PENN audio

Product Catalog

For Life’s Highs and Lows.

Engineered loudspeakers for professional install and live sound.
Designed in the Penn Audio Speaker Lab.

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Unibody Series

Five X-pattern tops and three front-ported subwoofers, built around the carbon-fiber Unibody design.

MODEL	CONFIG	F3	MAX SPL	POWER	WEIGHT
Penn PA-65X	X-pattern	46.5 Hz	105.6 dB	60 W	8.5 kg
Penn PA-8X	X-pattern	56.6 Hz	116.0 dB	200 W	12.0 kg
Penn PA-10X	X-pattern	69.9 Hz	119.8 dB	250 W	17.0 kg
Penn PA-12X	X-pattern	45.9 Hz	124.5 dB	450 W	23.0 kg
Penn PA-15X	X-pattern	42.2 Hz	126.8 dB	800 W	32.0 kg
Penn PA-S15	Subwoofer	34.5 Hz	128.1 dB	1200 W	29.0 kg
Penn PA-S18	Subwoofer	24.3 Hz	127.3 dB	1200 W	46.0 kg
Penn PA-S21	Subwoofer	28.8 Hz	128.9 dB	1800 W	58.0 kg

X-pattern array — One woofer, four corner compression drivers.

Carbon-fiber Unibody design — One-piece composite shell; panel modes out of band.

Slide-in service — Drivers and crossover on a slide-in baffle.

Multi-orientation rigging — Hang from any face; front-loaded port.

Figures are Penn Audio Speaker Lab design targets and may be refined in production.

Reference Designs

Complete loudspeaker designs from the Speaker Lab — engineered and verified as full systems.

Penn PointSource Dual-8 WG

MTM dual 8″ + 1.4″ compression on 90°×60°…

POINT-SOURCE 2-WAY

100 dB	124 dB	500 W	4.0 Ω
SENSITIVITY	MAX SPL	POWER	IMPEDANCE

Penn Choir Column P15

Dual 5.25″ sealed LF + 8× 4″ coaxial array · …

INSTALL COLUMN

99 dB	115 dB	400 W	4.0 Ω
SENSITIVITY	MAX SPL	POWER	IMPEDANCE

Penn Dual-18 Sub

Dual 18″ reflex · Slot-ported

SUBWOOFER · DUAL 18″

32 Hz	137 dB	3400 W	2.5 Ω
TUNING FB	MAX SPL	POWER	IMPEDANCE

Penn FR5

Single 5″ full-range · Ported (EBS) · Concept

FULL-RANGE CONCEPT

89.5 dB	105 dB	120 W	8.0 Ω
SENSITIVITY	MAX SPL	POWER	IMPEDANCE

Reference designs are Speaker-Lab engineered; published figures are design targets.

Engineered in-house.

Penn Audio designs and verifies every loudspeaker in an in-house, physics-accurate simulation platform — the Penn Audio Speaker Lab. Thiele–Small driver modeling, enclosure and port tuning, crossover synthesis, and panel-resonance analysis all happen before a single panel is cut, so every model in the range shares one voice.

Talk to us

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RANGES	**Unibody Series · Reference Designs**