




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.


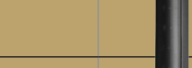
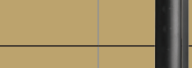


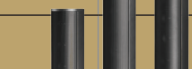




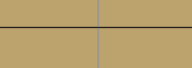
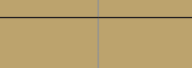
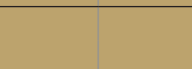










The models in the **StepArray** range are multi-channel, and use a DSP processor to adjust the steering of the installed loudspeaker. The main advantage of StepArray is that fewer amplification channels are needed due to the DGRC principle, which reduces costs and means that the electronics can be shared 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)	5	10	15	20	25	30	35	40	45	90	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
RMini											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	Analog	192x128x117	2 kg	EN 54-24 / IK08	IP 55		
R70TC											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	Analog	706x128x117	5.4 kg	EN 54-24 / IK08	IP 55		
R70+											91 dB at 5 m	71 at 5 m	180°	120 Hz-18 kHz	Flat	175 W integrated amplifier	P (W) Z (Ω)			Analog, DANTE	706x128x117	7.0 kg	-----	IP 23		
R70 PoE											91 dB at 5 m	68 at 5 m	180°	120 Hz-18 kHz	Flat	60 W PoE+ integrated amplifier	P (W) Z (Ω)			DANTE*	706x128x117	7.0 kg	-----	IP 23		
R110TC											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	Analog	1115x128x117	8.5 kg	EN 54-24 / IK08	IP 55		
R110+											92 dB at 8 m	72 at 5 m	180°	120 Hz-18 kHz	Flat	175 W integrated amplifier	P (W) Z (Ω)			Analog, DANTE	1115x128x117	10.1 kg	-----	IP 23		
R110 PoE											92 dB at 8 m	69 at 5 m	180°	120 Hz-18 kHz	Flat	60 W PoE+ integrated amplifier	P (W) Z (Ω)			DANTE*	1115x128x117	10.1 kg	-----	IP 23		
R210TC											94.5 dB at 16 m	71 at 16 m	180°	120 Hz-18 kHz	Flat	300 W (8 Ω)	P (W) 25 Z (Ω) 400	50 200	100 100	200 50	Analog	2086x128x117	16.4 kg	EN 54-24 / IK08	IP 55	
R210+											94.5 dB at 16 m	71 at 16 m	180°	120 Hz-18 kHz	Flat	500 W integrated amplifier	P (W) Z (Ω)			Analog, DANTE	2086x128x117	18.0 kg	-----	IP 23		
B70TC											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	Analog	706x128x117	5.4 kg	EN 54-24 / IK08	IP 55		
B70 PoE											97 dB at 2 m	68 at 5 m	180°	120 Hz-18 kHz	Narrow	60 W PoE+ integrated amplifier	P (W) Z (Ω)			DANTE*	706x128x117	5.4 kg	-----	IP 23		
SA100P											97 dB at 10 m		180°	110 Hz-19 kHz	Flat	3 channels, 150 W (8 Ω)				Analog	1024x124x131	9 kg	-----	IP 54		
SA180P											97 dB at 15 m		180°	110 Hz-19 kHz	Flat	3 channels, 150 W (8 Ω)				Analog	1840x124x131	17 kg	-----	IP 54		
SA250P											97 dB at 20 m		180°	110 Hz-19 kHz	Flat	6 channels, 150 W (8 Ω)				Analog	2505x124x159	24 kg	-----	IP 54		
SA400P											97 dB at 30 m		180°	110 Hz-19 kHz	Flat	6 channels, 150 W (8 Ω)				Analog	4096x124x135	39 kg	-----	IP 54		
SA180S											97 dB at 15 m		180°	110 Hz-19 kHz	Angled	3 channels, 150 W (8 Ω)				Analog	1840x124x131	17 kg	-----	IP 54		
SA250S											97 dB at 20 m		180°	110 Hz-19 kHz	Angled	6 channels, 150 W (8 Ω)				Analog	2505x124x159	24 kg	-----	IP 54		
SA150P+											97 dB at 10 m		180°	110 Hz-19 kHz	Flat	3 x 150 W integrated amplifier				Analog, DANTE	1524x124x131	14 kg	-----	IP 23		
SA230P+											97 dB at 15 m		180°	110 Hz-19 kHz	Flat	3 x 150 W integrated amplifier				Analog, DANTE	2340x124x131	22 kg	-----	IP 23		
SA300P+											97 dB at 20 m		180°	110 Hz-19 kHz	Flat	6 x 150 W integrated amplifier				Analog, DANTE	3005x124x159	29 kg	-----	IP 23		
SA450P+											97 dB at 30 m		180°	110 Hz-19 kHz	Flat	6 x 150 W integrated amplifier				Analog, DANTE	4596x124x135	44 kg	-----	IP 23		
SA230S+											97 dB at 15 m		180°	110 Hz-19 kHz	Angled	3 x 150 W integrated amplifier				Analog, DANTE	2340x124x131	22 kg	-----	IP 23		
SA300S+											97 dB at 20 m		180°	110 Hz-19 kHz	Angled	6 x 150 W integrated amplifier				Analog, DANTE	3005x124x159	29 kg	-----	IP 23		

iS110											132 dB at 1 m		Omni	45 Hz-150 Hz		500 W (8 Ω)				Analog	275x425x510	19.2 kg	-----	IP 43
iS112											137 dB at 1 m		Omni	45 Hz-150 Hz		800 W (8 Ω)				Analog	325x525x610	24.1 kg	-----	IP 43
iS115											138 dB at 1 m		Omni	42 Hz-120 Hz		900 W (8 Ω)				Analog	375x598x690	32.7 kg	-----	IP 43

CL62											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	Analog	∅ = 280 mm h = 177 mm	2.9 kg	-----	IP 23
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