The CSX-LIVE 118 is a compact, high-performance subwoofer that extends the low frequency operating range of a CDD-LIVE full-range system to 40Hz — providing exceptional low frequency impact and increasing headroom. It features a long-exursion 18” (460mm)/4” (100mm) voice coil driver with a water-resistant cone and triple roll surround in a compact reflex enclosure. The design of the 18” driver maximises output while minimising power compression and distortion, and the four reflex ports have a large frontal area to reduce turbulent air noise at very high levels. With a maximum SPL capability of 135dB peak at 1 metre, the CSX-LIVE 118 is the ideal subwoofer for theatre and portable live sound applications, as well as premium installations that require the maximum output from a compact enclosure.

A self-powered system, the CSX-LIVE 118 incorporates a Class D amplifier, DSP and Dante™ digital audio networking — simplifying set-up, enhancing control and eliminating amplifier racks. The onboard amplifier delivers 2000W peak output to the driver, and its switched-mode power supply auto-ranges to global mains voltages from 100 to 240V 50/60Hz. DSP functions — including parametric EQ, delay, muting, gain and preset selection — can be controlled over Ethernet from a PC or Windows® tablet via intuitive VU-NET™ proprietary software.

For simple set-ups, ‘plug-and-play’ presets for operation with the CDD-LIVE 8, 12 or 15 — as well as a user-defined preset — can be selected on the rear panel, instead of using computer control. Additional presets provide the appropriate settings for the rear-facing subwoofer in a cardioid pair.

As an alternative to its analogue inputs, the CSX-LIVE 118 is Dante enabled for digital audio distribution and control over a single CAT5 cable to maintain audio quality however long the cable run.

The enclosure is constructed from multi-laminate plywood with a durable polyurea coating and equipped with a perforated steel grille, twin grab handles, skids, M10 flying inserts and a threaded pole socket.
## CSX-LIVE 118

### Technical Specifications

**Acoustics**
- **Type**: Compact, direct radiating powered subwoofer
- **Frequency Response**: 47Hz – 150Hz ±3dB / 41Hz peak
- **Driver**: 18” (460mm)/4" (100mm) voice coil, long excursion, ferrite magnet, waterproof cone
- **Input Sensitivity**:
  - -20dBu for 100dB SPL (CDD12/15 pre-set)
  - -13dBu for 100dB SPL (CDD8 pre-set)
- **Maximum SPL**: 132dB continuous / 135dB peak
- **Dispersion**: Omnidirectional / Cardioid (painted)
- **Crossover**: Active
- **Notes**:
  1. Measured on-axis in free space (4π space) at 2 metres, then referred to 1 metre
  2. Measured in free space at 1 metre with a tone burst signal
  3. Measured on-axis on ground plane (2π space) at 2 metres, then referred to 1 metre
  4. Measured in half-space at 1 metre with a tone burst signal

**Module**
- **Audio Input**
  - Connectors: Female XLR input, male XLR link output, Dante Audio Neutrik® Ethercon
- **Analogue Input Impedance**: 20 kΩ balanced to ground
- **Maximum Analogue Input Level**: 24.6 Vpp (+21dBu), over voltage protected

**Internal Processing**
- Multi-channel DSP, programmable via TCP/IP using VU-Net software
- PEQ/shelving filters
- Up to 48dB/Oct LPF
- Up to 200ms input delay
- Pre-set selection via rear panel switch

**Network**
- **Connectors**: 2xNeutrik® Ethercon
- **Protocol**: TCP/IP and UDP/IP

**Amplifier Module**
- **Type**: 2 channel switch-mode, class D, Bridged Tied
- **Peak Output Power**: 2000W
- **Continuous Output Power**: 1000W
- **Average Efficiency**: 89%
- **Cooling**: External fan
- **Maximum Ambient Temperature**: 40°C (104°F) for full output

**Power Supply**
- **Type**: Switch mode, fixed frequency with PFC
- **AC Input Operating Range**: 85 – 265V ~ AC, 50 - 60Hz
- **Power Factor**: > 0.98
- **Nominal Power Consumption**: 550W
- **Mains Connector**: Neutrik® Powercon True1

**Mechanical**
- **Enclosure**: Extensively braced multi-laminate birch plywood.
- **Finish**: Textured black PU coating.
- **Protective Grille**: HEX perforated mild steel with protective zinc plating and black powder coat finish.
- **Fittings**:
  - Two skids on base, with mating channels on top
  - Four rear-mounted 100mm (4in) castors
  - M20 top-mounted thread plate for pole mounting
  - 16 x M10 mounting points
  - 2x Bar handles, 1 on each side
  - 4x fittings for optional transit cover
- **IP Rating**: IP24 factory option available
- **Dimensions**:
  - (W) 600mm x (H) 509mm x (D) 632mm (760mm including castors)
  - (W) 23.62in x (H) 20.04in x (D) 24.86in (29.90in including castors)
- **Weight**: 50kg (110lbs) excluding Transit cover

**Architectural Specifications**

The loudspeaker shall be a self-powered subwoofer consisting of a 18” reflex-loaded, long-exursion, low frequency transducer. The on-axis frequency response shall be 47Hz-150Hz ±3dB and the loudspeaker shall produce a maximum SPL of 135dB peak at 1 metre.

The loudspeaker shall incorporate a Class D amplifier module which shall deliver a total of 2000W peak output to the transducer and include onboard DSP and networking capabilities for remote control and monitoring. The loudspeaker shall be Dante™ enabled for Audio over IP. Its power supply shall employ Power Factor Correction and operate from 100-240V, 50-60Hz AC.

Audio connectors shall be male and female XLR type and the AC power connector shall be a Neutrik® Powercon True1. Network connectors shall be Neutrik® Ethercon RJ45 type.

The loudspeaker enclosure shall be constructed from multi-laminate plywood with a textured polyurea coating. The drivers shall be protected by a perforated steel grille and the enclosure shall be fitted with a threaded pole-mount plate, grab handles, skids and flying inserts.

An IP24 rating version with a rain cowl shall be available as a factory option.

Dimensions excluding castors (W x H x D) shall be 600mm x 509mm x 632mm (23.6in x 20in x 24.9in). Dimensions including castors (W x H x D) shall be 600mm x 509mm x 760mm (23.6in x 20in x 29.9in).

Weight shall be 50kg (110lbs).

The loudspeaker shall be the Martin Audio CSX-LIVE 118.