



Spec Sheet

DVA S1521 N

Active Bass-reflex Subwoofer
21", 1500 Watt RMS **digipro G2**



Applications

- Live sound for rental application
- Music playback and sound reinforcement for mid-size and large venues
- PA, clubs, ballrooms, live theatre
- House of worship and corporate A/V professionals

Features

- Active Bass-reflex Subwoofer
- 1500W Class-D Digipro® G2 amplifier
- Network-ready with Integrated RDNet port
- 56bit DSP - 24 bit \ 96 KHz A/D conversion
- Crossover freq. 60 Hz - 105 Hz (steps of 5 Hz)
- Switched Mode Power Supply with PFC
- Internal delay 0 - 4.5 ms (steps of 0.5 ms)
- Rigging points for fly kit and rigging frames

Description

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.

The DVA S1521 N is equipped with a state-of-the-art 21" woofer with 4.5" voice coil. The combination of high-quality materials and sophisticated magnetic drivers fields some pretty impressive results. So very-low bass frequencies are rendered with pinpoint precision and hair-trigger transient response, treating audiences to a breath-taking audio experience.

The woofer is driven by a Digipro® G2 digital power amp with up to 1500W RMS output. This technology is so very efficient that it does not require fans. With no moving parts to tend to, these amps are altogether maintenance-free. It is also equipped with PFC switched-mode power supplies, immune from line voltage fluctuations.

This subwoofer feature a premium-quality DSP, boasting excellent audio specs with variable crossover frequencies, precise limiter functions and adjustable delay settings for perfect time alignment. It also provides an X-Over output for connecting satellites. Factory-equipped with a RDnet port, the DVA S1521 N is ready for integration into elaborate, remotely controlled and monitored DVA systems via RJ45 inputs and outputs, which connect the unit to the RDNet hub.

DVA Composer software for Windows™ supply each and every necessary information on the installation of DVA systems depending on the necessities of the event. It supplies incidence angles between speakers, pre-set equalizations, delay time for subwoofers and generates a preview of the sound diffusion based on the system setup.

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 for casters on the rear panel. Two pick-points on the top panel allow the user to fix DRK-10 or DRK-20 fly-bar and enable easy, safe stacking.

DVA S1521 N

Technical Specifications

System Specifications

Speaker Type		Active Bass-reflex Subwoofer
Max SPL		139 dB
Frequency Response	(-3 dB)	30 Hz - 110 Hz
Directivity		Omnidirectional, Cardioid Option with DSP setup
Drivers		1 x 21" woofer - 4.5" voice coil
Inputs		1 x XLR (Audio Input) 1 x RJ45 (RDNet input) 1 x USB type "B" port (service data)
Input Sensitivity	Nominal	0 dBu
Controls		1 x Input Sensitivity rotary 1 x Xover Frequency rotary switch (10 presets) 1 x Delay time rotary switch (0 - 4.5 ms with steps of 0.5 ms) 1 x Phase switch (0° - 180°)
Outputs		1x XLR (Audio Link Out) 1x XLR (Xover Out) 1x RJ45 (RDNet link Out)

Amplifier

Amplifier technology		Digipro G2®
Amp Class		Class-D
RMS Power		1500 W
Power supply		1.5 kW SMPS, full-range (115Vac-230Vac) with PFC
Cooling		Convection, fan-free
Power Connections		Powercon® input (blue) Powercon® Link (grey)

Processor

Audio Processing	DSP A/D conv.	56bit 24 bit/96 kHz
System Presets		X-Over, Delay
Phase		0°, 180°
Limiter		RMS, Peak, Thermal
Delay option		0 - 4.5 ms, internal
X-over frequencies	LF-HF	60-105 Hz (steps of 5 Hz)
LF-Xover out slope		24 dB/Octave
Remote control		RDNet control (read/write data in real time)

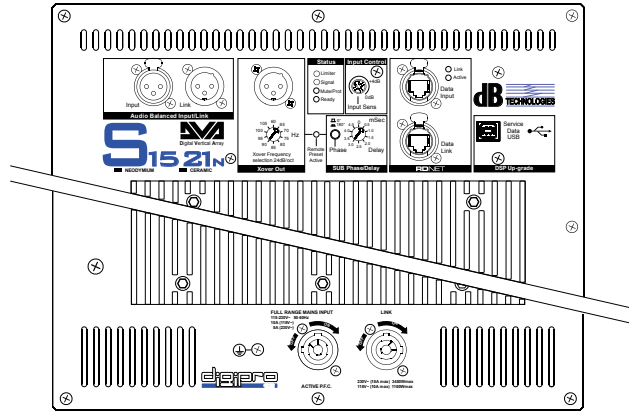
Mechanics

Enclosure	Box Housing Design	Multiplex birch plywood Rectangular
Handles		3 x per side
Rigging Points		2xPick Points on top to fix DRK10/20 rigging frames
Pole Mount		M20
Dimensions (W x H x D)		580 x 800 x 720 mm (23.2 x 32 x 28.8 in)
Weight		52.5 kg 115.74 lbs.

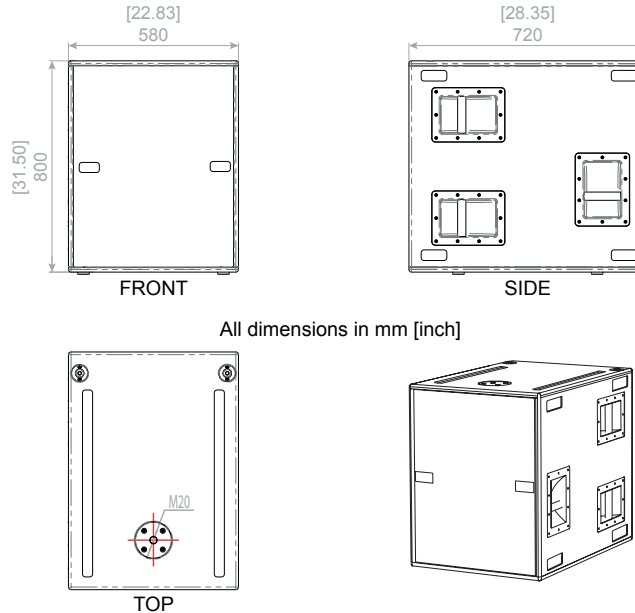
DVA S1521 N

Technical Specifications

Back Panel



Overall Dimensions



Accessories

AFL 05	Powercon-Powercon link cable. 1,5m length
DO 18	Dolly for S1518, S2585 (including wheels)
DRK-10	Fly bar for DVA systems. Designed to hang up to a maximum weight of 250 Kg
DRK-20	Fly bar for DVA systems. Designed to hang up to a maximum weight of 1800 kg
DRK-20M	Motorized fly bar for DVA systems with RDNet control. Maximum weight of 1000 kg
DRP S15	Gore-Tex rain cover
DS 2	Pole Mount 35mm, adjustable, M20 thread
DWK 20	Kit of 4-wheel
SRK-10	Optional hardware kit to hang up DVA S10 DP to DRK-10 or DRK-20 flybars
RJ45-RJ45-150	RJ45-RJ45 link cable (150cm) for RDNet-equipped speakers
SRK-10	Optional hardware kit to hang up DVA S10 DP to DRK-10 or DRK-20 flybars
TC 10S	Padded cover to transport DVA S10 DP and S1518N

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dBTechnologies products are continually improved. All specifications are therefore subject to change without notice.