



PRESENTATION XD211

Description and features

- Designed for installation in small cinema theatres
- Fixed installation behind the screen
- Bi-amplified
- Active two-way with external DSP processing
- Passive version available with built-in dedicated passive crossover network.
- Unique asymmetrical horn design with three-dimensional dispersion and adjustable pointsource
- 3D- and Digital- HD ready.
- Closed design for optimal transducer control.
- Adjustable and steerable dispersion angle, both horizontally and vertically with an external horn.
- sleek design to fit behind the screen.



Design, Facts and Applications.

The XD211 was developed to be installed behind the screen in small cinema theatres.

For extended lowrange and larger theatres, use the XD115, 1x15" low-mid speaker to build a three-way system, with more power handling and a wider frequency response.

XD211 are ready for the next generation of HD-sound and 3D-movies with the very latest in design, electronics and components, making upgrading theatres to the next level a smooth and easy transition.

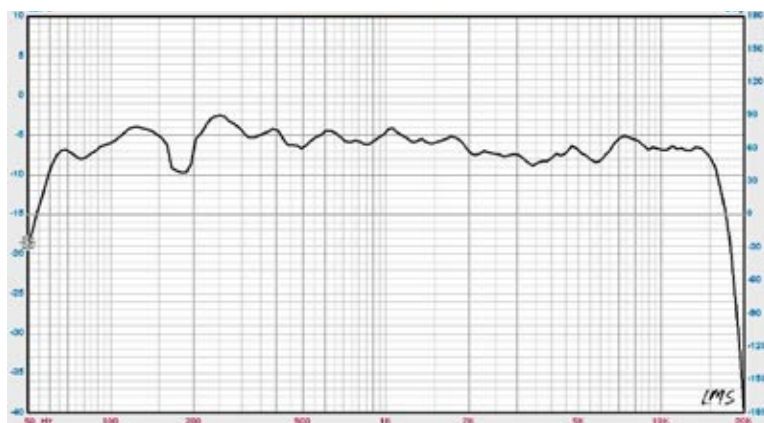
A specially designed 1" asymmetrical horn with 3D dispersion mounted in a steerable box feeds the audience with coherent and accurate highrange. The horn has a dispersion that is best explained as a three-dimensional triangle turned upside down (see separate datasheet for clarification) this means that the closer you are to the sound emission driver, the wider the dispersion, and the further away you are the more narrow the dispersion.

The effect is that wherever you are seated you have a more fair sound pressure level, with less difference between rows, this invention reduces the need to play extremely loud to reach the back of the theatre, also saving the front rows from damaging high SPL.

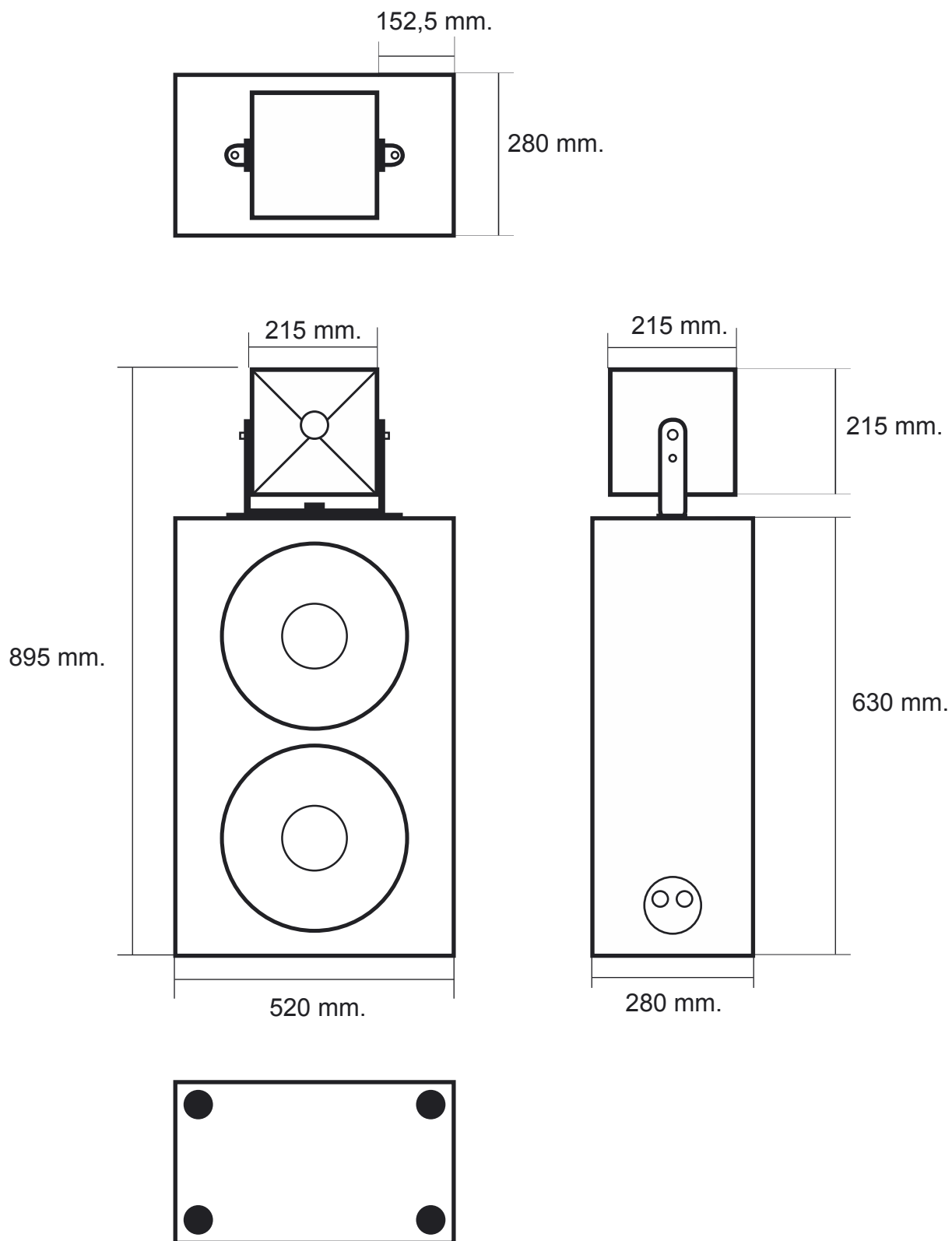
The lowrange and the midrange are handled by two custom designed 10" Neodymium drivers mounted in a closed box for best performance and cone-control. The latest research in cinema sound has come to the revelation that a closed box with proper DSP settings is preferable to a vented box, using our cinema DSP processor DX48 with dedicated DSP settings will give your cinema a new sound experience!

TECHNICAL SPECIFICATIONS XD211

Construction	2-way fullrange, active bi-amped with externally mounted adjustable HF unit. (Passive version available)
Cabinet construction	19 mm. Medium Density Fiberboard (MDF) reinforced closed box.
Finnish	two-component lacque, black textured
Hardware LF	M10 threads for mounting HF-unit bracket.
Hardware HF	2 x M10 threads for mounting bracket.
External features	4 x rubber feet.
LF drivers and loading	2 x 10" costum designed woofers in a closed box
HF driver and Loading	1" driver on an externally mounted assymetrical dispersion horn.
Power handling	
LF	500W RMS (1000W cont)
HF	60W RMS (120W cont)
Nominal impedance	
LF	2 x 8 ohms (total 4 ohms on input.)
HF	8 ohms
Sensitivity	
LF	100dB @ 1W/1m. 4 ohm load
HF	108,5 dB@1W/1m.
Max SPL (calculated peak)	133dB@1W/1m. (2-way Fullrange system)
Frequency responce	60Hz - 18kHz +/-3dB (2-way Fullrange system)
Power mode	2-way Bi-amplified with DSP processor (2 amplifier ch.) 2-way with passive crossover (1 amplifier ch.)
Connectors	Gold plated pole screw terminals
Pre-programmed DSP System processor	PROPHON DX48, PROPHON DSP480
Suggested power on amplifier	500W-1000W on LF @ 4ohm (2x250 - 2x500W @ 8 ohm) 125W-250W on HF @8 ohm
Suggested amplifiers	P3000, PL1600, P3000DSP
Total channels on DSP	1 input and 2 output with DSP processed sound (Passive version uses 1 in and 1 out, without DSP, all room adjustments can be made in the cinema processor, such as CP750 from Dolby, or equivalent)
Measurements mm.	H895 x W520 x D280



MEASUREMENTS XD211



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All data are subjects to change without prior notice