

vantec 12A

Powered, compact multipurpose system



- » Ultra lightweight Class D amplifier with SMPS
- » User definable 24-bit DSP with LCD screen
- » Presets: Live, Dance, Vocals, Bass Boost & Monitor Mode
- » Stackable 3-band EQ
- » High-Definition wireless streaming of music in stereo
- » Pole mount socket with dual angles 0°/10°
- » Monitor position
- » Rigging points
- » Selectable standby functionality

The Vantec 12A is a powered portable system with a multi-angle enclosure that permits stage monitor applications as well as a compact P.A. system.

The 1500 Wpeak power of the Class D amplifier provides extended bandwidth, wide dynamic range and exceptionally low distortion-features hard to find on other systems in this market segment.

Digital Finite Impulse Response (FIR) filters are used in the signal processing of the powered Vantec systems.

User configurable voicing, filter and EQ modes, and gain control are achieved by way of a rotary-knob interface and LCD screen on the rear of the cabinet. The Vantec

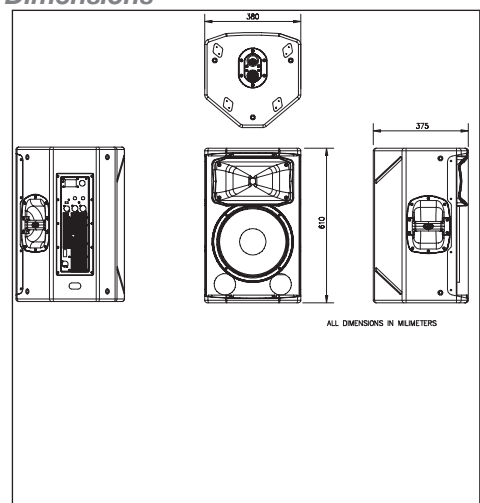
series allows users to wirelessly stream music from mobiles devices.

The 12F4 loudspeaker with 3" voice coil provides accurate low frequency reproduction. High frequencies are handled by the M-28 FEM optimized compression driver with 1" exit offering excellent performance.

Technical Specifications

Power Amplifier	1500 Wpeak (Class D Bi-amplified)
Input Type	Balanced Differential Line
Input Impedance	20 kohms
Sensitivity ¹	3 V (+12 dBu)
On-axis Frequency Range (-10 dB)	60 Hz - 20 kHz
Maximum Peak SPL at 1 meter	135 dB
HF Horn Coverage Angles (-6 dB)	90° x 50°
Enclosure Material	Birch Plywood
Finish	Black Paint
Transducers/Replacement Parts	LF: 1 x 12F4 / GM 12F4 HF: 1 x M-28 / GM M-28
Connectors	INPUT: 2 x Female XLR LOOP THRU: 1 x Male XLR AUX: 1 x 3.5 mm (1/8") AC INPUT: powerCON
AC Power Requirements	115 V, 2.4 A, 50 Hz/60 Hz 230 V, 1.2 A, 50 Hz/60 Hz
Dimensions (H x W x D)	61 x 38 x 37.5 cm 24 x 15 x 14.8 in
Weight	21 kg (46.2 lb)
Accessories (optional)	ANL-2 TRD-2 TRD-6

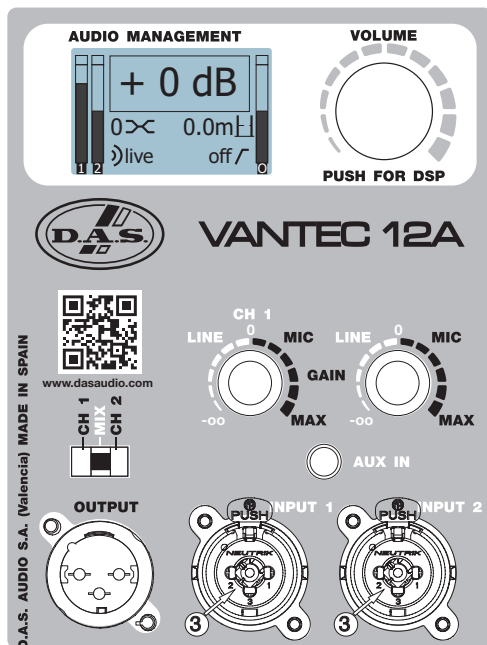
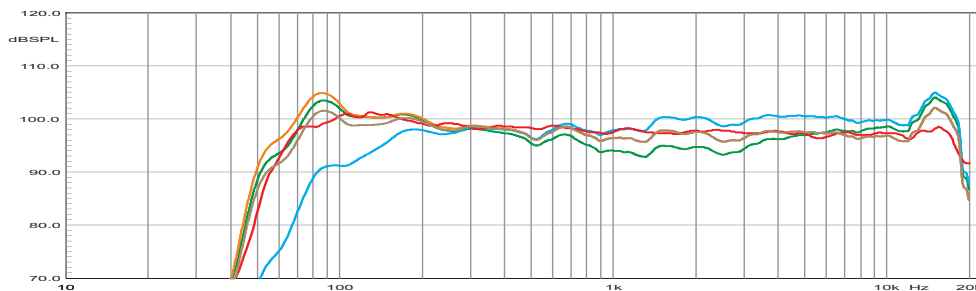
Dimensions



1. Level control at 0 dB.

Frequency Response

Shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-13 dBu input). Brown: Live. Green: Dance. Blue: Vocals. Orange: Bboost. Red: Shows the frequency response at 1.7 m of a unit lying on the floor with monitor preset selected, average of 3 different mic positions in the listening window, referred to 1 m.



Vantec 12A input and control panel

NOTES. Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.