

Hawk 6

Compact 2-way 6" + Soft Dome Source



The Hawk 6 is a two-way passive loudspeaker. Low frequency is from a 6.5" (165mm) transducer with a 1.5" (38mm) voice coil. High frequency is from Traction Sound's proprietary Soft Dome Source featuring a single soft dome tweeter with a 1" (25mm) voice coil. This is mounted on a horn that gives horizontal dispersion of 100 degrees and a vertical dispersion of 60 degrees. The horn can be rotated by the user. The Hawk 6 features a proprietary horn milled from solid wood. The wood naturally damps the resonances otherwise created by plastic or aluminium. The production process enables the control of the exact dispersion without expensive tooling.

The Soft Dome Source and the LF transducer are connected via an internal passive crossover. Neutrik® NL4 SpeakON™ sockets are provided allowing for input and linking other loudspeakers.

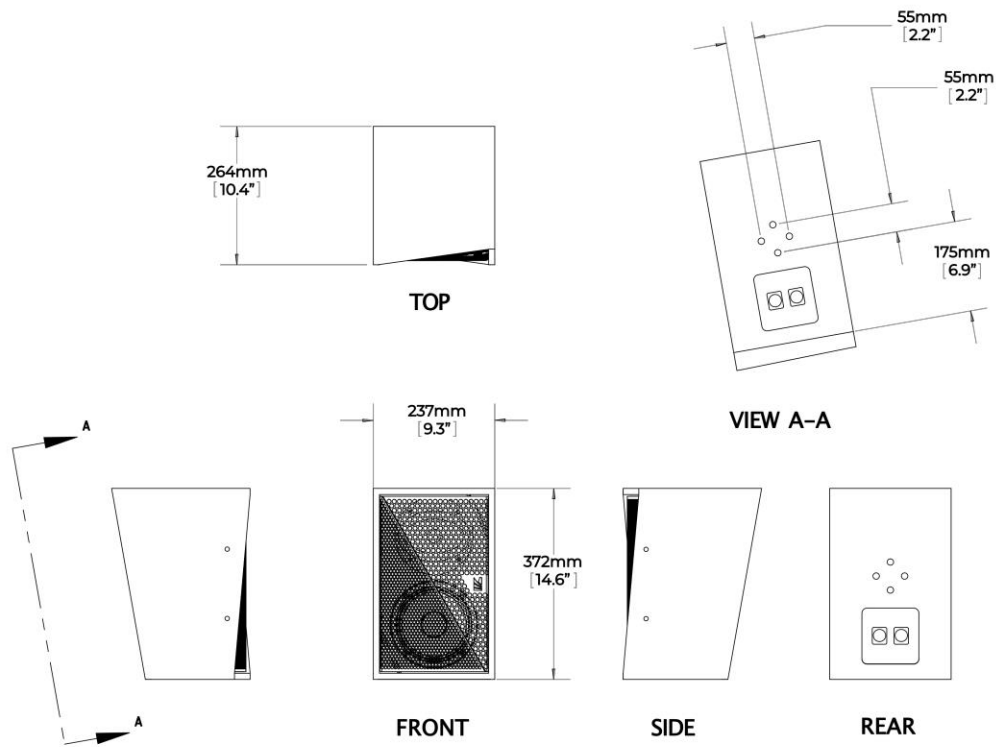
This enables up to four speakers to be connected to a single amplifier channel. This helps reduce installation cost and complexity.

Construction is from 12mm Birch Ply that is sourced from sustainable and managed woodland. The cabinet is finished in textured polyurea. The drivers are protected by a heavy duty 14 Gauge (2mm) steel grill. The cabinet aesthetics takes its cue from contemporary architecture and computational design. The form factor has been optimized to minimize reflection from the rear of the cabinet. The damping material used in the cabinet is from made from recycled single use plastics.

A complete range of mounting hardware is available to compliment the Hawk 6. This includes wall and ceiling brackets as well as options for more demanding situations. The Hawk 6 has been designed to use Traction Engine amplifiers and Traction Control DSP.

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Type	2-way passive loudspeaker
Frequency Response (1)	78Hz - 20kHz
HF Driver	1" (25mm) voice coil, fabric dome with neodymium magnet
LF Driver	6.5" (165mm) / 1.5" (38mm) voice coil with a ferrite magnet
Power Handling (2)	100W AES 200W Program
Power Handling LF (2)	N/A
Recommended Amplifier	Traction Engine 4 1000DSP
Sensitivity (2)	92dB
Maximum SPL (4)	112dB Cont. 118dB Peak
Nominal Impedance	8 Ohms
Crossover	Internal passive crossover
Connectors	2x Neutrik® NL4 SpeakON™
Nominal Dispersion (-6dB)	100 ° horizontal, 60 ° vertical (user-rotatable)
Primary Construction Material	12mm Birch plywood
Available Finish	Black PU coating
Dimensions	237mm x 372mm x 264mm
Fittings	4x M6 inserts for wall/ceiling brackets
Weight	6.7kg
Available Accessories	Wall Bracket, Ceiling Bracket, Pole Mount Bracket

Notes

- (1) Measured on axis in half (2pi) space at two meters and referred to 1 meter. With DSP preset applied.
- (2) Tested to AES 2-1984 Rev. 2003.
- (3) Measured in half (2pi) space at 2 meters with 2.83V input, using band limited pink noise, then referred to 1 meter.
- (4) Calculated at 1 meter.