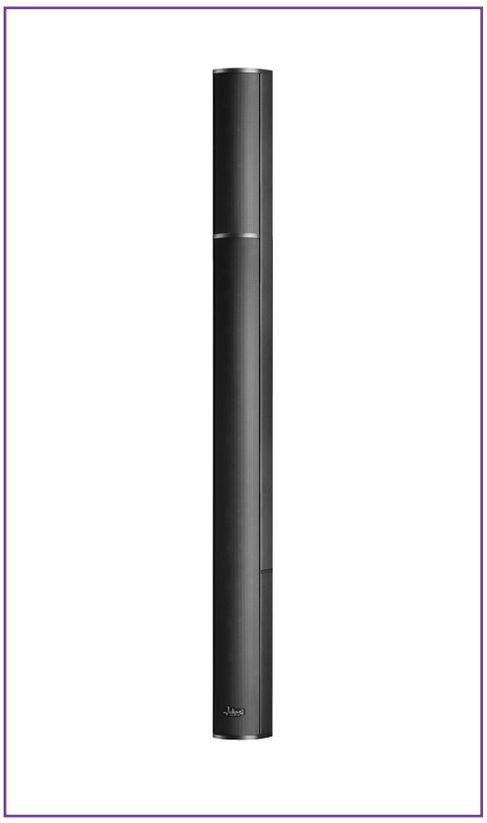
Ray-On+

High directivity self-powered column loudspeaker

R120+



Ray-On+ is the Dante-enabled, active version of the Ray-On column loudspeakers.

Acoustically, they combine the patented DGRC principle that has made the success of Active Audio's column loudspeakers, with an onboard DSP to equalize the speakers and an integrated amplifier.

It is also network-enabled and features a DANTE input port for lossless transmission of the audio signal.

The R120+ is a 120cm **active column**, which is designed to be mounted vertically.

With a nominal **range of 20m**, it offers a high-quality alternative for medium sized spaces in airports, train and underground stations, conference rooms, churches or shopping malls when you need to run the audio over a network.

Ray-On+ is reserved for indoor use, it cannot be subjected directly to rain.

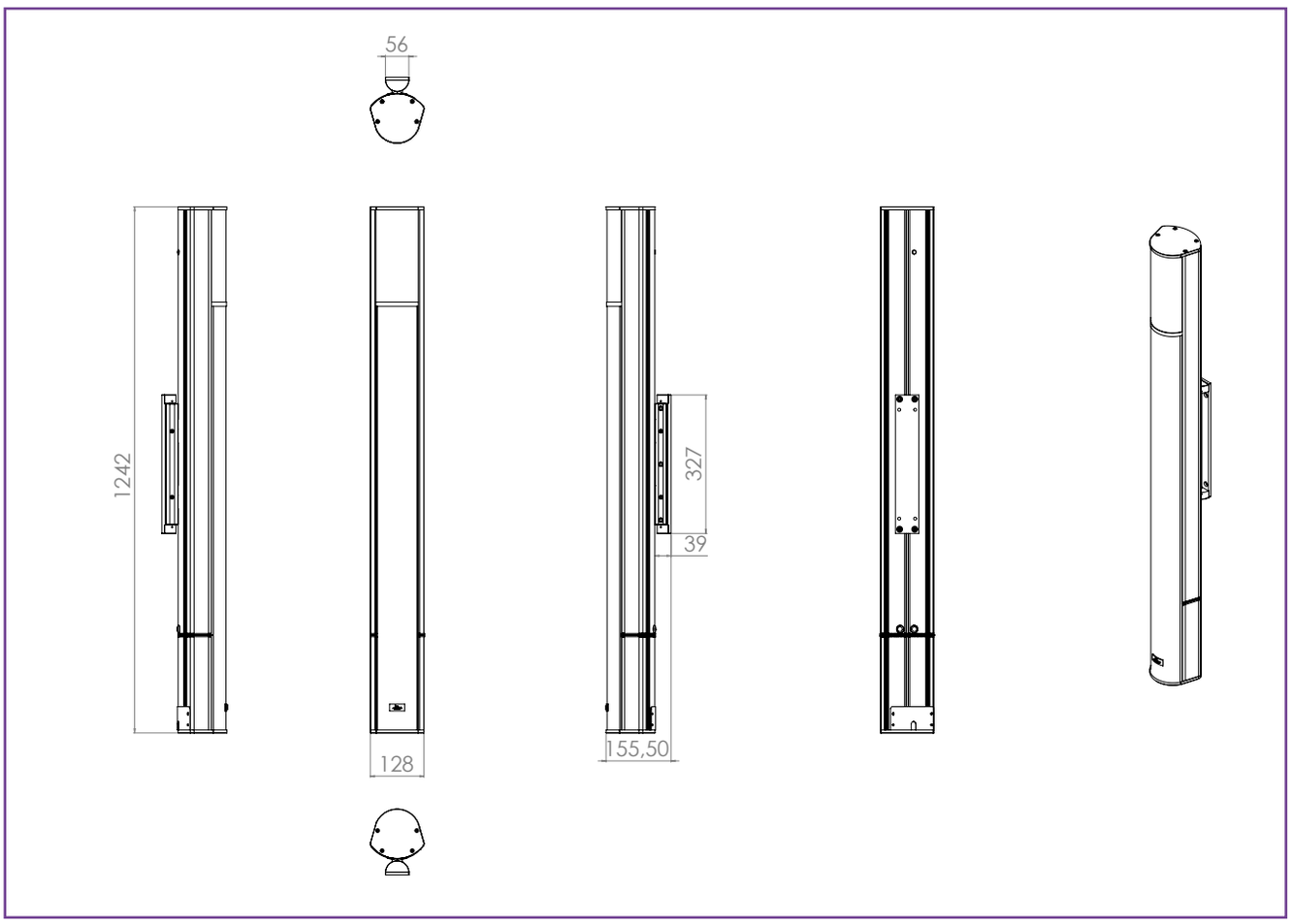
Active audio

Dante™

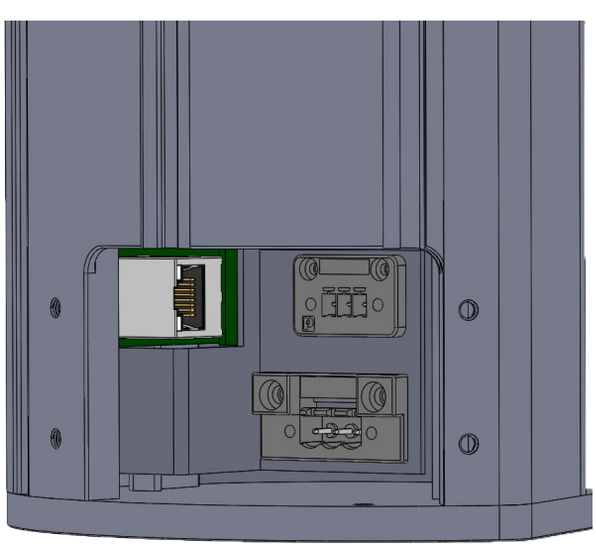
R120+

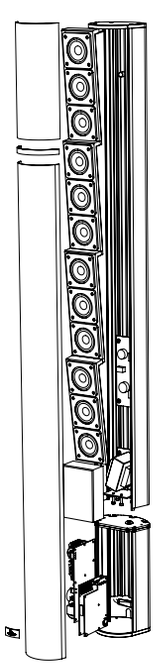
Mechanical Data

Mechanical drawings



1 x symmetrical analog input (Euroblock)
1 x Dante™ RJ45 input

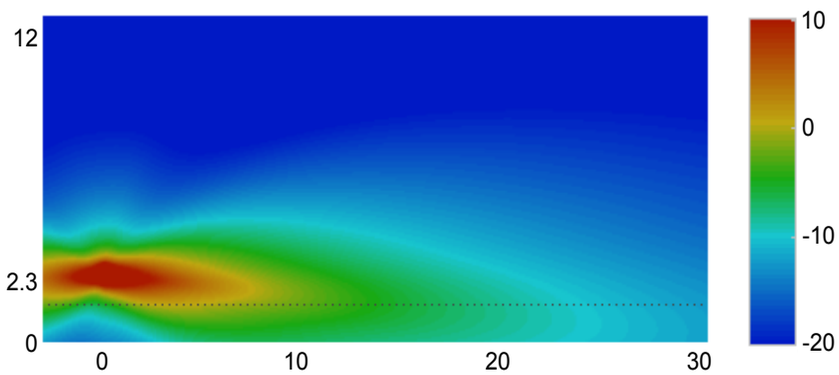




R120+

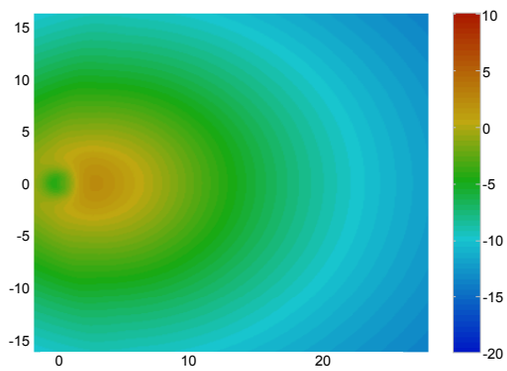
Acoustical Data

Sound coverage of the RayOn80+, DGRC column



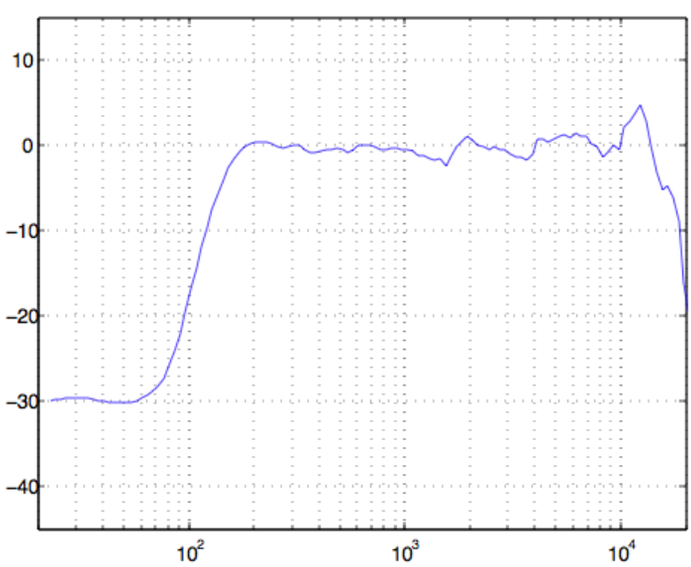
Ray-On 120+ vertical directivity: sound level for the speech octaves (500Hz, 1kHz, 2kHz) in the vertical median plane.

Horizontal view



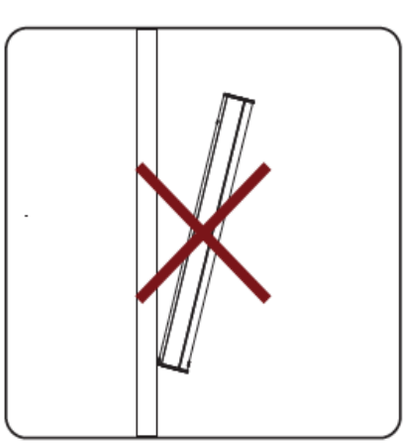
Ray-On 120+ horizontal directivity: sound level for the speech octaves (500Hz, 1kHz, 2kHz) on the listening plane (80cm below the column).

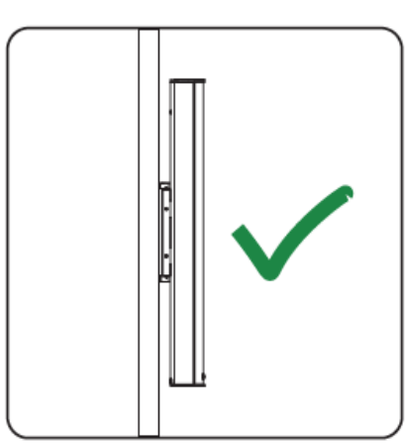
Frequency response



Ray-On 120+ frequency response, with recommended music equalization. Average from 2 to 15m on axis.

Vertical mounting







R120+

Technical specifications

Acoustical

SPL max	92dB at 8m
Range at ± 3dB ± 5dB	15m / 20m
Sensitivity	72dB / W at 8m
Frequency response at -3dB / -10dB	150 Hz -16,5kHz /120Hz - 18kHz
Vertical directivity at -6dB	wave front synthesis DGRC
Horizontal opening angle -6dB	± 100° / ± 70°
Loudspeaker	12 x 2,5''

Electrical

Inputs	1 x symmetrical analog input (Euroblock) 1 x Dante™ RJ45 input
Power supply	90V à 250V 50Hz/60Hz
Amplifier	Class D 300W
Equalization	Optimal pre-programmed.
Standards	CE marking, Compliance with EMC standards

Mechanical

Net / shipping weight	10.3kg / 11.1kg
Dimensions HxWxD (mm)	1200x128x117mm
Environement	IP23 (indoor use)
Colors	White (RAL9016) and black (RAL9005), paintable
Mounting	Flush and mast mounting
Nominal mounting height seating/standing audience	170cm 230cm
Materials	Body: Aluminum, grid: steel treated against rust and UV
Modeling	EASE & CATT-Acoustic TM downloadable on the website www.activeaudio.fr

Dante™ - enabled

Dante™

Modelization

EASE

catt

Paintable

Warranty

5 YEARS WARRANTY

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Active audio