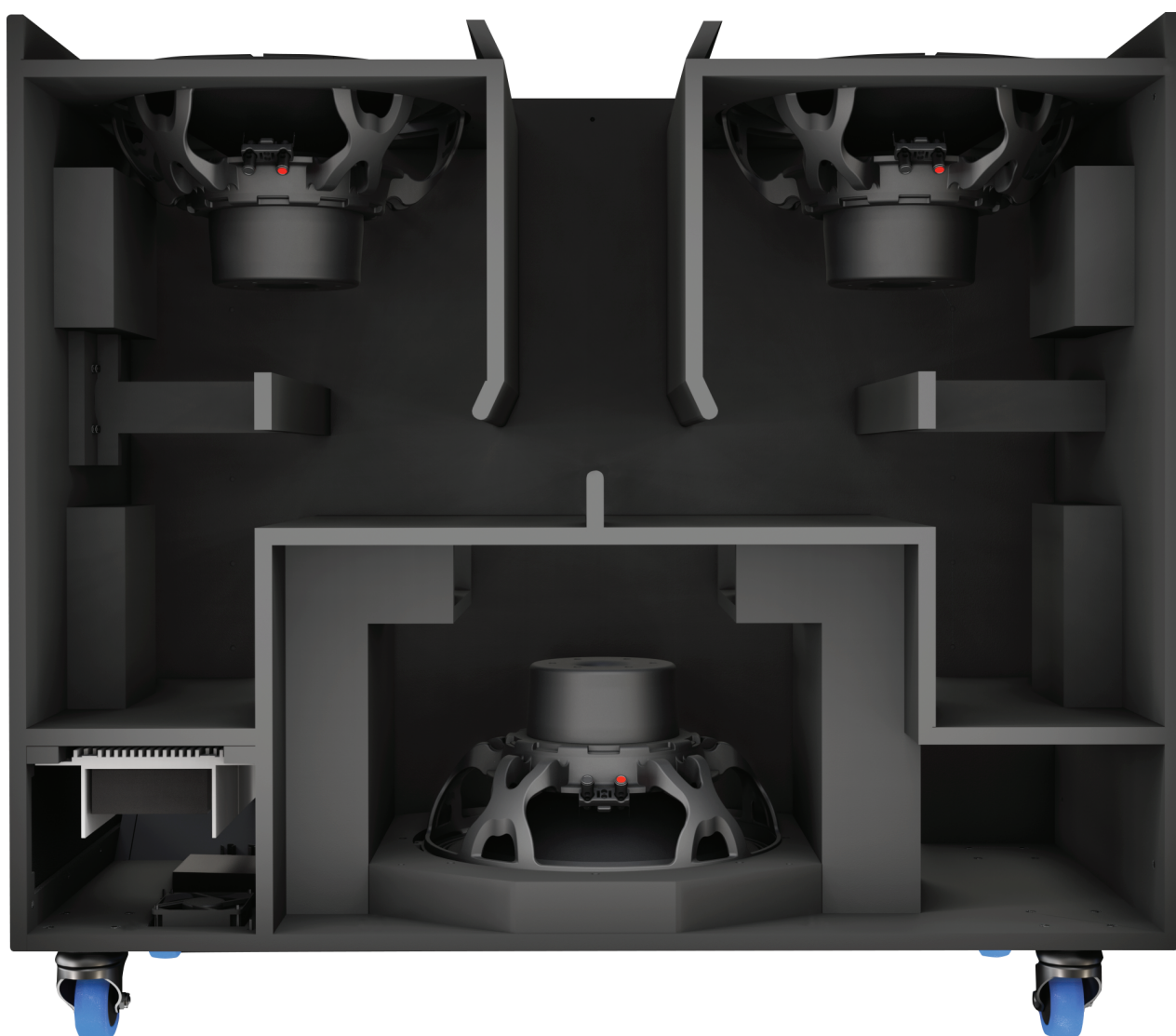
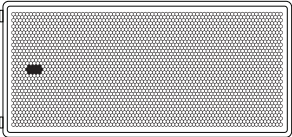


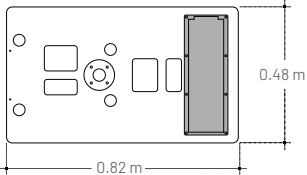
Audiomorph Venue Sub



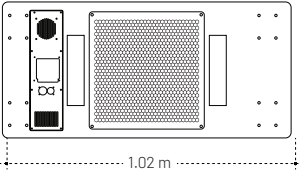
front view:



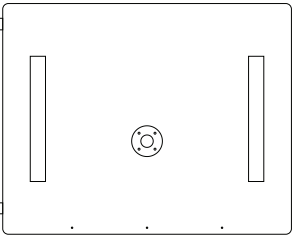
left view:



back view:



top view:



Dimensions	1024x477x818 mm
Enclosure	Birtch plywood
Weight	85kg
Finish	Black textured warnex
Protective Grille	Powder coated Stamped steel

The Venue Sub is a direct-radiating, self-powered, cardioid topology, directional subwoofer. Inside the enclosure, there are two separate chambers. The front chamber houses two 15" cone drivers, and the back chamber houses another 15" cone driver. Each 15" neodymium cone driver in the subwoofer features a 4" double-layer in/out voice coil, double silicon spider, aluminum demodulating ring, waterproof cone treatment on both sides, and extended high excursion for a clean and powerful output.

The Venue Sub is self-powered by an internal 2-channel Class D amplifier, delivering 3000 W RMS for the front drivers and 1500 W RMS for the rear driver. Each amplifier channel has its own DSP channel for signal processing, including limiters and phase tampering, to achieve the cardioid pattern, resulting in a dramatic reduction of low frequencies behind the subwoofer.

Benefits

- Cardioid topology provides improved low frequency gain before feedback behind the system
- Cardioid pattern control, helps to reduce reverberation
- Due to the subwoofer's height, it can be placed in front of small stages
- Self powered, plug&play
- Controlled directivity

Applications

- Private events
- Theatre and Opera
- Concert halls
- Club sound reinforcement
- Houses of worship
- DJ's
- Live performance venues
- Reverberant venues

Acoustical info

Frequency	36Hz – 1 00Hz (-6db points)
Presets	Cardio (preset 1)
Peak SPL	TBA (measured with music at 1 m)

Loudspeaker info

Drivers	3x15" high sensitivity, high power, extended high excursion, neodymium cone drivers, 4" DUO double layer in/out voice coil, waterproof cone treatment for both sides, aluminium demodulating ring, double silicone spider
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Amplifier and DSP info

Overall	High performance 96KHz, 120dB, 32 bits AD/DA converters 64 bit double - precision 96KHz DSP
Amplifier Type	Class D
Output Power	4500w RMS (3000w RMS for the front drivers, 1500w RMS for the rear driver)
THD	<0.05 %
Damping factor	>400
Voltage gain	36dB
Protections	Turn - on ransients Over - heating DC, RF, Short - circuit
Connections	Balanced XLR Input/Output Powercon Truecon Input/Output

Power

Mains Voltage	85 -265V AC/50-60Hz
Current draw	4A (1/8 r.p. 230V)

Package

Weight	85 kg
Dimensions	1024 x 477 x 818* (mm) 40.31 x 18.77 x 32.20* (inch) *without wheels

Designed and manufactured in Romania

