RENKUS-HEINZ

TA/TX Series

TX82 Non-Powered

TA82-RD RHAON & Dante Redundant

2 x 8" LF + 1" HF Two-way, Complex Conic Loudspeaker

Superb Performance, Built-to-Order

Drawing from years of experience and industry leading technologies like Complex Conic waveguides, TA/TX loudspeakers are designed to meet the needs of today's Installed-AV professionals, with a broad range of systems to provide effective solutions for every sound reinforcement challenge at competitive price points.

The new T Series loudspeakers incorporate the newest generation of Complex Conic horns, with the latest drivers to provide clean, natural sound and tight pattern control. Unlike conventional loud-speaker designs, Complex Conic horns provide consistent beam-width over a wider frequency range, with the natural, transparent sound that Renkus-Heinz is known for.

Made in the USA and fully customizable with the options you've come to expect from Renkus-Heinz including multiple horn dispersions, mounting and mobile options, custom color and weather resistance.

Applications

- The TX/TA82 is a compact, dual-8" Complex Conic loudspeaker perfect for any application where small size, consistent directivity and great sonic performance are required.
- Main loudspeaker in small systems
- Side fill or under balcony applications in House of Worship or auditoriums
- Foreground music systems
- High quality distributed sound systems

Compact Design, Sizable Performance

The TX/TA82 was developed for applications needing consistent directivity and great sonics from a compact cabinet. Dual woofers provide additional output and tighter vertical pattern control

It features a 1.4" voice coil high frequency compression driver with a 1" throat coupled to a Complex Conic horn. The patented Complex Conic horn eliminates high frequency beaming and provides wide angle coverage out to 20 kHz and beyond. The high-efficiency 6" woofers produce a strong low end. Together these deliver a surprisingly high 129 dB peak output level from 90 Hz to 20 kHz.

Designed In Flexibility

Twelve M6 Universal Mounting Points and 10 mm u-bracket mounting plates make installation easy and clean. The Complex Conic horn is field rotatable allowing the installer the flexibility of installing the loudspeaker either vertically or horizontally while maintaining the dispersion necessary for the project.

The TX/TA82 and it's (optional) matching U-Bracket are available in either white or black paint allowing them to bend into most environments.

Available externally powered or with built-in amplification which includes RHAON II networking, monitoring and control, and Dante digital audio, the TX/TA82 brings new levels of versatility to compact loudspeakers.

- **Complex Conic Horn**

  Consistent directivity, superior sonics and field rotatable.
- **Surprising Power**

  90 Hz to 20 kHz response and 129 dB, peak SPL.
- **Build-to-Order Flexibility**

  Horn dispersion and rotation options, custom color and IP55 Weather Resistant finishes are available.
- **Optional U-Bracket Mount**

  Allows easy horizontal mounting and aiming.
- **Available SA625 Amplifier**

  SA625 amplifier offers high output, full protection limiting, analog, and optional AES and Dante inputs.

© 2026 Renkus-Heinz, Inc. reserves the right to change any product specification without prior notification.

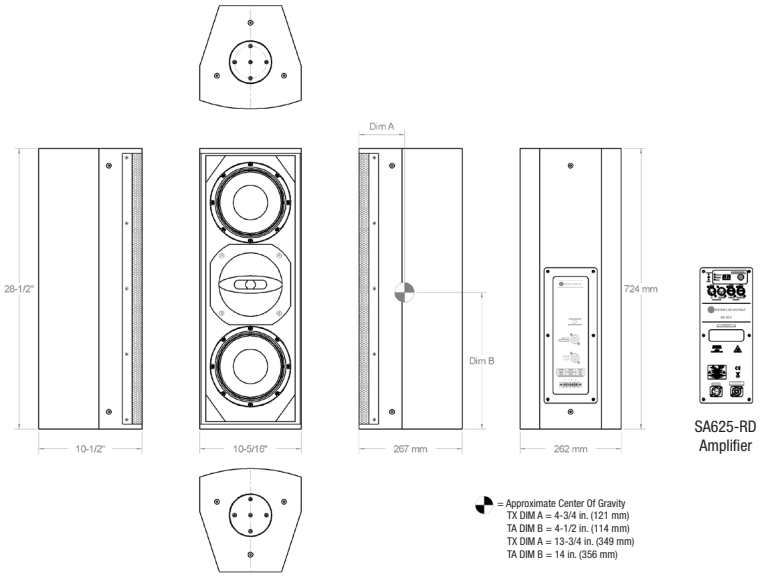
TA/TX82 Specifications

	TX82	TA82-RD
Connectors:	2 x Speakon® NL4 Four-place terminal strip, all paralleled	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary
Sensitivity:	99 dB (1W/1m)	1.0 volt for rated output, analog
Power Handling:	Passive: 250 W AES @ 8 ohms, Bi-amp: 250 W AES @ 8 ohms, LF 20 W AES @ 16 ohms, HF	See SA625 amplifier specs below
Crossover Frequency:	2.2 kHz, passive, bi-amp selectable	2.2 kHz active electronic
Max. SPL:	129 dB, (peak, whole space)	129 dB (peak, whole space)
Frequency Response:	90 Hz to 20 kHz (+/- 3dB)	
Dispersion	120° horizontal x 60° vertical or 90° horizontal x 60° vertical, Rotatable Complex Conic Horn	
Enclosure:	11 ply plywood	
Grille:	16 GA powder-coated, plated steel	
Transducers:	Woofer: 2 x SSL8-20; High Frequency Driver: SSD1445-16; Replacement HF Diaphragm CD1445-16	
Finish:	Black (RAL9011) or White (RAL9010) paint. Custom color matching and IP55 WR Treatment optional.	
Mounting:	12 x M6 UMH points; 2 x M10 u-bracket nutplate. Optional: UBRKT/CT82B (black), UBRKT/CT82W (white), UBRKT/CT82CC (Custom Color)	
Dimensions:	10-5/16" w x 28-1/2" h x 10-1/2" d 262 mm w x 724 mm h x 267 mm d	
Weight:	34 lbs/15.4 kg	

SA625 Amplifier Specifications

	SA625-RD
Audio Connections:	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Dante Primary & Secondary Ethernet
Latency:	6.25 ms Analog & AES 6.25 ms + Dante transport latency
User DSP:	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.
Software:	RHAON II and Dante Controller
Max. Input Level:	+22 dBu, Analog, 0 dBFS digital
Network Connections:	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON (Note: Dante and RHAON share a single or redundant Ethernet network.)
Power Output:	LF= 500 watts, @ 8 ohms / HF = 125 watts @ 16 ohms. Multi-band peak and thermal limiting on both channels protects the drivers.
Mains Voltage:	100-240 volts, 50/60 Hz auto-switching
Power Consumption:	Idle: 200 mW. 1/8 power: 120 W (onset of limiting) 1/3 power: 240 W (hard limiting)
Power Connector:	Neutrik powerCON TRUE-1
Temperature Limits	Max.: 140º F/60º C, with no direct sun exposure; Min.: -22º F/-30º C; leave unit on to keep interior warm below 32º F/0º C.

Note: All analog inputs and outputs comply with AES Standard 48-2005 on interconnecting, grounding and shielding.



SA625-RD
Amplifier

RENKUS-HEINZ

Renkus-Heinz, Inc., 19201 Cook Street, Foothill Ranch, TA 92820-3501, USA
Tel: +1 949-588-9997 • Fax: +1 949-588-9514
sales@renkus-heinz.com • www.renkus-heinz.com

RH 855 R4 SEPT 2026