dBTechnologies

DIGITAL ARRAY
SYSTEMS & SUBS

DVA **T12**
DVA **T8**
DVA **S30N**
DVA **S1521N**
DVA **S1518N**
DVA **S2585N**
DVA **S09 DP**
DVA **S08 DP**
DVA **K5**
DVA **KS20**
DVA **KS10**
DVA **MINI G2**
DVA **M2M**
DVA **M2S**
DVA **MS12**

- ***FULLY POWERED UNITS, FREELY SCALABLE TO SETUPS OF ANY SIZE***
- ***NONE OF THE IMPEDANCE AND AMP CHANNEL AVAILABILITY CONCERNS ASSOCIATED WITH PASSIVE MODELS***
- ***LOSSLESS SIGNAL PATH WITH NO NEED FOR SPEAKER CABLES***
- ***EXTREMELY TOUGH YET REMARKABLY LIGHT ENCLOSURES***
- ***DIGITAL CONTROLLER (DSP) ON-BOARD FOR UTMOST OPERATING SAFETY***

Line array technology has revolutionized sound reinforcement, particularly for large venues and events. Arraying several speaker cabinets vertically is a far more effective method of delivering and directing sound. Line array's signal levels do not drop off as steeply with increasing distance as is the case with conventional systems. What's more, their patterns of throw are very wide despite the systems' lean configurations. Until recently this technology saw limited use mainly in large, elaborate, and costly projects and installations. But with arrival of DVA, true line array technology is now available for a wide range of portable and permanent sound reinforcement applications.

Factoring all the many different parameters and users' needs into the design equation, the dBTechnologies team of engineers developed a line array system that is easy to configure, exceedingly light, and tremendously versatile. What's more, the managed to take all these vital criteria into account without imposing limits on curving capacity and the number of arrayed components. Called DVA, this system makes the most of line array technology's considerable audio benefits.

Leveraging state-of-the-art technologies, materials, and many years experience developing powered speaker systems, dBTechnologies has turned up a line array series that raises the performance bar for handling, versatility, and return on investment.

dBTechnologies has a competitive edge. Our engineers' deep insight into power electronics, DSP programming, acoustics, mechanics, materials, and manufacturing practices enables us to independently develop innovative solutions in each of these areas. Such comprehensive R&D proficiency puts us in a unique position: we are able to transform inspired ideas into premium-quality products that deliver outstanding performance at an unrivalled price-point.

The DVA series stands as a shining example of this all-around ability. Nowhere are the benefits of integrated amps, active crossovers, and processor-driven control more apparent than in DVA three-way line array units.

3-WAY ACTIVE / *Line Array Module*

DVA T12

The global group of dBTechnologies companies develops and manufactures individual speaker components autonomously, and often specifically for the given application. We do not subscribe to the practice of equalizing and optimizing speakers with elaborate technology to bring them up to our standards. Instead, it has been our long-standing policy to build from the bottom up components with specs tailored to deliver the best audio performance for the application.

DVA T12 is a step up the evolutionary ladder from the successful DVA T4 line array system. Although it provides more power and has greater range, its active three-way design makes it just as easy to set up and install as its predecessor.

Full of *Technology*

RDNET · digipro G2 AMP · I.P.O.S · Composer SOFTWARE · USB BURNER · RAIN COVER ON BOARD · DFC · White VERSION AVAILABLE

LONG-THROW SYSTEM

FULLY POWERED 3-WAY UNIT

FREELY SCALABLE TO SETUPS OF ANY SIZE

LOSSLESS SIGNAL PATH WITH NO NEED FOR SPEAKER CABLES

SEQUENTIALLY CONFIGURABLE ARRAY SEGMENTS

HIGH-END DIGITAL CONTROLLER (DSP) ON BOARD

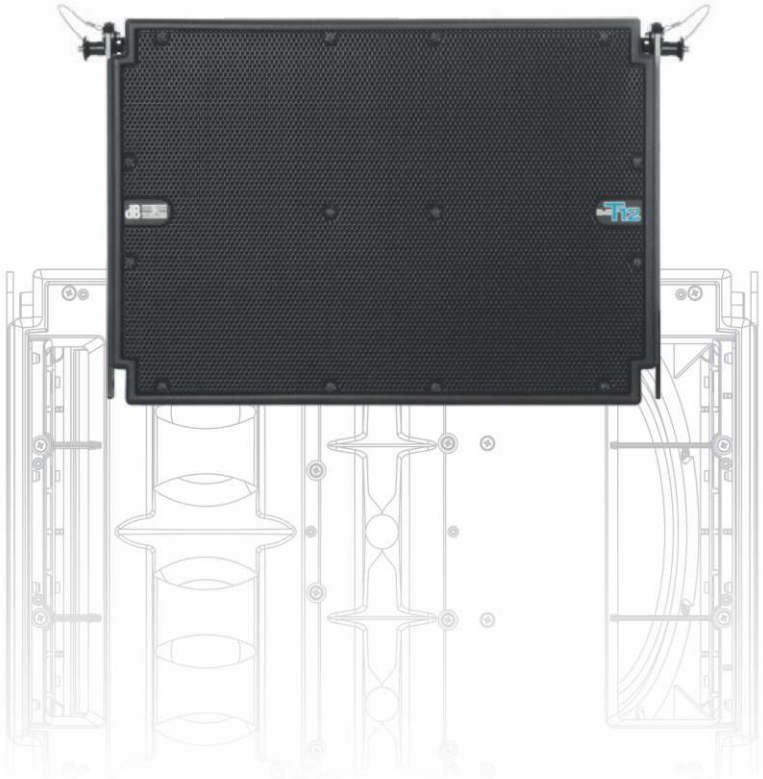
NETWORK-READY WITH AN INTEGRATED RDNET PORT

HARDWARE COMPATIBLE WITH DVA T8 AND T4 SYSTEMS

DVA T12

The DVA T12 features state-of-the-art neodymium speakers and high-performance digital amps with total of 1,410W output power.

In combination with top-drawer DSP and premium quality AD-DA converter, it delivers high-definition sonic images with massive SPL for large sound reinforcement applications.



Weighing just 29kg (63.93 lbs), this remarkably compact unit belies its unobtrusive look by enabling you to set up very powerful line arrays that deliver extraordinary performance.

Technical Data

Speaker Type: 3-Way Active Line Array Module

Acoustical data

Frequency Response [- 6dB]: 60 - 19.000 Hz
Max SPL: One Unit: 136 dB
HF: 3x1"
Voice Coil HF: 1.4"
MF: 2x 6.5"
Type MF: Neodymium Sealed Basket Phase Plug Horn Loaded
Voice Coil MF: 2"
LF: 12"
Type LF: Neodymium
Voice Coil LF: 3"
Directivity: 100x10° Single unit

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 1410 W
Peak Power: 2820 W
HF Amp: 350 W RMS (700 W Peak)
MF Amp: 350 W RMS (700 W Peak)
LF Amp: 710 W RMS (1420 W Peak)
Cooling: Convection

Processor

Controller: DSP 28/56 bit
AD/DA Converter: 24 bit/96 kHz
System Presets: 9 (8x HF/Low-mid correction)
Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal
Crossover Frequency MF-HF: 1800 Hz
Slope MF-HF: 24 dB/Octave
Crossover Frequency LF-MF: 420 Hz
Slope LF-MF: 24 dB/Octave

Input/Output Section

Signal Input: 1x XLR fem, Bal.
Signal Output: 1x XLR male, Bal.
Network: RDNet remote control RJ45 connector IN/OUT
Power Socket: 1x PowerCon In 1x PowerCon Out
Voltage Range: 90 - 240 V~

Mechanics

Housing: Polypropylene PP Aluminium reinforced
Housing Design: Trapezoidal 10°
Rain cover: Included
Rigging Points: Integrated rigging hardware
Width: 580 mm (23.2 in)
Height: 386 mm (15.44 in)
Depth: 430 mm (17.2 in)
Weight: 29,9 kg (63.93 lbs)

DVA T12

Ground stacks

DRK-10 and DRK-20 harnesses can also serve to stack cabinets on the ground when rigging points are unavailable or the ceiling is too low. A special bracket adjusts the inclination down to 7.5°. The DRK-10/20 fits perfectly on an upright DVA S30 subwoofer. Equipped with two receptacles for quick-release pins, it is readily attached without tools.

The DVA S30 subwoofer sports two 18" speakers, a bass reflex horn, a 3000W power amp, and an internal DSP. (To learn more about it, see the chapter entitled Active Subwoofer).

✦ LINE ARRAY BENEFITS IN GROUND-STACKED CONFIGURATIONS

Compatible with DVA T8

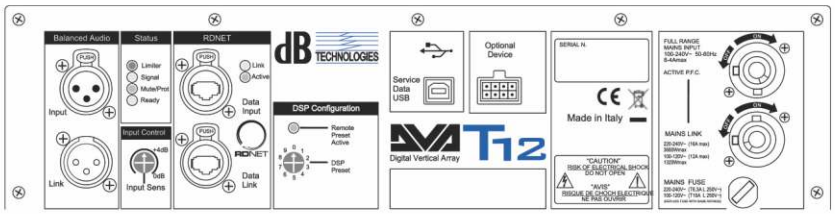
DVA T12 and DVA T8 series housings and rigging hardware are compatible.

This means DVA T8 units may be flown right below a T12 array for use as down-fills in large PA systems.

✦ COMPATIBLE DVA T8'S MAY SERVE AS FAR-FILL EXTENSIONS

Simple system configuration & networked remote control

Presets containing gain structure and EQs for the near-field/mid-field and far-field positions can be easily selected using the rear mounted rotary encoder or via RDNet protocol with Aurora Net software. This application also allows complete surveillance and control of the system assuring best performance and total safety.



3-WAY ACTIVE / *Line Array Module*

DVA T8

DVA T8 is the most advanced incarnation of a string of successful line array systems that started with the DVA T4. Loaded with state-of-the-art neodymium woofers, the DVA T8 features a high-performance digital power amp with 700W RMS total output, a high-end 28/56-bit DSP, and premium-quality AD-DA converters.

These superior components come together to deliver superior audio quality and high SPL. Remarkably easy to handle, this lightweight, 14.2kg line array's powerful performance belies its look of subdued elegance and small footprint.

It's hard to believe that something so petite can pack such a mighty punch.

Full of *Technology*

RDNET · digipro G2 AMP · I.P.O.S · Composer SOFTWARE · USB BURNER · RAIN COVER ON BOARD · DFC · White VERSION AVAILABLE

3-WAY ACTIVE WITH A 700W/RMS DIGITAL POWER AMP

HIGH-END 56-BIT DSP ON BOARD

96 KHZ SAMPLING RATE

NETWORK-READY WITH AN INTEGRATED RDNET PORT

SIX MODULES CONNECTED TO ONE 16A PHASE PLACE

LOSSLESS SIGNAL PATH WITH NO NEED FOR SPEAKER CABLES

ACOUSTICALLY COMPATIBLE WITH THE DVA T12

MECHANICALLY COMPATIBLE WITH THE DVA T12

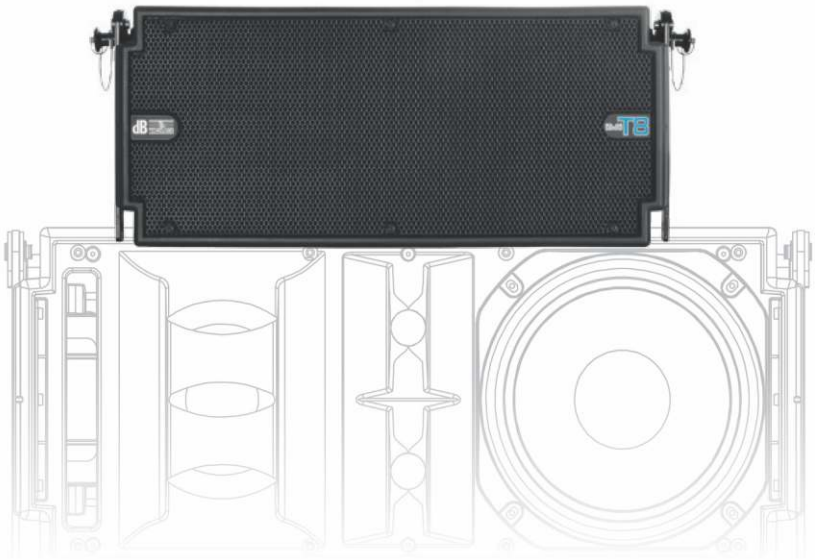
DVA T8

DVA T8

Top Performance Paired with Total Control

The DVA T8 is a fully active, three-way speaker system equipped with the same innovative technologies that feature so prominently in the DVA T12.

Its power supply, DSP, power amps, woofers and drivers were all developed and painstakingly tuned specifically for the DVA T8 system by the dBTechnologies team of engineers.



Precise directivity

The DVA T8 sports constant directivity horns, HF drivers, and midrange woofers optimized to deliver a uniform 100°-by-15° coverage pattern. It makes the most of two acoustical effects to help distribute SPL evenly.

One is the vector addition of individual horns' output; the other is cylindrical wave formation. These two effects come together to create a uniform coverage pattern that is easily adapted to different venues by varying the length of the array and adjusting the splay between individual components.

- UNIFORM COVERAGE PATTERN
- EVENLY DISTRIBUTED SPL

Technical Data

Speaker Type: 3-Way Active Line Array Module

Acoustical data

Frequency Response [- 6dB]: 66 - 18.000 Hz
Max SPL: One Unit: 132 dB
HF: 2x 1"
Voice Coil HF: 1.4"
MF: 1x 6.5"
Type MF: Neodymium Sealed Basket Phase Plug Horn Loaded
Voice Coil MF: 2"
LF: 8"
Type LF: Neodymium
Voice Coil LF: 2.5"
Directivity: 100x15° Single unit

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 700 W
Peak Power: 1400 W
HF Amp: 175 W RMS (350 W Peak)
MF Amp: 175 W RMS (350 W Peak)
LF Amp: 350 W RMS (700 W Peak)
Cooling: Convection

Processor

Controller: DSP 28/56 bit
AD/DA Converter: 24 bit/96 kHz
System Presets: 9 (8xHF and Low-mid correction)
Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal
Crossover Frequency MF-HF: 1900 Hz
Slope MF-HF: 24 dB/Octave
Crossover Frequency LF-MF: 400 Hz
Slope LF-MF: 24 dB/Octave

Input/Output Section

Signal Input: 1x XLR fem, Bal.
Signal Output: 1x XLR male, Bal.
Network: RDNet remote control RJ45 connector IN/OUT
Power Socket: 1x Powercon In + 1x Powercon Out
Voltage Range: 90 - 240 V~

Mechanics

Housing: Polypropylene PP Metal reinforced
Housing Design: Trapezoidal 15°
Rain cover: Included
Rigging Points: Integrated rigging hardware
Width: 580 mm (23.2 in)
Height: 240 mm (9.6 in)
Depth: 327 mm (13.08 in)
Weight: 14.2 kg (31.3 lbs)

DVA T8

Extraordinary dynamic range and natural sound

The DVA T8's signal processors and AD/DA converters were engineered to achieve transcendent sound quality with great fidelity and dynamic range with 56-bit digital signal processing at a sampling rate of 96 kHz.

DSPs equalize every signal path, aligning phases and time, and handle loads with digital peak, RMS, and thermal limiters to maximize operating safety, power management and performance even at threshold levels.

- EXCELLENT AUDIO SPECS
- PERFECT SYSTEM EQUALIZATION

Easy setup - configuration at the touch of a button

The DVA T8's DSP offers eight system presets that adapt the unit to its assigned task in the array.

They adjust the gain structure and EQ for the near-field/midfield and far-field positions to compensate for high frequencies absorbed by air as well as for low/midrange frequency coupling as the array length increases. No further manual adjustments are necessary. All presets may be selected using the rear-mounted rotary encoder or downloaded from a PC using RDNet software.

- SIMPLEST SYSTEM CONFIGURATION
- VERY FAST SETUP

SMPS with PFC for consistently superb performance

The DVA T8's power supply consists of independent networked devices. Incorporating the latest IT technology, it was engineered to maximize operating safety, efficiency, and performance.

The main 750W power supply provides plenty of juice to the power amps and features PFC (power factor correction). A secondary power supply feeds the microcontrollers and the DSP, and serves to ramp up check routines and the main power supply. The smart IPOS™ (Intelligent Power-On Sequence) circuit keeps the overall system's inrush current low.

- WIDE-RANGE 90-TO-240V SMPS POWER SUPPLY WITH PFC
- IPOS™ CIRCUIT FOR LOW INRUSH CURRENT

Handling, Stacking and Flying Cabinets

The DVA T8 comes with built-in rigging hardware. The splay between enclosures may be adjusted in incrementally from 0° to 15°. The DRK-10 harness holds up to 16 flown T8 units. At just 14.2 kg, the DVA T8 is exceptionally light so an array with six elements weighs less than 100 kg. This is an advantage greatly appreciated by everyone who handles and transports the array.

A single person can rig up and fly the system, even from trusses and towers rated to handle lighter loads.

- VERY LIGHT POINT LOAD
- PRECISE ALIGNMENT
- DRK-10 HARNESS FLIES UP TO 16 UNITS

HIGH PERFORMANCE / *Subwoofer Systems*

DVA SUBS

DVA bass bins are loaded with state-of-the-art, high-performance subwoofers.

Equipped with powerful woofers, featuring voice coils ranging to up to 4" diameters, these units' load handling capacity is extremely high, and their transient response is remarkably faithful.

The dual ventilation system minimizes heat buildup and power compression while helping to maximize loading handling capacity and reliability.

The woofers feature a fiberglass-reinforced diaphragm, an exceedingly robust triple-roll surround, and a geometrically optimized cone. All this culminates in peak-to-peak excursion capabilities ranging up to 48 mm.

Full of *Technology*

VARIABLE CROSSOVER FREQUENCIES

PRECISE LIMITER FUNCTIONS

ON BOARD DELAY FOR PERFECT TIME ALIGNMENT

PRESET FOR CONFIGURING CARDIOID SYSTEMS

SETTINGS ACCESSIBLE VIA A ROTARY ENCODER

X-OVER OUT

RDNET NETWORK PORT

These subwoofers are driven by digipro® G2 digital power amps with up to 3000W output. Digipro® G2 technology is so very efficient that it does not require fans. With no moving parts to tend to, these amps are altogether maintenance-free.

Equipped with PFC switched-mode power supplies, they are largely impervious to line voltage fluctuations, which is a tremendous asset in a touring rig.

Our network-enabled DVA subwoofers are designated by an "N" in the product name. They feature a premium-quality DSP boasting excellent audio specs with variable crossover frequencies, precise limiter functions and adjustable delay settings for perfect time alignment.

A special preset makes it easy to set up cardioid systems with enhanced directivity. Settings are readily adjusted using the rear-mounted rotary encoder. The DSP also provides an X-Over output for connecting satellites (in stereo on S08 and S09 units).

Factory-equipped with an RDNet port, these subwoofers are ready for integration into elaborate, remotely controlled and monitored DVA T12 sound reinforcement systems via RJ45 inputs and outputs that connect the units to the RDNet hub.

Made of sturdy multiplex covered in robust black textured lacquer, the subwoofer housing is fronted with a rugged speaker grille. The enclosure is easy to tote with its comfortable carrying handles.

Optional dust covers protect it on the go. With 16 threaded bushings each on their rear panels, the S09, S10, S30N, S1518N, 1521N and S20 bins are ready to accept Blue Wheels. Retrofitted with the appropriate fly kit, S09, S10, 1518N and 2585N subwoofers are easily rigged and flown.

SUBS

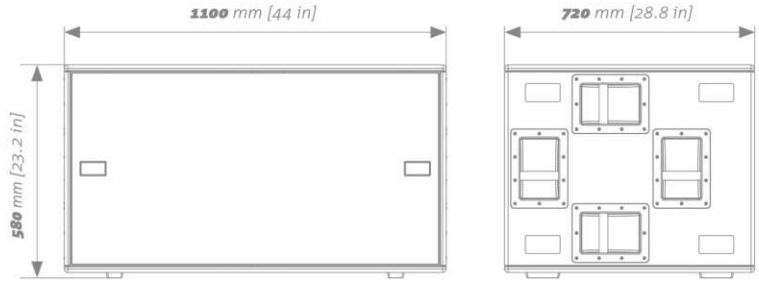
DVA S30 N

DVA S30 N Subwoofer, 2x 18" Bassreflex Horn Loaded

Featuring a dual 18" subwoofer pairing in a bass reflex housing, the DVA S30 packs a muscular, ultra lowfrequency punch.

It delivers very powerful performance indeed with a range extending down to the lowest frequencies.

This sub-bass powerhouse is the perfect addition to large PAs and an excellent complement to DVA T12 mid-/high-range units in stacked arrays.



Bass reflex horn housing

This sophisticated hybrid design brings together the benefits of bass reflex and horn systems in a compact housing engineered to render low frequencies with high SPL.

The two baffle boards are arrayed in the form of a V. They guide the central bass reflex channel's sound energy into the horn's port. This funneling action is smooth and uniform, greatly increasing its range.

The high-quality multiplex housing is covered in robust black textured lacquer and equipped with eight carrying handles.

On the back is a transport dolly that removes easily via quick-release pins to keep the wheels from rattling.

Technical Data

Speaker Type: Active Bassreflex-Horn Subwoofer

Acoustical data

Frequency Response [+/-3dB]: 30 - 120 Hz
Max SPL: 141 dB
Directivity: Omnidirectional,
Cardiod Option with DSP setup
LF: 2x18"
Voice Coil LF: 4"

Amplifier

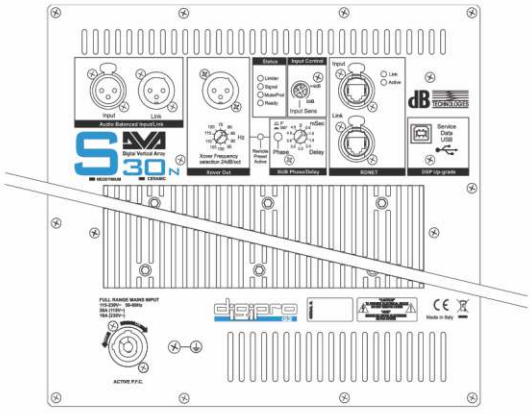
Amp Technology: Digipro® G2
Amp Class: Class-D
Power Supply: 3 kW SMPS with PFC
RMS Power: 3000 W
Peak Power: 6000 W
Cooling: Convection

Processor

Controller: DSP 28/56 bit
AD/DA Converter: DSP 24 bit/96 kHz
System Presets: X-Over, Delay
Phase: 0, 180°
Limiter: RMS, Peak, Thermal
Delay Option: 0-4.5 ms internal
Crossover Frequency LF-HF: 75-120Hz|steps of 5Hz
LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex plywood
Housing Design: Rectangular
Handles: 4x Per Side
Accessory: Dolly, Wheels 100mm,
Dust Cover, Rain Cover
Rigging Points: 2xPick Points on top to fix
DRK10/20 rigging frames
Width: 1100 mm (44 in)
Height: 580 mm (23.2 in)
Depth: 720 mm (28.8 in)
Weight: 83 kg (182.98 lbs)



DIGITAL
ACTIVE SYSTEMS

DVX **D8 HP**
DVX **D10 HP**
DVX **D12 HP**
DVX **D15 HP**
DVX **DM12 TH**
DVX **DM15 TH**
DVX **DM28**
DVX **DM12**
DVX **DM15**

- ***VERSATILE AND ROBUST***
- ***DVX MULTIFUNCTIONAL SYSTEMS***
- ***HIGH-QUALITY SPEAKER COMPONENTS***
- ***ENTIRE ACTIVE SYSTEM DESIGN EASD***

The DVX series combines dBTechnologies digipro®G2 power amp technology and state-of-the-art transducers to raise the bar several notches for sound pressure, performance, and response.

Boasting an impressive feature set comprising high quality input board, multifunctional multiplex housings equipped with rigging points and rails, flexible configuration options, and an unrivalled price-to-performance ratio, DVX systems are discerning professionals' go-to solutions for a vast range of applications.

Alongside the four multifunctional two-way systems, the DVX line also comprises the three DM28, DM12, and DM15 low-profile stage monitors. All models feature high-quality loudspeaker chassis. Innovative, high-performance dBTechnologies digipro®G2 powaer amps deliver impressive 900W each to drive these advanced speakers.

Specially designed, rotatable high-frequency horns provide very clean and constant directivity. All high-frequency horns are made of aluminum to help keep their drivers cool.

The integrated DSP carries out various tasks involved in controlling digipro®G2 power amps, serving as active equalizer, x-over, high-pass filter, as well as performing audio setup tasks, aligning phases and delay time, and controlling the limiter to ensure utmost reliability and operating safety.

All DVX Series models come in a professional-grade multiplex housing equipped with PowerCon mains connectors and a rugged metal grille backed withlaminated acoustic foam rubber. D12 HP and D15 HP models feature high-quality aluminum grips, a pole mount, and a rigging system. DM12 and DM15 monitors are also equipped with a pole mount.

PROFESSIONAL / *Active Speakers*

DVX D8 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [- 10dB]: 75 - 20.000 Hz
Frequency Response [- 3dB]: 100 - 19.000 Hz
Max SPL: 125 dB
HF: 1"
Voice Coil HF: Titanium 1.7"
Directivity: 90x70°
Horn: CD Horn Aluminium
Rotatable Horn: YES
LF: 8"
Voice Coil LF: 2"

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 400 W
Peak Power: 800 W

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1800 Hz

Mechanics

Housing: Multiplex plywood
Housing Design: Multifunctional
Angles Up: Monitor use 45°
Rigging Points: 6x M8 2x 10mm Quick Release for DTF-bracket
Width: 250 mm (10 in)
Height: 425 mm (17 in)
Depth: 260 mm (10.4 in)
Weight: 9.7 kg (21.38 lbs)

DVX D10 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [- 10dB]: 70 - 20.000 Hz
Frequency Response [- 3dB]: 85 - 19.000 Hz
Max SPL: 127 dB
HF: 1"
Voice Coil HF: Titanium 1.7"
Directivity: 90x70°
Horn: CD Horn Aluminium
Rotatable Horn: YES
LF: 10"
Voice Coil LF: 2.5"

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 600 W
Peak Power: 1200 W

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1600 Hz

Mechanics

Housing: Multiplex plywood
Housing Design: Multifunctional
Angles Up: Monitor use 45°
Rigging Points: 6x M8 2x 10mm Quick Release for DTF-bracket
Flytracks: 3x on top 3x on bottom
Width: 290 mm (11.6 in)
Height: 510 mm (20.4 in)
Depth: 310 mm (12.4 in)
Weight: 15.8 kg (34.83 lbs)

DVX D12 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [- 10dB]: 55 - 20.000 Hz
Frequency Response [- 3dB]: 68 - 19.000 Hz
Max SPL: 131 dB
HF: 1.4"
Voice Coil HF: 2.5"
Directivity: 60x40°
Horn: CD Horn Aluminium
Rotatable Horn: YES
LF: 12"
Voice Coil LF: 3"

Amplifier

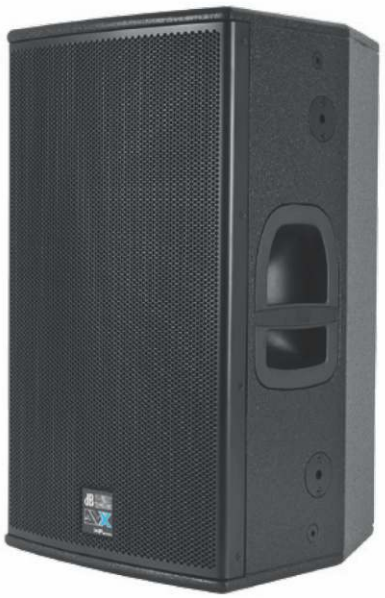
Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 700 W
Peak Power: 1400 W

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1350 Hz

Mechanics

Housing: Multiplex plywood
Housing Design: Multifunctional
Angles Up: Monitor use 45°
Rigging Points: 6x M10 4x Quick-Release Pins
Flytracks: 3x on top 3x on bottom
Width: 370 mm (14.8 in)
Height: 625 mm (25 in)
Depth: 395 mm (15.8 in)
Weight: 27.5 kg (60.63 lbs)



DVX D15 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [- 10dB]: 49 - 20.000 Hz
Frequency Response [- 3dB]: 57 - 19.000 Hz
Max SPL: 132 dB
HF: 1.4"
Voice Coil HF: Titanium 2.5"
Directivity: 60x40°
Horn: CD Horn Aluminium
Rotatable Horn: YES
LF: 15"
Voice Coil LF: 3.5"

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 700 W
Peak Power: 1400 W

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1320 Hz

Mechanics

Housing: Multiplex plywood
Housing Design: Multifunctional
Angles Up: Monitor use 45°
Rigging Points: 6x M10 4x Quick-Release Pins
Flytracks: 3x on top 3x on bottom
Width: 430 mm (17.2 in)
Height: 690 mm (27.6 in)
Depth: 450 mm (18 in)
Weight: 30.3 kg (66.8 lbs)

DM12 TH
DM15 TH

DVX DM TH: it's not just an upgrade of the well-known series DVX DM digital monitors, it is rather a brand new line. These products are exclusively aimed to fulfill the requirements of musicians and stage engineers.

The DVX TH series is equipped with neodymium heavy-duty woofers, 12" or 15", with 4" voice coil. Besides it features top-class neodymium compression drivers, 1500W RMS Digipro™ amplifiers and Switched Mode Power Supply with PFC. These features provide the musicians with an excellent listening, even on the most demanding and loud stages. DVX TH ensures a sound quality and intelligibility without compromise.

The models DVX DM12 TH and DM15 TH can reach elevate SPL levels, maintaining both a linear response and an impressive punch. At the same time it will keep unaltered the DVX DM's typical dimensions and versatility.

Full of *Technology*

- ***1500W RMS DIGIPRO™ CLASS-D AMPLIFIERS***
- ***STATE-OF-THE-ART NEODYMIUM TRANSDUCERS***
- ***ROTATABLE FRONTAL PANEL (LEFT-RIGHT CONFIGURATION)***
- ***DOUBLE EQ PRESET ON-BOARD***
- ***INPUT AND OUTPUT PANELS ON BOTH SIDES***
- ***SMPS WITH ACTIVE PFC (FROM 100V~ TO 240V~)***

DM TH

DVX D12 TH

Technical Data

Speaker Type: 2-way Active Stage Monitor

Acoustical data

Frequency Response [- 6dB]: 63 - 16.000 Hz
Frequency Response [- 10dB]: 59 - 18.000 Hz
Max SPL: 136 dB
HF: 1.4"
Type HF: Neodymium
Voice Coil HF: 2.5"
Horn: Aluminum rotatable horn
LF: 12"
Type LF: Neodymium
Voice Coil LF: 4"
Directivity: 40x90°

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 1500 W
Peak Power: 3000 W
LF: 750 W RMS @4 Ohm
HF: 375 W RMS @8 Ohm
Cooling: Single fan

Processor

Controller: DSP 56 bit
AD/DA Converter: 24 bit/48 kHz
System Presets: Flat EQ, TH EQ
Limiter: Dual active, Multiband, RMS/Peak, Thermal
Crossover Frequency LF-HF: 1070 Hz
Slope LF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex plywood - Polyurea painting
Advanced features: Rotatable front panel (left or right monitor customization)
Angles Up: 35°, 55°
Handles: 1x left side, 1x right side
Width: 670 mm (26.4 in)
Height: 325 mm (12.8 in)
Depth: 405 mm (15.9 in)
Weight: 24.5 kg (54 lbs)

DVX D15 TH

Technical Data

Speaker Type: 2-way Active Stage Monitor

Acoustical data

Frequency Response [- 6dB]: 55 - 16.000 Hz
Frequency Response [- 10dB]: 47 - 18.000 Hz
Max SPL: 136 dB
HF: 1.4"
Type HF: Neodymium
Voice Coil HF: 2.5"
Horn: Aluminum rotatable horn
LF: 15"
Type LF: Neodymium
Voice Coil LF: 4"
Directivity: 40x90°

Amplifier

Amp Technology: Digipro® G2
Amp Class: Class-D
RMS Power: 1500 W
Peak Power: 3000 W
LF: 750 W RMS @4 Ohm
HF: 375 W RMS @8 Ohm
Cooling: Single fan

Processor

Controller: DSP 56 bit
AD/DA Converter: 24 bit/48 kHz
System Presets: Flat EQ, TH EQ
Limiter: Dual active, Multiband, RMS/Peak, Thermal
Crossover Frequency LF-HF: 1070 Hz
Slope LF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex plywood - Polyurea painting
Advanced features: Rotatable front panel (left or right monitor customization)
Angles Up: 35°, 55°
Handles: 1x left side, 1x right side
Width: 735 mm (28.9 in)
Height: 355 mm (14 in)
Depth: 447 mm (17.6 in)
Weight: 28.5 kg (62.8 lbs)

Power. *Unleashed.*

An incredible output

A masterpiece of power, quality and Italian design. The DVX DM TH's monitors are the outcome of the collaboration between some of the most important touring professionals and dBTechnologies R&D staff. As a result of this synergy, these products feature acoustic responses and performances that suit the most prestigious stages of the international scene.

Thanks to an incredibly high SPL, considering its dimensions, the TH is suitable for every circumstance; besides, its frequency response can be regulated trough two preset equalizations: Flat EQ and TH EQ.

The DM12 TH and DM15 TH monitors feature the phase plug technology, providing a correction of the phase and frequency response of the 12" (or 15") woofer. The results are a coherent horizontal coverage and a great definition of the mid-frequencies.

The stage monitors have a multiplex plywood, painted with polyurea, in order to guarantee excellent touring-proof resistance and durability.

Left or right in a flash

The DVX DM TH offers a unique feature that is functional to meet the requirements of the most exigent professionals. In few minutes, you can regulate the monitor's orientation, rotating the whole frontal panel. The internal geometry of the speaker will be so inverted, moving the horn from the left side to right side, or vice versa. It is now possible to consistently couple two adjacent monitor HF horns and avoid comb filters.

You will be able to discern if a monitor is in a right or left configuration in every moment. Despite the grid has been remounted, a logo will indicate the internal disposition of the transducers.

For a vertical usage (like a drumfill system), it is also possible to rotate the monitor's CD aluminum horn, in order to optimize the speaker's dispersion and adapting it to the new configuration.

Hidden handles and floor coupling

The innovative positioning of the connectors panels makes the wiring even more intuitive. Having the inputs (PowerCon and XLR) on one side and the links on the other one (PowerCon and XLR), the stage will be orderly, without any cable visible.

Besides, this disposition enables the positioning of the adjacent monitors, without any space between the two boxes. As a result, the coupling effect - as well as the stage look - will be optimized.

DVX DM28

Technical Data

Speaker Type: 2-Way Active Stage Monitor

Acoustical data

Frequency Response [- 10dB]: 60 - 20.000 Hz
Frequency Response [- 3dB]: 70 - 19.000 Hz
Max SPL: 130 dB
HF: 1"
Type HF: Neodymium Compression Driver
Voice Coil HF: Titanium 1.75"
Directivity: 60/40x90°
Horn: Asymmetrical
LF: 2x8"
Type LF: Neodymium
Voice Coil LF: 2.5"

Amplifier

Amp Technology: Digipro®
Amp Class: Class-D
RMS Power: 750 W
Peak Power: 1500 W
Cooling: Convection

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1600 Hz
Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex plywood
Housing Design: Low Profile Multifunctional
Angles Up: 30°, 60°
Width: 480 mm (19.2 in)
Height: 265 mm (10.6 in)
Depth: 418 mm (16.72 in)
Weight: 14 kg (30.86 lbs)

Stage Monitor

Unlike conventional multifunctional speakers, the DVX DM is a prograde performer developed specifically for use as a floor monitor.

Optimized to resist feedback even at extremely high levels, it delivers the true-to-nature response and dynamic balance that today's artists demand.

The integrated digipro® digital power amps deliver the requisite output. The switched mode power supplies with PFC ensure touring rigs get all the juice they need to perform at their peak even when a venue's mains power is weak and voltage is low.

The on-board controller encompasses an active equalizer, active x-over including phase and time alignment, limiters, and switchable system presets that adapt the monitor's performance to suit the given application.Made of rugged multiplex and coated with tough black lacquer, the cabinet sets up at two different angles.

Specially designed, rotatable high-frequency horns provide very clean and constant directivity. By rotating the horn, the directivity of high frequencies can be adjusted, no matter if the cabinet is mounted horizontally or vertically.

A great and professional feature for fixed install purposes or when a multifuntional speaker is used as stage monitor.

DVX DM12

Technical Data

Speaker Type: 2-Way Active Stage Monitor

Acoustical data

Frequency Response [- 10dB]: 55 - 20.000 Hz
Frequency Response [- 3dB]: 68 - 19.000 Hz
Max SPL: 131 dB
HF: 1.4"
Type HF: Neodymium Compression Driver
Voice Coil HF: Titanium 2.5"
Directivity: 40x90°
Horn: CD Horn Aluminium
Rotatable Horn: YES
LF: 12"
Type LF: Neodymium
Voice Coil LF: 3"

Amplifier

Amp Technology: Digipro®
Amp Class: Class-D
RMS Power: 750 W
Peak Power: 1500 W
Cooling: Convection

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1350 Hz
Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex plywood
Housing Design: Low Profile Multifunctional
Angles Up: 35°, 55°
Rigging Points: 6x M10 4x Quick-Release Pins
Width: 660 mm (14.8 in)
Height: 305 mm (25 in)
Depth: 378 mm (15.8 in)
Weight: 17.5 kg (55.12 lbs)

DVX DM15

Technical Data

Speaker Type: 2-Way Active Stage Monitor

Acoustical data

Frequency Response [- 10dB]: 50 - 20.000 Hz
Frequency Response [- 3dB]: 59 - 19.000 Hz
Max SPL: 132 dB
HF: 1.4"
Type HF: Neodymium Compression Driver
Voice Coil HF: Titanium 2.5"
Directivity: 40x60°
Horn: CD Horn Aluminium
Rotatable Horn: YES
LF: 15"
Type LF: Neodymium
Voice Coil LF: 3.5"

Amplifier

Amp Technology: Digipro®
Amp Class: Class-D
RMS Power: 750 W
Peak Power: 1500 W
Cooling: Convection

Processor

Controller: DSP 24 Bit/48 kHz
System Presets: Flat, Monitor
Limiter: RMS, Peak, Thermal, Multiband
Crossover Frequency MF-HF: 1320 Hz
Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex plywood
Housing Design: Low Profile Multifunctional
Angles Up: 35°, 55°
Rigging Points: 6x M8
Width: 734 mm (29.36 in)
Height: 338 mm (13.52 in)
Depth: 442 mm (17.68 in)
Weight: 21 kg (46.3 lbs)

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