

PRODUCT SPECIFICATION

T10 *Install*



T10 *Install* brings the exceptional voicing of the Trinity family to performance installations and live event spaces. Stunning SPL and clarity can be precisely controlled with variable coverage in both the vertical and horizontal planes. Intelligibility is dramatically improved by directing the system's energy away from reflective surfaces as coverage is adjusted to meet the architectural design of the venue.

The vertical angles are set during installation using a fixed rigging system, while horizontal angles are locked into one of 22 variable configurations. Finally, a combination of FIR and IIR filters is applied to ensure smooth frequency response throughout the listening area.

Dual bandpass-loaded 10" transducers manage low-frequency response. The mid-frequency band is supported by two 6.5" midrange transducers affixed to the patented Coherent Midrange Integrator (CMI). A dual-diaphragm high-frequency transducer, coupled directly to an integrated planar waveguide, significantly reduces distortion across the high frequency band. A 3,000 W Class D amplifier maximizes headroom while maintaining crystal clear audio and exceptional output.

The CMI waveguide seamlessly combines mid and high frequencies, coupled with precisely spaced low-frequency apertures for smooth and controlled directivity. It allows for variable adjustability from 60°-120° both symmetrically and asymmetrically so that designers can vary the directivity of individual modules within the array to enhance overall system performance.

Output Capability

Frequency Response....40 Hz-20 kHz
 60° Horizontal.....144.1 dB*
 120° Horizontal.....141.9 dB*

Acoustic Properties

Horizontal Directivity....60°-120° Fixed Variable Directivity
 Horizontal Resolution...10° Symmetric & Asymmetric
 Vertical Adjustment.....0°-12° Fixed Rigging System
 Vertical Resolution.....1° Increments

Transducers

Low-Frequency.....2 x 10" Bandpass Loaded
 Mid-Frequency.....2 x 6.5" CMI Loaded
 High-Frequency.....1 x 4" Dual Diaphragm Planar Wave

Amplification

Amplifier.....3 Channel Class D
 Amplifier Power.....3,000 W
 Operating Voltage.....Auto-Switching 100-240 V, 50-60 Hz
 Power Consumption...700 W
 Network.....UDP over Ethernet

Input/Output Connections

Input Selection.....Analog/AES
 Audio/Network.....XLR/etherCON
 Power.....powerCON TRUE1 – IP65

Physical Properties

Weight.....47.6 kg/105 lb
 (W x H x D).....980 x 250 x 561 mm
 38.58 x 9.84 x 22.09 in
 Max Line Length.....24 Modules
 Environmental.....IP43/IP42
 Rain Protection.....Weather Resistant Amplifier Plate & IP65 Connectors
 Module Construction...Void-Free, High-Grade Baltic Birch
 Rigging Construction...6061-T6 Aluminum
 External Coating.....EXL Polyurea
 Grill.....Powder Coated Aluminum

* Maximum SPL with Pink Noise Crest Factor 4 at 1m (with limiters & DSP active)

