

High Efficiency Directivity System



Directivity is the Fulgor Service audio system with directivity control of the emission lobe or sound beam. The technology of Directivity system includes a digital processor with dedicated algorithm, its own software D&D control, array speaker and power units 6-channel Class-D.

Directivity system allows to sonorize large environments with difficult acoustics, getting a clear and intelligible audio, thanks to software that is used to control the emission of the array both on the vertical (X) and horizontally (Y) axis, so as to acoustically cover only the listening area and not cause harmful reflections.

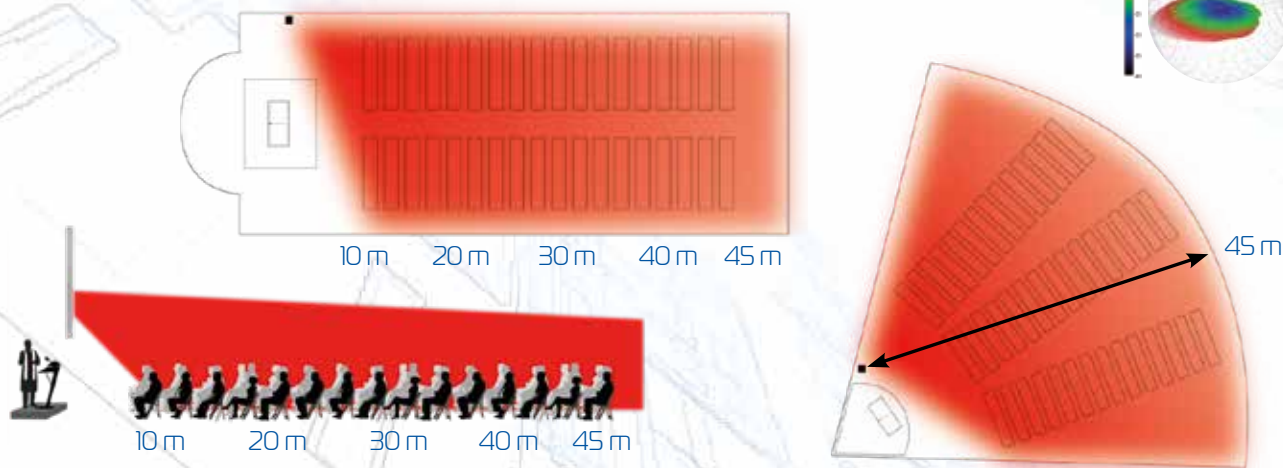
Directivity speaker is composed of groups of speakers separately connected to the power units, these are driven by the algorithm of the processor that allows it to function. The speakers applicable to the Directivity system are of two measures in accordance with the need for sound coverage required. They are available from a range of m 25 to m 45.

TECHNICAL CHARACTERISTICS

- BOARDS INTERNAL : _____ 2 DSP boards for the 8 outputs control
- BAND WIDTH: _____ 20 Hz to 20 KHz / -1 dB
- DISTORTION FACTOR : _____ < 0,005%
- TOTAL DYNAMICS: _____ 103 dB
- EXTERNAL POWER SUPPLY : _____ 230V AC
- AUDIO INPUT: _____ 4 micro line with XLR, balanced, phantom power from -60 dB to +20 dB
- INPUT IMPEDANCE : _____ 6,6 KOhm
- PHANTOM POWER : _____ selectable
- OUTPUT: _____ 8 x XLR balanced, +10 dB
- EQUALIZERS: _____ 9 parametric bands on out standard - 5 filters, parametric out on directivity
- DELAY: _____ 0,023 to 500 ms
- INTERFACE: _____ serial, RS-232 interface for programming
- USER INTERFACE: _____ RP6 panel
- PROCESSOR DIMENSIONS (WxHxD): _____ mm 482 (431) x 45 x 200; 19" 1U
- PROCESSOR WEIGHT: _____ Kg 2,40
- V. DIRECTIVITY DIMENSIONS (WxHxD): _____ mm 100 x 1578 x 50
- V. DIRECTIVITY WEIGHT: _____ Kg 11
- V. MAX DIMENSIONS (WxHxD): _____ mm 2322 x 100 x 50
- WEIGHT V. MAX: _____ Kg 16
- SPEAKER DIRECTIVITY CONTROL VIA SOFTWARE

DSP
 DIGITAL SIGNAL PROCESSING

SOUND DIFFUSION PATTERN



The images are purely illustrative and the details can be changed without any warning.