Penn IL6

Two-way point source · 2 × 8″ + 1″ compression driver · equal-path wave former

Two 8-inch neodymium mid-woofers frame a compression driver on an equal-path wave former: nine channels of identical length carry the driver's round exit to a flat 7 cm slot, so the wavefront arrives flat. The passive network is fitted, part by part, for phase alignment through its 2 kHz crossover, using the former's own path delay.

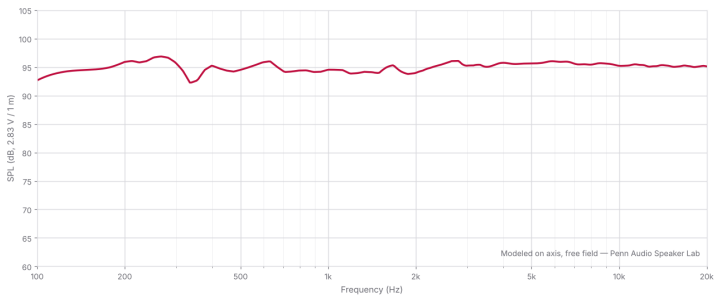
The IL6 plays from 80 Hz up on its DSP preset and hands off to the IL18 at 80 Hz: the two are a complete system.



SPECIFICATIONS

Frequency response (−5 dB, modeled, DSP preset)	**83 Hz – 20 kHz +**
Maximum SPL (1 m, modeled, with 430 W amplifier)	**115 dB peak (10 ms) / 109 dB continuous**
Nominal impedance	**4 ohms**
Coverage (modeled)	**90° H · V set by the 7 cm slot: 95° at 4 kHz, 43° at 8 kHz, 21° at 16 kHz**
Crossover	**Passive, fitted 4th-order networks, 2.0 kHz**
Transducers	**2 × 8″ neodymium mid-woofer · 1 × 1″-exit compression driver**
Cabinet tuning	**56.3 Hz**
Processing	**DSP preset: LR4 80 Hz high-pass · baffle-step shelf**
Enclosure	**Vented trapezoid, front slot, Baltic birch**
Dimensions (W × H × D)	**11.0 × 26.8 × 11.8 in (280 × 680 × 300 mm)**
Weight (modeled)	**18 kg (40 lb)**
Connections	**2 × NL4 (INPUT, LINK)**
Finishes	**Black or white as standard; any finish in the Penn Audio Custom library to order**

MODELED RESPONSE



All figures are modeled in the Penn Audio Speaker Lab from the drivers' published data; they are not measurements.