

# TiRAY Data Sheet

## TiRAY

Ultra Compact 2-way  
Line Array System



**Small. Powerful. Flexible.** The TiRAY is an ultra compact, passive full range 2-way line array module, designed for small venues where high fidelity sound and outstanding intelligibility are required.

The TiRAY benefits from pioneering CODA Audio technologies. The line array module contains two 5" neodymium cone drivers that exhibit high efficiency and ultra-low distortion. At the centre of TiRAY line array modules is a single-diaphragm neodymium planar wavedriver similar to the wavedrivers found in the larger CODA Audio line arrays.

The TiRAY is highly efficient and provides 100° dispersion and linear phase response. TiRAY can be flown in arrays of up to 24 modules, to create a scalable system fit for a variety of small and medium-sized venues.

With optional adapters, TiRAY modules can be pole-mounted to the TiLOW bass extension module to create a compact and powerful system that requires minimal set-up time and transport cost.

The TiRAY is a fully integrated sound reinforcement system including LINUS loudspeaker management amplifiers for DSP control, amplification, audio I/O routing, network remote control, and diagnostics. The touring package contains transport dollies, rigging accessories, protection covers, and more, significantly reducing set-up time.

The TiLOW 12" bass extension overlaps the low range of TiRAY and paired subwoofers, enhancing the low frequency headroom and increasing the long-throw capability of the system. With additional subwoofers the range can be extended down to 25 Hz.

### TiRAY Features

- ⊕ Ultra compact size
- ⊕ Frequency range: 70 Hz - 20 kHz (-6 dB)
- ⊕ High power handling of 300 W (AES)
- ⊕ Unique 5" neodymium planar wave driver
- ⊕ Dual 5" ultra low distortion cone drivers
- ⊕ Wide horizontal coverage of 100°
- ⊕ CUTI and CUTI-SF adapters allow ground-stacked pole-mounted TiRAY arrays
- ⊕ Integrated rigging for flown or ground-stacked arrays compatible with TiLOW bass extension module
- ⊕ Multiplex enclosure with polyurea coating for extreme durability and water protection
- ⊕ System integration with LINUS Loudspeaker Management Amplifiers

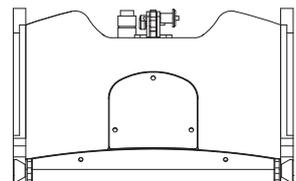
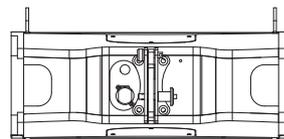
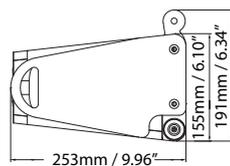
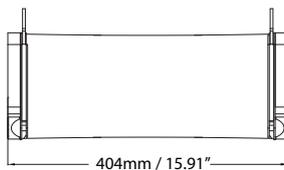


# TiRAY Data Sheet



Product type:	Ultra compact 2-way line array system
Frequency response:	70 Hz – 20 kHz (-6 dB)
Power handling AES / peak (passive):	300 W / 1200 W
Sensitivity 1W / 1m:	Low: 94 dB, high: 113 dB
Max. peak SPL:*	139 dB
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS12C: 8/12 LINUS14D: 8/12
Dispersion horizontal:	100°
Dispersion vertical:	Array dependent: 0°-12° (in steps 0°, 1°, 3°, 5°, 7°, 9°, 12°)
Components Low frequency:	2x5" woofer, 1.5" (38 mm) VC, 150 W (AES) each
Components Mid/High frequency:	MF: 5" Nd Planar-wave-driver HF: 1.75" (44.4 mm) VC, 80 W (AES)
Crossover point:	950 Hz passive
Input connectors:	2x Neutrik™: 1x NL4MP + 1x Link cable with NL4FX
Nominal impedance LF / MF+HF:	8 Ω (2+/2-)
Enclosure material:	Birch plywood
Finish:	Polyurea coating
Suspension:	Flying hardware integrated
IP rating options (IEC 60529):	Standard IP54
Weatherproof protection options:	Standard IP55: IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	404 x 155 x 253 mm / 15.91 x 6.10 x 9.96" 404 x 191 x 253 mm / 15.91 x 7.51 x 9.96" (incl. hardware)
Net weight:	9.9 kg / 21.83 lbs

\*Measured with pink noise 6 dB crest factor. Half-space loading.

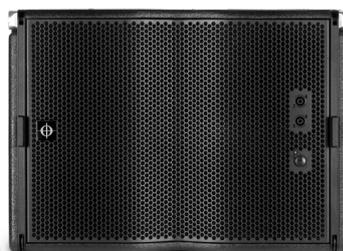


## Other TiRAY System Products



### TiLOW

Ultra Compact 12" Bass  
Extension for TiRAYfor TiRAY



### SCV-F

Compact 18" Subwoofer  
with SC Technology



### LINUS M-RACK

4 Channel DSP Amplifier Rack  
1 x LINUS14D in a 3U case

## CODA AUDIO GmbH

Boulevard der EU 6, 30539 Hannover, Expo Park, Germany  
E-Mail: [contact@codaaudio.com](mailto:contact@codaaudio.com) Website: [www.codaaudio.com](http://www.codaaudio.com)

**CODA**  
CODA AUDIO

