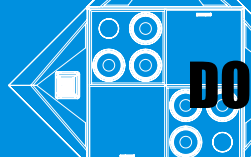
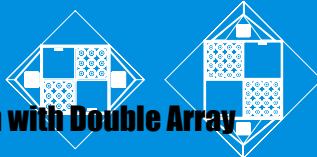
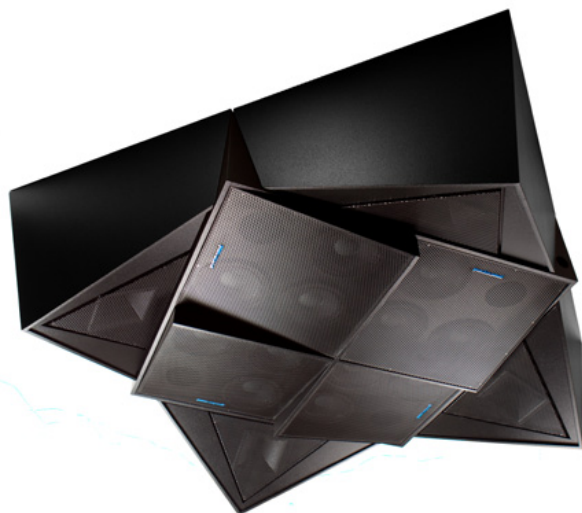


AS180

Controlled radiation stereo system with Double Array



DOUBLE ARRAY series



GENERAL INFORMATION

The AS180 controlled radiation *stereo* system features the exclusive *double array* configuration and has a greater capability than any other conventional speaker to concentrate sound emissions within a well-defined area. In fact, by aligning several sound sources, it is possible to alter the dispersion angle of every sound source and achieve an overall irradiation effect that is narrower and more targeted towards a desired direction.

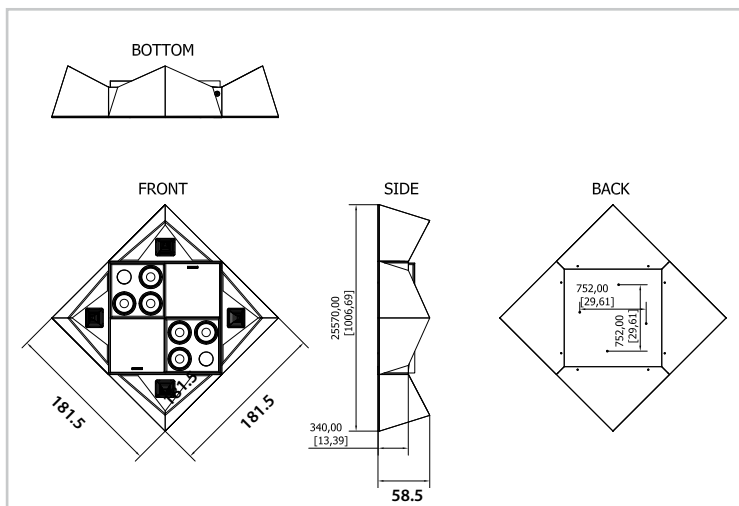
COMPONENTS

For the low frequency section, the AS180 features 12 professional quality 10" woofers with tropicalized, waterproof diaphragms suitable for all environments including very humid outdoor areas. The mid-high frequency section uses four tweeters with 1" compression driver each and four controlled directivity horns (90°x75°). The driver diaphragms are in Titanium, with special static air pressure equalizers.

CABINET

The speaker cabinet is made of extremely sturdy birch plywood resistant to extreme temperature and humidity levels. Internal reinforcements allow maximum rigidity even at peak power levels.

In compliance with European Standards **CE** - Certified by Italian Quality Institute



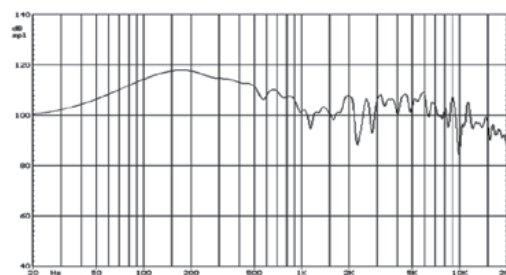
TECHNICAL FEATURES

System configuration	controlled radiation system
Power handling RMS	1600 + 1600 W
Power handling Music	3200 + 3200 W
Power handling Peak	6400 + 6400 W
Frequency response (-6 dB)	50÷19k Hz
Nominal impedance (LF/HF)	4 + 4 Ohm / 16 + 16 Ohm
Nominal impedance (with DP180)	4 + 4 Ohm
Axial sensitivity (1W@1m)	99 dB
Continuous SPL (@1m)	134 dB
Peak SPL (@1m)	140 dB
Crossover frequency (with DP180)	1.8 kHz
Covered area (@height=3.5 m)	110 m²
High attenuation distance (-20 dB)	13 m
Patent Number	01280080

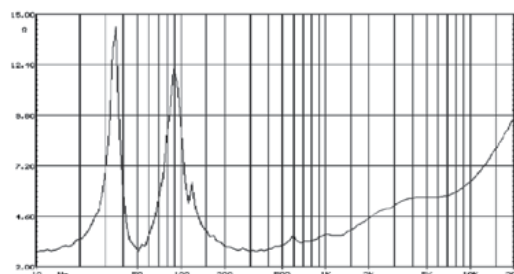
TRANSDUCERS

LF sub system	12 x 10" - neodymium
Nominal impedance	8 Ohm
Nominal power handling (AES)	250 W
Sensitivity (1W@1m)	98 dB
HF sub system	4x1" - titanium
Diaphragm	FLAT, titanium
Voice coil	1.5", aluminium
Throat diameter	1"
Nominal impedance	8 Ohm
Nominal power handling (AES)	45 W
Sensitivity (1W@1m)	109 dB
HORN material	structural polyurethane

FREQUENCY RESPONSE



IMPEDANCE RESPONSE



PHYSICAL

Input connectors	2 x NL4 speakON
Cabinet	birch plywood
Dimensions (WxHxD)	181.5 x 181.5 x 58.5 cm
Net weight	194 kg

All measurements have been taken in Sound Corporation research laboratories

SOUND REINFORCEMENT

CONTROLLED RADIATION

ACOUSTIC RESEARCH

peecker sound®

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