



RENKUS-HEINZ



SR7K Series

3-Way COENTRANT/COMPLEX CONIC Loudspeakers



Full Range, High Performance 3-Way Systems

The SR7K series offers outstanding full-range, 40 Hz to 18 kHz performance in surprisingly compact 3-way loudspeaker systems. Unmatched mid/high frequency performance is achieved with the patented CDT-1K CoEntrant driver and unique Complex Conic waveguides. Lows are provided by a heavy-duty 15" woofer with a 4" voice coil for maximum power handling and low distortion. A built-in mid/high crossover provides for bi-amp operation.

Full Passive Models Available

Both the SR7/6K and SR7/9K are also available in PS models that include a passive mid/high to low frequency crossover network to eliminate the need for bi-amping.

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 frequencies. 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 that provided by any prior horn technology.

3-WAY 15" SYSTEMS

offer full range 40 Hz to 18 kHz performance and 128 dB output SPL

COENTRANT MID/HIGH DRIVER (U.S. Pat. 5,526,456)

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

EXCLUSIVE COMPLEX CONIC DESIGN

Complex Conic horns provide superior pattern control with low distortion

HEAVY-DUTY 15" WOOFER

with a 4" voice coil and heavy-duty fiber cone handles 800 watts; provides solid bass down to 40 Hz

CUSTOM FLEXIBILITY AND VERSATILITY

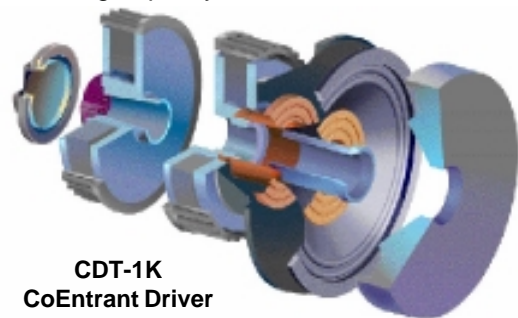
Choice of coverage patterns, dual-trapezoidal construction, numerous options offer unprecedented versatility

OPTIONAL CONTROLLERS

provide crossover, response and phase equalization and overload protection

Patented CoEntrant Mid/High Driver

The advanced new CDT-1K CoEntrant mid/high driver used in the SR7K Series provides the equivalent output of an 8" mid range and a 1" HF driver. Mounted to a 2" Complex Conic horn, the result is true point source performance from 600 Hz to 18 kHz with a 300 watt power handling capacity.



CDT-1K
CoEntrant Driver

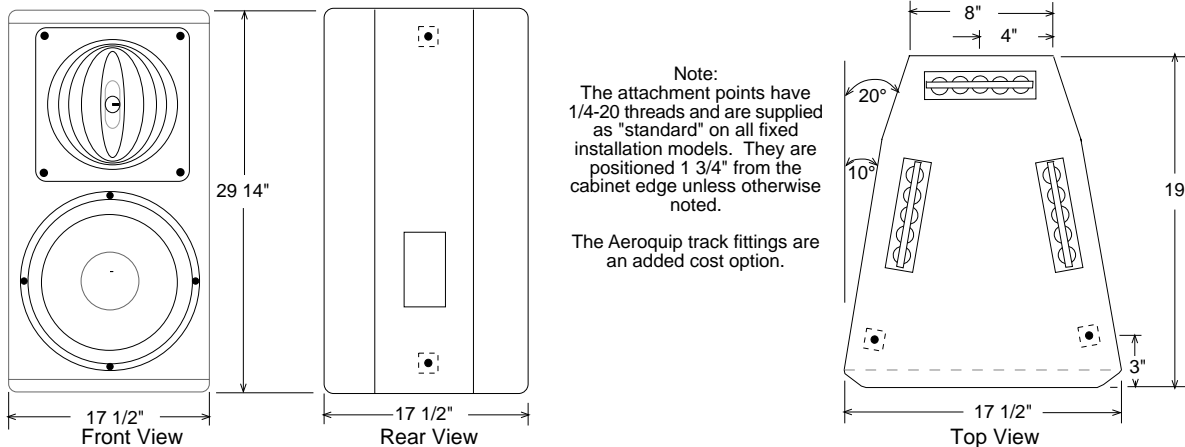
Custom Flexibility And Versatility

The 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 fixed installations. Portable models are supplied with handles, a tripod socket and Neutrik connectors. Installation models are provided with screw terminals and a choice of mounting systems. Finish choices include black or white paint, black carpet, natural (unfinished), custom colors and weather resistant.

TECHNICAL SPECIFICATIONS
All specifications are with associated controller

SENSITIVITY:	100 dB (1w/1m)	ENCLOSURE MATERIALS:	Multi-ply hardwood with perforated metal grille
MAXIMUM SPL:		CONNECTOR OPTIONS:	Neutrik NL4MPR or screw terminals
SR7/6K:	128 dB program, 131 dB peak	FINISH OPTIONS:	Black carpet, black or white paint, Natural (unfinished)
SR7/9K:	127 dB program, 130 dB peak		Weather resistant (add suffix WR)
DISPERSION:		HARDWARE OPTIONS:	Tripod socket, Handles, 12-point 1/4-20 univ. mtg. hdw, Aeroquip fly track, top & bottom mounted
SR7/6K:	60° H by 40° V	DIMENSIONS:	29 1/4" H x 17 1/2" W x 19" D (74.3 cm x 44.5 cm x 48.3 cm)
SR7/9K:	90° H by 40° V	NET WEIGHT:	81 Lbs (36.7 Kg) net
FREQUENCY RESPONSE:	40 Hz to 18 kHz	ASSOC. CONTROLLERS:	X series controllers, D26 Digital controller C series controller modules
MID/HIGH DRIVER:	CDT-1 CoEntrant w/2" throat, 1" HF & 8" mids; 300 W pgm into 8 Ohms, 150 W RMS. Mid/high passive crossover included.		
LOW FREQUENCY DRIVER:	SSL15-6K 15" woofer; 4" VC, weather resistant treated paper cone. 800 W pgm @ 8 ohms, 400 W RMS		
CROSSOVER POINTS:	600 & 1500 Hz		

DIMENSIONAL INFORMATION



ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be a Renkus-Heinz (SR7/6K) (SR7/9K) or approved equal full-range, 3-way loudspeaker system utilizing Complex Conic Horn Technology. Loudspeakers having conventional constant beamwidth or conical horns will not be considered equal.

The loudspeaker system shall consist of a heavy duty 15" woofer and a CoEntrant mid/high driver coupled to a single complex conic horn. The 15" woofer shall have a 4" VC, heavy-duty fiber cone and 800 Watt power rating. The mid/high driver shall include a 1" HF driver and 8" weather resistant treated paper cone mid frequency driver having a 300 Watt at 8 Ohms program power rating. It shall include a built-in mid/high crossover network

The loudspeaker shall provide closely controlled (60°) (90°) horizontal dispersion and 40° vertical coverage. Sensitivity shall be no less than 98 dB @ 1w, 1m with a maximum program SPL of at least () dB.

The frequency response shall be 40 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). Connectors shall be (4-pin Neutrik)(screw terminals). The loudspeaker shall be no larger than 29 1/4" high, 17 1/2" wide and 19" deep. It shall weigh no more than 81 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 points) (top and bottom mounted Aeroquip fly track).

(The speaker system shall be designed for use with an associated controller (module), Renkus-Heinz () or approved equal. The controller (module) shall provide fixed 4th order, 24 dB per octave crossovers, parametric equalizers for loudspeaker response smoothing and complete protection from overload damage.)

