V.O S 318



ACTIVE TRI-AMPED 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

POLYUREA PAINTING ON A ROAD-RESISTANT WOODEN ENCLOSURE

TRI-AMPED ACTIVE SUBWOOFER

VIO S318 subwoofer, a one of a kind system both for its acoustic configuration and majestic output. Indeed, dBTechnologies succeded in designing an extraordinary powerful triple 18" woofer system while maximizing in-phase frontal emission and extending lower frequencies down to 35 Hz.

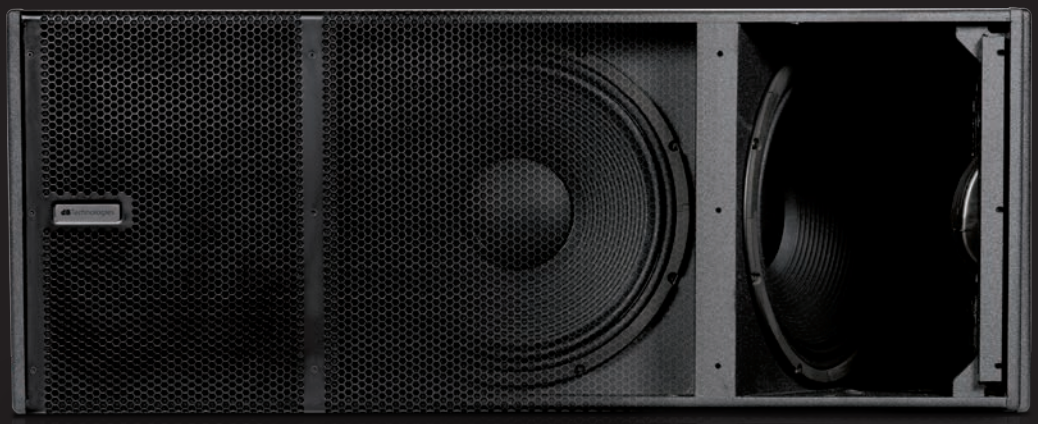
Speaker Type	Active Bassreflex, semi-horn loaded subwoofer
Usable Bandwidth [-10dB]	35 Hz (HPF)
Frequency Response [-6dB]	39 Hz to cut frequency (Xover dependent)
Max SPL	143 dB
LF	3x18"
Voice Coil LF	4"
Directivity	Omnidirectional
Amplifier	2700 W RMS Class-D Digipro® G3
Cooling	Convection
Power Supply	Auto-range SMPS
Controller	DSP 32 bit
AD/DA Converter	24 bit/96 kHz
Limiter	Peak, RMS, Thermal
Delay Option	0-9.9 ms internal | steps of 0.1 ms
Xover Frequency LF-Xover out	Selectable 70-105 Hz + Full Range (8 steps)
LF-Xover out slope	24 dB/Octave
Signal Input	1 x XLR balanced, 1 x RJ45 Link (RDNet)
Signal Output	1x XLR balanced, 1 x RJ45 Link (RDNet)
Power Socket	1x PowerCON TRUE1 In 1x PowerCON TRUE1 Out
Controls	1x Input Attenuation Rotary Encoder 2x Rotary Encoder (Delay 9.9 ms) 1x Polarity Inversion Switch (0° or 180°) 1x Cardioid mode Switch 1x X-Over Frequency Switch (70-105 Hz + Full-Range | steps of 5 Hz)
Special Features	Opto-isolated floating pre-amp
Housing	Multiplex plywood - Polyurea painting
Additional Features	4x Eyelets for ratchet straps
Handles	4x Side. Aluminium
Rain cover	Included
Rigging Points	2x Pick Points on top for DRK-210 rigging frame
Width x Height x Depth	1300 x 520 x 800 mm (51.18 x 20.47 x 31.5 in)
Weight	103.9 kg (229.06 lbs)

OUTSTANDING PERFORMANCE

VIO S318 is equipped with 3x18" woofers, 2 of which are half horn loaded, while the third one is a direct radiation woofer. This way, the sub combines the contribution of two different configurations.

The 3 woofers are aligned in order to achieve a perfect phase response. Its innovative acoustic design contributes in creating an unprecedented performance/dimension ratio for a triple woofer powered system.

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 4 additional eyelets allow to fasten the load during transport using ratchet straps.





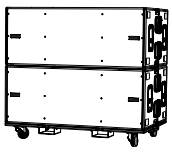
The internal configuration of the 3 woofers maximizes the acoustic radiant surface, delivering a solid sound performance.



Transport & Installation Accessories

DO-VIOS318

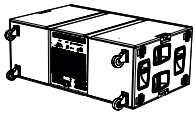




Dolly for up to 3x VIO S318 / VIO S218 Stacked horizontally (wheels included).

SWK-18 KIT





Kit consisting of 4 wheels for VIO S318 / VIO S218 back panel.

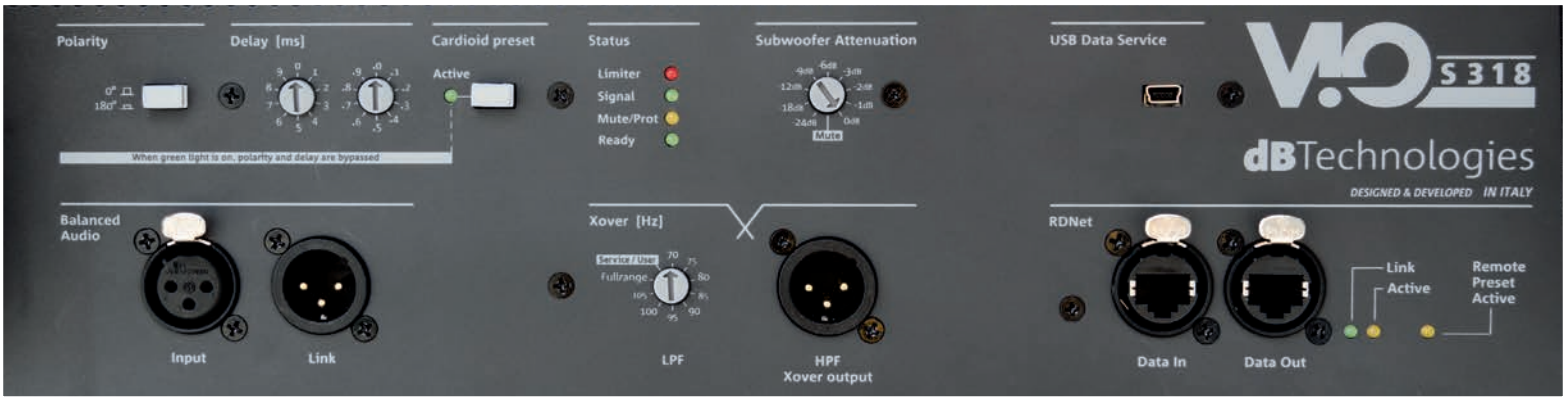
Bags & Covers

FC-VIOS2





Functional Cover for 2 subs VIO S318 / VIO S218.





The 3 DIGIPRO G3 amplifiers deliver a total 2700 W RMS power, allowing the system to reach up to 143dB SPL. A solution combining resolute power, compact design and ease of use.

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 an 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.

VIO series' simulation models for Ease Focus 3 are available at dbtechnologies.com, as well as the proprietary prediction software dBTechnologies Composer.

Cables

DAC-70	XLR-XLR audio cable (70 cm).
DCK-27T	Cable-Set containing 2x DAC-70 and 2x DPTC-70L.
DPTC-70L	PowerCON TRUE1-PowerCON TRUE1 power link cable (70cm).
DPTC-160L	PowerCON TRUE1-PowerCON TRUE1 power link cable (160cm).
DPTC-500L	PowerCON TRUE1-PowerCON TRUE1 power link cable (500cm).
DPTC-1000M	Mains PowerCON TRUE1 cable (10m). Different plugs available for several countries.
DPTC-2000M	Mains PowerCON TRUE1 cable (20m). 16A CekON
RDC-45F	RJ45 to XLR 3 poles female conversion cable, 6 cm length. The cable converts from RDNet RJ45 to XLRF.
RDC-45M	RJ45 to XLR 3 poles male conversion cable, 6 cm lenght. The cable converts from RDNet RJ45 to XLRM.
RJ45-RJ45-150	RJ45-RJ45 link cable (150cm) for RDNet speakers. EtherCON connectors.
RJ45-RJ45-75	RJ45-RJ45 link cable (75cm) for RDNet speakers. EtherCON connectors.