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# Ray-On

Acoustics meets Architecture

Active  
audio  
L'acoustique active

## Birth of Ray-On

Ray-On was born from Active Audio's desire to offer the DGRC technology of StepArray to a wider public.

We have designed a product with features (directivity for example) of our premium speakers and preserving the characteristics of price and ease of installation of conventional speakers.

Ray-On aesthetic is elegant and discreet. Combined with its vertical mounting, it allows perfect integration in the most demanding architecture.

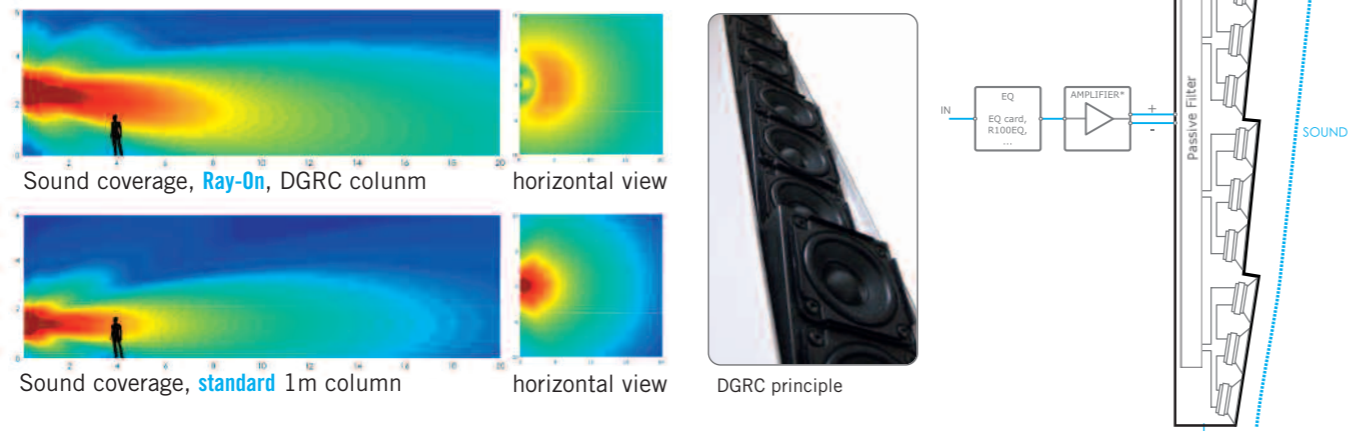
\*Digital and Geometric Radiation Control



# Ray-On Acoustic and Aesthetic

The Ray-On 100 column loudspeaker is a 1m column based on the DGRC principle. This innovation provides a homogeneous sound coverage and perfect speech intelligibility. It is worth of high-end directivity control sound systems.

Vertical mounting (not tilted) and elegant design with finely perforated grille yields optimum aesthetics and integration to preserve aesthetics of all places equipped.



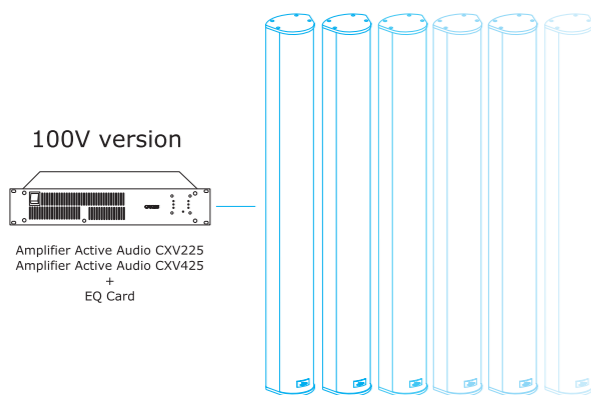
- Listening comfort
- Even sound coverage
- Perfect speech intelligibility
- Elegant and discreet

# Ray-On Easy Installation

Its fixing system allows quick and effortless vertical installation.  
The long distance cable installation can be achieved with the 100V line mode.

To take full advantage of Ray-On, a range of accessories is available :  
amplifiers with equalization card, equalization processor, stand adaptor.

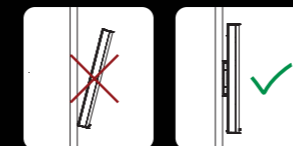
- Vertical mounting
- 100V line
- Perfect integration



## Mounting



With our mounting system, the column loudspeaker is vertically stuck to the wall. Therefore it becomes almost a part of the wall.



Vertical mounting



## Technical data sheet

ACOUSTICAL DATA	LOW IMPEDANCE - Réf. R100	100V - Réf. R100T
Continuous power (according to EN5424)	150 W RMS / 1000W peak	25W / 50W / 100W
SPL max at 8m	93dB	85 / 88 / 91 dB
SPL max equivalent 1m	111dB	103 / 106 / 109 dB
Sensitivity	1W/8m 71dB/1W/8m	
Sensitivity equivalent to 1W/1m	89dB/1W/1m	
Frequency response at -3dB / -10dB	150Hz - 16,5kHz / 120z - 19Hz	
Vertical directivity	Wavefront synthesis	
Range (500Hz-2kHz $\pm$ 3 dB)	15m	
Range (500Hz-2kHz $\pm$ 5 dB)	23m	
Horizontal opening angle 1kHz / 4kHz	$\pm$ 100° / $\pm$ 70°	
Loudspeakers	12 loudspeakers 70x70mm tropicalized	
ELECTRICAL DATA	LOW IMPEDANCE - Réf. R100	100V - Réf. R100T
Nominal impedance	8 $\Omega$	400 / 200 / 100 $\Omega$
Loudspeaker connector	Ceramic terminal block screw, with "loop-through"	
Amplifier power recommended	300W	
Wire section	from 0,5 to 2,5mm <sup>2</sup>	
Protection	Thermal fuse and protection against overload	
MECHANICAL DATA	LOW IMPEDANCE - Réf. R100	100V - Réf. R100T
Weight (kg)	9	10
Materials	Aluminum treated steel grid rustproof and UVproof	
Dimensions H x W x D (mm)	1026 x 128 x 117	
Environment	IP54, from -25°C to 55°C	
Colors	White (RAL9016 repaintable) and Black (RAL9005)	
Mounting	Flush mounting	
TUNING AND EXPLOITATION	LOW IMPEDANCE - Réf. R100	100V - Réf. R100T
Recommended equalization	7 parametric cells	
Modeling	EASE and CATT-Acoustic models available	