T1230-WR

Weatherised Passive, 30° Fixed Angle Array Cabinet

TORUS

Features

- Weatherised version of the TORUS T1230 two-way passive, constant curvature array element
- IP54 rated with correct cable connectors and sealing plug
- Corrosion-resistant grille and exterior metalwork, with marine-grade 316L stainless steel
- 1 x 12” (300 mm) LF driver
- 3 x 1” (25 mm) exit, 1.4” (35 mm) voice coil HF drivers
- Manually adjustable Dynamic Horn Flare™ with four horizontal dispersion settings: 90°, 60°, 75° offset left or 75° offset right
- Fixed 30° narrow vertical dispersion pattern
- Phase plug for increased mid-band sensitivity
- Plug-and-play system, quick set-up and easy rigging
- Amplification by Martin Audio iKON amplifiers only
- 3D modelling via Display 3





Applications

- Optimised for short to medium-throw live sound and installation applications
- Fills, distributed systems and centre clusters
- Outdoor and exposed installations

For applications that require a throw of 15 to 30 m (roughly 50 to 100 ft), a full-blown line array is not always practical, optimal or affordable. Conversely, a point source solution may not be sufficient in coverage and SPL. TORUS T1230-WR is a constant curvature array, designed to fill that gap perfectly, combining optimised coverage, SPL and cost efficiency.

T1230-WR offers a narrow fixed vertical pattern of 30° with a flexible horizontal pattern, manually set to 90°, 60°, 75° offset 7.5° to the left or 75° offset 7.5° to the right via the Dynamic Horn Flare™. It can be used in arrays of up to six enclosures or deployed singly as a point-source loudspeaker.

T1230-WR features a 12" (300 mm) neodymium LF driver and three 1" (25 mm) exit, 1.4" (35 mm) voice coil HF drivers. It includes two NL4 connectors using pins 1+/1- or 2+/2-, selected via a rear-mounted switch. The IP54 rating requires Neutrik STX or STXX Series cable connectors (current models NLT4FXX or NLT4FXX-BAG) and a Martin Audio NL4 sealing plug (WRPLUG) in any unused socket. The grille and all exterior metalwork are corrosion resistant, with marine-grade 316L stainless steel.

The plywood cabinets are finished in hardwearing PU paint with two pocket handles for easy installation and deployment. The integrated rigging is suitable for install and touring applications and supports horizontal array configurations of up to 180° with a flying frame that can support up to six cabinets in vertical orientation. The cabinets also feature a fixing for an external pole-mount accessory. In addition, T1230-WR can be supplemented by SX subwoofers and is designed to integrate mechanically with the SXCF118 cardioid subwoofer for flown and ground-stack configurations. The weatherised version of this subwoofer is SXCF118-WR.

T1230-WR amplification and control is by Martin Audio iKON amplifiers only (iK41, iK42 or iK81). iKON amplifiers support Vu-Net control software and Dante®. T1230-WR also features an LED indicator (behind the grille), illuminated via Vu-Net software to identify the cabinet within the array. With Display 3 software, TORUS systems can be modelled in 3D to deliver consistent and defined coverage.

Available in black (T1230-WR) or white (T1230W-WR).

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Technical Specifications

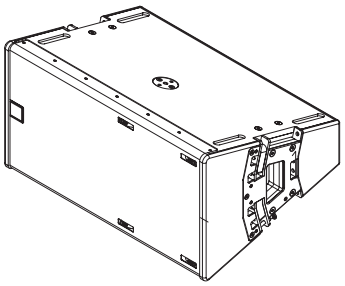
TYPE	Weatherised Passive 2-way Constant Curvature 30° enclosure
FREQUENCY RESPONSE [1]	65 Hz – 18 kHz ± 3 dB, -10 dB @ 50 Hz
DRIVERS	LF: 12" (300 mm), 3" (75 mm) Voice Coil, Neodymium HF: 3 x 1" (25 mm) exit, 1.4" (35 mm) Voice Coil, HT Polymer dome neodymium compression driver
SENSITIVITY [2]	99 dB
NOMINAL IMPEDANCE	8 ohms
RATED POWER	AES 400 W, PEAK 1600 W
SYSTEM AMPLIFIER	iKON only (iK41, iK42, iK81)
MAXIMUM SPL [3]	126 dB continuous, 132 dB peak, 138 dB peak with crest factor 4
DISPERSION	60-75-90° horizontal, 30° vertical
EXTERIOR HARDWARE	Corrosion-resistant grille and exterior metalwork, with marine-grade 316L stainless steel
ENVIRONMENTAL TESTING	IP rating IP54 with correct cable connectors and sealing plug (see CONNECTORS) ISO 12944-6 Category C3 corrosion resistance
CONNECTORS	2 x NL4 (NLT4MPXX-BAG) IP54 with Neutrik STX/STXX Series cable connectors (current models NLT4FXX or NLT4FXX-BAG) and Martin Audio NL4 sealing plug (WRPLUG) in any unused socket
PIN CONNECTIONS (INPUT)	1+/- or 2+/-
PIN CONNECTIONS (LINK)	1+/- and 2+/-
DIMENSIONS	(W) 650 mm, (H) 350 mm, (D) 442 mm (W) 25.59 in, (H) 13.76 in, (D) 17.40 in
WEIGHT	26 kg (57.32 lb)

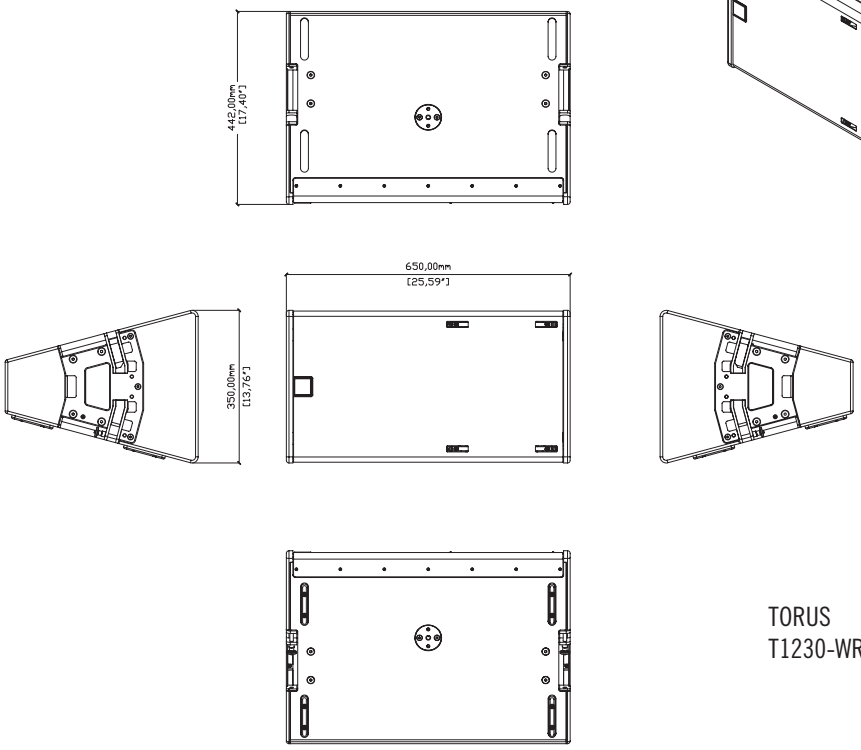
Notes

[1] On-axis in open space (4pi) with full-range preset.

[2] 2-hour test with band-limited pink noise signal as specified in AES2-1984 (r2003). Peak power defined as 6 dB above AES power.

[3] 1 W input at 1 meter in open space (4pi).





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