

VTX M20

Dual 10" Professional Stage Monitor



Key Features:

- Elegant, low profile, compact design suitable for touring and high profile broadcast applications
- State of the art JBL transducers, including Differential Drive™ cone transducers and D2 dual diaphragm dual voice coil compression driver
- 60x60 High Frequency Waveguide featuring JBL's patented Image Control Waveguide Technology
- Single-Channel (Passive) and Dual-Channel (Bi-Amp) Operation Modes for maximum flexibility in system configuration and deployment



Description:

VTX M Series is comprised of the dual 10" VTX M20 and the dual 12" VTX M22 professional stage monitors, both featuring high-performance differential drive woofers and the large-format D2 dual-diaphragm dual voice-coil high frequency driver. The option of Single-Channel (Passive) or Dual-Channel (Bi-Amp) operation modes comes standard, allowing the user to choose the right option for the application, with no compromise in output power or performance. Drawing on JBL's unique history of sharing technological innovations across product lines, the VTX M Series HF waveguide features Image Control Waveguide Technology, which gives both the VTX M20 and VTX M22 a broad and stable 60H x 60V coverage that delivers maximum gain-before-feedback. All of these premium, tour-ready features are enclosed in a pair of modern, low profile designs that are lightweight, ergonomic, and show-ready for even the most high profile concert or broadcast events. And because VTX M Series is part of the VTX family, it comes fully supported in JBL HiQNet Performance Manager with V5 presets.

Specifications:

System		Transducers	
Frequency Range (-10 dB):	55 Hz - 19.5 kHz	Low Frequency:	2 x 2261H, 254 mm (10 in) diameter, dual 76 mm (3 in) diameter voice coil, NDD [®] , Direct Cooled [™]
Coverage Pattern (-6dB)		High Frequency:	1 x D2430H, D2 dual diaphragm, dual 76mm (3 in) diameter voice coil
Horizontal:	60	Enclosure	
Vertical:	60	Monitor Angle:	30 degrees
System Input Power Rating¹		Construction:	18 mm, 11-ply Finnish birch plywood
Passive:	1250 W Continuous (IEC / 100 hour)	Grille:	Powder Coated 14 gauge hex-perforated steel with acoustically-transparent black cloth backing
Active:	LF: 1250 W Continuous (IEC / 100 hour) HF: 100 W Continuous (IEC / 100 hour)	Input Connectors	
Maximum Peak Output²:	136dB (Preset: VTX M20 FR)	Passive:	Neutrik [®] Speakon [®] NL-4 (4x): Selectable: Pins 1 ± or Pins 2 ±
System Latency³:	3.33ms	Active:	Neutrik [®] Speakon [®] NL-4 (4x): Pins 1 ± (LF) Pins 2 ± (HF)
System Processing:	Crown Audio I-Tech HD Series Crown Audio I-Tech 4x3500HD	Dimensions (H x W x D):	342.9 mm x 575.0 mm x 515.3 mm (13.6 in x 22.6 in x 20.3 in)
System Impedance		Net Weight:	23 kg (51 lbs)
Passive:	4 ohms		
Active:	LF: 4 ohms HF: 8 ohms		

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 half-space conditions at 1 meter using broadband pink noise with a 10dB crest factor and specified preset.

3: Average delay of linear-phase region >200Hz

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.

VTX M20

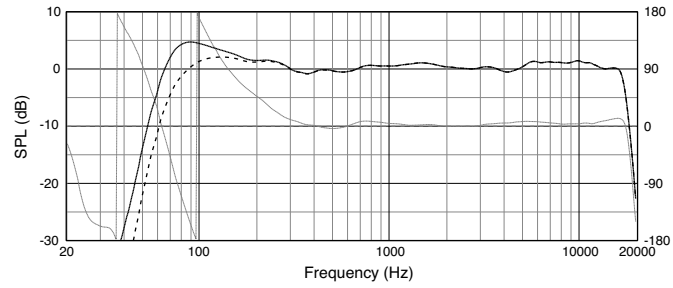
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Acoustical Measurements

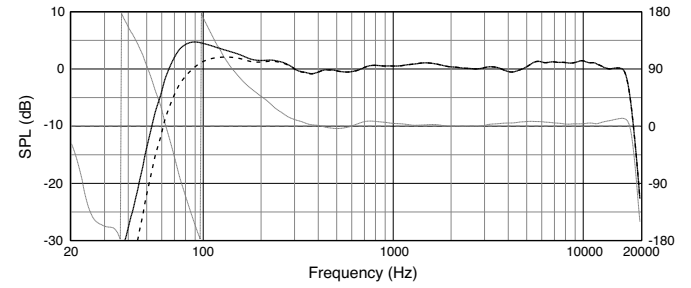
Frequency / Phase Response

VTX M20 in Single-Channel (Passive) mode with recommended processing and presets

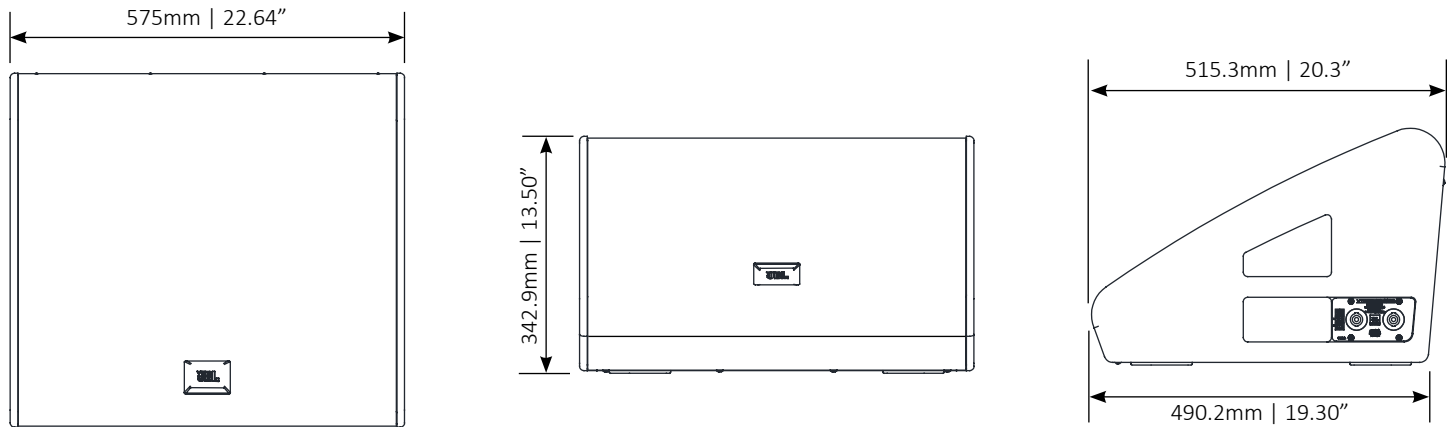


Frequency / Phase Response

VTX M20 in Dual-Channel (Bi-Amp) mode with recommended processing and presets



Dimensions



Wiring Diagram

