

Rental & Installation **2017**



dBTechnologies

Product Index

AEB Industriale s.r.l., founded in 1974 in Bologna, Italy, operates in the Professional Audio market under the brand dBTechnologies and is part of Pro Audio industry leader RCF Group.

AEB Industriale headquarters are located in Bologna where all dBTechnologies products are designed and developed.

Over the years, thanks to a policy of considerable investments in R&D, design and manufacturing technologies, dBTechnologies products have gained substantial recognition for some groundbreaking technological innovations, as well as their inherent standards of quality.

In particular, dBTechnologies has been one of the industry's trailblazers in active speaker & digital amplifier technologies, while giving a major emphasis to details and design.

A constant research on new materials and technologies, together with the ability to create unique design solutions, are the key ingredients for an ever-increasing market share and success.

In January 2016, the brand was distributed in more than 100 countries worldwide, providing installation companies, rental companies, sound designers and musicians with audio equipment combining Made in Italy design with top-quality sound performance.

dBTechnologies

VIO Series

VIO L210	Active Line Array Module	5
VIO S118 NEW 2017	Active Subwoofer	9
VIO S318	Active Subwoofer	12
VIO Accessories	14

DVA Series

DVA T12	Active Line Array Module	17
DVA T8	Active Line Array Module	21
DVA S30 N	Active Subwoofer	26
DVA S1521 N	Active Subwoofer	27
DVA S1518 N	Active Subwoofer	28
DVA S2585 N	Active Subwoofer	29
DVA S09 DP	Active Subwoofer	30
DVA S08 DP	Active Subwoofer	31
DVA K5	Active Line Array Module	33
DVA KS20	Active Subwoofer	35
DVA KS10	Active Subwoofer	36
DVA M2M + M2S	Active Line Array Module	37
DVA M2P	Passive Line Array Module.....	41
DVA MS12	Active Subwoofer	42
DVA Accessories	44

DVX Series

DVX D8 HP	Active Speaker	51
DVX D10 HP	Active Speaker	51
DVX D12 HP	Active Speaker	52
DVX D15 HP	Active Speaker	52
DVX DM12 TH	Active Stage Monitor	53
DVX DM15 TH	Active Stage Monitor	53
DVX DM28	Active Stage Monitor	56
DVX DM12	Active Stage Monitor	57
DVX DM15	Active Stage Monitor	57

DVX P Series

DVX P8	Passive Speaker	59
DVX P10	Passive Speaker	59
DVX P12	Passive Speaker	60
DVX P15	Passive Speaker	60
DVX P215	Passive Speaker	61
DVX PSW15	Passive Subwoofer.....	61
DVX PSW18	Passive Subwoofer.....	62
DVX PSW218	Passive Subwoofer.....	62
DVX Accessories	63

MOVING D

MOVING D	UHF Wireless Microphone System.....	65
MOVING D Accessories	66



VIO L210
VIO S118
VIO S318

Active Line Array *Systems & Subs*

- FULLY POWERED UNITS SUITABLE FOR MEDIUM TO LARGE SCALE APPLICATIONS
- INNOVATIVE ACOUSTIC DESIGN COMBINING LONG THROW AND DETAILED AUDIO PERFORMANCE
- UNIQUE RIGGING HARDWARE TO SMOOTH AND SPEED UP SET UP OPERATIONS
- ADVANCED REMOTE CONTROL VIA RDNET
- DIGITAL CONTROLLER (DSP) ON-BOARD FOR UTMOST OPERATING SAFETY

In the last 10 years, since DVA series' launch on the pro audio market, dBTechnologies has set new standards in the sound reinforcement industry, bringing the benefits of line array technology to a much wider range of users. With the new VIO series dBTechnologies is ready to step up to the next level, presenting a fully powered line array and sub series intended for large sound reinforcement applications.

Making the most of many years experience developing powered speaker systems, alongside with innovative solutions in acoustic design and digital sound processing, dBTechnologies created a line array solution able to face smoothly professional production requirements. Freshly designed wood cabinets, premium components, last generation amplifying technology, as well as an advanced DSP programming, come

together to deliver imposing sound pressure levels combined with an outstanding control of dispersion and a detailed, clear cut audio performance. In addition to that, all the VIO systems can be easily controlled via RDNet protocol and, last but not least, the line array modules features an integrated rigging system and dedicated accessories in order to ensure simple and quick configuration and set up operations.

2-Way Active Line Array Module

VIO L210

As a result of many years' experience developing new solutions for powered line array systems, VIO L210 reaches the next level among dBtechnologies' speaker range aimed at larger sound reinforcement applications. The internal acoustic design and sound processing developed by dBtechnologies' R&D department merge to deliver outstanding performances in terms of sound pressure, coverage coherence, intelligibility and sound definition.

What's more, the integrated 3-point rigging system has been designed to simplify and speed up set up operations, so that it takes a few simple moves to configure and fly the system. For all these reasons, the VIO L210 is aimed at bringing the best of line array technology to a wide base of users.

Smarter. Lighter. Faster. Stronger.



**2-WAY ACTIVE LINE ARRAY
SYSTEM**

**NETWORK READY WITH AN
INTEGRATED RDNET PORT**

**NEWLY DESIGNED WOODEN
ENCLOSURE COATED WITH
POLYUREA**

**SMOOTH CONFIGURATION
AND SET UP OPERATIONS
THANKS TO THE INTEGRATED
3-POINT RIGGING HARDWARE**

**EXCLUSIVELY DESIGNED
WAVEGUIDE FOR IMPRESSIVE
THROW DISTANCE**

**ALUMINIUM PHASE PLUGS
FOR AN EXTREMELY
COHERENT DISPERSION**

**ADVANCED DSP FEATURING
LINEAR PHASE FIR FILTERS FOR
IMPROVED INTELLIGIBILITY**

**UP TO 6 MODULES IN A SINGLE
16A 230V CIRCUIT**

**LIGHTWEIGHT NEODYMIUM
MAGNETS FOR ALL
TRANSDUCERS**

**ON-BOARD DOUBLE ROTARY
EQ CONTROL SYSTEM**

VIO L210 is a 2-way active system, equipped with 2x 10" neodymium woofers and one neodymium titanium dome compression driver.

These premium components are arranged inside the wooden cabinet in order to obtain an extremely precise directivity.

The crossover frequency between the 2 ways lows down to 850 Hz and each module guarantees a uniform 100° horizontal coverage.



Functional yet unobtrusive design

Made of solid multiplex plywood coated with a black polyurea finish, the housing is fronted with a black grille which complete a sober, unobtrusive look which can easily adapt to any scenic design. The speaker's cabinet is easy to tote thanks to its 4 handles, 1 per side and 2 on the back, and its amplifier module is protected with an integrated black raincover.



VIO L210

Technical Data

Speaker Type: 2-Way Active Line Array Module

Acoustical data

Usable Bandwidth [-6dB]: 67 - 20.000 Hz

Frequency Response [+/- 3dB]: 78 - 18.100 Hz

Max SPL: One Unit: 135 dB

HF: 1 x 1.4"

Voice Coil HF: 3"

Type HF: Neodymium, Titanium diaphragm

LF: 2 x 10"

Voice Coil LF: 2.5"

Type LF: Neodymium

Aluminum Phase Plug

Horizontal Directivity: 100°

Vertical Directivity: depends on array size and configuration

Amplifier

Amp Technology: Digipro® G3

Amp Class: Class-D

RMS Power: 900 W

Peak Power: 1800 W

Cooling: Convection

Power Supply: 900 W SMPS with Auto-range PSU

Processor

Controller: DSP 56 bit

AD/DA Converter: 24 bit/48 kHz

Limiter: Dual Active Multiband Peak, RMS, Thermal

Processing (filters): FIR Linear phase

Crossover Frequency LF-HF: 850 Hz

Slope LF-HF: 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 TRUE1 In
1x PowerCON TRUE1 Out

Controls: 1 x Speakers Coupling (7 presets)

1 x HF Compensation (8 presets)

1 x Input Attenuation Rotary Switch

Mechanics

Housing: Multiplex plywood - Polyurea painting

Housing Design: Trapezoidal 10°

Handles: 2 x Side

Rain cover: Included

Rigging Points: Integrated rigging hardware

Width: 720 mm (28.35 in)

Height: 320 mm (12.6 in)

Depth: 520 mm (20.47 in)

Weight: 28.1 kg (61.95 lbs)

Extremely Coherent Coverage



L210 LF

Unique acoustic design

The two premium 10" neodymium transducers, positioned in a V form and sealed in a bass reflex enclosure, have been custom-designed to improve efficiency.

In facts, their voice coils, made of copper plus aluminum coating, are designed to last even in the most demanding conditions, providing an accurate transient response and an extended low-end reproduction. Furthermore, the transducers have been created with a custom impedance value in order to achieve the best result for this specific system.



L210 HF

High-frequency

One single 3" voice coil compression driver (1.4" exit throat) accurately delivers high frequencies. A brand new waveguide contributes to create a cylindrical wavefront, allowing a very precise high-frequency directivity control, much to the advantage of the system's throw-distance.

The crossover frequency between the 2 ways lows down to 850 Hz and each module guarantees a uniform 100° horizontal coverage



L210 phase plug

Phase plug

Acoustic enclosure is completed by two massive aluminum phase plugs located in front of both 10" woofers. Their external surface is the prosecution of the constant directivity high-frequency waveguide.

Each phase plug features 26 diamond-shaped holes essential to reduce the destructive interference between the two LF emission points and to improve frequency and transient response.



Advanced DSP paired with notable efficiency

The module features a Class D Digipro G3 900W highly efficient amplifier which is perfectly capable of achieving up to 135 dB SPL. High efficiency is a key feature of the VIO L210: it is actually possible to connect up to 6 modules on a single 16A 230V circuit, without affecting its performance.

The amplifier also features an auto-range circuit and is fed via PowerCon True1 waterproof connectors.

A perfectly coherent coverage is granted even at a long distance thanks to advanced sound processing with FIR filters. The pre-amp module is also equipped with a digital optical isolation on the signal input stage, which makes the system more resistant to any interference.

Smart rigging hardware & accessories

The VIO L210 comes with a built-in 3-point rigging system allowing a smooth and fast set up of the system. The 2 front links easily connect the modules from any angle.

The back central rigging strand is equipped with a hook type link to set the relative splay angles, determined via the prediction software dBTechnologies Composer.

While lifting up the array, the rigging strand will automatically block the systems at the preset angles. Splay angles can be set directly while the system is still located on the transport cart DT-VIOL210, which houses up to 4 modules.



Flying and stacking cabinets

The dedicated flying frame DRK 210 comes with 2 hooks whose design allows to set a more precise inclination of the array. The DRK 210 can also serve as a groundstacking accessory to secure VIO L210 cabinets on VIO subwoofers. When not in use, the flying frame can be fixed and stored on the top lid of DT-VIOL210 transport cart.



On board EQ controls

VIO L210 features a double rotary user interface to process the system manually. The first rotary is dedicated to low frequency adjustments in order to control coupling effects depending on the array dimensions. The second rotary helps to compensate for the high frequencies loss due to throw distance.

Both rotaries features several accurate presets, while the prediction software dBTechnologies Composer provides for more precise configurations. Any preset can be easily changed remotely via RDNet software.

Flyable Active Subwoofer

VIO S118

With S118, dBTechnologies enriches VIO bass bin series with state-of-the-art amp technology merged with expertise in acoustical design.

A flyable subwoofer, equipped with a 18" neodymium woofer and crafted to complete with impressive low-end VIO L210's accurate, phase coherent wave front.

Flyable Low-end Power



**ACTIVE SINGLE 18" HORN
LOADED SUBWOOFER**

**LAST-GENERATION DIGIPRO
G4 AMP TECHNOLOGY**

**SYSTEM AUTO-TEST FOR
QUICK DIAGNOSTICS**

1600 W RMS SMPS WITH PFC

**INTEGRATED FLYING
HARDWARE (COMPATIBLE
WITH VIO L210)**

**DESIGNED FOR MAXIMUM
EFFICIENCY IN THE LOWER END**

**ON-BOARD DELAY FOR
PERFECT TIME ALIGNMENT**

**ON-BOARD CARDIOID ARRAY
CONFIGURATION PRESET**

**MODULAR SLOT FOR
NETWORK AND DIGITAL
AUDIO EXPANSION CARDS**



VIO S118 is a flyable active subwoofer equipped with 1 neodymium 18" woofer, sealed in horn loaded configuration in a sturdy wooden cabinet.

New generation amplifier DIGIPRO G4 delivers 1600 W RMS, allowing the system to reach up 139 dB SPL.



Optimized horn-loaded configuration

With VIO S118, dBTechnologies developed a horn loaded design, while maintaining the compact size of a front-loaded sub cabinet, resulting in a double advantage: smaller dimension (and weight – only 45.1 kg) and a remarkable lower frequencies response even at a long distance.

This makes this sub the perfect low-end extension of VIO arrays whenever a particularly long-throw is needed.



VIO S118

Technical Data

Speaker Type: Active Horn Loaded Flyable subwoofer

Acoustical data

Frequency Response [-6 dB]: 36 Hz to Cut Freq
(Xover Dependent)

Frequency Response [-10dB]: 33 Hz (HPF)

Max SPL: 139 dB

LF: 1x18"

Voice Coil LF: 4"

Type LF: Neodymium

Directivity: Omnidirectional

Amplifier

Amp Technology: Digipro® G4

Amp Class: Class-D

RMS Power: 1600 W

Peak Power: 3200 W

Cooling: Convection

Power Supply: 1600 W SMPS with PFC

Processor

Controller: DSP 64 bit

AD/DA Converter: 24 bit/96 kHz

Limiter: RMS, Peak, Thermal

Delay Option: 0-9.9 ms internal | steps of 0.1 ms

Crossover Frequency LF-HF: 60-110 Hz + Full-range |
selectable steps

LF-Xover out slope: 24 dB/Octave

Input/Output Section

Signal Input: 1x XLR balanced

Signal Output: 1x XLR balanced (link or X-over)

1x RJ45 Link (RDNet)

Expansion Card: 1x RJ45 In RDNet

1x RJ45 Link RDNet

Power Socket: 1x PowerCON TRUE1 In

1x PowerCON TRUE1 Out

Controls: 1x Input Attenuation Rotary Switch

1x Rotary Encoder (Delay 9.9 ms)

1x Polarity Inversion Switch (0° or 180°)

1x Cardioid mode Switch

1x X-Over Frequency Rotary Switch

(60-110 Hz + Full-Range)

1x System Auto-test

Mechanics

Housing: Multiplex plywood - Polyurea painting

Handles: Aluminium, 2x per Side

Pole Mount: M20 Thread

Rain cover: Included

Rigging Points: 2x Pick Points on top to fix

DRK-210 rigging frame (stack use)

4x Pick Points on top and 4x on

bottom for rigging

Width: 720 mm (28.34 in)

Height: 520 mm (20.47 in)

Depth: 695 mm (27.36 in)

Weight: 45.1 kg (99.42 lbs)

Flyable Low-end Power



A Future proof Amp-technology

The system's acoustical plus points are boosted by Digipro G4 1600W Class D amplifier, the last generation of the Digipro amp technology which strongly contributed to the success of many dBTechnologies' professional powered series. Equipped with PFC (Power Factor Correction) switched mode power supplies, VIO S118 is highly resistant to line voltage fluctuations.

Digipro G4 pre-amp features a slot module allowing system monitoring and control via RD-Net. Furthermore, the system is ready for upgrades with Dante™ digital audio transmission network; in facts, VIO S118 also features a NFC system and a LED on the front grille.

The amp also allows users to run an auto-test on electronics and transducers diagnostics before and after each use.

The amp module features an on board attenuation control and a delay module allowing to reach a max 9.9 ms delay with 0.1 ms steps. The on-board 'cardioid' preset process the sound of the backward sub in inverted stack configurations (both flown or groundstacked) resulting in an optimized cardioid pattern in a matter of seconds.



Quick and easy to fly

S118's cabinet is made of sturdy multiplex plywood covered with a black polyurea finish and equipped with integrated hardware allowing 1 or more subs to be flown in a sub array or on the top of a VIO L210 array.

The system can be flown via DRK-210 flybar and FSA-VIOL210 adapter, or groundstacked with VIO L210 via GSA-VIOL210 accessory.

The dedicated DO-VIOS118 trolley can be hooked directly on flown subs easing dismantling and transport operations.



Tri-amped Active Subwoofer

**ACTIVE 3x 18" BASSREFLEX
SEMI-HORN LOADED
SUBWOOFER**

**INTERNAL DESIGN TO
MAXIMIZE IN-PHASE FRONTAL
EMISSION**

**ON-BOARD DELAY FOR
PERFECT TIME ALIGNMENT**

**ON-BOARD CARDIOID ARRAY
CONFIGURATION PRESET**

**FREQUENCY RANGE
EXTENDING DOWN TO 35HZ**

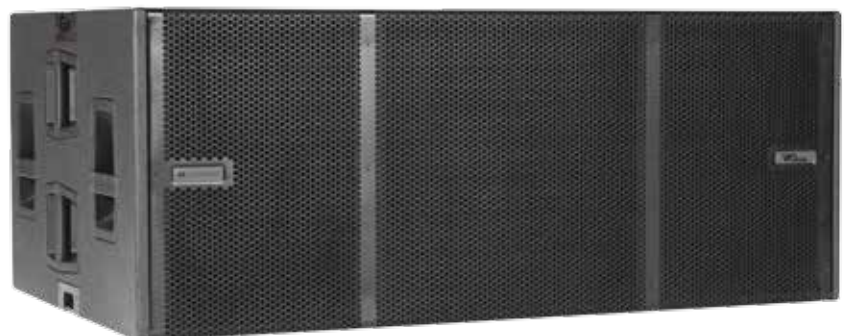
**NETWORK READY WITH AN
INTEGRATED RDNET PORT**

VIO S318

As for lower frequencies, the VIO series is completed by VIO S318 subwoofer, a one of a kind system both for its acoustic configuration and majestic output.

Indeed, dBTechnologies succeeded in designing an extraordinary powerful triple 18" woofer system while maximizing its frontal emission and extending lower frequencies down to 35 Hz.

Triple Aggressive Punch



Triple Aggressive Punch

VIO S318

Technical Data

Speaker Type: Active Bassreflex, Semi-horn Loaded subwoofer

Acoustical data

Frequency Response [-6 dB]: 39 Hz to Cut Freq
(Xover Dependent)

Frequency Response [-10dB]: 35 Hz (HPF)

Max SPL: 143 dB

LF: 3x18"

Voice Coil LF: 4"

Directivity: Omnidirectional

Amplifier

Amp Technology: Digipro® G3

Amp Class: Class-D

RMS Power: 2700 W

Peak Power: 5400 W

Cooling: Convection

Power Supply: 2700 W SMPS with Auto-range PSU

Processor

Controller: DSP 64 bit

AD/DA Converter: 24 bit/96 kHz

Limiter: RMS, Peak, Thermal

Delay Option: 0-9.9 ms internal | steps of 0.1 ms

Crossover Frequency LF-HF: 70-105 Hz + Full-range

LF-Xover out slope: 24 dB/Octave

Input/Output Section

Signal Input: 1x XLR balanced

1x RJ45 Link (RDNet)

Signal Output: 1x XLR balanced (link)

1x XLR balanced (x-over)

1x RJ45 Link (RDNet)

Power Socket: 1x PowerCON TRUE1 In

1x PowerCON TRUE1 Out

Controls: 1x Input Attenuation Rotary Switch

1x Rotary Encoder (Delay 9.9 ms)

1x Polarity Inversion Switch (0° or 180°)

1x Cardioid mode Switch

1x X-Over Frequency Rotary Switch
(70-105 Hz + Full-Range|steps of 5Hz)

Mechanics

Housing: Multiplex plywood - Polyurea painting

Handles: Aluminium, 4x per Side

Rain cover: Included

Rigging Points: 2x Pick Points on top to fix
DRK-210 rigging frame

Width: 1300 mm (51.18 in)

Height: 520 mm (20.47 in)

Depth: 800 mm (31.5 in)

Weight: 103.9 kg (229.06 lbs)

VIO S318 is equipped with 3x 18" bassreflex semi-horn loaded woofers, configured in order to maximize frontal emission. The 3 voice coils are in fact perfectly aligned in order to achieve a perfect phase response. The 3 DIGIPRO G3 amplifiers deliver a total 2700 W power, allowing the system to reach up to 143dB SPL. This brand new amplifier, equipped with a 56 bit DSP, allows the user to get access to a wide range of processing possibilities.

The system features an integrated delay module achieving up to 9.9 ms delay with 0.1 ms steps (a further delay can be set via RDNet remote control software). The crossover module sets both the low pass filter and the highpass filter for the integrated crossover output. The system also features an attenuation control, a polarity switch and a RDNet port for remote control.



In cardioid configurations with 3 subs, the 'cardioid' button allows to process automatically the sub facing backwards, in order to achieve the maximum cancellation. The recessions on the top of the sub facilitates the passage of the cables between the cabinets.

The high quality multiplex housing is reinforced with a robust polyurea finish and equipped with 4 aluminium handles per side. The eyelets on the top of the cabinet allow to fix the DRK-210 flybar, while an additional eyelet allows to fasten the load during transport using ratchet straps.

The dolly transport DO-VIOS318 allows to transport up to 3 subs simultaneously, both on wheels or on the forklift truck. As an alternative to the dolly, 4 wheels can be mounted on the rear side of the cabinet.



BAGS/COVERS

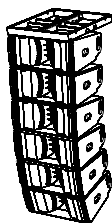
	Description	Designed for
FC-VIOS118	Functional cover for 2x VIO S118. Waterproof	VIO S118
FC-VIOS318	Functional cover for 2x VIO S318. Waterproof	VIO S318
TC-VIOL210	Transport cover for DT-VIOL210. Waterproof	VIO L210
TC-VIOS318	Transport cover for VIO S318. Waterproof	VIO S318

CABLES

	Description	Designed for
DAC-70	XLR-XLR audio cable (70 cm)	VIO L210 / VIO S118 / VIO S318
DAC-170	XLR-XLR audio cable (170 cm)	VIO S118 / VIO S318
DCK-27T	Cable-Set for VIO L210 / S318 containing 2x DAC-70 and 2x DPTC-70L	VIO L210 / VIO S118 / VIO S318
DPTC-70L	PowerCON TRUE1-PowerCON TRUE1 power link cable (70cm)	VIO L210 / VIO S118 / VIO S318
DPTC-170L	PowerCON TRUE1-PowerCON TRUE1 power link cable (170cm).	VIO S118 / VIO S318
DPTC-1000M	Mains PowerCON TRUE1 cable (10m). Available in different plugs.	VIO L210 / VIO S118 / VIO S318
RDC-45F	RJ45 to XLR 3 poles female conversion cable, 6 cm length. The cable converts from RDNet RJ45 to XLRF	VIO L210 / VIO S118 / VIO S318
RDC-45M	RJ45 to XLR 3 poles male conversion cable, 6 cm length. The cable converts from RDNet RJ45 to XLRM	VIO L210 / VIO S118 / VIO S318
RJ45-RJ45-75	RJ45-RJ45 link cable (75cm) for RDNet speakers. EtherCON connectors	VIO L210 / VIO S118 / VIO S318
RJ45-RJ45-170	RJ45-RJ45 link cable (170cm) for RDNet speakers. EtherCON connectors	VIO L210 / VIO S118 / VIO S318
RJ45-RJ45-500	RJ45-RJ45 link cable (5 m) for RDNet speakers. EtherCON connectors	VIO L210 / VIO S118 / VIO S318

INSTALLATION

DRK-210



Description

Flybar for VIO L210 and VIO S118

Designed for

VIO L210 / VIO S118

DS-2



Description

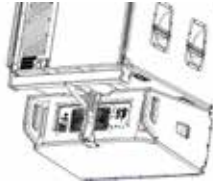
Pole Mount Pole Mount 35mm, adjustable, M20 thread.

Designed for

VIO S118

VIO Accessories

FSA-VIOL210



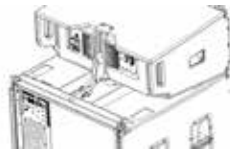
Description

Flying sub adapter for VIO S118 and VIO L210

Designed for

VIO L210 / VIO S118

GSA-VIOL210



Description

Ground-stacking sub adapter for VIO S118 and VIO L210

Designed for

VIO L210 / VIO S118

TRANSPORT

DO-VIOS118



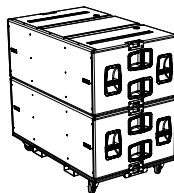
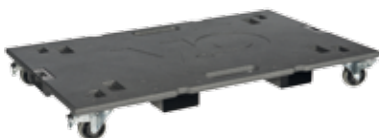
Description

Dolly for up to 3x VIO S118 with integrated hardware to secure the sub (wheels included)

Designed for

VIO S118

DO-VIOS318



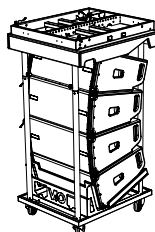
Description

Dolly for up to 3x VIO S318 Stacked horizontally (wheels included)

Designed for

VIO S318

DT-VIOL210



Description

Metal trolley to carry up to 4 VIO L210 modules and a DRK-210 flybar. Including 4 poles and a wooden lid.

Designed for

VIO L210 / DRK-210

SWK-18 KIT



Description

Kit consisting of 4 wheels for VIO S318 back panel

Designed for

VIO S318



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 **M2M**
DVA **M2S**
DVA **M2P**
DVA **MS12**
DRK **20M**
AC**26N**

Digital Array Systems & Subs

- 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



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**

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.



DVA T12

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 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: RDNNet 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

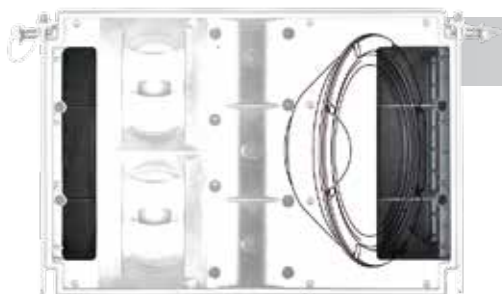
Width: 580 mm (23.2 in)

Height: 386 mm (15.44 in)

Depth: 430 mm (17.2 in)

Weight: 29,9 kg (63.93 lbs)

Top Performance Combined With Total Control



T12 LF

Extended low-end performance

A 12" neodymium woofer in a band-pass housing covers the low frequency range. Remarkably powerful, it packs an assertive punch that reaches down to 60 Hz to enable full-range applications. The 12" woofer is slanted inside the housing, giving the cabinet a lean, unobtrusive look.

- 12" NEODYMIUM WOOFER
- FULL-RANGE CAPABILITY FROM 60HZ UP



T12 MF

Accurate and awesomely efficient midrange response

The DVA T12's two 6.5" neodymium midrange are placed close together to maximize coherent coupling and response for those critical midrange frequencies. The speaker resides in a sealed basket to optimize the displacement volume. This makes the midrange even more responsive.

With a high BL factor, it reacts far faster to transients and renders each attack with awesome accuracy. Both 6.5" midrange are equipped with an optimized phase plug and feed into a frontloaded horn to achieve a uniform coverage pattern.



T12 HF

High-definition top end

The 1" neodymium HF drivers feature 1.4" Mylar diaphragms. Exceptionally light and responsive, they deliver richly detailed signals with remarkably linear frequency response. Specially developed for use in line arrays, these ultra compact drivers may be deployed in very close proximity to one another. This is essential to minimize interference in such arrays.

The DVA T12 is loaded with three HF drivers tuned specifically for the custom designed array horn. This combination maximizes the coupling of the drivers' outputs and extends the range of the HF signal.



T12

Consistent coverage pattern

The DVA T12 features constant directivity horns, HF drivers, and midrange speakers optimized to deliver a uniform 100°-by-10° coverage pattern. The DVA makes the most of two acoustical effects to help distribute SPL evenly.

One is the vector addition of individual horns' output, with the other being cylindrical wave formation. The coverage pattern may be adapted to suit the sound reinforcement application by varying the length of the array and adjusting the splay between individual components.

- UNIFORM 100°-BY-10° COVERAGE PATTERN
- EVENLY DISTRIBUTED SPL

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 and T4 units

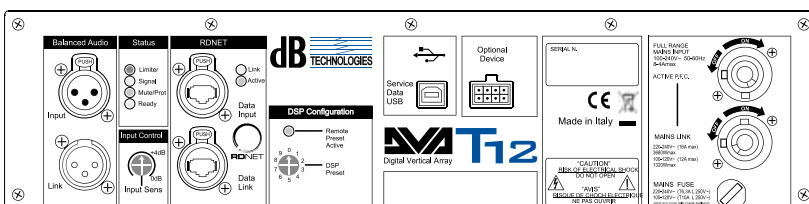
DVA T12 and DVA T8 series housings and rigging hardware are compatible.

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 by RDNet PC 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 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



**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**

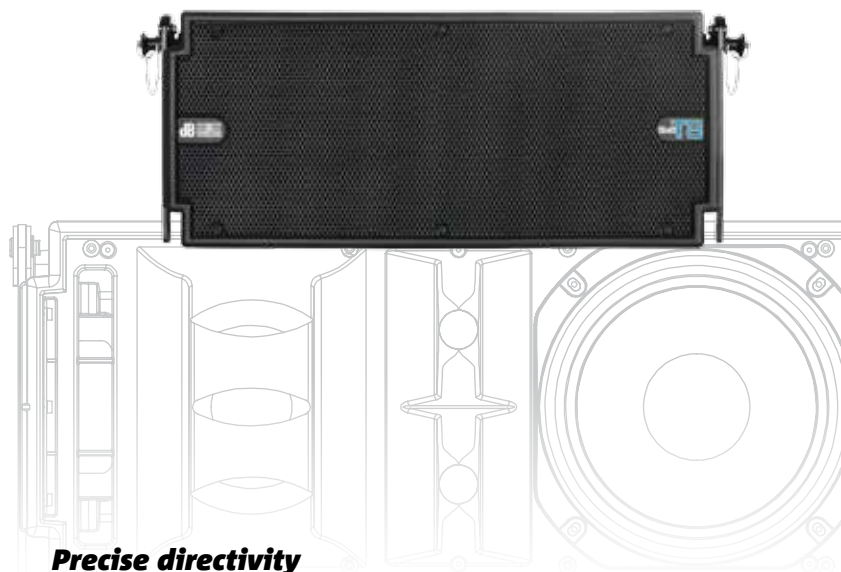
**MECHANICALLY COMPATIBLE
WITH THE DVA T12**



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



DVA T8

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: 2x1"

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 56 bit with double precision filters

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)

Top Performance Combined With Total Control



T8 LF

Extended low-end performance

A powerful 8" neodymium woofer, paired with a 350W power amp, covers the low frequency range with an assertive punch that reaches down to 70 Hz.

- 8" NEODYMIUM WOOFER
- FULL-RANGE CAPABILITY FROM 70 HZ UP



T8 MF

Accurate, awesomely efficient midrange response

Loaded with a custom 6.5" neodymium midrange, the DVA T8 also delivers excellent midrange response, which has such a formative influence on shaping the sonic image. The midrange is housed in a sealed chassis. Its high BL factor makes it even more responsive so that it renders transients faithfully. A phase plug feeds into a frontloaded horn tuned to achieve a uniform coverage pattern.

- ONE 6.5" NEODYMIUM MIDRANGE WITH A FRONTLOADED HORN
- SUPERIOR TRANSIENT RESPONSE



T8 HF

High-definition top end

The 1" neodymium HF drivers feature 1.4" Mylar diaphragms. Exceptionally light and responsive, they deliver richly detailed signals with remarkably linear frequency response. Developed especially for use in line arrays, these drivers may be deployed in very close proximity to one another. This is essential to minimize interference in such arrays.

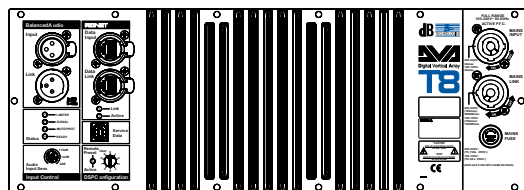
- TWO 1" NEODYMIUM HF DRIVERS WITH ARRAY HORN
- REMARKABLY TRANSPARENT RESPONSE



Durable yet light hybrid polypropylene enclosure

This enclosure's surface is immune to knocks and scratches and fully resistant to water and moisture. A sophisticated metal skeleton provides internal bracing that connects its component parts, reinforces the housing and softens resonance.

- METAL-REINFORCED POLYPROPYLENE HOUSING
- LIGHT YET EXCEEDINGLY DURABLE
- INTEGRATED RAIN PROOFING



High reliability and operating safety

The processor monitors amp's temperature, voltage, current, impedance, input, output, and other data independently and continuously. It detects problems such as an impending overload, and attenuates the signal gradually in small steps or mutes it altogether, depending on the given temperature and level.

- REAL-TIME OPERATING STATUS MONITORING
- STATUS REPORT DELIVERY VIA THE DVA USB MANAGER



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 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

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 birch 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.

**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

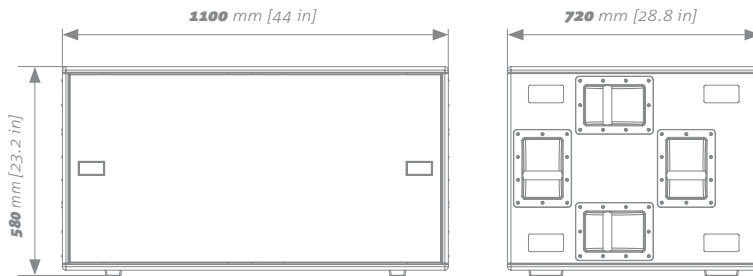


DVA S30 N Subwoofer, 2x18" Bassreflex Horn Loaded

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 birch 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.



DVA S30 N

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 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 birch plywood

Housing Design: Rectangular

Handles: 4x Per Side

Accessory: Dolly, Wheels 100mm,

Dust Cover, Rain Cover

Rigging Points: 2xPick Points on top to fix

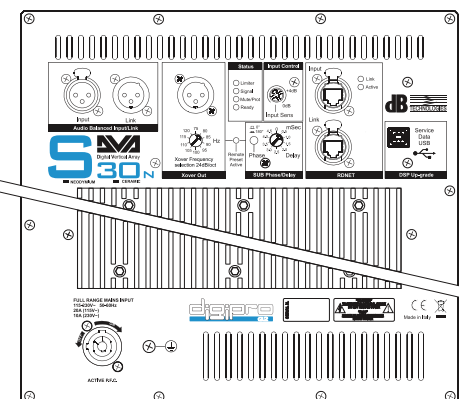
DRK10/20 rigging frames

Width: 1100 mm (44 in)

Height: 580 mm (23.2 in)

Depth: 720 mm (28.8 in)

Weight: 83 kg (182.98 lbs)



Ultra Low-Frequency Punch

DVA S1521 N

Technical Data

Speaker Type: Active Bassreflex-Subwoofer

Acoustical data

Frequency Response $[+/-3\text{dB}]$: 30 - 105 Hz

Max SPL: 139 dB

Directivity: Omnidirectional,

Cardiod Option with DSP setup

LF: 21"

Voice Coil LF: 4.5"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class-D

Power Supply: 1.5 kW SMPS with PFC

RMS Power: 1500 W

Peak Power: 3000 W

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/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: 60-105Hz|steps of 5Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 3x Per Side

Accessory: Wheels 100mm, Dust Cover, Rain Cover

Pole Mount: M20

Rigging Points: 2xPick Points on top to fix

DRK10/20 rigging frames

Width: 580 mm (23.2 in)

Height: 800 mm (32 in)

Depth: 720 mm (28.8 in)

Weight: 52.5 kg (115.74 lbs)

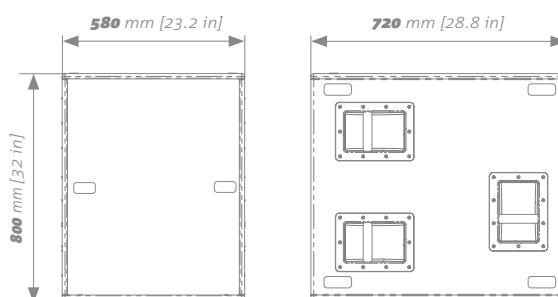


DVA S1521 N Subwoofer, 21" Bassreflex

The DVA S1521 N is a powered 21" subwoofer housed in a bass reflex enclosure that we tuned for accurate, ultra low-frequency response.

It readily integrates into large DVA and DVX Series PA systems as a sub-bass unit or as a stacked subwoofer.

Made of durable birch multiplex housing covered in robust black textured lacquer, the high-quality housing provides six carrying handles, an M20 pole mount, and bushings on the rear panel that accept casters. Pick-points for attaching DRK-10 and DRK-20 harnesses are built into the top panel to enable easy, safe stacking.

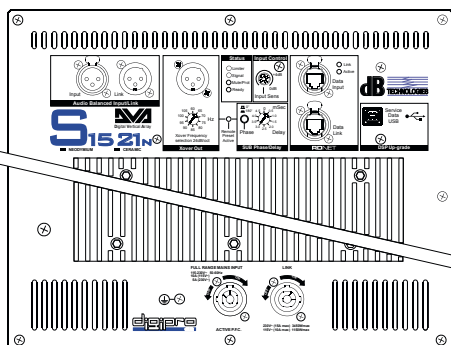


Top-notch 21" woofer

Serving as the unit's transducer is a state-of-the-art 21" woofer with 4.5" voice coil.

This combination of high-quality materials and sophisticated magnetic drivers fields some pretty impressive results.

Even very low bass frequencies are rendered with pinpoint precision and hairtrigger transient response, treating audiences to a breathtaking audio experience.





DVA S1518 N Subwoofer, 18", Bandpass

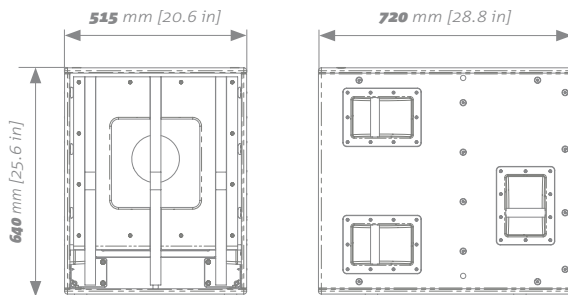
The DVA S1518 N is a bandpass subwoofer based on the DVA S10, but with 50 percent higher power amp output, an integrated DSP, and an RDNet link.

A remarkably versatile subwoofer, it delivers tight and punchy bass response that supports and transitions smoothly to satellites' lower midrange frequencies.

The DVA S1518 N is equipped with a next-generation, 18" woofer driven by a built-in 1500W digipro® G2 digital power amp.

Subwoofer arrays are easily flown using the optional SRK10 rigging hardware retrofit.

The S1518 N will also serve you well in compact stacks paired with DVA T12, T8 and T4 units or DVX Series enclosures.



DVA S1518 N

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 39 - 120 Hz

Max SPL: 138 dB

Directivity: Omnidirectional,

Cardiod Option with DSP setup

LF: 18"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class-D

Power Supply: 1.5 kW SMPS with PFC

RMS Power: 1500 W

Peak Power: 3000 W

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/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 birch plywood

Housing Design: Rectangular

Handles: 3x Per Side

Accessory: Dolly, Wheels 100mm,

Dust Cover, Rain Cover

Pole Mount: M20

Rigging Points: integrated for SRK10 fly kit

2xPick Points on top to fix

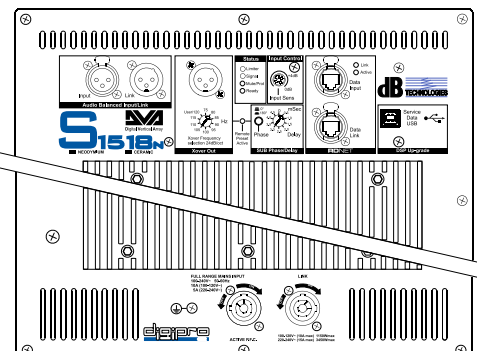
DRK10/20 rigging frames

Width: 515 mm (20.6 in)

Height: 640 mm (25.6 in)

Depth: 720 mm (28.8 in)

Weight: 46 kg (101.41 lbs)



Ultra Low-Frequency Punch

DVA S2585 N

Technical Data

Speaker Type: Active Cardioid-Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 35 - 120 Hz

Max SPL: 140 dB

Directivity: Cardioid

LF: 18"+15"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class-D

Power Supply: 2.5 kW SMPS with PFC

RMS Power: 2500 W

Peak Power: 5000 W

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/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 birch plywood

Housing Design: Rectangular

Handles: 3x Per Side

Accessory: Dolly, Dust Cover, Rain Cover

Pole Mount: M20

Rigging Points: integrated for SRK10 fly kit

2xPick Points on top to fix

DRK10/20 rigging frames

Width: 515 mm (20.6 in)

Height: 640 mm (25.6 in)

Depth: 1000 mm (40 in)

Weight: 65 kg (143.3 lbs)

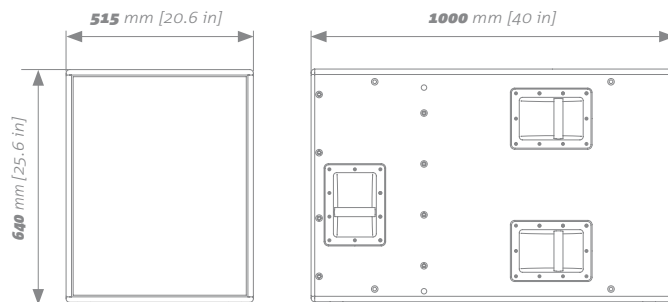


DVA S2585 N Subwoofer, 18"+ 15", Cardioid

The DVA S2585 N is a compact subsystem featuring a cardioid layout designed for utmost directivity.

The system consists of two separate chambers, one loaded with a forward facing 18" woofer and another with a rearward facing 15" woofer. The integrated digipro®G2 digital power amps provide 2500W total output power. The high-quality DSP filters signals and controls the speakers to deliver a remarkably authentic audio image and faithful transient response.

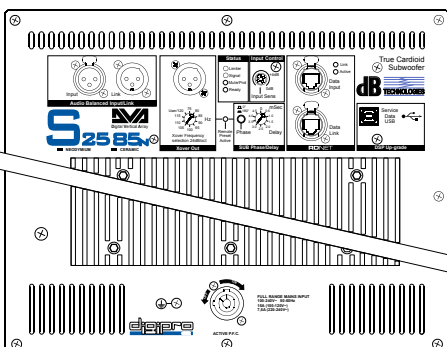
The housing is ready to fly with the optional SRK10 Rigging Kit is all it takes to put up flown cardioid sub arrays.



Cardioid- Design

Many systems lack low-frequency directivity and, as a result, are plagued by interference and annoying noise.

The S2825 N, in contrast, was engineered specifically for enhanced low-frequency directivity. And it not only sounds great, it is also easy to handle and transport.

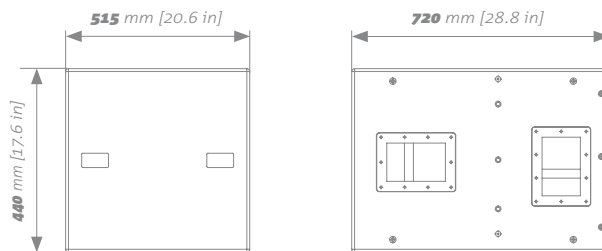




DVA S09 Subwoofer

A remarkably compact 15" subwoofer in a band-pass design, the DVA S09 DP delivers true, tight, and punchy bass response. With a height of just 44 cm, it can be flown above DVA T4 modules to keep the footprint of the rig inconspicuous.

The S09 comes with two features that make it the perfect base for a high-quality satellite system, for example, when paired with the DVX D10. One is an integrated active stereo crossover with two cutoff frequencies to choose from, 90Hz and 120Hz. The other is a phase inversion switch. One PowerCon socket connects to the mains power supply, while two PowerCon outputs connect satellites.



SRK-09 Fly Kit

Retrofitted with the optional SRK-09 fly kit, the DVA S09 DP subwoofer is easily rigged to a DRK-10 harness and flown alongside further DVA T4 mid-/high-range units.



DVA S09 DP

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 45 - 120 Hz

Max SPL: 134 dB

Directivity: Omnidirectional

LF: 15"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro®

Amp Class: Class-D

RMS Power: 1000 W

Peak Power: 2000 W

Cooling: Convection

Processor

Controller: Analog (Stereo)

Phase: 0, 180°

Limiter: RMS, Peak, Thermal

Delay Option: NO

Crossover Frequency LF-MF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Color: Black, White

Handles: 2x Side

Pole Mount: 1x M20

Rigging Points: 2x Pick Points on top to fix DRK10/20 rigging frames

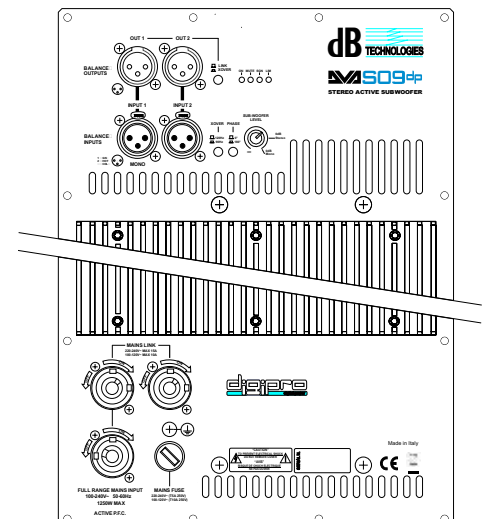
Accessory: Wheels 100mm, Dust Cover, Rain Cover

Width: 515 mm (20.6 in)

Height: 440 mm (17.6 in)

Depth: 720 mm (28.8 in)

Weight: 37.5 kg (82.67 lbs)



Ultra Low-Frequency Punch

DVA S08 DP

Technical Data

Speaker Type: Active Bassreflex Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 40 - 150 Hz

Max SPL: 131 dB

Directivity: Omnidirectional

LF: 12"

Voice Coil LF: 3"

Amplifier

Amp Technology: Digipro®

Amp Class: Class-D

RMS Power: 800 W

Peak Power: 1600 W

Cooling: Convection

Processor

Controller: Digital + Analog (Stereo)

Phase: 0, 180°

Limiter: RMS, Peak, Thermal

Delay Option: NO

Crossover Frequency LF-MF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 1x on top

Pole Mount: 2x M20

Accessory: Dust Cover

Width: 360 mm (14.4 in)

Height: 520 mm (20.8 in)

Depth: 500 mm (20 in)

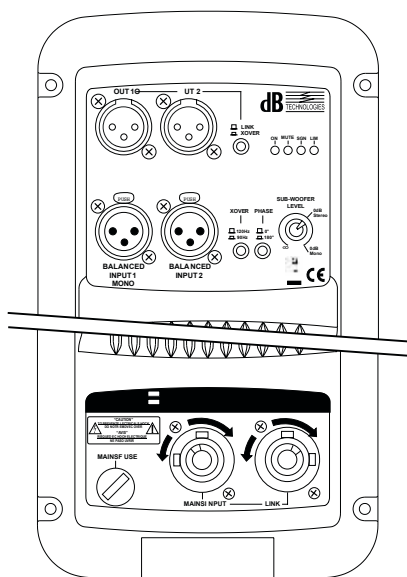
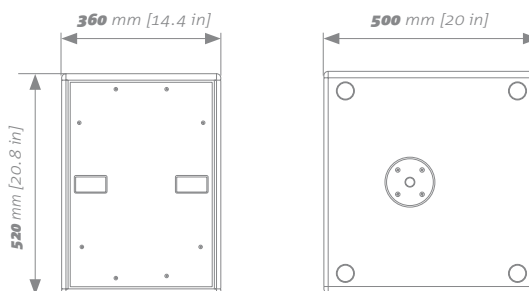
Weight: 23 kg (50.71 lbs)



S08 Subwoofer

The DVA S08 DP is a remarkably compact 12" high power active bassreflex subwoofer for professional applications and to satisfy upmarket requirements.

It delivers a high momentum and at the same time reproduces a punchy low end. Equipped with a 800W/RMS digipro® digital power amp including switch mode supply, this unit provides a high sound pressure level of up to 131dB. Furthermore there is a powercon in and out for mains connection.



3-Way Active Line Array Module

**ADVANCED DSP WITH FIR
FILTERS PROCESSING**

**FULLY COMPATIBLE
WITH DVA T FLYING
AND GROUNDSTACKING
ACCESSORIES**

NEW GRILLE DESIGN

**ON BOARD DOUBLE ROTARY
TUNING SYSTEM**

DVA K SERIES

dBTechnologies' active line array series DVA has set new standards in the sound reinforcement industry since its market launch in 2006.

Equipped with top-notch features and engineered for maximum versatility, DVA T and DVA M series brought the benefits of line array technology to a much wider range of users.

Now dBTechnologies upgrades the best of technology that determined the success of the whole series in the new 3 way active line array module DVA K5 and active subs DVA KS10 and DVA KS20. Featuring technological upgrades partially derived from dBTechnologies' flagship series DVA T, DVA K5 aims to inherit the international success of the series.

DVA Evolution



Top Performance Combined With Total Control

DVA K5

Technical Data

Speaker Type: 3-Way Active Line Array Module

Acoustical data

Frequency Response [\pm 3dB]: 70 - 19.000 Hz

Max SPL: One Unit: 129 dB

HF: 2 x 1"

Voice Coil HF: 1.4"

MF: 1x 6.5"

Type MF: Neodymium

Voice Coil MF: 2"

LF: 1x 8"

Type LF: Neodymium

Voice Coil LF: 2.5"

Directivity [H x V]: 100° x 15° Single unit

Amplifier

Amp Technology: Digipro® G3

Amp Class: Class-D

RMS Power: 500 W

Peak Power: 1000 W

Cooling: Convection

Power Supply: 500 W SMPS with Auto-range PSU

Processor

Controller: DSP 56 Bit

AD/DA Converter: 24 bit/48 kHz

Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal

Crossover Frequency MF-HF: 1800 Hz

Slope MF-HF: 24 dB/Octave

Crossover Frequency LF-MF: 340 Hz

Slope LF-MF: 24 dB/Octave

Input/Output Section

Input Section: 1x XLR balanced

Output Section: 1x XLR balanced

Power Socket: 1x Powercon In + 1x Powercon Out

Controls: 1 x Input Sensitivity Rotary Switch

1 x DSP Rotary Encoder (LF Correction)

1 x DSP Rotary Encoder (MF-HF Correct.)

Mechanics

Housing: Polypropylene PP Metal reinforced

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's evolution: a new concept in line array technology

Featuring a Class-D 500 W RMS Digipro® G3 digital amplifier, DVA K5 is capable to reach up to 129 dB SPL and aims to inherit the success of the earliest model of the series DVA T4. The new DVA line array module comprises 2x 1,4"compression drivers, a 6.5" neodymium midrange and a 8" neodymium woofer.

Thanks to FIR filters technology, a new dual rotary encoder DSP user interface allows an extremely precise system tuning. The module's electronics and components are housed in a sturdy polypropylene box, reinforced with an internal anti-vibration metal structure that allows the cabinet to achieve an excellent acoustic response. DVA K5 comes with a freshly designed frontal grille and an integrated raincover.



Flying the cabinets

DVA K5 comes with the same precisely engineered flying hardware that determined the success of DVA T series. The curving of the array can be adjusted within a range between 0° and 15°.

The cabinets are fully compatible with DVA T series flying and groundstacking accessories.

Their compact size combined with their low-weight makes flying option possible even in those venue where the trussing system can't usually support audio devices, an array of 6 DVA K5 weighting less than 100 Kg.





K5 LF

Extended low-end performance

The 8" neodymium woofer is equipped with a high power 2.5" voice coil to provide energetic sound pressure level in a very compact size.

- 1x 8" NEODYMIUM WOOFER
- FULL-RANGE CAPABILITY FROM 70 HZ UP



K5 MF

Accurate, awesomely efficient midrange response

The 6.5" neodymium midrange lies in a sealed basket and features a horn exit including a phase plug in order to provide a superb sound reproduction as well as a linear and well-defined sound emission.

- 1x 6.5" NEODYMIUM MIDRANGE WITH A FRONTLOADED HORN + PHASE PLUG
- SUPERIOR TRANSIENT RESPONSE



K5 HF

High-definition top end

The 2 constant directivity drivers are equipped with a 1.4" membrane allowing a very quick response together with a linear frequency range.

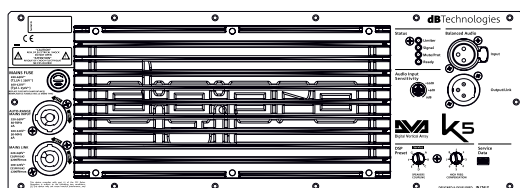
- 2x 1" HF DRIVERS WITH ARRAY HORN
- REMARKABLY TRANSPARENT RESPONSE



Durable yet light hybrid polypropylene enclosure

The unique design, the selected components and a state of the art amplifying technology come together to deliver an exceptional weight-performance ratio: each system weights 31.31 lbs (14.2 Kg).

DVA K5 also features a freshly designed frontal grille and an integrated raincover.



Advanced user interface

DVA K5's DSP processing has been update in order to allow an extremely precise system tuning: a double rotary encoder system actually provides a separate tuning for LF correction (coupling) and MF/HF correction (high-angle midrange loss and air absorption compensation due to throw distance).

- REAL-TIME OPERATING STATUS MONITORING
- STATUS REPORT DELIVERY VIA THE DVA USB MANAGER

Ultra Low-Frequency Punch

DVA KS20

Technical Data

Speaker Type: Active Bassreflex-Horn Subwoofer

Acoustical data

Frequency Response [-10dB]: 41 - 120 Hz

Max SPL: 138 dB

Directivity: Omnidirectional

LF: 2x18"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro® G3

Amp Class: Class-D

RMS Power: 1800 W

Peak Power: 3600 W

Cooling: Convection

Power Supply: 1800 W SMPS with Auto-range PSU

Processor

Controller: DSP 56 bit

AD/DA Converter: 24 bit/48 kHz

System Presets: X-Over, Delay

Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal

Crossover Frequency LF-HF: 90-120Hz (selectable)

Slope LF-HF: 24 dB/Octave

Input/Output Section

Input Section: 2x XLR balanced

Output Section: 2x XLR balanced

Power Socket: 1x Powercon In + 1x Powercon Out

Controls: 1x Input Sensitivity Rotary Switch

1x DSP Rotary (Delay 4.5 ms on-board)

1x Polarity Inversion Switch (0°, 180°)

1x X-Over Frequency Switch (90, 120 Hz)

1 x Outputs Mode Switch (Link - X-Over)

Mechanics

Housing: Multiplex birch plywood

Handles: 3x Per Side

Pole Mount: 1x M20 on top

Rigging Points: 2x Pick 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)

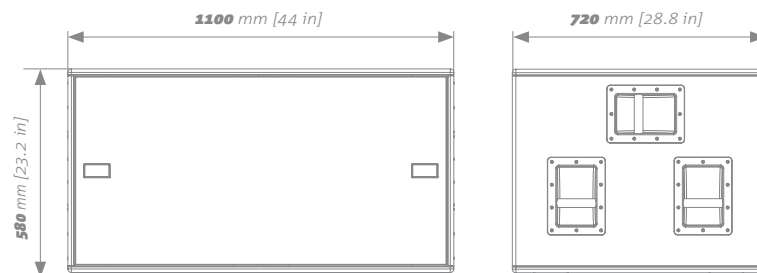
Weight: 84 kg (185.19 lbs)



Active Bass reflex-horn loaded subwoofer

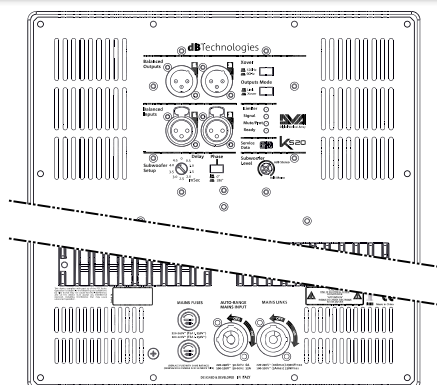
Featuring a double 18" woofer pairing in a bass reflex housing, the DVA KS20 is equipped with 2 Digipro® G3 amplifiers delivering a total power of 1800 W RMS.

The system's internal design brings together the benefits of bass reflex and and horn system in a compact sturdy housing covered with robust black laquer. The 56 Bit DSP manages limiters and delays, for flawless system processing.



DVA KS20 is the perfect low end complement for larger DVA K5 PA systems.

Thanks to the DRK-10/20 pick points on side, the sub can be used vertically for groundstacked configurations.

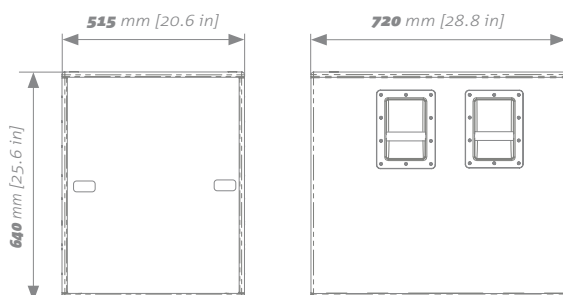




Semi-horn loaded Active subwoofer

The semi-horn loaded subwoofer DVA KS10 is equipped with a single 18" woofer driven by a Class-D Digipro® G3 power amp delivering 1800 W peak and reaching 134 dB SPL.

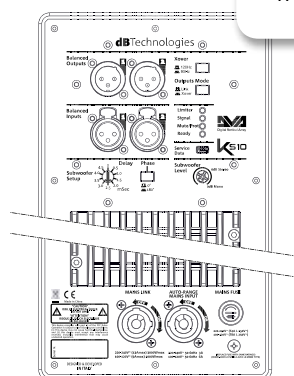
Maximum versatility is granted by a stereo input/output balanced pre-amp. A dedicated encoder allows to apply up to 4.5 milliseconds of delay, with half-millisecond steps, and a switch allows to invert the polarity by 180°.



Versatile low frequencies completion

Crucially, thanks to the optionally available SRK-10 rigging kit, DVA KS10 can be easily flown.

The bass bin can be easily used also in groundstacked configurations or as a compact PA system together with DVA K5 on speaker pole (with DSA-4 accessory).



DVA KS10

Technical Data

Speaker Type: Active Semi-Horn loaded Flyable Subwoofer

Acoustical data

Frequency Response [-10dB]: 41 - 120 Hz

Max SPL: 134 dB

Directivity: Omnidirectional

LF: 18"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro® G3

Amp Class: Class-D

RMS Power: 900 W

Peak Power: 1800 W

Cooling: Convection

Power Supply: 900 W SMPS with Auto-range PSU

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/48 kHz

Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal

Crossover Frequency LF-HF: 90, 120Hz (selectable)

Slope LF-HF: 24 dB/Octave

Input/Output Section

Input Section: 2x XLR balanced

Output Section: 2x XLR balanced

Power Socket: 1x Powercon In + 1x Powercon Out

Controls: 1x Input Sensitivity Rotary Switch

1x DSP Rotary (Delay 4.5 ms on-board)

1x Polarity Inversion Switch (0°, 180°)

1x X-Over Frequency Switch (90, 120 Hz)

1 x Outputs Mode Switch (Link - X-Over)

Mechanics

Housing: Multiplex birch plywood

Handles: 3x Per Side

Pole Mount: 1x M20 on top

Rigging Points: 2x Pick Points on top to fix DRK10/20 rigging frames

Width: 515 mm (20.6 in)

Height: 640 mm (25.6 in)

Depth: 720 mm (28.8 in)

Weight: 48 kg (105.82 lbs)

2-Way Active Line Array System

M2M+M2S

Remember the DVA T8 launch? As hard as it was to believe, all that power and performance came packed in an incredibly compact, lightweight speaker. Now the DVA MINI is about to set a new standard (again).

Offering the same hallmark user-friendliness and sound quality of its DVA predecessors, the MINI series sets the new benchmark for easy-to-use systems with top-range sound performance.

The innovative Master + Slave design made for simplified system wiring and less total weight, makes this series equally ideal for permanent installation in theatres, houses of worship, convention centres, concert tours and live music performances.

Full of Technology



2-WAY ACTIVE LINE ARRAY SYSTEM

INTEGRATED HARDWARE WITH INNOVATIVE FAST LOCK MECHANICS

LIGHTWEIGHT AND ELEGANT PREMIUM DESIGN

DUAL PHASE PLUG DESIGN FOR AN EXTREMELY PRECISE DISPERSION

200+200W RMS DIGIPRO® G3 CLASS-D AMPLIFIER (800W PEAK POWER)

SWITCHED MODE POWER SUPPLY WITH AUTO-RANGE

HI-END DIGITAL CONTROLLER ON BOARD (DSP)

INNOVATIVE MASTER AND SLAVE CONCEPT

LIGHTWEIGHT NEODYMIUM MAGNETS FOR ALL TRANSDUCERS

DVA M2M

Technical Data

Speaker Type: 2-Way Active Master Line Array Module

Acoustical data

Frequency Response [-6dB]: 78 - 19.000 Hz
 Frequency Response [-10dB]: 68 - 20.000 Hz
 Max SPL: One Unit: 126 dB
 HF: 2x1"
 Type HF: Neodymium
 Voice Coil HF: 1"
 LF: 2x6.5"
 Type LF: Neodymium
 Voice Coil LF: 1.5"
 Directivity: 90x15° Single unit

Amplifier

Amp Technology: Digipro® G3
 Amp Class: Class-D
 RMS Power HF Amp: 200 W (100 W + 100 W)
 RMS Power LF Amp: 200 W (100 W + 100 W)
 Peak Power HF Amp: 400 W (200 W + 200 W)
 Peak Power LF Amp: 400 W (200 W + 200 W)
 Cooling: Convection

Processor

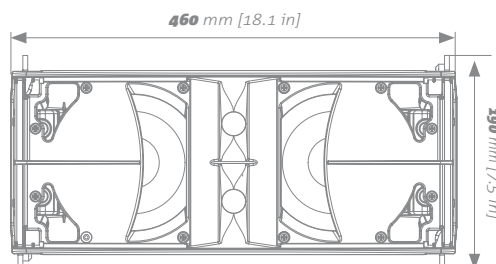
Controller: DSP 56 bit
 AD/DA Converter: 24 bit/48 kHz
 System Presets: 9 presets (8x HF and Low-Mid corrections and 1x for service use)
 Limiter: Multiband, RMS/Peak, Thermal
 Crossover Frequency LF-HF: 1800 Hz
 Slope LF-HF: 24 dB/Octave

Input/Output Section

Signal Input: 1x XLR fem, Bal.
 Signal Output: 1x XLR male, Bal.
 Power Supply: 400W SMPS with PSU Auto-range (110V~ and 220V~)
 Power Socket: 1x PowerCon In + 1x PowerCon Out

Mechanics

Housing: Polypropylene PP
 Handles: 2x back side
 Fittings: Integrated hardware with fast lock mechanics
 Splay Angles: 0° - 1,5° - 3° - 4,5° - 6° - 8° - 10° - 12,5° - 15°
 Width: 460 mm (18.1 in)
 Height: 190 mm (7.5 in)
 Depth: 345 mm (13.6 in)
 Weight: 7.6 kg (16.8 lbs)



DVA M2S

Technical Data

Speaker Type: 2-Way Slave Line Array Module

Acoustical data

Frequency Response [-6dB]: 78 - 19.000 Hz
 Frequency Response [-10 dB]: 68 - 20.000 Hz
 Max SPL: One Unit: 126 dB
 HF: 2x1"
 Type HF: Neodymium
 Voice Coil HF: 1"
 LF: 2x6.5"
 Type LF: Neodymium
 Voice Coil LF: 1.5"
 Directivity: 90x15° Single unit

Amplifier

Located on the relative M2M module

Processor

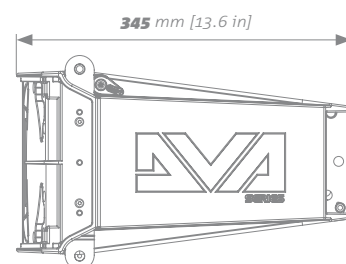
Located on the relative M2M module

Input

Signal Input: 1 Custom connector

Mechanics

Housing: Polypropylene PP
 Handles: 2x back side
 Fittings: Integrated hardware with fast lock mechanics
 Splay Angles: 0° - 1,5° - 3° - 4,5° - 6° - 8° - 10° - 12,5° - 15°
 Width: 460 mm (18.1 in)
 Height: 190 mm (7.5 in)
 Depth: 345 mm (13.6 in)
 Weight: 7.1 kg (15.7 lbs)



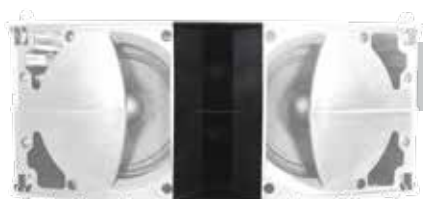
Top Performance Combined With Total Control



Low-mid range constant coverage

The low and mid-range reproduction is performed by the two 6,5" neodymium woofers, whose disposition and efficiency is extremely optimized thanks to a custom dual phase-plug.

The choice of neodymium magnets ensures even more value to the module, because it contributes to contain the overall weight of the M2M speaker under 7.6 kg/16.8 lbs (7,1 kg/15,7 lbs for the M2S model).



Clear and assertive top end

The two 1" drivers, finely tuned for the DVA M2 custom designed array horns, deliver a crystalline clear sound in high frequency, in order to provide to the audience the same intelligibility of the DVA line array systems.

Furthermore, the premium quality Neodymium magnets are synonym of reliability, performance and lightness.



Light weight. Heavy duty.

The high quality reinforced Polypropylene enclosure, and the internal hard-wearing anti-vibration structure, makes the M2M and M2S boxes very tough and able to work as heavy duty professional tools.

These features, together with neodymium transducers and the lightest amplifier ever engineered by dBTechnologies R&D, contributes to realize an exceptionally light, durable and powerful line array module for the well-known DVA Series.

Premium design

DVA Mini is characterized by a very clean aesthetic and a very discreet look.

Even the mechanics are hidden behind the frontal panel, and the elegant curvature of the frontal hexagonal grille contributes to create a very nice looking system for any kind of fixed installation purposes or live music events where the system should be totally invisible.

Consistent coverage pattern

Low and mid-range reproduction has been extremely optimized by a custom dual phase-plug. This technology significantly improves the mid-range efficiency of the speaker and, most of all, makes the horizontal coverage really homogeneous and consistent.



Download telemetry from USB

An integrated USB B-type port on the M2M amplifier allows the user to access the complete telemetry of the speaker, monitoring the status of every single element of the line array, including total playing hours, temperatures and performances reports.

Furthermore it is possible to download a file log as a status report, and upgrade the Firmware of the DVA M2M using the same USB port.



Fast lock mechanics

DVA mini is an incredibly versatile system, and you will find out this when you'll have your hands on it. dBTechnologies engineers have provided a way to simplify the process of installation and rigging by completely removing the pins and mechanics, in favor of a quick-locking system.

You'll simply have to place one module below the previous one, and slide it towards one side until the red lever is up. Mounting the system in a flash has never been so easy!



Single rear mechanics

A single mechanic is provided on the back of every single DVA M module. Using incremental angles steps dBTechnologies has greatly improved the precision of the mechanics. Smaller steps between the modules mean more precision in the aiming of your DVA linear array system.



Ground stacking options

Every time it is not possible to fly the system, the DVA mini can serve you as a ground stacked system. Indeed this system can be easily mounted on the top of the MS12 sub without any additional frame or mechanic.

As an optional, DSA-M2 pole mount adapter can handle the line arrays modules, helping the user to elevate the system to a reasonable height through a standard pole.

2-Way Passive Line Array System

DVA M2P

DVA M2P comes from the same wealth of knowledge of DVA MINI and combines the elegant look, the acoustical and mechanical features of the predecessor in a compact, simple to configure, lightweight and extremely versatile format. It sets the new benchmark for easy-to-use passive systems with top-range sound performance, confirming itself as the ideal choice for permanent installation in theatres, houses of worship, convention centres and live music gigs where it is preferred to work with passive systems.

Full of Technology

DVA M2P

Technical Data

Speaker Type: 2-Way Passive Line Array Module

Acoustical data

RMS Power: 150 W
Peak Power: 300 W
Impedance: 16 Ohms
Frequency Response [-6dB]: 78 - 19.000 Hz
Frequency Response [-10 dB]: 68 - 20.000 Hz
Max SPL: One Unit: 126 dB
HF: 2x1"
Type HF: Neodymium
Voice Coil HF: 1"
LF: 2x6.5"
Type LF: Neodymium
Voice Coil LF: 1.5"
Directivity: 90x15° Single unit

Input/Output Section

Signal Input: 1x Speakon (Pin 1==+) (Pin 1==)
Signal Output: 1x Speakon (Pin 1==+) (Pin 1==)

Mechanics

Housing: Polypropylene PP
Handles: 2x back side
Fittings: Integrated hardware with fast lock mechanics
Splay Angles: 0° - 1,5° - 3° - 4,5° - 6° - 8° - 10° - 12,5° - 15°
Width: 460 mm (18.1 in)
Height: 190 mm (7.5 in)
Depth: 345 mm (13.6 in)
Weight: 7.1 kg (15.7 lbs.)

**2-WAY PASSIVE
LINE ARRAY SYSTEM**

**INTEGRATED HARDWARE
WITH INNOVATIVE
FAST LOCK MECHANICS**

**LIGHTWEIGHT AND ELEGANT
PREMIUM DESIGN**

**DUAL PHASE PLUG DESIGN
FOR AN EXTREMELY
PRECISE DISPERSION**

150W/RMS, 16 OHMS

**LIGHTWEIGHT
NEODYMIUM MAGNETS
FOR ALL TRANSDUCERS**



Active Bass Reflex

Flyable Subwoofer

**ACTIVE BASS REFLEX
FLYABLE SUBWOOFER**

**INTEGRATED HARDWARE
WITH INNOVATIVE
QUICK-LOCK MECHANICS**

**LIGHTWEIGHT AND ELEGANT
PREMIUM DESIGN**

**700W RMS DIGIPRO® G3
CLASS-D AMPLIFIER
(1400W PEAK POWER)**

**SWITCHED MODE POWER
SUPPLY WITH AUTO-RANGE**

**HI END DIGITAL CONTROLLER
ON BOARD (DSP)**

**DUAL FUNCTION FEET
(FLYING OR GROUND
STACKING PURPOSES)**

DVA MS12

DVA MS12 is the flyable subwoofer which comes with the DVA mini series.

Especially designed to fit perfectly with an M2M and M2S array, the MS12 is equipped with a single 12" woofer in a bass reflex enclosure, acting as a perfect low-end extension module for DVA mini systems.

Full of Technology



Top Performance Combined With Total Control

DVA MS12

Technical Data

Speaker Type: Active bass reflex flyable subwoofer

Acoustical data

Frequency Response [-6dB]: 45 - 140 Hz

Frequency Response [-10 dB]: 40 - 165 Hz

Max SPL: One Unit: 131 dB

LF: 12"

Voice Coil LF: 3"

Directivity: Omnidirectional

Amplifier

Amp Technology: Digipro® G3

Amp Class: Class-D

Power Supply: 700W SMPS with PSU Auto-range
(110V~ and 220V~)

RMS Power: 700 W

Peak Power: 1400 W

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24 bit/48 kHz

Controls: X-Over frequency selection

Phase selection (0° or 180°)

Outputs mode selection (Link/X-over)

Mini-USB "B" type port (service data)

Limiter: Dual active, Multiband, RMS/Peak, Thermal

Crossover Frequency LF-HF: 90Hz - 120Hz

LF X-over out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood - Polyurea painting

Handles: 1x left side, 1x right side

Feet: 4x Dual Position Reversible Feet
(flying/stacking mode)

Fittings: M20 screw for pole mount on top side
Integrated hardware with fast lock mechanics

Width: 460 mm (18.1 in)

Height: 430 mm (16.9 in)

Depth: 385 mm (15.2 in)

Weight: 26.5 kg (58.4 lbs)

Versatility

This subwoofer delivers an incredible SPL considering its very compact dimensions, and it can be easily used both flown and ground stacked.

The smart design of the feet allows the user to avoid the dull removal of the flying brackets: it is possible to remove the feet in few seconds and screw them again upside-down. In this way any contact between the flying brackets and the ground is avoided, as only the rubber feet will touch it.

A practical X-over out can be used to feed signal straight to the line arrays modules, simplifying considerably the signal and power cabling.



Digipro® G3 Class-D amplifier

DVA MS12 comes with the new generation of exclusive digital amplifiers Digipro® G3.

Engineered by dBTechnologies, these new amplifiers deliver a power that you can't expect from such a small amplifier. Distinguished by great new features, an exceptionally lightweight design and a very remarkably efficiency, it pushes the system performance at its maximum.

In order to let the speaker play flawlessly with both 110V~ and 220V~ power, a Switched Mode Power Supply with auto-range circuit has been built inside the DVA MS12.



Download telemetry from USB

An integrated USB B-type port on the DVA MS12 amplifier allows the user to access the complete telemetry of the sub, monitoring the status of the speaker, including total playing hours, temperatures and performances reports.

Furthermore it is possible to download a file log as a status report, as well as upgrade the firmware of the DVA MS12 using the same USB port.

DVA

Accessories

AC 26N

The new audio digital processor AC26N allows you to control any professional audio system, both active and passive.

Equipped with two inputs and six outputs balanced analogically, two in/out digital AES/EBU and an RDNet control, this processor allows a perfect control in a simple and complete way. Each output possesses a parametric equalizer, delay, phase and level control, completely run by a powerful 28/56 Bit DSP, unique in its kind. This processors control may be directed by the front control panel or through an RDNet connected computer.



AC 26N

Technical Data

Digital Audio Controller for Loudspeaker Processing

I/O

2x XLR Balanced analog inputs
6x XLR Balanced analog outputs
2 channels AES/EBU digital input (XLR connector)
2 channels AES/EBU digital outputs (XLR connector)

General Features

Full range power supply
RDNet Hardware Interface
USB Interface
Remotable via RDNet or USB with PC software
Clean and Easy to use user interface on front panel

Audio Specifications

Max input level: 21dBu (or 27dBu with -6dB pad)
Max output level: 21dBu
DSP processing: 28/56bit - 48KHz
A/D and D/A Converters: 24bit - 96KHz
Analog Input S/N ratio: 115dB
A/D Section S/N ratio: 118dB
D/A Section S/N ratio: 120dB



DRK 20M

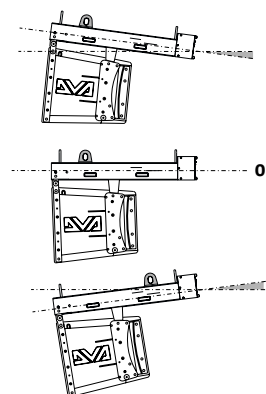
The DRK20M is the first motorized fly bar in the world for line array systems.

Equipped with a system that modifies the clusters focal point, it is possible to adjust the inclination of the sound system in any moment without having to lower the loudspeakers; this makes it possible to change the sound coverage, when necessary, even during the event.

This system can be directed from RDNet or by simply using a manual remote control connected with a standard XLR cable.

Motorized Rigging Frame

The DRK 20M is equipped with an RDNet interface, in order to control each of its functions through a computer and monitor its position in real time. The motorized flybar is also very useful in facilitating the installation of line array modules by adjusting the clusters inclination progressively, as each single modules' applied angles vary. Thanks to its solid structure in special steel, it is possible to hang speakers of the DVA series with a weight of up to 1000 kg, TUV certified.



BAGS/COVERS

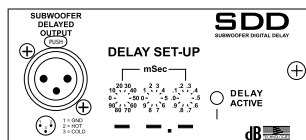
	Description	Designed for
DRP S10	Rain cover for DVA S10 DP	Rain cover for DVA S10 DP
DRP T4	Rain cover for DVA T4	DVA T4
RC M2	Rain cover for DVA Mini M2M, M2S and M2P	DVA M2M+M2S / DVA M2P
RC MS12-SUBH	Rain cover for DVA mini MS12	DVA MS12 / DVA KS10
TC 08S	Tour cover for DVA S08 DP	DVA S08 DP
TC 09S	Tour cover for DVA S09 DP	DVA S09 DP
TC 10S	Tour cover for DVA S10 DP and S1518N	DVA S10 DP / DVA S1518 N
TC 20S/TC 30S	Tour cover for DVA S20 DP and S30 N	DVA S20 DP / DVA S30 N / DVA KS20
TC 18S	Rain cover for DVA S1518 N – S1521 N – S2585 N	DVA S1518 N / DVA S1521 N / DVA S2585 N
TCA 30S	Rain cover DVA S30 N	DVA S30 N / DVA KS20

CABLES

	Description	Designed for
AFL 05	Powercon-Powercon link cable. 1,5m length. Used to Link: DVA T12 > DVA Subs (S1518N-S2585N-S10DP-S09DP)	DVA S09 DP / DVA S10 DP / DVA S1518 N / DVA S2585 N / DVA T12
DAC 15	XLR-XLR audio cable (50 cm)	DVA T4 / DVA T8 / DVA MS12 / DVA M2M / DVA K5
DCK 15	Cable-Set for 2 x DVA T4, T8 or M2M containing one Powercon-Powercon Patch Cable (50cm) and one XLR-XLR Patch Cable (50cm)	DVA M2M / DVA MS12 / DVA T4 / DVA T8 / DVA K5
DCK 27	Cable-Set for DVA T12 containing 2x Powercon links, 70cm blue/grey, 2 x XLR M/F 70 cm	DVA M2M / DVA MS12 / DVA T4 / DVA T8 / DVA T12
DCK 45	Cable-Set for 4 x DVA T4 / T8 / T12 or M2M, including 1x Powercon / IEC Plug cable (10m), 3x Powercon Slave (50cm) and 3x XLR Patch Cable (50cm)	DVA M2M / DVA T4 / DVA T8 / DVA T12 / DVA K5
DPC 15	Powercon-Powercon power link cable (50cm)	DVA M2M / DVA MS12 / DVA T4 / DVA T8 / DVA K5 / DVA KS20
DPC 1000M	Mains PowerCON cable (10m)	DVA M2M / DVA MS12 / DVA T4 / DVA T8 / DVA K5 / DVA KS20
RDC-45F	RJ45 to XLR 3 poles female conversion cable, 6 cm length. The cable converts from RDNet RJ45 to XLR F	DVA RDNet Speakers & Subs
RDC-45M	RJ45 to XLR 3 poles male conversion cable, 6 cm length. The cable converts from RDNet RJ45 to XLR M	DVA RDNet Speakers & Subs
RJ45-RJ45-170	RJ45-RJ45 link cable (170cm) for RDNet-equipped speakers. Professional cable with double shielding and Neutrik connectors	DVA RDNet Speakers & Subs
RJ45-RJ45-75	RJ45-RJ45 link cable (75cm) for RDNet-equipped speakers. Professional cable with double shielding and Neutrik connectors	DVA RDNet Speakers & Subs

ELECTRONICS

SDD Delay



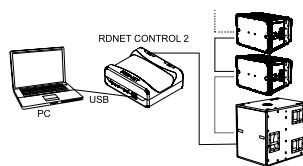
Description

Digital delay module for S10 DP and S20 DP subs. Delay time ranging from 0.01 to 99.9 ms. It allows you to align subwoofers to full-range speakers with a calculated delay time and/or create special configurations, such as cardioid and and-fired, with subs not equipped with built-in delay. It comes up with delayed XLR output to connect other subs with the same delay time

Designed for

DVA S10 DP / DVA S20 DP

RDNet Control 2



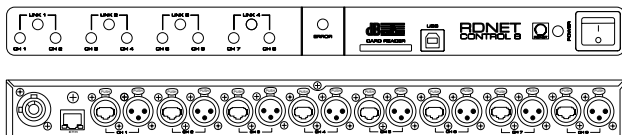
Description

RDNet Controller for 2 Lines to control up to 32 Speakers. USB interface

Designed for

DVA RDNet Speakers & Subs

RDNet Control 8



Description

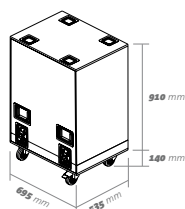
RDNet Controller for 8 Lines to control up to 256 Speakers. USB and Ethernet interface

Designed for

DVA RDNet Speakers & Subs

TRANSPORT

ADTF-2



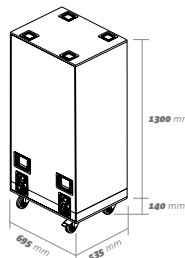
Description

Flight case for 2 DVA T12 modules. The case is equipped with self-centering metal cart to facilitate assembly and disassembly of the modules

Designed for

DVA T12. Compatible with DVA T8 and T4

ADTF-3



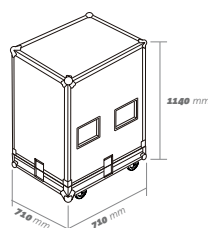
Description

Flight case for 3 DVA T12 modules. The case is equipped with self-centering metal cart to facilitate assembly and disassembly of the modules

Designed for

DVA T12. Compatible with DVA T8 and T4

DF 4



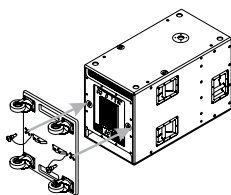
Description

Fly case for DVA T4 and T8 modules in black laminated wood veneer with aluminium profiles. It does not include the DT-6 trolley (Optional)

Designed for

DVA T4 / DVA T8. Compatible with DVA T12

DO 18



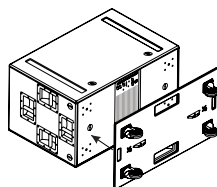
Description

Dolly for S1518, S2585 (including wheels)

Designed for

DVA S1518 N / DVA S2585 N

DO 218



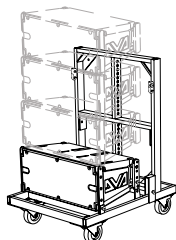
Description

Dolly for DVA S30 (including wheels)

Designed for

DVA S30 N

DT 6



Description

Metal trolley to carry up to 6 DVA T4/T8 modules or up to 4 DVA T12 modules. In case of T4/T8 modules, when combined with DF-4 flight case, you can also fit 1 DRK-10 fly bar and various cables in the rear. Ready for mounting 4 Blue-wheels (included)

Designed for

DVA T12 / DVA T4 / DVA T8 / DVA K5

DT-8MINI



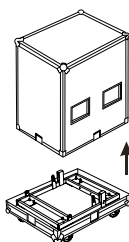
Description

Metal trolley for DVA Mini systems

Designed for

DVA M2M+M2S / DVA M512 / DVA M2P

DTF 4



Description

Bundle: DT 6 Metal-Trolley + Professional flight case DF 4 to setup, disassemble and transport DVA T4 - T8 modules. You can also fit 1 DRK-10 fly bar and various cables in the rear

Designed for

DVA T4 / DVA T8 / DVA K5

DWK 20



Description

Kit consisting of 4-wheel for DVA subwoofers

Designed for

DVA S09 DP / DVA S10 DP / DVA S1518 N / DVA S1521 N / DVA S20 DP / DVA S2585 N / DVA S30 N

SWK-18 KIT



Description

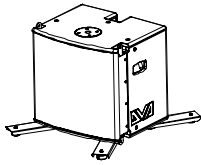
Kit consisting of 4 wheels for DVA K Series subwoofers back panel

Designed for

DVA KS10 / DVA KS20

INSTALLATION

DGS MS12



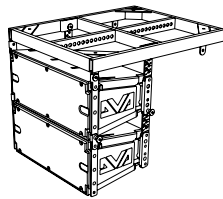
Description

Base for ground stacking DVA MS12 and DVA M2

Designed for

DVA MS12

DRK-10 & DRK-10W



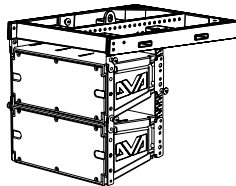
Description

Fly bar for all DVA systems. Designed to hang up to a maximum weight of 250 Kg (TUV certified). Usable for stack configurations with supplied hardware, either on DVA subwoofers or on the stage directly. White available

Designed for

DVA S09 DP / DVA S10 DP / DVA S1518 N / DVA 1521 N / DVA S20 DP / DVA S2585 N / DVA S30 N / DVA T12 / DVA T4 / DVA T8 / DVA K5 / DVA KS20

DRK-20



Description

Fly bar for DVA systems. Designed to hang up to a max. weight of 1800 kg (TUV certified). Usable for stack configurations with supplied hardware, either on DVA subwoofers or on the stage directly. Black color.

Designed for

DVA S09 DP / DVA S10 DP / DVA S1518 N / DVA 1521 N / DVA S20 DP / DVA S2585 N / DVA S30 N / DVA T12 / DVA T4 / DVA T8 / DVA K5 / DVA KS20

DRK-M5 & DRK-M5W



Description

Fly bar for hanging up to 16 DVA Mini modules. White available

Designed for

DVA M2M+M2S / DVA M2P / DVA MS12

DRK-HK



Description

Additional hook for DRK-20, plus 2 Pins

Designed for

DVA S09 DP / DVA S10 DP / DVA S20 DP / DVA S1518 N / DVA 1521 N / DVA S2585 N / DVA S30 N / DVA T12 / DVA T4 / DVA T8 / DVA K5 / DVA KS20

DRL-45



Description

Rigging-Lift, Max Height 4.50m [14.8 feet], max. Load 300 kg [661 lbs.]

Designed for

DVA T Systems / DVA Mini Systems / DVA K5

DS-2



Description

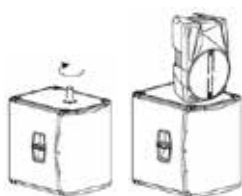
Pole Mount Pole Mount 35mm, adjustable, M20 thread.

Designed for

DVA S08 DP / DVA S09 DP / DVA S10 DP / DVA S30 N / DVA S1518 N / DVA S2585 N / DVA S1521 N / DVA T8 / DVA K5 / DVA KS10 / DVA KS20

DVA Accessories

DS2-S



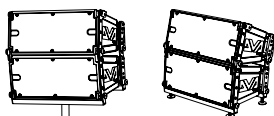
Description

Pole Mount M20 thread, 20cm length. It can be used on all DVA or H Subs. It allows the installation of any loudspeakers provided with a 35 mm hole on any subwoofer with threaded M20 speaker stacking (height 11 cm)

Designed for

DVA S08 DP / DVA S09 DP / DVA S10 DP / DVA S30 N / DVA MS12 / DVA S1518 N / DVA S2585 N / DVA S1521 N / DVA KS10 / DVA KS20

DSA-4



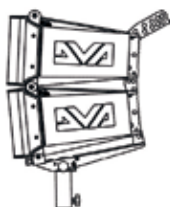
Description

Adapter for up to 3 DVA T4/T8 on a speaker stand/pole or floor use through adjustable feet. Throw angle adjustable through graduated knob

Designed for

DVA T4 / DVA T8 / DVA K5

DSA-M2A



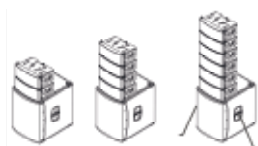
Description

Pole mount adapter for DVA Mini modules

Designed for

DVA M2M+M2S / DVA M2P

DSF-M2



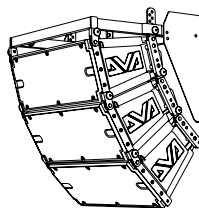
Description

Adapter for fixing DVA M2 to SUBS H and SUBS D

Designed for

DVA M2M / DVA M2S / DVA M2P

DWB-3



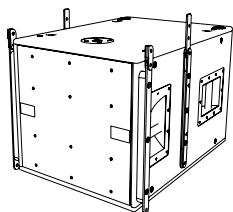
Description

Metal frame for hanging up to 3 DVA T4/T8 modules in fixed installations on walls.

Designed for

DVA T4 / DVA T8 / DVA KS10

SRK-09 & SRK-09W



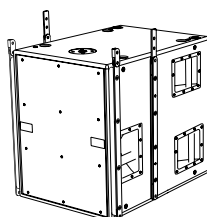
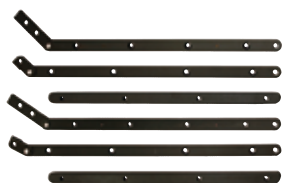
Description

Optional hardware kit to hang up DVA S09 DP to DRK-10 or DRK-20 fly bars. It allows you to hang up other DVA T line arrays under subs or can be used to create stack configurations without any fly bar. White available

Designed for

DVA S09 DP

SRK-10 & SRK-10W



Description

Optional hardware kit to hang up DVA S10 DP, S1518N and S2585N subs to DRK-10 or DRK-20 fly bars. It allows you to hang up other DVA T line arrays under subs or can be used to create stack configurations without any fly bar. White available

Designed for

DVA S1518 N / DVA S2585 N / DVA KS10



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

DVX **P8**
DVX **P10**
DVX **P12**
DVX **P15**
DVX **P215**
DVX **PSW15**
DVX **PSW18**
DVX **PSW218**

Digital Active System

- **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 birch 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 power 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 birch multiplex housing equipped with PowerCon mains connectors and a rugged metal grille backed with laminated 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 birch 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 birch 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 birch 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 birch 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)



Professional Stage Monitors

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~)**

DVX DM12 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 birch 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 DM15 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 birch 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 through 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 birch 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.





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 multifunctional speaker is used as stage monitor.

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 birch 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)



Power. Unleashed.

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 birch 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 birch 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)



Professional Passive Speakers & Subs

**MULTIFUNCTION 2-WAY
PASSIVE SPEAKERS**

**ROTATABLE HIGH-FREQUENCY
HORNS FOR HORIZONTAL USE**

**STATE-OF-THE-ART
TRANSDUCERS**

**PREMIUM CROSSOVER WITH
PRECISION FILTERS**

**SELF-RESETTING THERMAL
PROTECTION ON HF DRIVER**

**MULTIPLEX BIRCH PLYWOOD
ENCLOSURES, STURDY AND
LIGHTWEIGHT**

**HIGH-PERFORMANCE PASSIVE
SUBWOOFERS**

DVX P

DVX P Series offers the same acoustic performance and reliability delivered by the renowned DVX series but dedicated to those demanding professionals who prefer to work with passive systems. The quality of transducers and wood used for the enclosure, the precision filters for crossovers of the full-range units joined to their compact dimensions, lightweight and a sturdy construction, make this series a new reference point in sound reinforcement for touring, portable and fixed installations.

Combining DVX P/PSW series speakers & subs with HPA power amplifiers, ASX24 active crossover, AC26N or DSX2040 digital audio processors, creates high-end professional audio systems with top class performance.

Full of Technology



The line-up is composed by 5 full-range passive speakers (DVX P8, P10, P12, P15 and P215) with built-in premium crossovers, and 3 passive subwoofers (DVX PSW15, PSW18 and PSW218). The first four tops are 2-way systems, the P215 is a 2-way systems with full-range or bi-amp option. All subwoofers come without built-in crossover.

DVX P series features high-quality woofers and neodymium compression drivers on symmetric horns. The HF dispersion is 90°x70° on DVX P8 and P10; 90°x40° on DVX P12 and P15; 60°x40° on P215. All compression driver horns are rotatable, in order to guarantee the same HF coverage even in case of stage monitor use (not for P215) or horizontal hanging use. The transducers are driven by 2-way crossovers with 18dB/oct. (High-Pass) and 12dB/oct. (Low-Pass) precision filters. A self-resetting thermal protection circuit prevents damages to drivers in case of protracted overloading. The DVX P215 offers the bi-amped option. In any case, however, the protection on high frequencies is always active.

The birch plywood enclosures are specifically designed to render live or background music, as well as speech contents, in medium to large sized venues. They feature scratch-resistant black paint, rugged metal grille with acoustic foam and elegant yet professional look. All models are equipped with side handles (one on top for DVX P8 and P10), fly pins for quick-release wall-mount brackets (not on P215) and M8/M10 rigging points to facilitate the hanging use. They are also provided with a standard aluminium D36mm pole mount cup (not on P215).

The birch plywood bass-reflex enclosures with premium transducers enable DVX PSW subs to deliver a truthful impulse response, providing a finely shaped sound image and boosting low-end frequencies without losing the advantages of portability. They feature housing handles, standard M20 pole mount plates, wheels predisposition on bottom, and recesses on top (side for PSW218) to facilitate the stacking of another sub or a full-range speaker.

DVX P8

Speaker Type: 2-Way Passive Speaker

RMS Power: 300 W
 Peak Power: 600 W
 Impedance: 8 Ohms
 Sensitivity 1W@1m: 94 dB
 Frequency Response [- 10dB]: 75 - 20.000 Hz
 Frequency Response [- 6dB]: 100 - 20.000 Hz
 Max SPL: 125 dB
 HF: 1"
 Voice Coil HF: 1.5"
 Driver Protection: PTC
 Directivity: 90X70°
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1800 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 8"
 Voice Coil LF: 2"

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-=)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-=)

Housing: Multiplex birch plywood
Rigging Points: 12 x M8
 2 x flypin
Pole mount cup: D36mm (aluminium)
Handles: 1x housing (top side)
Width: 250 mm (9.84 in)
Height: 425 mm (16.73 in)
Depth: 270 mm (10.24 in)
Weight: 9.8 kg (21.06 lbs.)



DVX P10

Speaker Type: 2-Way Passive Speaker

RMS Power: 300 W
 Peak Power: 600 W
 Impedance: 8 Ohms
 Sensitivity 1W@1m: 96 dB
 Frequency Response [- 10dB]: 70 - 20.000 Hz
 Frequency Response [- 6dB]: 90 - 20.000 Hz
 Max SPL: 127 dB
 HF: 1"
 Voice Coil HF: 1.5"
 Driver Protection: PTC
 Directivity: 90X70°
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1800 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 10"
 Voice Coil LF: 2"

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Housing: Multiplex birch plywood
Rigging Points: 12 x M8
2 x flypin
Pole mount cup: D36mm (aluminium)
Handles: 1x housing (top side)
Width: 290 mm (11.4 in)
Height: 510 mm (20.1 in)
Depth: 310 mm (12.2 in)
Weight: 12.5 kg (27.6 lbs.)



DVX P12

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

RMS Power: 500 W
Peak Power: 1000 W
Impedance: 8 Ohms
Sensitivity 1W@1m: 100 dB
Frequency Response [- 10dB]: 60 - 20.000 Hz
Frequency Response [- 6dB]: 90 - 20.000 Hz
Max SPL: 133 dB
HF: 1.4"
Voice Coil HF: 2.5"
Driver Protection: PTC
Directivity: 90X40°
Horn: CD Horn Aluminium
Rotatable Horn: Yes
Crossover Frequency (passive): 1400 Hz
Slope MF-HF: 18 dB/Octave
LF: 12"
Voice Coil LF: 3"

Input/Output Section

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
Rigging Points: 12 x M10
4 x flypin
Pole mount cup: D36mm (aluminium)
Handles: 2x housing (1 x side)
Width: 370 mm (14.6 in)
Height: 625 mm (24.6 in)
Depth: 395 mm (15.5 in)
Weight: 23.2 kg (51.1 lbs.)



DVX P15

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

RMS Power: 500 W
Peak Power: 1000 W
Impedance: 8 Ohms
Sensitivity 1W@1m: 100 dB
Frequency Response [- 10dB]: 60 - 20.000 Hz
Frequency Response [- 6dB]: 70 - 19.000 Hz
Max SPL: 133 dB
HF: 1.4"
Voice Coil HF: 2.5"
Driver Protection: PTC
Directivity: 90X40°
Horn: CD Horn Aluminium
Rotatable Horn: Yes
Crossover Frequency (passive): 1400 Hz
Slope MF-HF: 18 dB/Octave
LF: 15"
Voice Coil LF: 3"

Input/Output Section

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
Rigging Points: 12 x M10
4 x flypin
Pole mount cup: D36mm (aluminium)
Handles: 2x housing (1 x side)
Width: 430 mm (16.9 in)
Height: 690 mm (27.2 in)
Depth: 450 mm (17.7 in)
Weight: 26.1 kg (57.5 lbs.)



Power. Unleashed.

DVX P215

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

RMS Power: 1000 W
 Peak Power: 2000 W
 Impedance: 4 Ohms
 Sensitivity 1W@1m: 103 dB
 Frequency Resp. [- 10dB Full-range]: 60 - 20.000 Hz
 Frequency Resp. [- 6dB Full-range]: 90 - 20.000 Hz
 Frequency Resp. [Bi Amp]: 60Hz - 2KHz (woofer)
 700Hz - 20KHz (driver)

Max SPL: 136 dB
 HF: 1.4"
 Voice Coil HF: 2.5"
 Driver Protection: PTC
 Directivity: 60X40°
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1300 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 2x15"
 Voice Coil LF: 3"

Input/Output Section

Signal Input: 1x Speakon
 Signal Output: 1x Speakon

Mechanics

Housing: Multiplex birch plywood
 Rigging Points: 11 x M10
 Handles: 4x housing
 Width: 446.5 mm (17.58 in)
 Height: 1202 mm (47.32 in)
 Depth: 500 mm (17.7 in)
 Weight: 47 kg (103.6 lbs.)



DVX PSW15

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

RMS Power: 500 W
 Peak Power: 1000 W
 Impedance: 8 Ohms
 Frequency Response [- 10dB]: 35 - X-Over Hz
 Frequency Response [- 6dB]: 40 - X-Over Hz
 Max SPL: 132 dB
 LF: 15"
 Voice Coil LF: 3"
 Internal Crossover: No

Input/Output Section

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Pole Mount: M20 (aluminium)
 Handles: 2x housing (1x side)
 Width: 470 mm (18.5 in)
 Height: 627 mm (24.7 in)
 Depth: 600 mm (23.6 in)
 Weight: 30.9 kg (68.1 lbs.)



DVX PSW18

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

RMS Power: 1000 W
Peak Power: 2000 W
Impedance: 8 Ohms
Frequency Response [- 10dB]: 28 - X-Over Hz
Frequency Response [- 6dB]: 32 - X-Over Hz
Max SPL: 134 dB
LF: 18"
Voice Coil LF: 4"
Internal Crossover: No

Input/Output Section

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
Pole Mount: M20 (aluminium)
Handles: 4x housing (2x side)
Width: 565 mm (22.2 in)
Height: 710 mm (27.9 in)
Depth: 700 mm (27.5 in)
Weight: 44.1 kg (97.2 lbs.)



DVX PSW218

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

RMS Power: 2000 W
Peak Power: 4000 W
Impedance: 4 Ohms
Frequency Response [- 10dB]: 28 - X-Over Hz
Frequency Response [- 6dB]: 32 - X-Over Hz
Max SPL: 140 dB
LF: 2x18"
Voice Coil LF: 4"
Internal Crossover: No

Input/Output Section

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
Pole Mount: 2x M20 (aluminium)
Handles: 4x housing (2x side)
Width: 565 mm (22.2 in)
Height: 1207 mm (47.5 in)
Depth: 700 mm (27.5 in)
Weight: 74.2 kg (163 lbs.)

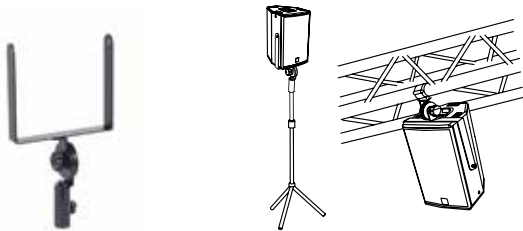


BAGS/COVERS

	Description	Designed for
TC 8	Tour cover for DVX 8" speakers	DVX D8 HP / DVX P8
TC 10	Tour cover for DVX 10" speakers	DVX D10 HP / DVX P10
TC 12	Tour cover for DVX 12" speakers	DVX D12 HP / DVX P12
TC 15	Tour cover for DVX 15" speakers	DVX D15HP / DVX P15
TC 12M	Tour Cover for DVX DM12	DVX DM 12
TC 15M	Tour Cover for DVX DM15	DVX DM15
TC 28M	Tour Cover for DVX DM28	DVX DM 28

INSTALLATION

DTF 8



Description

Easy mount bracket for DVX 8" speakers. It includes 2 quick release pins. Vertical angle adjustable through gear knob

Designed for

DVX D8 HP / DVX P8

DTF 8A



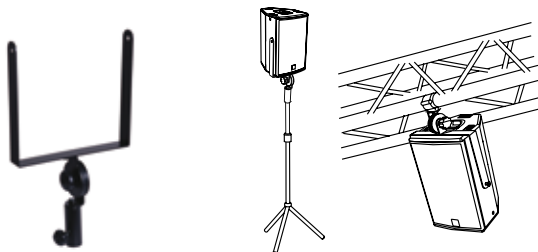
Description

Easy mount bracket for DVX 8" speakers. It can be mounted either on the wall or on any kind of structure. The speaker is attached to the bracket using 2 pins that allow its quick disassembly without changing the installation position. The gear knob can be locked at any angle. Black color

Designed for

DVX D8 HP / DVX P8

DTF 10



Description

Easy mount bracket for DVX 10" speakers. It includes 2 quick release pins. Vertical angle adjustable through gear knob

Designed for

DVX D10 HP / DVX P10

DTF 10A



Description

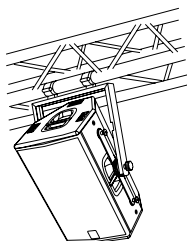
Bracket for DVX 10" speakers. It can be mounted either on the wall or on any kind of structure. The speaker is attached to the bracket using 2 pins that allow its quick disassembly without changing the installation position. The gear knob can be locked at any angle. Black color

Designed for

DVX D10 HP / DVX P10

INSTALLATION

DTF 12



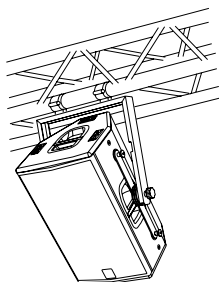
Description

Easy mount bracket for DVX 12" speakers. It includes 2 quick release pins. Vertical angle adjustable through gear knob

Designed for

DVX D12 HP / DVX P12

DTF 15



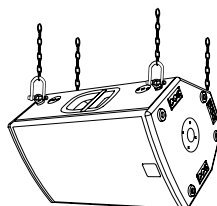
Description

Easy mount bracket for DVX 15" speakers. It includes 2 quick release pins. Vertical angle adjustable through gear knob

Designed for

DVX D15 HP / DVX P15

TE M8



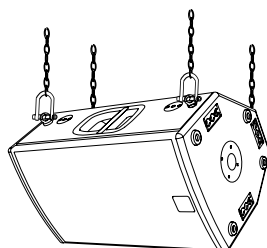
Description

Eye-bolt set (4 pcs) with M8-thread

Designed for

DVX D10 HP / DVX D8 HP / DVX P8 / DVX P10

TE M10



Description

Eye-bolt set (4 pcs) with M10-thread

Designed for

DVX D12 HP / DVX D15 HP / DVX / DM 12 / DVX P10 / DVX P12 / DVX P215

WB09



Description

Universal wall mount bracket, swivel and tilt Ø35mm pole mount

Designed for

DVX HP Series / DVX P8 / DVX P10 / DVX P12 / DVXP15

UHF Wireless Microphone System

MOVING D

The actual worldwide radio frequency scenario in UHF band is extremely crowded and complex for all wireless microphones users, because the same frequencies are shared with Digital TV and new generation Internet communication tools. The final solution to all these problems is offered by the use of digital technology in UHF band, which delivers less interferences and absence of noise, guarantees digital quality audio, offers a dynamic range greater than all analogue systems due to its compander-free circuitry, guarantees the utmost discretion in any context thanks to the audio encryption. These few aspects would already be enough to describe the huge step forward that digital technology allows to wireless systems, but dBTechnologies goes well beyond this standard by introducing a new ground-breaking digital wireless system whose innovation will surely be a turning point in the current panorama.

Worldwide Wireless Connectivity

MOVING-D is the first microphone wireless system in the world with 400 MHz (470-870 MHz) continuous working range without band switch and using the same transmitter and receiver. This means that it is able to work with a bandwidth of 400 MHz and use more than 20 transmitters simultaneously, without having any loss in reception and audio quality. In other words, with the same receiver and transmitter you cover all UHF frequencies used in the world by wireless microphones, making it ready for each country without the need of creating local frequency bands.

Easy “Quick-Start” Frequency Selection and Assignment System

The Automatic Frequency Scan & Assignment System is able to scan wherever you are the best frequencies, without intermodulation interference and permitted by local regulations. You only need to choose the “country” by using the on-board display on the receiver - or from the PC software connected through USB port - and the internal engine will do everything for you.

MOVING D features 44.1kHz/16bit digital audio without “pumping” effect, due to the “compander-free” circuitry and the patented dBTechnologies algorithm. It also offers an extremely low latency (2.8ms) that avoids the effect of delayed sound, typical of other digital wireless systems.

Infrared Rx/Tx Setup and Communication System

Once you set the operating frequencies on the receiver, you can automatically setup the body-pack or the handheld transmitter through the on-board infrared communication system, avoiding annoying manual procedures.

**470-870 MHZ CONTINUOUS
WORKING RANGE WITH NO
BAND SWITCH**

DIGITALLY ENCRYPTED AUDIO

INFRARED RX/TX SETUP

**BUILT-IN SPECTRUM
ANALYZER WITH PC
SOFTWARE**



Digitally Encrypted Audio

The utmost discretion is guaranteed in any context (Corporate, Military and Government applications), thanks to the 48-bit random encryption key. This means that you can't decrypt the audio signal even from another Moving-D in the nearby.



Built-in Spectrum analyzer with PC software

The MOVING-D Software is a complete programming and monitoring application for PC, and offers many useful tasks including spectrum analyser, automatic frequency scan, intermodulation calculation, transmitter gain adjust and many others.

It also possible to keep updated the firmware through the USB Mini-B Port on the receiver. Once done you can send the new firmware to the body-pack or the handheld transmitter via infrared connection.

The Moving D is designed for professional applications where absolute reliability, extreme ease of use and scalability are important, and make this digital wireless microphone system the ideal tool to meet the needs of the most demanding professionals on the stage, in broadcasting environment, corporate applications and more. His versatility is also confirmed by the wide range of accessories, which includes broadband directive log-periodic antenna for applications where high directivity is needed, 1U rack mount adapter, 1U rack mount antenna splitter, instrument cable for body-pack, antenna attenuator, low-noise antenna amplifier, Beyerdynamic headset and lavalier microphone.



Moving D Touring Rack

Moving D Touring Rack is a multi-receiver digital system able to manage the entire UHF Band from 470 to 790MHz. This way, the system works with a 400 Megahertz continuous range without band switch. Where regulations require to work on specific intervals, the system allows you to select from among more than 16,000 frequencies, so that the system can be potentially used in every country of the world even in case of a change in Regulations.

The Touring Rack is composed of:

- N. 6 Moving D receivers
- N. 1 Splitter Antenna
- N. 1 HUB 800
- N. 1 RPS10
- XLR connectors

ACCESSORIES

AS6W Antenna splitter for 6 Moving D receivers

AA800W KIT Kit composed by 2x Antenna amplifiers

DCK-BNC25 5 m BCN-BNC cable

DCK-BNC210 10 m BCN-BNC cable

DCK-BNC220 20 m BCN-BNC cable

HUB 800 Network hub for wireless system

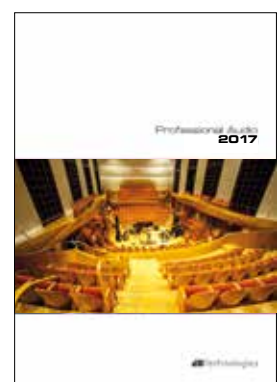
IC-S Guitar cable for MOVING D bodypack transmitter

OWBA 800 Kit composed by 2x omnidirectional antennas in band 470 - 870 MHz for MOVING-D digital wireless systems and 2x microphone stand adapters.

RDA800W Kit composed by 2x fin-shaped passive directive antennas for MOVING-D wireless systems, in band 470 - 870 MHz with 9dB gain.

RPS10 Wireless system power supply

UPA800 KIT Kit composed by 2x Antenna attenuators



See also the **Professional Audio 2017** catalogue

Find all products datasheets on
www.dbtechnologies.com

Features, specification and appearance of products are subject to change without notice. dbTechnologies reserves the right to make changes or improvements in design or manufacturing without assuming any obligation to change or improve products previously manufactured.

dBTechnologies

Italy & International sales

AEB Industriale Srl

Via Brodolini, 8 - Loc. Crespellano

40053 Valsamoggia (BO) ITALY

Tel +39 051 96 98 70

Fax +39 051 96 97 25

info@dbtechnologies-aeb.com

dBTechnologies Deutschland GmbH

Germany, Belgium, Netherlands, Luxembourg, Austria

Hansestrasse 93

51149 Köln

Tel. +49 (0)2203 925370

Fax. +49 (0)2203 9253773

verkauf@dbtechnologies.de



dBTechnologies
www.dbtechnologies.com