



SPX90

Compact full range system

The SPX90 is a full-range, self-powered sound reinforcement system with a rotatable horn, featuring a tightly controlled vertical and horizontal dispersion pattern. This feature enables to use the SPX-90 as a stand-alone system, both vertically and horizontally.

The SPX90 packs a carefully matched 12-inch mid/bass driver and a 1.4-inch HF driver, which is loaded on a rotatable constant directivity horn with 90 degrees horizontal and 60 degrees vertical dispersion. The SPX90 excels in smooth acoustic coupling, vocal transparency and SPL in small to medium sized configurations. Together with an accompanying sub low system, like an SP15E or SP18E sub cabinet, the frequency response can be extended an octave downwards. For most programme material the power balance between one SPX90 and one SP15E or SP18E will be just right.

Acoustical specifications

Drivers	1 x 2,5" HF (1,4" exit), 1 x 12" LF High power low weight Neodymium design.
Freq. response	60Hz-20kHz
Max. peak SPL @1m ¹	136dB
Coverage angle	90H x 60V (rotatable)

Electrical specifications

Amplifier(s)	CCD™ technology
Output	1200W* sine LF/100W sine HF (DALC limited)
Crossover	~ 1.2 kHz, 4th order
Filter hipass	60Hz, 4th order switchable to 90Hz 4th order
Input impedance	20 kOhms balanced, 10 kOhms unbalanced
Output impedance	hard-wired to input
Main voltage	230V (other on request)
Mains frequency	50 / 60 Hz
Idle	< 50VA
Full load	1200 VA. DALC limited Ref. to continuous pink noise signal (12 dB crest factor within the specified range)
Protection	D.A.L.C. (Dual AudioLogic Control)

¹ Peak level at 1M under half space conditions using pink noise with crest factor 4 (12dB)

* Specified at 8 Ω

Additional descriptive data

Cabinet construction	Cross grain laminated multiplex
Finish	Nano-armor™ coating
Weight	25Kg
Size WxHxD (mm)	395 x 600 x 405 (trapezoid)
Rigging points	Integrated SPX flypoints, recessed pole mount.
Audio connectors	IEC XLR-3 in/out
Main connectors	Powercon in, Powercon out
Max. operating temp.	-10 to 40 C ambient

