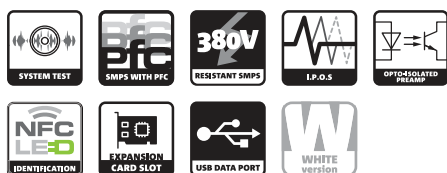




# Datasheet

## VIO S118

Active Horn-loaded Flyable Subwoofer  
1x 18", 1600W RMS



This flyable active subwoofer, equipped with a 18" neodymium transducer, has been crafted to complete the accurate and phase coherent wave front of VIO Line Arrays with impressive low-end frequencies and vigorous SPLs. VIO S118 also features a NFCTM system and a LED on the front grille. S118's cabinet is 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. Furthermore the subwoofer can be flown with DRK-210 flybar in inverted orientation to create flown cardioid arrays.

### Features

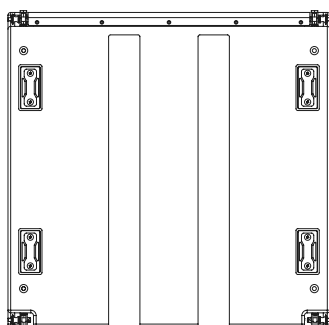
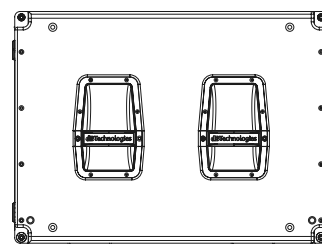
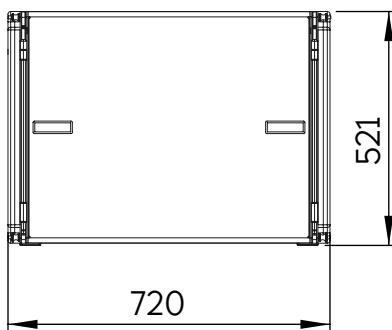
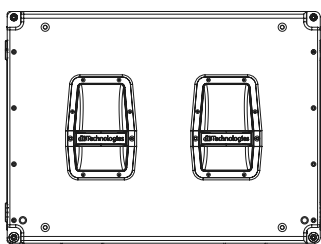
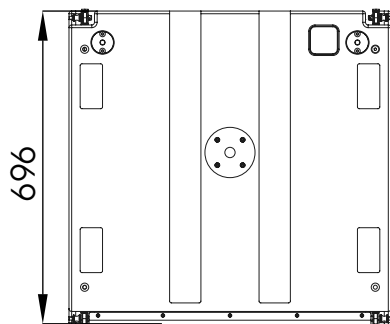
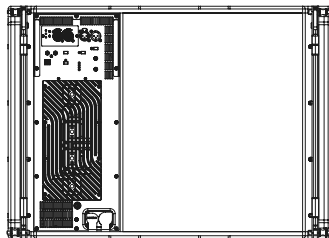
- flyable active 1x 18" horn loaded subwoofer
- 1600W RMS amplifier
- SMPS with PFC
- system-test for quick diagnostics
- designed for maximum efficiency in the lower end
- on board delay for perfect time alignment
- on board cardioid array configuration preset
- modular slot for network and digital audio expansion cards (RDNet card installed)

|                                     |                                                                                                                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Speaker Type</b>                 | Active Horn-Loaded Flyable Subwoofer                                                                                                                                                                             |
| <b>Usable Bandwidth [-10dB]</b>     | 33 Hz (HPF)                                                                                                                                                                                                      |
| <b>Frequency Response [-6dB]</b>    | 36 Hz to cut frequency (X-Over Dependent)                                                                                                                                                                        |
| <b>Max SPL</b>                      | 139 dB                                                                                                                                                                                                           |
| <b>LF</b>                           | 1x 18", Neodymium                                                                                                                                                                                                |
| <b>Voice Coil LF</b>                | 4"                                                                                                                                                                                                               |
| <b>Directivity</b>                  | Omnidirectional                                                                                                                                                                                                  |
| <b>Amplifier</b>                    | 1600 W RMS Class-D Digipro® G4                                                                                                                                                                                   |
| <b>Cooling</b>                      | Convection, internal fan                                                                                                                                                                                         |
| <b>Power Supply</b>                 | Full-range SMPS with PFC (100V~240V~, 50-60Hz)                                                                                                                                                                   |
| <b>Controller</b>                   | DSP 32 Bit                                                                                                                                                                                                       |
| <b>AD/DA Converter</b>              | 24 bit 96 kHz                                                                                                                                                                                                    |
| <b>Limiter</b>                      | Peak, RMS, Thermal                                                                                                                                                                                               |
| <b>Delay Option</b>                 | 0 - 9.9 ms internal   steps of 0.1 ms [on-board]                                                                                                                                                                 |
| <b>Xover Frequency LF-Xover out</b> | Selectable 60-110 Hz + Full Range (8 steps)                                                                                                                                                                      |
| <b>LF-Xover out slope</b>           | 24 dB/Octave                                                                                                                                                                                                     |
| <b>Signal Input</b>                 | 1 x XLR balanced, 1x USB Data Service                                                                                                                                                                            |
| <b>Signal Output</b>                | 1x XLR balanced (link or X-over)                                                                                                                                                                                 |
| <b>Power Socket</b>                 | 1x PowerCON TRUE1 In<br>1x PowerCON TRUE1 Out                                                                                                                                                                    |
| <b>Expansion Card</b>               | RDNet Card (1x RJ45 IN 1x RJ45 Link)<br>Dante Card [Optional]                                                                                                                                                    |
| <b>Controls</b>                     | 1x Input Attenuation Rotary Switch<br>1x Rotary Encoder (Delay 9.9 ms)<br>1x Polarity Inversion Switch (0° or 180°)<br>1x Cardioid Mode Switch<br>1x X-Over Freq Rotary Encoder (8 steps)<br>1x System Auto-test |
| <b>Special Features</b>             | 380V Resistant SMPS<br>IPOS Intelligent Power-On Sequence<br>Opto-isolated floating pre-amp<br>System Test (transducers diagnostics)<br>NFC™ and Frontal LED Identification System                               |
| <b>Housing</b>                      | Multiplex plywood - Polyurea painting                                                                                                                                                                            |
| <b>Handles</b>                      | 2x per Side, Aluminium                                                                                                                                                                                           |
| <b>Pole Mount</b>                   | M20 Thread                                                                                                                                                                                                       |
| <b>Rain cover</b>                   | Included                                                                                                                                                                                                         |
| <b>Rigging Points</b>               | 2x Pick Points on top to stack DRK-210<br>8x Flying Hardware (4x on top, 4x on bottom)                                                                                                                           |
| <b>Width x Height x Depth</b>       | 720 x 520 x 700 mm (28.34 x 20.47 x 27.56 in)                                                                                                                                                                    |
| <b>Weight</b>                       | 45.1 kg (99.42 lbs)                                                                                                                                                                                              |

# VIO S118

## Datasheet

### OVERALL DIMENSIONS



# VIO S118

## Datasheet

### TRANSPORT & INSTALLATION ACCESSORIES

#### AF-VIO1



Adapter frame for flying VIO L208 under VIO S118 / VIO L210 and groundstacking VIO L208/L210 above any VIO sub.

#### DO-VIOS118



Dolly for up to 3x VIO S118 / S118R

#### DSA-VIOL208



Groundstack adapter for VIO L208 on VIO S118 and S118R.

#### FSA-VIOL210



Adapter to fly VIO L210 under flown VIO S118.

#### FC-VIOS1



Functional cover for 2 VIO S118R / VIO S118.

#### GSA-VIOL210



Adapter to stack VIO L210 on VIO S118.

#### SWK-18 KIT



Kit consisting of 4 wheels for VIO S118R back panel.

### CABLES

**CAT6-CAT6-100** CAT6-CAT6 link cable (100cm) for DANTE™ AoIP and RDNet. EtherCON connectors.

**CAT6-CAT6-170** CAT6-CAT6 link cable (170cm) for DANTE™ AoIP and RDNet. EtherCON connectors.

**CAT6-CAT6-500** CAT6-CAT6 link cable (500cm) for DANTE™ AoIP and RDNet. EtherCON connectors.

**DAC-70** XLR-XLR audio cable (70 cm).

**DAC-500** XLR-XLR audio cable (500 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 XLR.

**RDC-45M** RJ45 to XLR 3 poles male conversion cable, 6 cm length. The cable converts from RDNet RJ45 to XLR.

**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.