 kHz		
HIGH FREQUENCY DRIVER:	1" SSD1803-8 HF driver, 80 W Prog. @ 8 Ohms, 40W RMS		
LOW FREQUENCY DRIVERS:	Dual SSL8-4 8" woofers; 3" VC, carbon fiber cone; 700 W total pgm power @ 4 Ohms, 350 W RMS (total)		
Power Rating:	700 Watts @ 4 Ohms		

DIMENSIONAL INFORMATION



ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be a Renkus-Heinz () or approved equal full-range, 2-way loudspeaker system utilizing Complex Conic horn technology. Loudspeakers having conventional constant beamwidth or oval horns will not be considered equal.

The loudspeaker system shall consist of dual heavy duty 8" woofers and an extended range 1" HF driver coupled to a single complex conic, high frequency horn. The 8" woofers shall have a 3" VC, carbon fiber cone and 350 Watt program power rating (700 Watts total). High frequency power handling capacity shall be no less than 80 Watts program @ 8 Ohms

The loudspeaker shall provide closely controlled (90°) (120°) horizontal dispersion and 60° vertical coverage. Sensitivity shall be no less than 96 dB @ 1w,1m with a maximum SPL of at least () dB. The frequency response shall be 60 Hz to 18 kHz.

The enclosure shall be "dual-trapezoidal" in shape and constructed from multi-ply hardwood. The finish shall be (black carpet) (black paint) (white paint) (natural) (weather resistant). The loudspeaker shall be equipped with (4-pin Neutrik connectors) (screw terminals).

The loudspeaker shall be no larger than 28 1/2" high, 9 3/4" wide and 12" deep. It shall weigh no more than 40 Lbs. A matching perforated metal grille shall be included.

The enclosure shall be equipped with (universal mounting hardware providing a minimum of twelve 1/4-20 attachment point) (Side mounted Aeroquip fly track) (a nut-plate for Omnimount Series 100 mounting hardware) (a U bracket)

The loudspeaker shall include a built-in crossover having a 700 watt at 4 ohm power rating.



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