StepArray

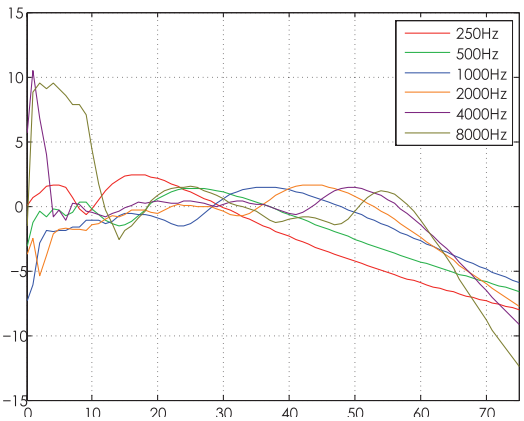
SA400P - Datasheet
Digitally steerable column loudspeaker

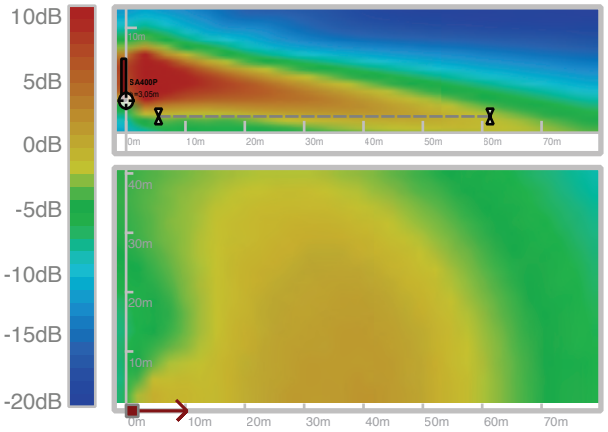
StepArray column loudspeaker SA400P

StepArray column loudspeakers ensure perfect speech intelligibility and optimal acoustic comfort, even in noisy and reverberant venues. They are based on the DGRC principle (Digital and Geometric Radiation Control).
A 4,00m high column loudspeaker with a 90m range. Its extraordinary size is ideal for every exceptionnal building like a train station platform, an airport hall, etc.
DSP processing of StepArray columns is performed in the NUT processor.
The NUT control software can be downloaded for free.

- Security
- Optimal intelligibility
- Even sound coverage
- Easy maintenance

Sound coverage





Above: Abscissa: distance (m) ; Column SA400P at 2,55m from ground
0dB is the mean SPL over 10m-45m on axis

Acoustical data

Angle of listening area	0-3°
Range +/- 3dB	68m
Range +/- 5dB	90m
Max SPL (CEI268-16 noise)	94dBSPL at 30m
Freq. bandwidth (-10dB)	110Hz-19kHz
Horiz. opening angle	180°
Loudspeaker	3'', neodymium, moulded frame

Electrical data

Connector	12 pins
Cabling length	≤300m with 7G1,5 cable ≤500m with 7G2,5 cable
Impedance	6 channels, 8 Ohms

Mechanical data

Materials	Steel and PVC
Dimensions (mm)	4096(H) x 124(W) x 135(D)
Weight (kg)	39
Environment	From -25°C to 55°C. IP55
Color	Black (RAL9005) ; White (RAL9016) other RALs in option

Mounting

Flush mounting	Supplied square brackets

Tuning and exploitation

Software	Supplied NUT software
Modeling	EASE et CATT-Acoustic models available

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