

#### 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.

# **TA/TX Series**

TX121	Non-Powered
TA121-A	Powered, Analog
TA121-RN	<b>RHAON Empowered</b>
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.

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Connectors:     Four-       Sensitivity:     97 dl       Pass     Pass       Power Handling:     Bi-ar       Crossover Frequency:     1.6 k       Max. SPL:     1.28 d       Weight:     Frequency Response:       Dispersion     Enclosure:       Grille:     Transducers:       Finish:     Mounting:       Dimensions:     SA12       Audio Connections:     2 x X       Latency:     6.25       User DSP:     None       Software:     None	Speakon® NL4 place terminal strip, all paralleled IB (1W/1m) sive: 350 W AES @ 8 ohms, LF 60 W AES @ 8 ohms, HF kHz, passive, bi-amp selectable dB (peak, whole space) 45 lb 60 H: 90° f 11 pl 16 G. Woof Eliach 12 x	See SA1250 ; 1.6 kHz activ 127 dB (peak is./20.4 kg z to 20 kHz (+/- 3dB) norizontal x 40° vertical or 60° horizontal x 40° ly birch plywood A powder-coated, plated steel fer: SSL12-26; High Frequency Driver: SSD1747 < (RAL9010) or White (RAL9011) paint. Custom	TA121-RN         2 x XLR-3, In & Loop-out, Analog and AES         2 x RJ45, primary & secondary         ted output, analog         amplifier specs below         e electronic         , whole space)         vertical, Rotatable Complex Conic Horn         *-8; Replacement HF Diaphragm CD1747-8         color matching and IP55 WR Treatment optional         Optional: UBRKT/CT121B (black), UBRKT/CT121         Cations	
Jonnectors:       Four-         Sensitivity:       97 dl         Pass       Pass         Power Handling:       Bi-ar         Crossover Frequency:       1.6 k         Max. SPL:       128 d         Veight:       128 d         Frequency Response:       15         Dispersion       1         inclosure:       1         rille:       1         ransducers:       1         Jinnensions:       2         Xudio Connections:       2 x X         Latency:       6.25         Software:       None         Aax. Input Level:       +22         None       Power Output:         Mains Voltage:       2         Power Consumption:       2	Place terminal strip, all paralleled IB (1W/1m) sive: 350 W AES @ 8 ohms, LF 60 W AES @ 8 ohms, LF 60 W AES @ 8 ohms, HF kHz, passive, bi-amp selectable dB (peak, whole space) 45 lb 60 H: 90° f 11 pl 16 G Woof Black 12 x 14- <sup>3</sup> / 365 l	1.0 volt for ra See SA1250 : 1.6 kHz activ 127 dB (peak is./20.4 kg z to 20 kHz (+/- 3dB) norizontal x 40° vertical or 60° horizontal x 40° ly birch plywood A powder-coated, plated steel ier: SSL2-26; High Frequency Driver: SSD1747 x (RAL9010) or White (RAL9011) paint. Custom M10 UMH points; 2 x M10 u-bracket nutplate. "6" w x27" h x 14-1/4" d mm w x 686 mn h x 362 mm d <b>SA1250 Amplifier Specific</b> <b>SA1250-RN</b>	2 x RJ45, primary & secondary ted output, analog amplifier specs below e electronic , whole space) vertical, Rotatable Complex Conic Horn 7-8; Replacement HF Diaphragm CD1747-8 color matching and IP55 WR Treatment optional Optional: UBRKT/CT121B (black), UBRKT/CT121	
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koftware:     None       Aax. Input Level:     +22       letwork Connections:     None       Power Output:	٥	Fight fully parametric filters, bish and law a	6.25 ms + Dante transport latency helf, high and low pass filters, delay to 340 ms.	6.25 ms + Dante transport latency
Max. Input Level:     +22       letwork Connections:     None       Power Output:     ////////////////////////////////////			RHAON II and Dante Controller	
None Power Output: Vains Voltage: Power Consumption:		RHAON II		100 dBu Apolog C dBEC district
Power Output: Vains Voltage: Power Consumption:	dBu, Analog	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital
Aains Voltage: Power Consumption:		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 RHAC share a single or redundant Ethernet network.)
Power Consumption:	LF= 1	1000 watts, @ 8 ohms / HF = 250 watts @ 8 o	hms. Multi-band peak and thermal limiting on b	oth channels protects the drivers.
		240 volts, 50/60 Hz auto-switching		
Power Connector		300 mW. 1/8 power: 240 W (onset of limiting) 1	/3 power: 550 W (hard limiting)	
ower connector.		rik powerCON TRUE-1		
Cemperature Limits	Max.	: 140° F/60° C, with no direct sun exposure; Mir	n.: -22° F/-30° C; leave unit on to keep interior v	varm below 32° F/0° C.
	•			
27*		CinA	60 mm	Ampifer option
	@ (:: @		5 mm)	



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