



Spec Sheet

DVA S1518 N

Active Bandpass Subwoofer
18", 1500W **digipro G2**



Applications

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

Features

- Active Bandpass Subwoofer
- 1500W Class-D Digipro G2 amplifier
- Network-ready with an Integrated RDNet port
- 56bit DSP - 24 bit \ 96 KHz A/D conversion
- Crossover freq. 75 Hz - 120 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

The DVA S1518 N is a bandpass subwoofer based on the DVA S10 N, but with 50% 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 with a 4" voice coil. These new transducers feature a fiberglass-reinforced diaphragm, an exceedingly robust triple-roll surround, and a geometrically optimized cone. All this culminates in very high peak-to-peak excursion capabilities.

The woofer is driven by a digipro®G2 digital power amp with up to 1500W RMS 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. It is also equipped with PFC switched-mode power supplies, immune from line voltage fluctuations.

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. The DSP also provides an X-Over output for connecting satellites.

Factory-equipped with an RDnet port, DVA S1518 N is ready for integration into elaborate, remotely controlled and monitored DVA systems via RJ45 inputs and outputs that connect the units to the RDNet hub.

The high-quality birch multiplex housing is covered in robust black textured lacquer and equipped with eight grips. On the back is a transport dolly that removes easily via quick-release pins to keep the wheels from rattling.

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 loudspeakers.

Optional dust covers protect it on the go. 16 threaded bushings on its rear panel allow the installation of four Blue Wheels (optional).

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

DVA S1518 N

Technical Specifications

System Specifications

Speaker Type		Active Bandpass Subwoofer
Max SPL		138 dB
Frequency Response	(-3 dB)	39 Hz - 120 Hz
Directivity		Omnidirectional, Cardioid Option with DSP setup
Drivers		1 x 18" woofer - 4" 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		1500 W SMPS full-range with active 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	75-120 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		2 x Pick Points on top to fix DRK10/20 rigging frames
Pole Mount		M20
Accessories		Dolly, Wheels 100 mm, Dust Cover, Rain Cover
Dimensions (W x H x D)		515 x 640 x 720 mm (20.6 x 25.6 x 28.8 in)
Weight		46 kg (101.41 lbs.)

