

Key Features:

Compact, highly versatile enclosure
High fidelity, Impressive output for size
90 degree conical directivity
2-way passive enclosure
LF extension with M115

Applications:

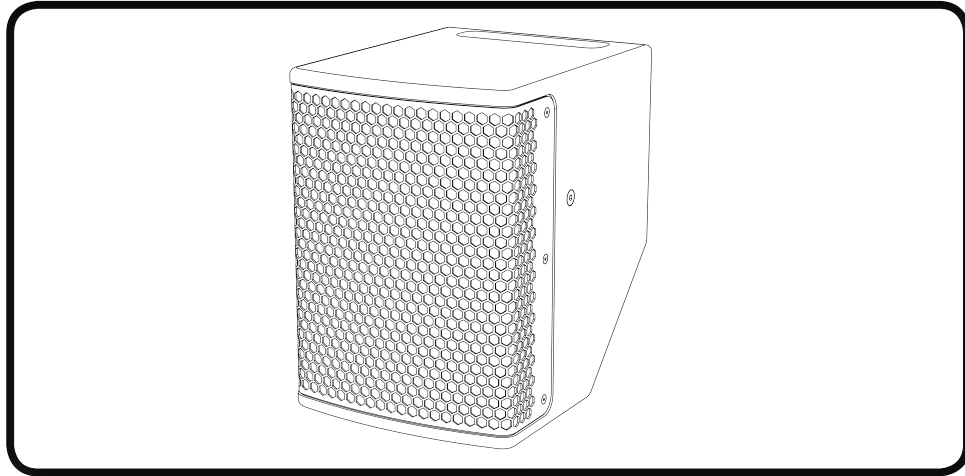
Light foreground sound reinforcement
Restaurant sound systems
Arrayed installations
Stage monitoring
Front fill

The C8 is a compact, high performance, multipurpose loudspeaker employing a premium 8" coaxial device with an integrated 2" compression driver. Its distinct enclosure design and comprehensive range of accessories make it an excellent choice for rapid deployment to almost any application, from stage monitoring, to front fills, to permanent installation.

The C8 delivers impressive SPL output, yielding highly capable sound reinforcement from a compact and versatile package. Its impressive fidelity makes it perfectly compatible with the larger C12, M12X, M15X, and LA28 loudspeaker systems.

The C8 cabinet features an impact resistant polyurethane paint finish, and an integrated handle. The loudspeaker system is available as weatherized (-X) or in white (-W) or custom colors (-C). The weatherized option provides an IP54 rating.

The optimum processed loudspeaker solution for the RMS-Acoustics C8 is the Linea Research 44M06 series and 44C06 series amplifiers, with propriety presets provided by RMS-Acoustics. All other Linea Research M series and C series amplifiers can also be used.



System Specifications:

SYSTEM::		
Frequency Range (-10dB) ^1	60 Hz - 20 kHz	Assumed 70 Hz High pass filter 0dB point taken at 1000 Hz, Processed
Frequency Response (+/-3dB)	78Hz - 18 kHz	Assumed 100 Hz High pass filter 0dB taken at 1000 Hz, Processed
System Sensitivity (1w, 1m)^2	96dB	Measured on LF band, average SPL over 300 to 1 kHz region. HF Sensitivity significantly higher
Maximum SPL Continuous (1m)	121dB	100 Hz - 18 kHz
	116dB	65 Hz - 20 kHz
Maximum SPL Peak (1m)	127dB	100 Hz - 18 kHz
	122dB	65 Hz - 20 kHz
Long Term Power Rating (IEC)^3	LF	300W, 600W, 1200W (Continuous, Pgm, Peak)
	HF	220W, 400W, 800W (Continuous, Pgm, Peak)
Long Term Power Rating (AES)^4	LF	600W (2400W Peak), 2 hrs, 400W 100Hr
	HF	110W (400W Peak), 2 hrs, 70W 100Hr
Nominal Coverage Pattern	90° Horizontal x 90° Vertical (Standard) -6dB Isophase	
System Crossover	1500 Hz with Traditional IIR, Proprietary, though around similar region FIR	
Transducer	SPKR-8-0002	Full Range Coaxial Driver, 8" Neodymium Coaxial Cone Loudspeaker
PHYSICAL:		
Input Connectors	Dual Neutrik NL4MP Connectors	
Enclosure Materials	15 and 18mm Birch Hardwood Ply 1.3mm layers	
Grille Materials	Aerospace Aluminum, Hexagonal pattern, Epoxy powder coat, Acoustically transparent black foam backing	
Finishes	Black finish (Standard) Polurethane textured spray	
	Additional Finishes available - See Options Below	
Suspension and Mounting	Proprietary internal, captive rigging	
Rigging Hardware	C8-HU	Horizontal U Bracket specific to C8, ordered separately
	WM-S	RMS-ACOUSTICS wall mount small, ordered separately
	WM-M	RMS-ACOUSTICS wall mount medium, ordered separately
Dimensions	9.25" w x 12" d x 11" h (241 mm x 305 mm x 280 mm)	
Weight	22 Lbs (10 kg) Net	
Ordering Options	C8, -B (Biampified, no crossover)	
Finish Options	-X (Weatherized), -W (White), -C (RAL Custom Color) Upcharge applies	
Optional Accessories	STAND1	Loudspeaker stand adapter 35mm
	EYEBOLT ¼-20	1/4-20 Eye Bolt Suspion Eye
	C8-HU	Horizontal U Bracket for C8

Free field, semi anechoic conditions. To compare with half space measurements, add 6dB to maximum output specifications.

1. Full Space, 4pi conditions

2. Measured Maximum SPL, based on power compression observation of 3dB

3. IEC Shaped pink noise with 6dB Crest Factor

4. AES Standard AES2-2012, one decade pink noise with 6dB Crest factor within device's applicable operating band, free air. Standard AES 2 hr rating are specific for low frequency transducers.