

PM12 Datasheet

General Description

The **PM12 AD** is Hortus audio's 12" active 2-way full-range point source, designed and manufactured in France. Equipped with transducers from leading European manufacturers, it offers precise and powerful audio reproduction.

The loudspeaker comes with bi-amplification and a dsp with FIR correction technology for maximum versatility.

It features one bass-reflex loaded 12" woofers and a 1" compression driver loaded on a 90°x 90° horn.

Features

- Compact 2-way speaker
- Durable - high quality birch plywood enclosure
- High quality components
- Built-in class D bi-amplifier and DSP
- 5 DSP preset
- FIR linear phase tuning delivers high-definition sound
- Coherence of response maintained by Dynamic Equalization
- 136 dB Max SPL
- 55 Hz – 20 kHz Frequency Range

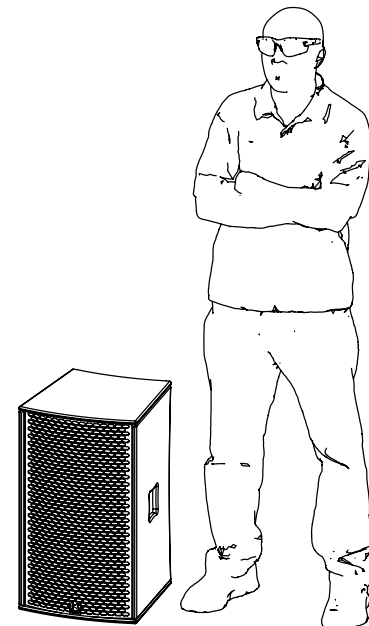
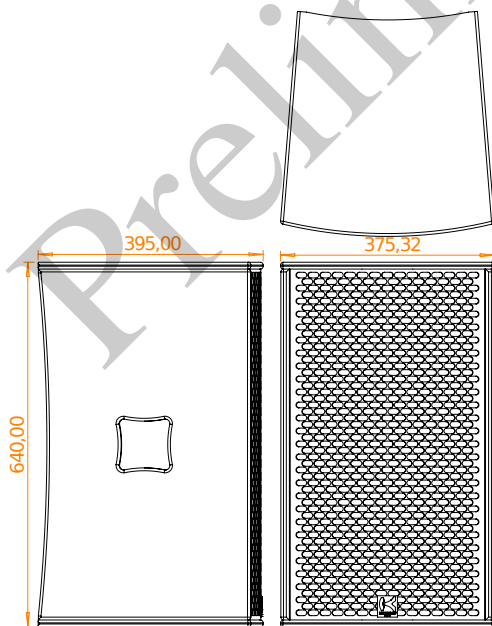
Applications

- DJ & Stage monitor & Band PA
- Auditoriums & Concert Halls
- Theaters
- Nightclubs & Lounges



TECHNICAL SPECIFICATIONS

Acoustical specifications	Frequency Response (-6 dB)	55 Hz - 20 kHz
	Max SPL @ 1m ¹	124 dB nominal, 136 dB peak
	Horizontal coverage angle (-6 dB)	90°
	Vertical coverage angle (-6 dB)	90°
Electrical specifications	Program power handling	700 W
	AC in	PowerCON®, 85-265 VAC, 50Hz/60Hz
Input/Output section	Input signal	Balanced
	Input/Output connectors	XLR
	Input Gain	-48dB to +6 dB
Transducers	LF	1 × 12" Driver - 2.5" voice coil
	HF	1 × 1" compression driver - 1" voice coil
Processor section	Crossover Frequencies	2400 Hz
	Limiter	Peak and Rms
	Preset's	5 selectable preset
Physical specifications	Rigging	1 × 35mm flange
	Handling	One handle per side - machined in material
	Weight (net)	21 kg
	Height × Width × Depth	650 × 395 × 375.4mm
	Cabinet	Baltic birch wood
	Finish	Finished polyurethane paint



¹Nominal and peak level at 1 meter under 2 π conditions using pink noise with crest factor 4. Data from FEA simulation.