Ray-On+

High directivity self-powered column loudspeaker

R80+



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

The R80+ is an 80cm **active column**, which is designed to be mounted vertically.

With a nominal **range of 12m**, it offers a high-quality alternative for smaller 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.

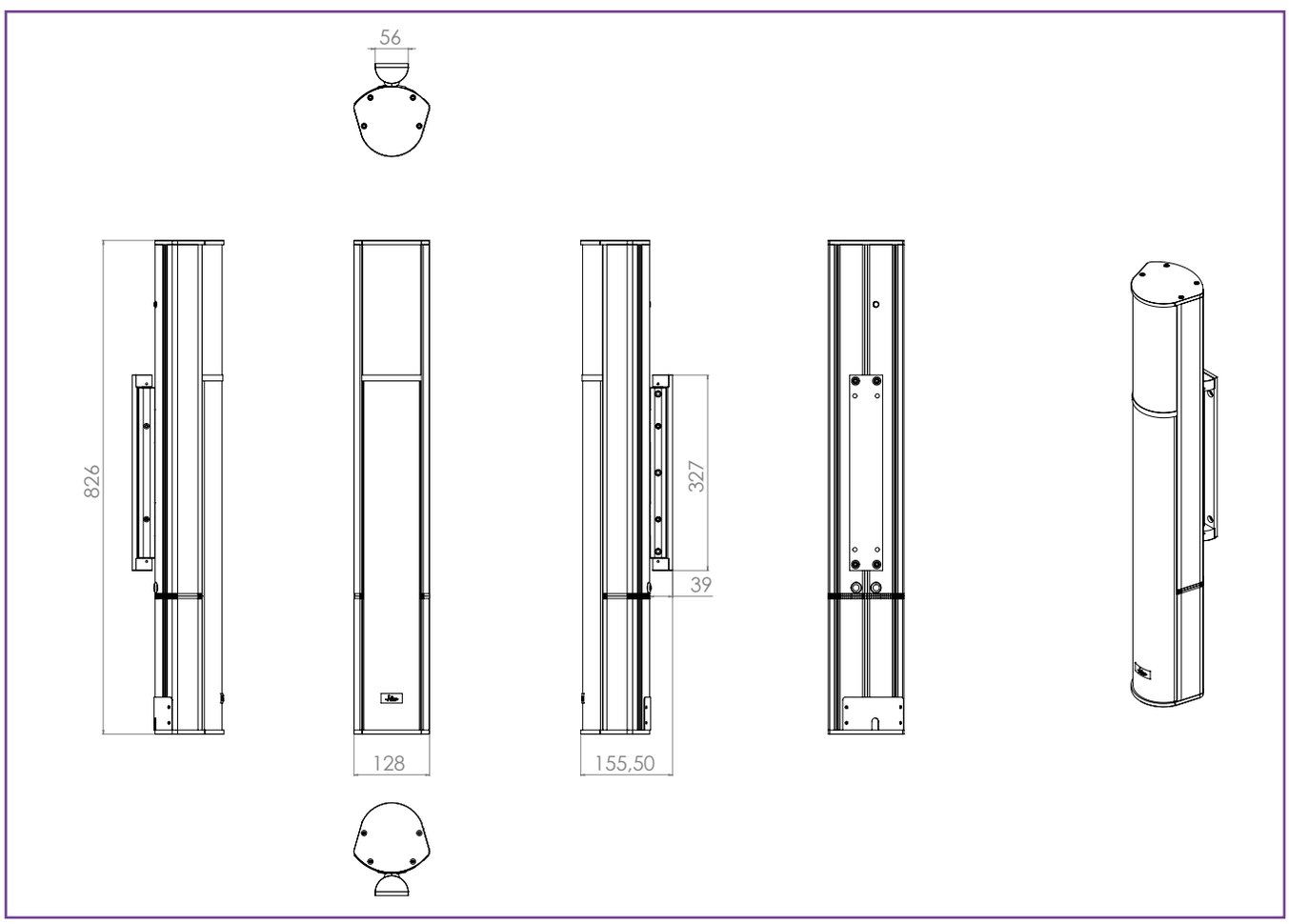
Active audio

Dante™

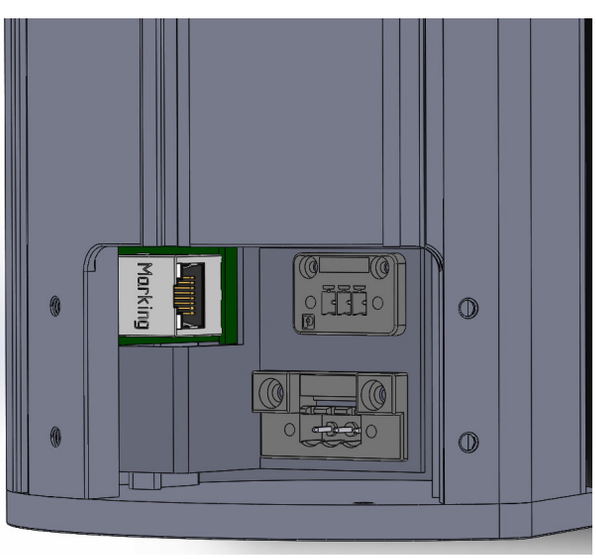
R80+

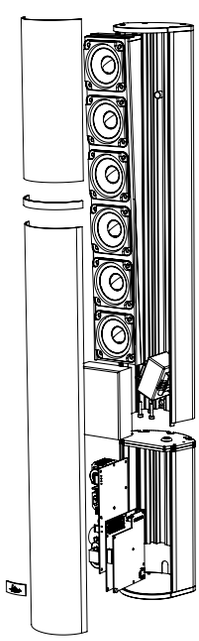
Mechanical Data

Mechanical drawings



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

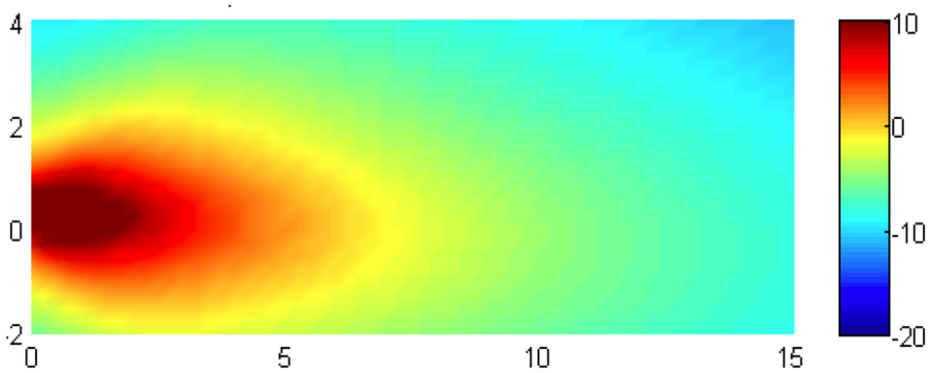




R80+

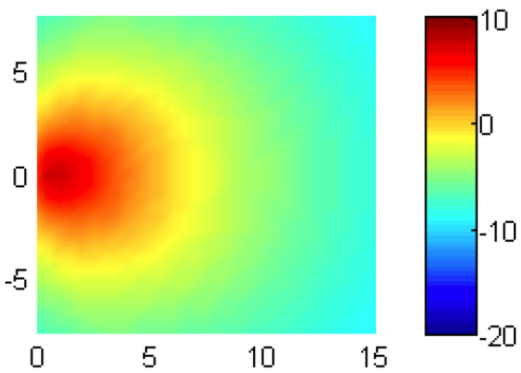
Acoustical Data

Sound coverage of the RayOn80+, DGRC column



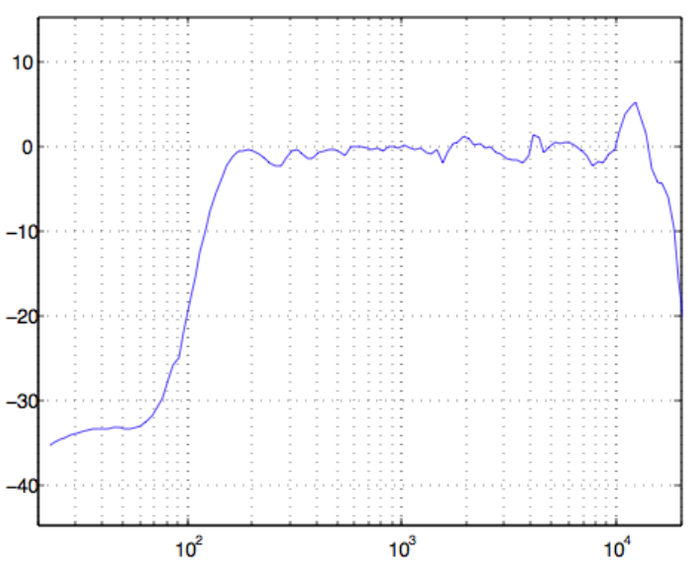
Ray-On 80+ vertical directivity : sound level for the speech octaves (500Hz,1kHz,2kHz) in the vertical median plane.

Horizontal view



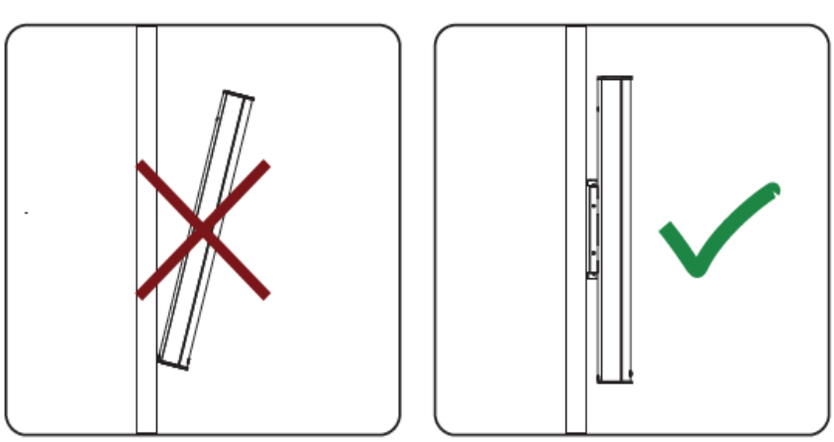
Ray-On 80+ horizontal directivity: sound level for the speech octaves (500Hz,1kHz,2kHz) on the listening plane (60cm below the column).

Frequency response



Ray-On 80+ frequency response, with recommended music equalization. Average from 2 to 10m on axis.

Vertical mounting





R80+

Technical specifications

Acoustical

SPL max	91dB at 5m
Range at ± 3dB ± 5dB	6,5m / 12m
Sensitivity	71dB / W at 5m
Frequency response at -3dB / -10dB	150 Hz -14,5kHz /120Hz - 17kHz
Vertical directivity at -6dB	wave front synthesis DGRC
Horizontal opening angle -6dB	± 100° / ± 70°
Loudspeaker	6 x 2,5''

Electronical

Inputs	1 x symmetrical analog input (Euroblock) 1 x Dante™ RJ45 input
Power supply	90V à 250V 50Hz/60Hz
Amplifier	Class D 150W
Equalization	Optimal pre-programmed.
Standards	CE marking, Compliance with EMC standards

Mechanical

Net / shipping weight	7.2kg / 7.7kg
Dimensions HxWxD (mm)	800x128x117mm
Environement	IP23 (indoor use)
Colors	White (RAL9016) and black (RAL9005), paintable
Mounting	Flush and mast mounting
Nominal mounting height seating/standing audience	150cm 190cm
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