

Hyperfold

Key features:

- High power density in a compact footprint
- Exceptional upper bass speed and articulation
- Four high power 15" low frequency drivers
- Distinctive aluminium cabinet bracing
- 18 mm birch plywood construction
- Textured polyurea finish

Applications:

- High impact nightclub
- Indoor and outdoor dance events
- Bar, club, lounge
- Live music venues



A high percentage of the urge to dance comes from the upper bass frequencies. It's where the kick and finer details of the bass are found. The need for speed and articulation in this critical region calls for a dedicated enclosure. The Hyperfold's design has evolved over many years, thanks to the implementation of new technologies and advancement in materials. Size for size, it contains the highest number of drivers, with four high excursion 15" dedicated low frequency drive units, hence its displacement per cabinet volume to keep up with the extraordinary efficiency of all the other elements that go into making the Incubus system. When arrayed, Hyperfold cabinets mutually couple in the upper bass region to deliver output far beyond the measured 148 dB maximum output from a single unit.

With the Hyperfold providing the 'pulse', the Incubus Sub serves as the 'lifeblood' running through the entire system; without the Hyperfold pumping there is no system, no urge to connect with the greater whole, or to become part of the dance.

Specifications

Frequency Response	60 Hz - 190 Hz \pm 3 dB
Efficiency ¹	109.5 dB 1W/1m
Crossover Points	Preset via dedicated processor
Nominal Impedance	2 x 4 Ω
Power Handling ²	4000 W AES
Maximum Output ³	142 dB cont, 145 dB peak
Driver Configuration	4 x 15" low frequency drivers
Connectors	2 x 4-pole speakON™ NL4
Weight	150 kg (330.7 lbs)
Enclosure	18 mm birch plywood
Finish	Textured TourCoat polyurea, smooth cellulose

¹ Measured in half space ² AES2 - 1984 compliant ³ Calculated

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Architectural specifications

The loudspeaker shall be an active manifold horn loaded sub system consisting of four high power 15" (381 mm), long excursion, low frequency (LF) transducers mounted in a birch plywood enclosure.

Each low frequency transducer shall be constructed on a cast aluminium frame, with a treated paper cone, 101.6 mm (4") voice coil, wound with copper wires on a high quality voice coil former for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable bandwidth shall be 60 Hz to 190 Hz (± 3 dB); maximum SPL of 145 dB peak (142 dB continuous) measured at 1 m using IEC268-5 pink noise. Power handling shall be 4000 W AES at a rated impedance of 2Ω ($2 \times 4 \Omega$) with pressure

sensitivity at 109.5 dB measured at 1W/1m. The system shall be powered by its own dedicated power amplification module with DSP management. The wiring connection shall be via two Neutrik speakON™ NL4 (one for input and one for loop-out to another speaker), allow for pre-wiring of the connector before installation.

The enclosure shall be constructed from 18 mm multi-laminate birch plywood coated with textured polyurea with a smooth cellulose finish. It shall have a lightweight aluminium bracing and external dimensions of (H) 748 mm x (W) 738 mm x (D) 1218 mm (29.4" x 29.1" x 47.9"). Weight shall be 150 kg (330.7 lbs).

The loudspeaker shall be the Void Acoustics Hyperfold.

