



## GAMME PUBLIC ADDRESS

Manufacturing column loudspeakers since 2002

Since 2002, the acoustics engineers at Active Audio have worked every day to design and manufacture products offering quality sound broadcasting and excellent message clarity in locations with difficult acoustics. Our solutions combine expertise in drivers and digital filtering. This twin approach lies behind the patented DGRC (Digital and Geometric Radiation Control) principle, which provides a consistent sound field within a defined listening area.

This technology has resulted in several ranges of column loudspeakers aimed at producing excellent intelligibility in places of worship, train stations, airports, shopping malls and theme parks over distances of up to 90 m.

The models in the **Ray-On range** apply the principles of DGRC with a single amplification channel. The drivers, positioned in angled sections in the loudspeaker, are combined with specific filters that shape the wavefront generated in order to achieve the desired sound coverage.

The models in the **StepArray range** are multi-channel, and use a DSP processor to adjust the steering of the installed loudspeaker. The main advantage of StepArray is that fewer amplification channels are needed due to the DGRC principle, which reduces costs and means that the electronics can be shared remotely.

The “**plus**” ranges (**Ray-On+**, **StepArray+**) feature integrated amplification and processing and have a DANTE input. These models make it easy to incorporate DGRC into modern digital environments.

The **subwoofer range** can be used to increase the bandwidth of Active Audio systems in order to enable quality music broadcasting in places of worship and lecture halls, without detracting from intelligibility.

With customisable colours, Ray-On range EN 54-24 certification, and Made in France quality, it's little wonder the brand's international distributors have deployed more than 7,000 loudspeakers in 30 countries to date.

Range (m)	Range (m)										Max SPL	Efficiency dB/W	Horizontal opening angle at 1kHz	Bandwidth (-10 dB)	Listening plane	Low-impedance power	High-impedance power				Inputs	Dimensions (mm)	Weight	Cert.	IP
	5	10	15	20	25	30	35	40	45	90							P (W)	Z (Ω)							
RMini	[Coverage Area]										97 dB at 1 m	84 at 1 m	180°	120 Hz-18 kHz	Flat	30 W (6 Ω)	P (W) 7.5 Z (Ω) 1333	15 667	30 333	Analogue	192x128x117	2 kg	EN 54-24	IP 54	
R70	[Coverage Area]										91 dB at 5 m	71 at 5 m	180°	120 Hz-18 kHz	Flat	75 W (8 Ω)	P (W) 18 Z (Ω) 556	36 278	72 139	Analogue	706x128x117	5.4 kg	EN 54-24	IP 54	
R70+	[Coverage Area]										91 dB at 5 m	71 at 5 m	180°	120 Hz-18 kHz	Flat	175 W integrated amplifier	P (W) Z (Ω)			Analogue, DANTE	706x128x117	7.0 kg	-----	IP 23	
R110	[Coverage Area]										92 dB at 8 m	72 at 5 m	180°	120 Hz-18 kHz	Flat	150 W (8 Ω)	P (W) 25 Z (Ω) 400	50 200	100 100	Analogue	1115x128x117	8.5 kg	EN 54-24	IP 54	
R110+	[Coverage Area]										92 dB at 8 m	72 at 5 m	180°	120 Hz-18 kHz	Flat	175 W integrated amplifier	P (W) Z (Ω)			Analogue, DANTE	1115x128x117	10.1 kg	-----	IP 23	
R210	[Coverage Area]										94.5 dB at 16 m	71 dB at 16 m	180°	120 Hz-18 kHz	Flat	300 W (8 Ω)	P (W) 25 Z (Ω) 400	50 200	100 50	Analogue	2086x128x117	16.4 kg	EN 54-24	IP 54	
R210+	[Coverage Area]										94.5 dB at 16 m	71 at 16 m	180°	120 Hz-18 kHz	Flat	500 W integrated amplifier	P (W) Z (Ω)			Analogue, DANTE	2086x128x117	18.0 kg	-----	IP 23	
B70	[Coverage Area]										97 dB at 2 m	71 at 5 m	180°	120 Hz-18 kHz	Narrow	75 W (8 Ω)	P (W) 18 Z (Ω) 556	36 278	72 139	Analogue	706x128x117	5.4 kg	EN 54-24	IP 54	
SA100P	[Coverage Area]										97 dB at 10 m		180°	110 Hz-19 kHz	Flat	3 channels, 150 W (8 Ω)				Analogue	1024x124x131	9 kg	-----	IP 54	
SA180P	[Coverage Area]										97 dB at 15 m		180°	110 Hz-19 kHz	Flat	3 channels, 150 W (8 Ω)				Analogue	1840x124x131	17 kg	-----	IP 54	
SA250P	[Coverage Area]										97 dB at 20 m		180°	110 Hz-19 kHz	Flat	6 channels, 150 W (8 Ω)				Analogue	2505x124x159	24 kg	-----	IP 54	
SA400P	[Coverage Area]										97 dB at 30 m		180°	110 Hz-19 kHz	Flat	6 channels, 150 W (8 Ω)				Analogue	4096x124x135	39 kg	-----	IP 54	
SA180S	[Coverage Area]										97 dB at 15 m		180°	110 Hz-19 kHz	Angled	3 channels, 150 W (8 Ω)				Analogue	1840x124x131	17 kg	-----	IP 54	
SA250S	[Coverage Area]										97 dB at 20 m		180°	110 Hz-19 kHz	Angled	6 channels, 150 W (8 Ω)				Analogue	2505x124x159	24 kg	-----	IP 54	
SA150P+	[Coverage Area]										97 dB at 10 m		180°	110 Hz-19 kHz	Flat	3 x 150 W integrated amplifier				Analogue, DANTE	1524x124x131	14 kg	-----	IP 23	
SA230P+	[Coverage Area]										97 dB at 15 m		180°	110 Hz-19 kHz	Flat	3 x 150 W integrated amplifier				Analogue, DANTE	2340x124x131	22 kg	-----	IP 23	
SA300P+	[Coverage Area]										97 dB at 20 m		180°	110 Hz-19 kHz	Flat	6 x 150 W integrated amplifier				Analogue, DANTE	3005x124x159	29 kg	-----	IP 23	
SA450P+	[Coverage Area]										97 dB at 30 m		180°	110 Hz-19 kHz	Flat	6 x 150 W integrated amplifier				Analogue, DANTE	4596x124x135	44 kg	-----	IP 23	
SA230S+	[Coverage Area]										97 dB at 15 m		180°	110 Hz-19 kHz	Angled	3 x 150 W integrated amplifier				Analogue, DANTE	2340x124x131	22 kg	-----	IP 23	
SA300S+	[Coverage Area]										97 dB at 20 m		180°	110 Hz-19 kHz	Angled	6 x 150 W integrated amplifier				Analogue, DANTE	3005x124x159	29 kg	-----	IP 23	
SB110	[Coverage Area]										119 dB at 1 m	95.5 dB at 1 m	Omni	37 Hz-200 Hz		300 W (8 Ω)	P (W) 100 Z (Ω) 100			Analogue	200x400x400	11 kg	-----	IP 23	
SB115	[Coverage Area]										142 dB at 1 m	100 dB at 1 m	Omni	40 Hz-300 Hz		1100 W (8 Ω)				Analogue	395x580x575	33 kg	-----	IP 23	
CL42TC	[Coverage Area]										99 dB at 1 m	84 dB at 1 m	180°	65 Hz-20 kHz	Flat	40 W (8 Ω)	P (W) 6.3 Z (Ω) 1588	12.5 800	25 400	Analogue	∅ = 200 mm h = 150 mm	2.1 kg	EN 54-24	IP 23	
CL62	[Coverage Area]										104 dB at 1 m	89 dB at 1 m	180°	50 Hz-20 kHz	Flat	40 W (8 Ω)	P (W) 5 Z (Ω) 2000	10 1000	20 500	40 250	Analogue	∅ = 280 mm h = 177 mm	2.9 kg	-----	IP 23

**NUT: processor**  
 8 Mic Line inputs with 48 V power supply  
 StepArray configuration  
 Equalisation, filtering and dynamics processing  
 Incorporates FEEDBACK DESTROYER, SPEECH CONFORMER, AUTOMIX



**NUT RC: Remote control**  
 Setup recall  
 Volume adjustment



**R100 SM**  
 Mounting mast for R70 and R110





Emirates Room, UN Office, Geneva (Switzerland)



Paris Charles de Gaulle Airport, Terminal 2E



SO OUEST shopping mall, Paris



Mount Carmel Church (Philippines)



International Conference Centre of Geneva



Nantes Cathedral



Gare de Lorient



Sheikh Zayed Grand Mosque (UAE)



Ecole des Notaires, Paris



Bahrain Parliament