



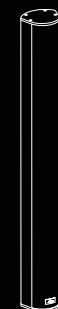
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ANG www.Eureka-design.fr / Photos produits : Maryfermoulinier



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 range of products with features (such as directivity) of our premium DSP 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 architectures.

*Digital and Geometric Radiation Control



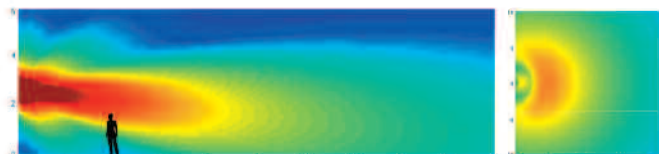
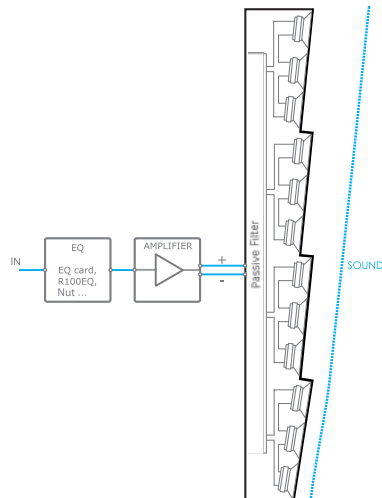
Ray-On Acoustics and Aesthetics

The Ray-On range includes three passive column loudspeakers of 0.6, 1 and 2 meters high, based on the DGRC principle. This innovation provides a homogeneous sound coverage and perfect speech intelligibility over the entire audience area. 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.

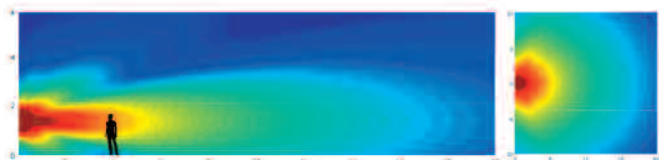


DGRC principle



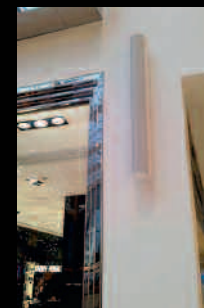
Sound coverage, **Ray-On 100**, DGRC column

horizontal view

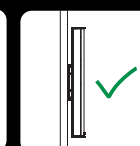
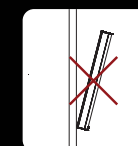


Sound coverage, **standard** 1m column

horizontal view



- Listening comfort
- Even sound coverage
- Perfect speech intelligibility
- Elegance and discretion



Vertical mounting

Ray-On Easy Installation

For indoor and outdoor installations, their mounting system allows quick and effortless vertical installation. The equalization is the same for every model. It is then possible to cascade different Ray-On models on the same 100V line. The equalization can be achieved with NUT, R100EQ, or any other parametric equalizer.

To take full advantage of Ray-On, some amplifiers and a range of accessories are available : equalization processor, stand adaptor.

- Vertical mounting
- Switch 8 Ω / 100V
- Perfect intelligence
- EN54-24 compliant

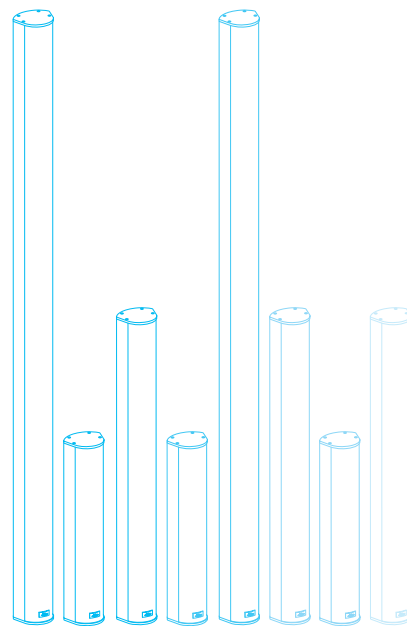


R100EQ accessory

100V version



Amplifier Active Audio CXV225
Amplifier Active Audio CXV425
+
EQ Card



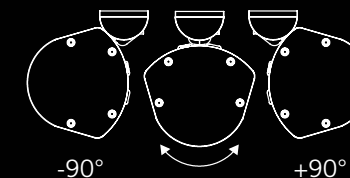
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Mounting

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



Rotation, seen from above



Stand mounting

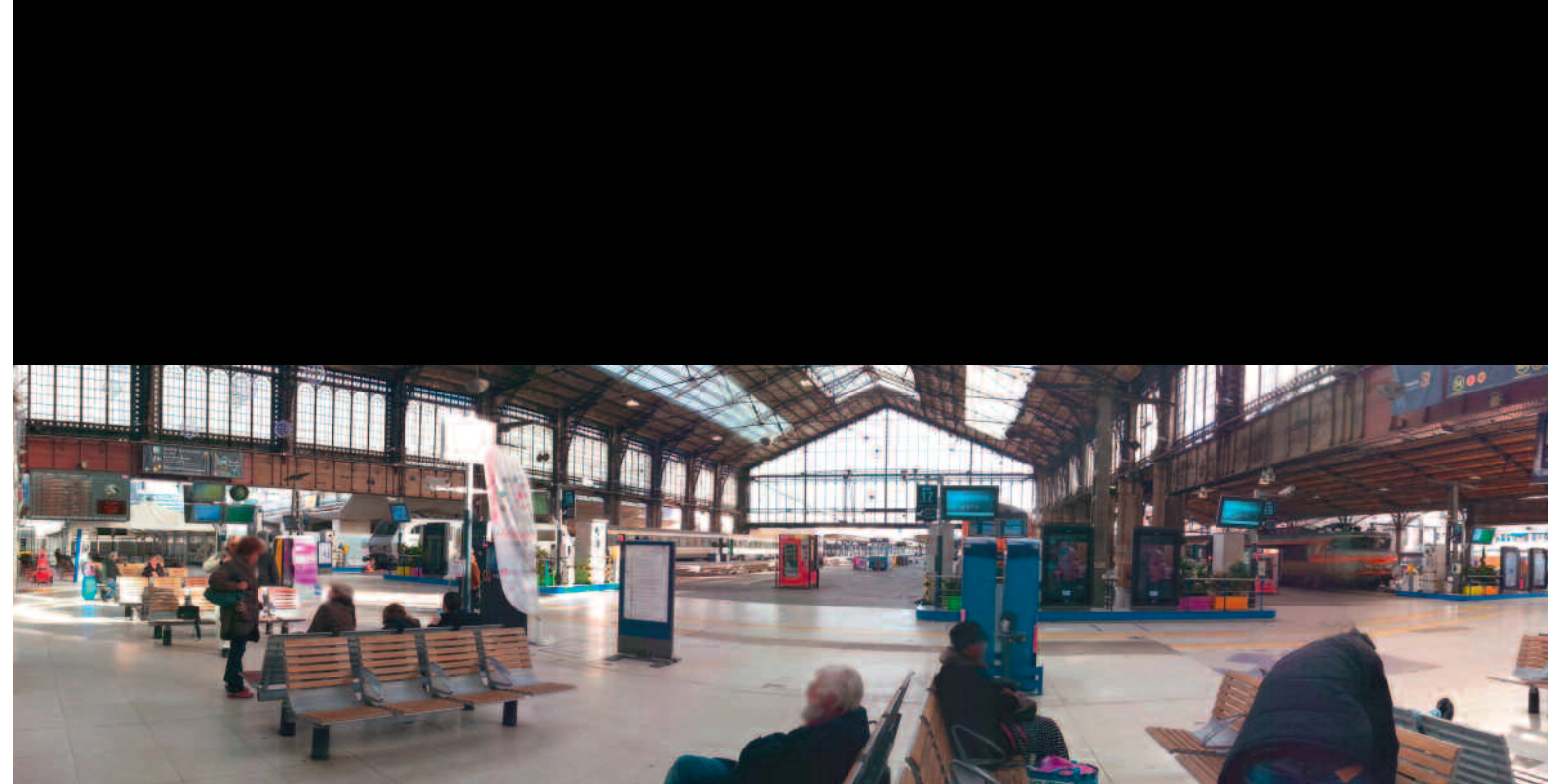
Security PA system

When sound systems are used for security message announcements (like fire safety messages), loudspeakers must be certified EN5424 (type A for indoor use, type B for outdoor). It is often the case with railway stations, airports and other buildings for transportation.

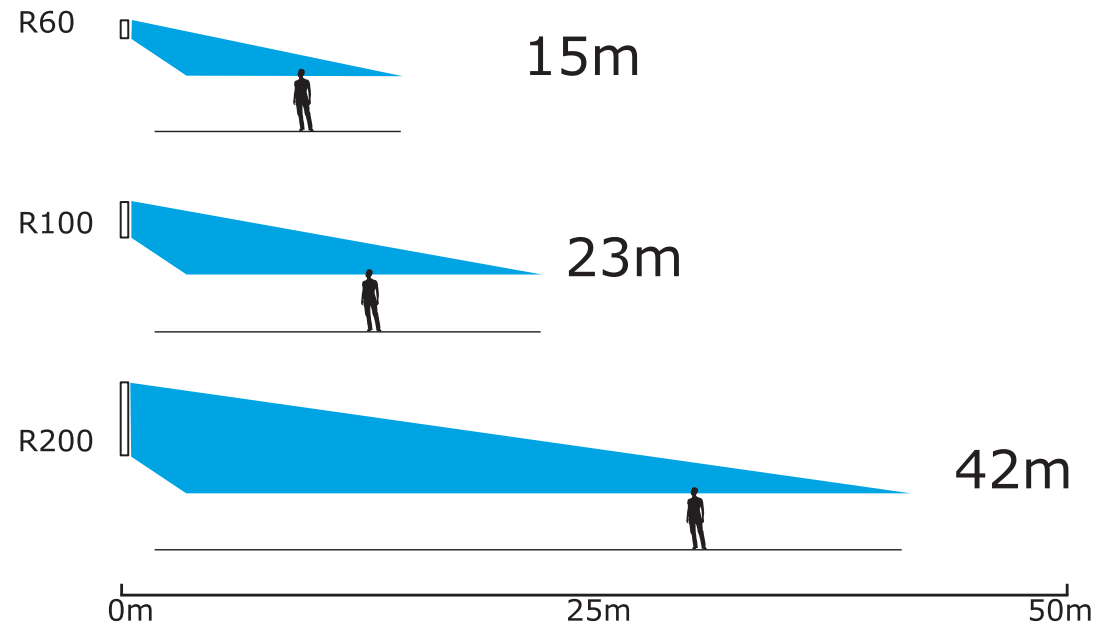
Ray-On column loudspeakers are equipped with loudspeakers for outdoor use, thermal fuses, ceramic terminal blocks, and fireproof cables. Their structure is in aluminum.

They are EN5424 type B compliant.

EN54-24



Technical data



R60

Acoustical data	Mode 8 Ω	Mode 100V
SPL max	91 dB at 5 m	84 / 87 / 90 dB at 5 m
Range at $\pm 3\text{dB}$ et $\pm 5\text{dB}$	6,5m / 12m	
Sensitivity	74 dB / W at 5m	
Frequency response at -3dB / -10dB	150Hz - 14,5kHz / 120Hz - 17kHz	
Vertical directivity	Wavefront synthesis	
Horizontal opening angle 1kHz / 4kHz	$\pm 100^\circ / \pm 70^\circ$	
Electrical data	Mode 8 Ω	Mode 100V
Continuous power	75 W	15W / 30W / 60W
Nominal impedance	8 Ω	666 / 333 / 167 Ω
Protection	Thermal fuse and protection against overload	
Recommended equalization	Speech : 4 param. cells Music : 6 param. cells	
Mechanical data	Mode 8 Ω	Mode 100V
Net / shipping weight	5,2 kg / 5,7 kg	
Dimensions H x W x D	611 x 128 x 117 mm	
Environment	Indoor, outdoor - IP54, from -25°C to 55°C	
Colors	Black (RAL9005) ; White (RAL9016 paintable)	
Mounting	Flush and mast mounting	
Nominal mounting height seating/standing audience	210 cm / 250 cm	

R100

Acoustical data	Mode 8 Ω	Mode 100V
SPL max	92 dB at 8 m	84 / 87 / 90 dB at 8 m
Range at $\pm 3\text{dB}$ et $\pm 5\text{dB}$	15m / 23m	
Sensitivity	72dB / W at 8m	
Frequency response at -3dB / -10dB	150Hz - 16,5kHz / 120Hz - 18kHz	
Vertical directivity	Wavefront synthesis	
Horizontal opening angle 1kHz / 4kHz	$\pm 100^\circ / \pm 70^\circ$	
Electrical data	Mode 8 Ω	Mode 100V
Continuous power	150 W	25W / 50W / 100W
Nominal impedance	8 Ω	400 / 200 100 Ω
Protection	Thermal fuse and protection against overload	
Recommended equalization	Speech : 4 param. cells Music : 6 param. cells	
Mechanical data	Mode 8 Ω	Mode 100V
Net / shipping weight	8,3 kg / 9,1 kg	
Dimensions H x W x D	1026 x 128 x 117 mm	
Environment	Indoor, outdoor - IP54, from -25°C to 55°C	
Colors	Black (RAL9005) ; White (RAL9016 paintable)	
Mounting	Flush and mast mounting	
Nominal mounting height seating/standing audience	210 cm / 250 cm	

R200

Acoustical data	Mode 8 Ω	Mode 100V
SPL max	94,5 dB at 16 m	83 / 86 / 89 dB at 16 m
Range at $\pm 3\text{dB}$ et $\pm 5\text{dB}$	31m / 51m	
Sensitivity	71dB / W at 16m	
Frequency response at -3dB / -10dB	150Hz - 16,5kHz / 120Hz - 19kHz	
Vertical directivity	Wavefront synthesis	
Horizontal opening angle 1kHz / 4kHz	$\pm 100^\circ / \pm 70^\circ$	
Electrical data	Mode 8 Ω	Mode 100V
Continuous power	300 W	20W / 40W 80W / 160W
Nominal impedance	8 Ω	500 / 250 125 / 62,5 Ω
Protection	Thermal fuse and protection against overload	
Recommended equalization	Speech : 4 param. cells Music : 6 param. cells	
Mechanical data	Mode 8 Ω	Mode 100V
Net / shipping weight	16,2 kg / 17,8 kg	
Dimensions H x W x D	1977x 128 x 117 mm	
Environment	Indoor, outdoor - IP54, from -25°C to 55°C	
Colors	Black (RAL9005) ; White (RAL9016 paintable)	
Mounting	Flush and mast mounting	
Nominal mounting height seating/standing audience	210 cm / 250 cm	