

STANDARD MODELS

DESCRIPTION

SPECIFICATIONS

VERTEC® DP SERIES

POWERED INTEGRATED AUDIO SYSTEM
with JBL DrivePack® Technology

VT4889
VT4889-1



System Type: Fullsize 3-Way High Directivity Line Array Element (Composite enclosure) (PlyMax enclosure)

Components: 2 x 2255H 15" LF, 4 x 2250H 8" MF, 3 x 2435H HF

Horizontal Coverage (-6 dB): 90 degrees nominal (250 Hz - 16 kHz)

Frequency Range (-10 dB): 40 Hz - 18 kHz

Frequency Response (± 3 dB): 45 Hz - 16 kHz

Sensitivity (1W/1m): 99 dB LF, 102 dB MF, 116 dB HF

Nominal Impedances: 2 x 8 ohms LF, 8 ohms MF, 16 ohms HF

Continuous Power Rating: 2000W LF, 1400W MF, 225W HF

Dimensions (W x H x D): 1214 mm x 489 mm x 546 mm (47.8" x 19.3" x 21")

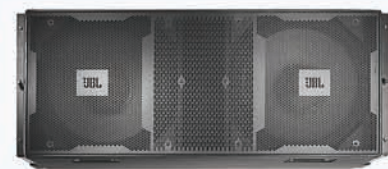
Weight: 72.6 kg (160 lb) 78.9 kg (174 lb)



6000W Peak, 3000W Continuous
1214 mm x 489 mm x 691 mm
(47.8" x 19.3" x 27.2")
93.1 kg (205 lb)

VT4889ADP

VT4880
VT4880A



System Type: Fullsize Arrayable 2-18" Subwoofer

Components: 2 x 2258H Dual-Coil 18" Subwoofer

Frequency Range (-10 dB): 26 Hz - 160 Hz

Frequency Response (± 3 dB): 28 Hz - 75 Hz

Sensitivity (1W/1m): 98 dB

Nominal Impedances: 2 x 8 ohms

Continuous Power Rating: 2400W

Dimensions (W x H x D): 1229 mm x 493 mm x 860 mm (48.3" x 19.4" x 33.9")

Weight: 68.5 kg (151 lb) 83.9 kg (185 lb)



6900W Peak, 3500W Continuous
1229 mm x 493 mm x 1011 mm
(48.3" x 19.4" x 39.8")
99.9 kg (220 lb)

VT4880ADP

VT4888



System Type: Midsize 3-Way High Directivity Line Array Element

Components: 2 x 2262H 12" LF, 4 x 2106H 5.5" MF, 2 x 2431H HF

Horizontal Coverage (-6 dB): 90 degrees nominal, 250 Hz - 16 kHz

Frequency Range (-10 dB): 48 Hz - 18 kHz

Frequency Response (± 3 dB): 60 Hz - 16 kHz

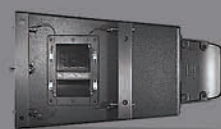
Sensitivity (1W/1m): 98 dB LF, 102 dB MF, 114 dB HF

Nominal Impedances: 2 x 8 ohm LF, 8 ohm MF, 16 ohm HF

Continuous Power Rating: 2000W LF, 600W MF, 150W HF

Dimensions (W x H x D): 1013 mm x 255 mm x 508 mm (39.9" x 14" x 20")

Weight: 51.3 kg (113 lb)



6000W Peak, 3000W Continuous
1013 mm x 355 mm x 678 mm
(39.9" x 14" x 26.7")
67.1 kg (148 lb)

VT4888DP

VT4882



System Type: Midsize Arrayable 2-15" Subwoofer

Components: 2 x 2266H, 381 mm (15") dia., Subwoofer

Frequency Range (-10 dB): 28 Hz - 120 Hz

Frequency Response (± 3 dB): 32 Hz - 110 Hz

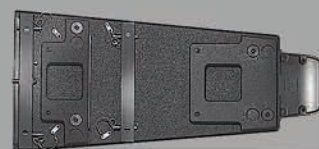
Sensitivity (1W/1m): 95 dB

Nominal Impedances: 2 x 8 ohms

Continuous Power Rating: 2000W

Dimensions (W x H x D): 1013 mm x 457 mm x 858 mm (39.9" x 18" x 33.8")

Weight: 53.5 kg (118 lb)



3600W Peak, 1800W Continuous
1013 mm x 457 mm x 1011 mm
(39.9" x 18" x 39.8")
69.9 kg (154 lb)

VT4882DP

VT4887A



System type: Compact Bi-amplified 3-Way High Directivity Line Array Element

Components: 2 x 2168J-1 8" LF, 4 x 2104H 4" MF, 2 x 2408H HF

Horizontal Coverage (-6 dB): 100 degrees nominal, 500 Hz - 16 kHz

Frequency Range (-10 dB): 55 Hz - 22 kHz

Frequency Response (± 3 dB): 67 Hz - 20 kHz

Sensitivity (1W/1m): 97 dB LF, 103 dB MF/HF

Nominal Impedances: 8 ohm LF, 8 ohm MF/HF

Continuous Power Rating: 1000W LF, 225W MF/HF

Dimensions (W x H x D): 787 mm x 281 mm x 415 mm (31" x 11" x 16.3")

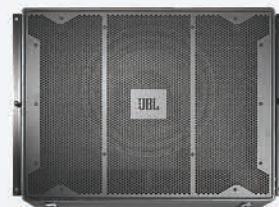
Weight: 30.4 kg (67 lb)



2200W Peak, 1100W Continuous
787 mm x 279 mm x 563 mm
(31" x 11" x 22.1")
39.7 kg (87.5 lb)

VT4887ADP

VT4881A



System Type: Compact Arrayable 1-18" Subwoofer

Components: 1 x 2269H Dual-Coil Ultra Long Excursion 18" Subwoofer

Frequency Range (-10 dB): 25 Hz - 160 Hz

Frequency Response (± 3 dB): 34 Hz - 125 Hz

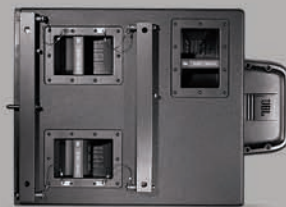
Sensitivity (1W/1m): 91 dB

Nominal Impedance: 8 ohm

Continuous Power Rating: 2000W

Dimensions (W x H x D): 787 mm x 569 mm x 654 mm (31" x 22.4" x 25.8")

Weight: 50.4 kg (111 lb)



3600W Peak, 1800W Continuous
787 mm x 569 mm x 800 mm
(31" x 22.4" x 31.5")
62.2 kg (137 lb)

VT4881ADP



VERTEC®
Series

- VT4889
- VT4889-1
- VT4888
- VT4887A
- VT4882
- VT4881A
- VT4880
- VT4880A

Including Powered Systems:



- VT4889ADP
- VT4880ADP
- VT4888DP
- VT4882DP
- VT4887ADP
- VT4881ADP





As a market leader in professional audio, JBL Professional has over 60 years of experience designing and manufacturing the world's most innovative professional loudspeaker systems. Responding to the market's demand for more powerful, lightweight and flexible sound reinforcement systems, JBL introduced VERTEC line array systems, which quickly became established as a worldwide touring industry standard.



Adding digital signal processing and amplification to these best-in-class loudspeakers, the powered VERTEC DP Series represent a suite of integrated audio systems that couple award-winning VERTEC line arrays to the new JBL DrivePack® technology platform. In these models, sophisticated electronics are perfectly matched to the enclosures with robust power, high fidelity and superb control over system parameters.



Designed for portable system users and fixed-venue system operators alike, VERTEC and the new powered VERTEC DP Series represent a comprehensive range of models featuring JBL's legendary sound quality coupled with the most advanced sound reinforcement technology available.



1. Bruce Springsteen World Tour
System Vendor: Audio Analysts
2. Eric Clapton's Crossroads Guitar Festival
Chicago, IL
System Vendor: Sound Image
3. World Cup Opening Ceremony
Munich, Germany
System Vendor: Sirius ShowEquipment A.G.
4. Rock In Rio (world's largest music festival)
Lisbon, Portugal
System Vendor: Gabisom Audio Equipment
5. Radio City Music Hall
New York City, NY
Rental System: PRG Audio/New Installation: Clair Brothers Systems
6. Presidential Inauguration
Washington, D.C.
System Vendor: Maryland Sound Intl.



VERTEC® DP SERIES

POWERED INTEGRATED AUDIO SYSTEMS

HIGH POWER & HIGH FIDELITY

JBL DrivePack® units incorporate Crown Audio's BCA (Balanced Current Amplification) Class I circuitry, with temperature-compensated modulation. Crown's state-of-the-art feedback circuitry enables lower noise and distortion specifications than any other high-power switching amplifier on the market, allowing JBL DrivePacks to set a new standard for low-noise and distortion performance in digital amplification. Three-channel units offer a full rated output power of at least 6,000W Peak, 3,000W Continuous. This is accomplished with a highly efficient passive cooling system using optimal heat spreading for overall cooler operation...without noisy, expensive cooling fans. When driven at the high levels often required for professional sound reinforcement, JBL DrivePacks can provide even higher fidelity than traditional analog amplifier circuitry.

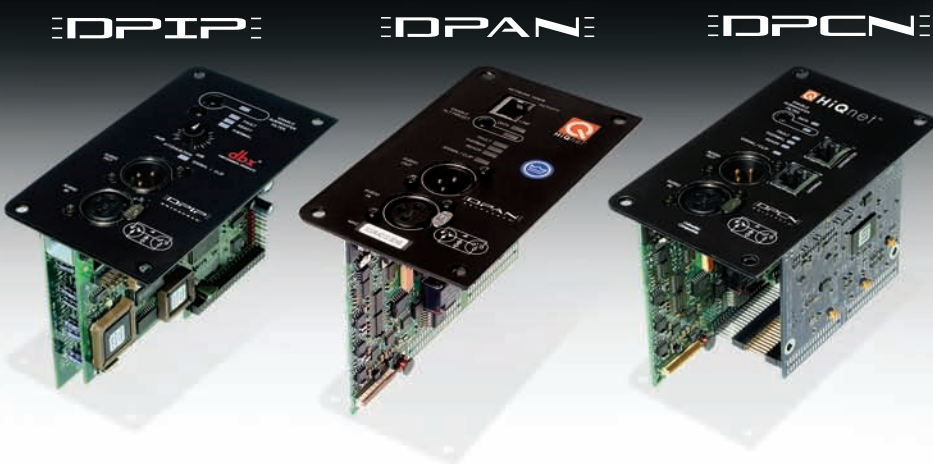


INPUT MODULE & CONNECTIVITY

JBL DrivePacks are equipped with a modular input bay. Standard DPIP input modules from dbx feature analog audio inputs and sophisticated DSP technology incorporating digital pre-equalization filters, frequency-dividing networks, and limiter circuitry from one of the industry's most trusted names in signal processing. Classic dbx Limiting functionality, dbx Type IV® analog-to-digital converters, and full bandpass and crossover configurations are all packed into the standard input module on every JBL DrivePack unit. With JBL DrivePack, dbx's heritage of unrivaled system/loudspeaker control continues.



Optional network input modules allow JBL VERTEC DP Series systems to link seamlessly into Harman Professional's HiQnet system. The modular input design allows for future developments in audio distribution and networking topologies.



The JBL DrivePack software control panel provides a wealth of system configuration, control and monitoring functions.

THE HiQnet™ ADVANTAGE

With optional network modules installed, Harman Professional's HiQnet protocol provides remote access to digital speaker preset files in the JBL DrivePack units. System setup is easy yet powerful, thanks to the JBL DrivePack G.U.I. with its intuitive, user-friendly graphical interface. A variety of control and monitoring options are available at your fingertips, integrated into Harman Pro *System Architect Software*. This provides complete control of not only your JBL DrivePack-equipped loudspeakers, but also other HiQnet-compatible audio products in the system.



POWER & CONTROL

The JBL VERTEC DP Series is a suite of fully integrated audio systems coupling industry-leading loudspeaker technology to the innovative JBL DrivePack® technology platform. It's a breakthrough in power and control for self-powered systems. JBL's VERTEC DP Series delivers superb audio quality and robust power, perfectly matched to the enclosures, with comprehensive digital signal processing unmatched by others. These new integrated audio systems, based on JBL's industry-leading VERTEC line array elements, are lightweight, powerful, and cost-effective.

Designed in cooperation with Harman Professional development partners Crown and dbx, JBL DrivePacks are designed from the ground up to exceed all expectations for loudspeaker performance, power handling and audio system control. With the VERTEC DP Series, the VT4889ADP full-size and VT4888DP mid-size line array elements and VT4880ADP and VT4882DP midsize subwoofers are available with DP-3 DrivePack units pre-configured from the factory. The VT4887ADP compact line array element is fitted with the DP-2 DrivePack and the VT4881ADP compact subwoofer is equipped with the DP-1 DrivePack.



DP
DRIVEPACK™

CONVENIENT - PORTABLE - SELF-AWARE

With the VERTEC DP Series, external power amplifier racks, multiple wiring inter-connects and complex audio control devices are replaced with plug-and-play simplicity and consistent, reliable performance. The DrivePack is attached to the back of each VERTEC DP Series enclosure, creating a seamless electro-acoustical system that offers both convenience and portability along with the unmatched reliability, accuracy and superb sound of JBL loudspeakers. And the DrivePack includes 'smart' onboard DSP functionality to communicate readiness and operational status, including a self-test cycle with lighted indicators for in-shop and on-the-road fault detection upon power-up.

LINE ARRAYS WITH LINEAGE

Since 1946, JBL has been the leader in loudspeaker technology. More than any other company, JBL Professional, following the guiding wisdom of founder James B. Lansing, has created the formats and benchmarks for large scale public entertainment - standards we now take for granted. JBL's single-handed development of revolutionary transducers, and the sound reinforcement technologies they spawned, make the JBL name synonymous with cutting edge technology and superb, legendary JBL sound.

Now, with the introduction of the VERTEC® DP Series and the DrivePack Technology Platform, JBL continues this tradition of revolutionary technological development. The innovative DrivePack technology platform, coupled with JBL's advanced transducers and lightweight enclosures, expands the usefulness and flexibility of the industry-leading VERTEC family of modular line array elements.



- 1969 - JBL transducers power Woodstock & other major rock festivals
- 1975 - JBL introduces Model 4682 "Strong Box" Line Array
- 1987 - JBL premieres First Pro Audio Neodymium compression driver
- 1989 - JBL Cone Transducers incorporate Vented Gap Cooling™
- 1991 - JBL introduces First Pro Audio Neodymium woofer
- 1995 - First-Ever dual-coil Differential Drive® Loudspeaker for Pro Sound Reinforcement
- 2000 - JBL introduces VERTEC VT4889 Line Array System
- 2005 - JBL announces VERTEC DP Series - Powered Loudspeaker Systems with JBL DrivePack®
- 2006 - JBL introduces Ultra Long Excursion 18" woofer (2000W AES)
- 2008 - JBL introduces Full-Size Powered VERTEC System Models

THE INSIDE LINE

PATENTED JBL TECHNOLOGY IS THE HEARTBEAT OF ALL VERTEC® MODELS



RADIATION BOUNDARY INTEGRATOR®

JBL's patented Radiation Boundary Integrator provides integration of the high frequency and mid-range sections of the VERTEC Line Array so that the transition across each frequency range is uninterrupted, undistorted and seamless.

PRECISION WAVEGUIDES

Full-range VERTEC systems are fitted with JBL's precision designed vertical slot-aperture waveguides which couple together to form a properly aligned, coherent wavefront for high frequencies, without destructive interferences, while maximizing the output of each driver.

INNOVATIVE DRIVERS

The VERTEC high frequency section includes the industry's most powerful compact compression drivers. Featuring lightweight neodymium magnet structures, 3" diaphragms and 1.5" exits, these innovative drivers deliver crystal clear sound with superb dynamic range.

TECHNOLOGY INSIDE THE BOX

JBL's latest generation of high-powered, lightweight transducers, coupled to our proven line array technology, is at the core of VERTEC® systems and is a direct response to the rental sound industry's demand for reduced system size and complexity while simultaneously delivering highly advanced performance. Rugged, integral array suspension hardware ensures fast, reliable setups and takedowns. For maximum inventory flexibility, most models are pre-engineered to accept the JBL DrivePack® amplifier modules with integral signal processing. These array elements – available in standard (unpowered) versions or as the VERTEC DP Series Powered Loudspeaker Systems - are ready to meet whatever system format your business operations and clients demand.



POWER-READY

Most VERTEC models come pre-configured to accept JBL DrivePack power units. These models can be ordered with the electronics assembly already installed. Non-powered models can be upgraded with the JBL DrivePack assembly and converted to powered systems. This retrofit capability is an exclusive feature of the VERTEC line.

SUSPENSION HARDWARE

All VERTEC models feature patented, suspension hardware to ensure rapid setup and securing of arrays. Robust center hingebar pins and chrome-moly steel bars, pre-treated for maximum environmental protection, are standard. Quick-release pins are fitted with stainless-steel lanyards, minimizing loose parts for optimum transport and setup efficiency.



POWERFUL MID-RANGE

The low distortion, high output design of the VERTEC mid-range drivers ensures superb fidelity and articulation in the critical midrange frequencies. The VERTEC system's midrange drivers employ JBL's exclusive Direct Cooled™ cone transducer technology for lower weight and higher output. The highly efficient cooling characteristics of the mid-range drivers ensure lower operating temperatures, greatly improved power compression characteristics and lower harmonic distortion.



DIFFERENTIAL DRIVE®

JBL's exclusive dual voice coil Differential Drive technology is at the core of all VERTEC models. This groundbreaking JBL technology dramatically reduces driver weight while greatly enhancing all critical performance parameters: frequency response, power output, and distortion. The Differential Drive technology features a unique design with heat sinks integrated into the cast aluminum frame. The dual voice coil design places the neodymium magnets inside the voice coil assembly, completing the magnetic circuit without the heavy surrounding steel structure of conventional drivers.



TRUE SUB PERFORMANCE

VERTEC series subwoofers, with 15" or 18" motors, employ dual voice coils and high peak-to-peak excursion capabilities to deliver true VLF (Very Low Frequency) performance.