dBTechnologies

DATASHEET
VIO L1608

3-WAY TRI-AMPLIFIED ACTIVE LINE ARRAY MODULE
1600 W RMS CLASS-D
MAX SPL 138.5 dB*
A2NET ON-BOARD
MF-HF: 1x 1.4” exit - 3” - 2” v.c. Coaxial NEODYMIUM
LF: 2x 8” - 2.5” v.c. NEODYMIUM
SAME SIZE AND MECHANICS OF VIO L208

COAXIAL · A2NET · FIR FILTERS · CARD SLOT · 380V RESISTANT SMPS · AURORA NET · OPTO-ISOLATED · PFC · USB DATA PORT · NEODYMIUM · I.P.O.S · SYSTEM TEST · INCLINOMETER

- **Precision-scaled acoustic architecture:** brings three-way performance to the size of a traditional 2-way format, expanding deployment possibilities without increasing footprint.
- **Premium components:** VIO L1608 features premium neodymium transducers and a high-performance B&C coaxial MF-HF driver, delivering outstanding clarity, dynamics and overall system performance.
- **Compact form factor:** A compact evolution of the VIO L1610: L1608 delivers power and performance in a significantly reduced weight and footprint.
- **Side-Firing Bassflex Ports:** enhance internal airflow and acoustic loading, enabling dramatic SPL performance relative to cabinet volume.
- **Award-winning A2Net Protocol included as a standard feature:** providing high-resolution digital audio distribution and full Aurora Net control.
- **Seamless integration across the VIO ecosystem:** with matched phase response, latency and sensitivity (firmware 2.0+), allowing mixed-system configurations with VIO L1610, L212 and more.
- **Ideal for touring, premium installations, mobile production and mixed-format VIO system:** functioning as main PA, compact array, downfill or sidefill as needed.
- **DRK-28:** VIO L1608 introduces the new DRK-28 flybar, an accessory that supports both stacked and flown configurations. It can also be mounted directly on the dolly, simplifying logistics and reducing the number of accessories needed. (also compatible with VIO L208).

Speaker Type	3-Way Tri-Amplified Active Line Array
Usable Bandwidth [-10dB]	67Hz – 20kHz
Frequency Response [-6dB]	75Hz – 18kHz
Max SPL	138.5 dB*
MF-HF	1x 1.4” exit, 3”-2” v.c. Coaxial, Neodymium
LF	2x 8” - 2.5” v.c. Neodymium
Horizontal Dispersion	110°
Amplifier	1600 W RMS Class-D Amplifier
Cooling	Convection, Internal fan
Power Supply	Full-range SMPS with PFC (100V~-240V~, 50-60Hz)
Controller	DSP 32 bit
AD/DA Converter	24 bit/96 kHz
Limiter	Dual Active Peak, RMS, Thermal
Processing (filters)	FIR Linear phase
Signal Input	1x XLR female, 1 x USB (Data Service)
Signal Output	1x XLR male
Power Socket	1x PowerCON TRUE1 In 1x PowerCON TRUE1 Out
Expansion card	A2NET Card [Onboard] RDNet Card [Optional] Dante™ Card [Optional]
Controls	1x switch Flat - service/user 1x switch System test 1x led ON 1x led STATUS 1x led SIGNAL 1x led LIMITER 1x LED TEST 1x frontal ID LED
Special Features	380V Resistant SMPS Opto-isolated floating pre-amp System Test (transducers diagnostics)
Housing	Wooden Cabinet, Polyurea finish
Handles	2 side handles + 2 wooden handles
Rigging Points	Single operator 3-point rigging system
Width x Height x Depth	600 x 260 x 390 mm (23.62 x 10.24 x 15.35 in)
Weight	22 kg (48.5 lbs)

* @1 meter, free field, AES75 with Music-Noise

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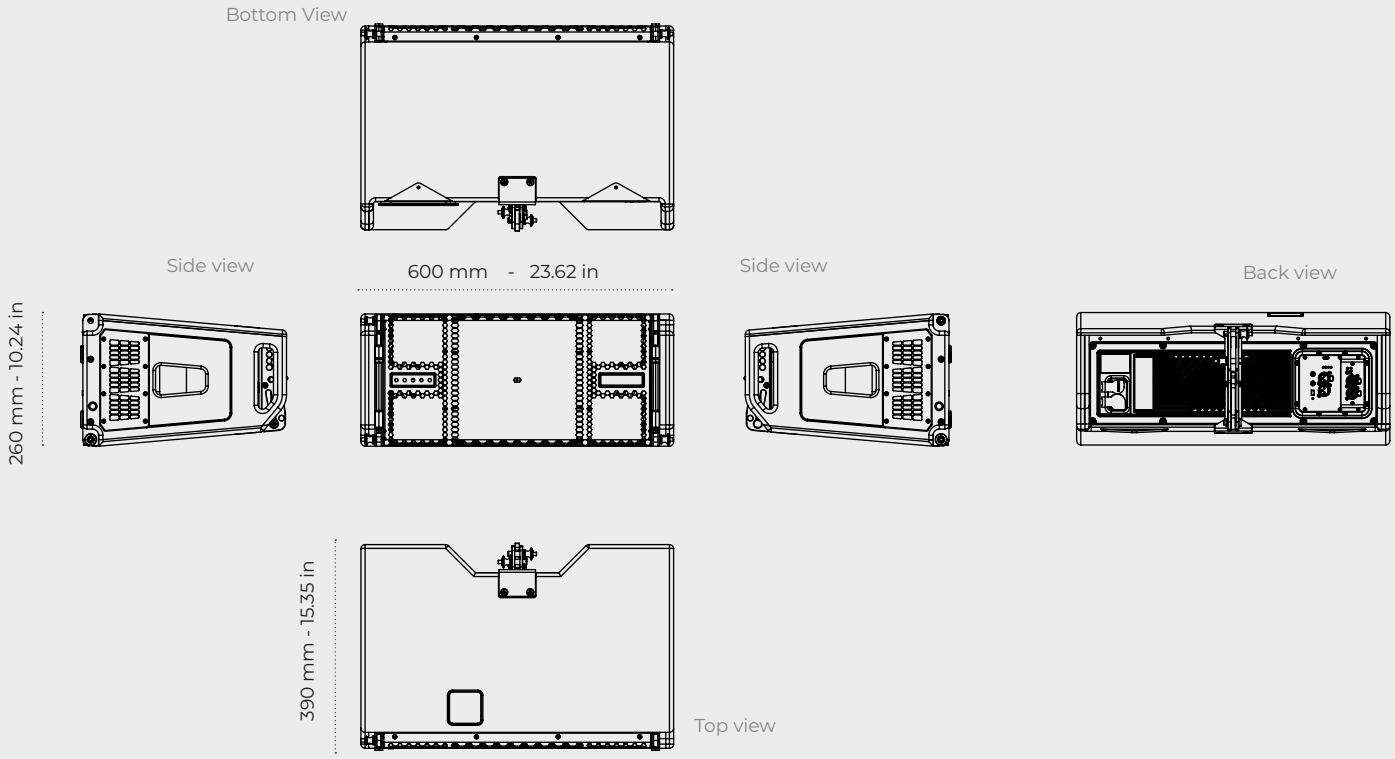
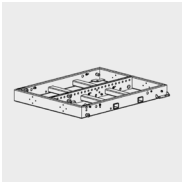
DIMENSIONS



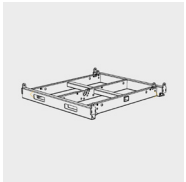
ACCESSORIES



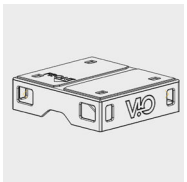
DRK-28
FLYBAR VIOL208 & VIOL1608
For stacked and flying configurations

TF-VIO1
Transition frame for flying VIO L1608/L208 below VIO L210/L1610.

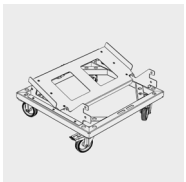
EFK-2
Groundstack extension feet kit for AF-VIO1



AF-VIO1
Adapter frame for flying VIO L1608/L208 below VIO S118 / VIO L210 / L1610 and groundstacking VIO L208/L210/ L1608/L1610 above any VIO sub.

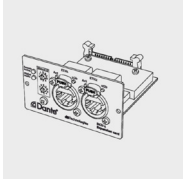


DTT-VIOL208
Cover top for DT-VIOL208.



DT-28
Touring cart for 4 VIO L1608/L208 modules and a DRK-208/DRK-28 flybar.

TC-VIOL208
Transport cover for DT-VIOL208.
Waterproof.



DCU-1
Modular card for Dante™.

DATASHEET
VIO L1608

dBTechnologies

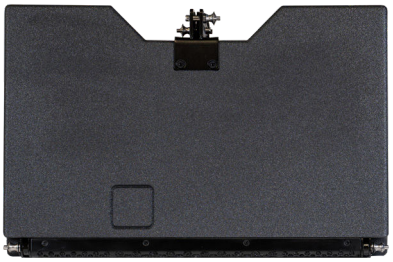
Left view

Front view

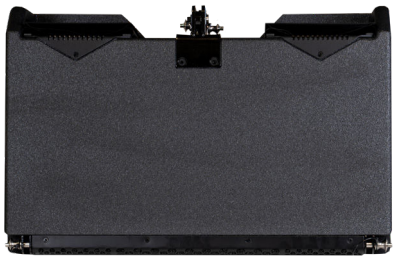
Right view

Back view

Right front view



Top View



Bottom View

Amplifier close-up

Back view. No Raincover

Amplifier close-up