RENKUS-HEINZ

TA/TX Series

TX121	**Non-Powered**
TA121-A	**Powered, Analog**
TA121-RN	**RHAON Empowered**
TA121-RD1	**RHAON & Dante**
TA121-RD	**RHAON & Dante Redundant**

12" LF + 1" HF Two-way, Complex Conic Loudspeaker

- **Complex Conic Horn**

  Consistent directivity, superior sonics and field rotatable. Large size insures consistent directivity through the crossover.

- **High Power & Strong Bass**

  60 Hz to 20 kHz response and 128 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 SA1250 Amplifier**

  SA1250 amplifier offers high output, full protection limiting, analog, and optional AES and Dante inputs.

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/TA121 is a 12" Complex Conic loudspeaker perfect for any application where, consistent directivity and great sonic performance are required.
- Main loudspeaker in HOW, Auditorium or club applications.
- Large, high quality distributed systems in stadiums, gyms or arenas.
- Side fill or delays in larger, performance systems
- Monitoring and fold back applications for large platforms or stages

Appealing Design, Sizable Performance

The TX/TA121 was developed for applications needing consistent directivity and great sonics from an attractive loudspeaker—at an attractive price.

It features a 1.75" voice coil high frequency compression driver with a 1" throat coupled to a large 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 12" woofer produces a very strong low end. Together these deliver a surprisingly high 128 dB peak output level from 60 Hz to 20 kHz.

Designed In Flexibility

Twelve M10 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/TA121 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 four flavors of built-in amplification; RHAON II networking, monitoring and control, and Dante digital audio, the TX/TA121 brings new levels of versatility to compact loudspeakers.

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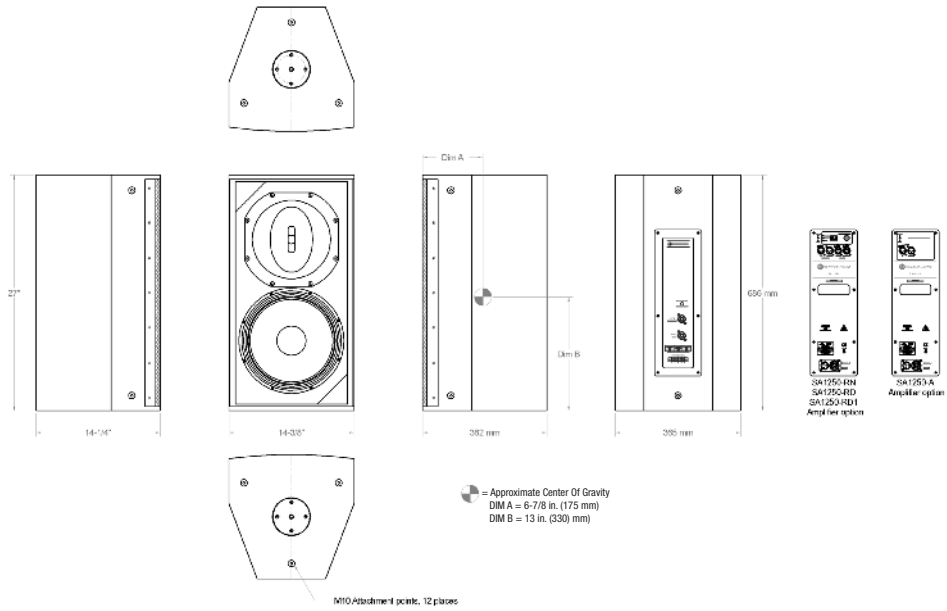
TA/TX121 Specifications

	TX121	TA121-A	TA121-RN	TA121-RD1 & RD
Connectors:	2 x Speakon® NL4 Four-place terminal strip, all paralleled	2 x XLR-3, In & Loop-out	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary	
Sensitivity:	97 dB (1W/1m)	1.0 volt for rated output, analog		
Power Handling:	Passive: 350 W AES @ 8 ohms, Bi-amp: 350 W AES @ 8 ohms, LF 60 W AES @ 8 ohms, HF	See SA1250 amplifier specs below		
Crossover Frequency:	1.6 kHz, passive, bi-amp selectable	1.6 kHz active electronic		
Max. SPL:	128 dB (peak, whole space)	127 dB (peak, whole space)		
Weight:	45 lbs./20.4 kg			
Frequency Response:	60 Hz to 20 kHz (+/- 3dB)			
Dispersion	90° horizontal x 40° vertical or 60° horizontal x 40° vertical, Rotatable Complex Conic Horn			
Enclosure:	11 ply birch plywood			
Grille:	16 GA powder-coated, plated steel			
Transducers:	Woofer: SSL12-26; High Frequency Driver: SSD1747-8; Replacement HF Diaphragm CD1747-8			
Finish:	Black (RAL9010) or White (RAL9011) paint. Custom color matching and IP55 WR Treatment optional.			
Mounting:	12 x M10 UMH points; 2 x M10 u-bracket nutplate. Optional: UBRKT/CT121B (black), UBRKT/CT121W (white), UBRKT/CT121CC (Custom Color)			
Dimensions:	14-3/8" w x 27" h x 14-1/4" d 365 mm w x 686 mm h x 362 mm d			

SA1250 Amplifier Specifications

	SA1250-A	SA1250-RN	SA1250-RD1 (Ultimo)	SA1250-RD (Brooklyn II)
Audio Connections:	2 x XLR-3, In & Loop-out, Analog	2 x XLR-3, In & Loop-out, Analog and AES	2 x XLR-3, In & Loop-out, Analog and AES 1 x RJ45 Dante Ethernet	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Dante Primary & Secondary Ethernet
Latency:	6.25 ms	6.25 ms	6.25 ms Analog & AES 6.25 ms + Dante transport latency	6.25 ms Analog & AES 6.25 ms + Dante transport latency
User DSP:	None	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.		
Software:	None	RHAON II	RHAON II and Dante Controller	
Max. Input Level:	+22 dBu, Analog	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital
Network Connections:	None	2 x RJ45, Looping Ethernet/RHAON	2 x RJ45, DANTE/Looping Ethernet/ RHAON (Note: Dante and RHAON share a single Ethernet network.)	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON (Note: Dante and RHAON share a single or redundant Ethernet network.)
Power Output:	LF= 1000 watts, @ 8 ohms / HF = 250 watts @ 8 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: 300 mW. 1/8 power: 240 W (onset of limiting) 1/3 power: 550 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.



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