

## **Outstanding Performance, Unequalled Versatility**

TRX Series loudspeakers use advanced technology and applicationdriven engineering to bring live sound closer to the ultimate reference point: reality. Cutting edge driver technology and unique innovations such as our Complex Conic horns deliver natural sounding music and intelligible speech.

Versatile enclosure designs, combined with a wide range of mounting options and associated hardware, provide unrestricted flexibility for both portable and installed applications. Wherever audiences and operators demand superior performance and ease of use, TRX Series loudspeakers are the choice for unequalled value.

## Applications

- Virtually any application where directional control and arrayability are critical issues and outstanding sonic performance is required.
- Distributed sound reinforcement systems in sports arenas and stadiums.
- Multi-channel A/V playback systems, live sound and music systems in clubs and disco's (with optional subwoofers).
- Array modules for theatrical and concert sound systems, sound reinforcement systems in houses of worship, performing arts centers, etc.

## Advanced Complex Conic Horn Design



Designed around the spherical expansion of the acoustic pressure wave, Complex Conic horns provide constant beamwidth/directivity without the problems of conventional rectangular horns. These unique waveguides eliminate low frequency "pattern flip"; have no

corners to cause high frequency "feathering" and the resulting pattern distortion.

With extended pattern bandwidth, lower distortion and minimal coloration, Complex Conic horns work better and sound far more natural than ordinary horns.

## TRAP (TRue Array Principle) Design



TRAP array modules combine to produce a phase aligned wavefront having an absolute minimum of lobing. The result is no more "hot spots", no more "dead spots".

#### Conventional Cluster



Conventional loudspeakers interfere with each other to produce lobing



TRAP loudspeakers produce a coherent wavefront

# **TRX Series**

# TRX151T

15" Woofer + 1" HF 2-Way Complex Conic Loudspeaker System



## 20° Trapezoidal Design

Outstanding, full-range, 50 Hz to 18 kHz performance in a compact  $20^{\circ}$  trapezoidal enclosure.

#### Exclusive Complex Conic Design

Complex Conic horns provide superior pattern control with low distortion.

### Choice of Coverage Patterns

Complex Conic horns provide well controlled  $40^{\circ}$  by  $40^{\circ}$ ,  $60^{\circ}$  by  $40^{\circ}$  or  $40^{\circ}$  by  $40^{\circ}$  coverage.

• TRAP (TRue Array Principle) Design The TRX151T/4 is a true 40° TRAP array module.

## • Heavy-Duty 15" Woofer

With treated fiber cone easily handles 700 Watts of program power.

#### Built-in Crossover

Eliminates need for a separate electronic crossover and bi-amplification.

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## **TECHNICAL INFORMATION**

Sensitivity:	99 dB (1W/1m) @ 500 Hz	Enclosure:	Multi-ply hardwood, perforated metal grille
Maximum SPL:	127 dB program, 130 dB Peak	Connectors:	Screw terminals or Neutrik 4-pin connectors
Dispersion:	(TRX151T/4) 40° H by 40° V (TRX151T/6) 60° H by 40° V (TRX151T/9) 90° H by 40° V	Finish Options:	Black or white paint Custom colors Natural (unfinished) Weather resistant
Frequency Response:	65 Hz to 18 kHz		10 minturio este bala
HF Driver:	1" SSD202-8 driver, 40 W RMS, 80 W program	Hardware Options:	12-point univ. mtg. ndw. Omnimount Series 120 nut-plate R-HANG array mounting hardware Tripod socket & handles
LF Driver:	15" model SSL15-13 woofer, 3" VC, treated fiber cone; 350 W RMS, 700 Watts program	Dimensions:	29 1/2" H x 19" W x 18 1/2" D (74.9 cm x 48.3 cm x 47 cm)
Crossover Point:	1.8 kHz	Net Weight:	50 Lbs (26.8 Kg) net
Power Rating:	500 Watts program at 8 Ohms		

#### **DIMENSIONAL INFORMATION**



UMH (Universal Mounting Hardware) attachment points are standard on all fixed installation models. The points have Metric M6 threads and are positioned 1 3/4" from the edges unless otherwise indicated. A nut plate for Omnimount Series 120 mounting hardware may be substituted for the UMH points; can be either top, bottom or side mounted. U-bracket attachment points and R-HANG array mounting hardware are other options.

Portable models are normally supplied with handles and a tripod socket and no attachment points.

The enclosure is shown without its metal grille. For more detailed dimensional information, please refer to the 2D and 3D drawing files on our website, www.renkusheinz.com



