VTX SERIES | A12

Compact Dual 12" Line Array Element

SPECS

HIGHLIGHTS

Next-gen JBL loudspeaker technology

Completely rebuilt acoustic components for best-in-class SPL output and 90-degree directivity down to 250 Hz

New highs, mids and lows

All-new high, mid and low frequency designs and components provide better tolerances, reduced distortion, and increased power handling

Fast rigging

Quicker deployment with redesigned suspension system and patented internal locking mechanism for up to 1/4-degree increment settings

Lightweight truck-friendliness

Lightest-in-class, completely redesigned frame with truck-friendly dimensions

JBL VTX A12 is a complete tour sound solution for mid- to large-size touring applications and high-end fixed installations. VTX A12 was designed from scratch to address the unique challenges of rental companies, FOH engineers and tour sound production crews. Next-generation JBL transducer technology and a high-frequency waveguide design deliver unmatched performance, sensitivity and coverage. A patented JBL rigging mechanism and redesigned suspension system streamline deployment and setup. And refinements to the physical design maximize reliability and versatility, while minimizing size and dramatically reducing weight. VTX A12 isn't just a superior line array—it's a completely new way to approach tour sound.

KEY MESSAGES

PERFORMANCE

JBL Professional is the world's leading manufacturer of loudspeaker systems, using custom designed and built drivers for optimal performance.

VTX A12's new **high-frequency** (HF) section features three uniquely designed drivers that combine the HF phasing-plug and waveguide into one part, which helps provide better tolerances and increased sensitivity above 6 kHz, while reducing distortion and overall weight.

Its **all-new patented JBL Radiation Boundary Integrator** combines four 5.5" mid-frequency drivers into the high-frequency waveguide—providing a smooth horn surface for the high-frequency section.

A lightweight 12" low-frequency woofer (LF) features a 4th generation Differential Drive design, a **new dual voice coil, dual magnet** and a host of proprietary JBL technologies for increased excursion, power handling and sensitivity.

INNOVATIVE RIGGING

VTX A12 marks a giant leap forward in how the loudspeakers are rigged and transported. To facilitate quicker deployment, array elements are stacked four per vertical transporter cart in a 10-degree collapsed position. A patented internal locking mechanism makes it easy to set arrays at up to 1/4-degree increments using selector pins.

ACCESSORIES

The completely redesigned VTX A12 Array Frame is the lightest in its class. At 41 kg. (90 lbs) the lightweight frame allows the system to be deployed in a variety of use cases and venues. Both the cart and frame were purposefully engineered to meet both U.S. and European truck pack dimensions to help production companies transport the system more effectively.

TECHNICAL SPECIFICATIONS

SYSTEM	
Frequency Range (-10 dB):	46 Hz - 19 kHz (Preset: VTX A12)
Coverage Pattern (-6dB)	
Horizontal:	90 degrees nominal (250Hz - 18kHz)
Vertical:	Varies with array size and configuration
System Input Power Rating[1]	
LF :	2 x 800W Continuous (IEC / 100 hour)
MF :	400W Continuous (IEC / 100 hour)
HF :	150W Continuous (IEC / 100 hour)
Maximum Peak Output[2]:	146dB (Preset: VTX A12)
System Processing:	Crown Audio I-Tech 12000HD Crown Audio I-Tech 4x3500HD
System Impedance	
LF :	2 x 8 ohms
MF :	8 ohms
HF :	8 ohms
TRANSDUCERS	
Low Frequency :	2 x JBL 2264H, 12in diameter, dual 3in diameter voice coil, Neodymium Differential Drive
Mid Frequency :	4 x JBL 2165H, 5.5in diameter, dual 2in diameter voice coil, Neodymium Differential Drive
High Frequency :	3 x JBL 2423K, 2in diameter annular diaphragm, 2in diameter voice coil, Neodymium Magnet
ENCLOSURE	
Construction :	18mm and 15mm ,11-ply Finnish birch plywood, Black DuraFlex™ finish, integral recessed handles
IP Rating[3] :	IP55 EN (60529)
UV Rating :	6 (ISO105-B01)
Suspension :	Captive suspension plates, quick-release pins, auto-locking mechanism for setting angles
Inter-enclosure Angle :	0.25, 0.5, 1, 1.5, 2, 2.5, 3, 4, 6, 8, 10
Grill :	Powder coated 14-guage hex-perforated steel with acoustically transparent black cloth backing
Connectors	
Type :	Neutrik® SpeakON® NL-8 (2x)
Pin Assignments :	Pins 1 ± (LF), Pins 2 ± (LF), Pins 3 ± (MF), Pins 4 ± (HF)
Dimensions (H x W x D) :	330.2mm x 1.118mm x 495.3mm 13.0in x 44.0in x 19.5in
Net Weight :	60.8 kg (134.0 lbs)

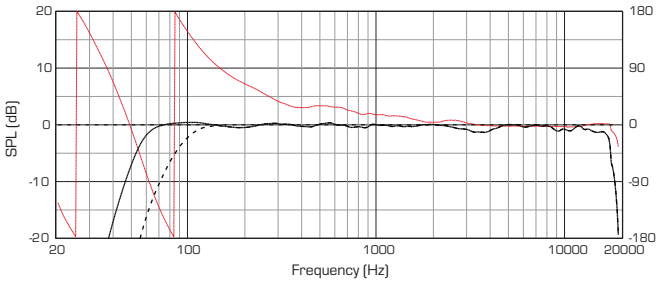
Footnotes:

1: IEC Standard: IEC shaped noise with 6dB crest factor based on nominal impedance and a duration of 100 hours
2: Peak, unweighted SPL, measured under full-space conditions at 1 meter using broadband pink noise with a 12dB crest factor and specified preset
3: Front face at 0 degree or greater down angle to allow the cabinet to drain water. Suspension components fully weather rated for indoor or covered outdoor conditions where humidity is nominally under 50% and not local to bodies of corrosive materials

JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

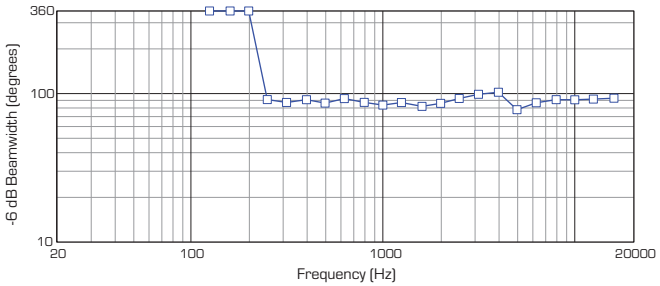
ACOUSTIC MEASUREMENTS

FREQUENCY RESPONSE



VTX A12 FL VTX A12 FL 80 VTX A12 Phase

BEAMWIDTH



Horizontal Beamwidth

DIMENSIONS