



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 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) |

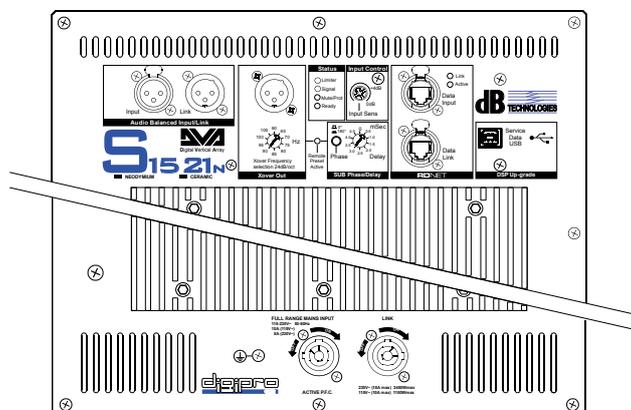
Mechanics

| | | |
|------------------------|-----------------------|---|
| Enclosure | Box Housing Design | Multiplex 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. |

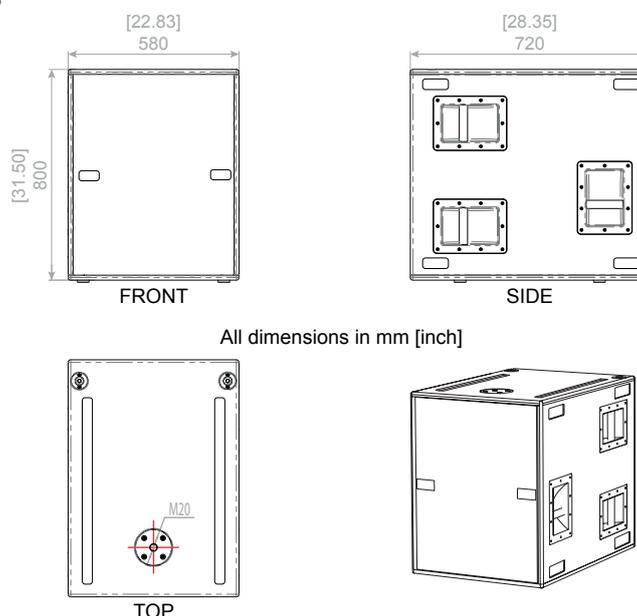
DVA S1521 N

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.