



# IRIS Full Range Loudspeaker



## APPLICATIONS

Hotels  
Houses of Worship  
Court Houses  
Dance Clubs  
Entertainment Venues  
Public Address System  
Delay Fill

## FEATURES

Two-Way Active  
LF Devices: (2) 5in. (127mm)  
HF Device: 1in. (25.4mm)  
Rotatable 90°H x 60°V HF  
Pearl White Finish  
4-Position Terminal Strip

## GENERAL DESCRIPTION

The Clair Brothers IRIS is a two-way active full range high output loudspeaker designed and built with those of discerning aesthetic taste in mind. Distinctive in its graceful styling, the IRIS is a beautiful, sleek trapezoidal cabinet with excellent performance.

The compact, ported cabinet delivers exceptional intelligibility for speech and music program material in a variety of permanent installations. The IRIS is ideal for near field and area fill uses. Other uses include delays, columns, stage aprons and balconies.

The IRIS has exceptional performance in a sophisticated, low profile cabinet measuring a mere 6.35" x 20.08" x 14.17". The speaker is ideal for a variety of venues including luxury hotels, theaters, houses of worship, cruise ships and auditoriums.

The IRIS is constructed of the finest Baltic birch plywood and finished in an elegant pearlescent white color. The end caps are solid bamboo, sealed with marine-grade sealant, and feature a natural wood finish.

## OPTIONS & ACCESSORIES

**IRIS-MB** – Yoke Mounting Bracket  
Custom Rigging Yokes  
Custom Colors  
Custom Bamboo End Caps



Call or e-mail Clair Brothers for more information on available options.  
(717-665-4000) e-mail: [sales@clairbrothers.com](mailto:sales@clairbrothers.com)

# IRIS Full Range Loudspeaker



## AUDIO SPECIFICATIONS

Loudspeaker Type	Two-Way Active <sup>1</sup>	
Frequency Response (+/- 2dB)	65Hz–18kHz	
Recommended Power Amplifier	800W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	95 dB SPL	
Maximum Output	Cont.	122 dB SPL
	Peak	125 dB SPL
Drivers	LF	(2) 5 in. (127.0mm)
	HF	(1) 1 in. (25.4mm)
Nominal Impedance	LF	16 Ohms
	HF	16 Ohms
Power Handling	Cont.	220W
	Peak	500W
Dispersion	Nominal -6dB	90° H x 60° V (Rotatable)
Input Connection	Standard	(1) 4-Position Terminal Strip

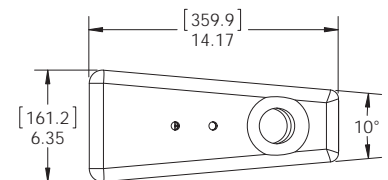
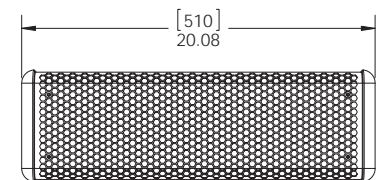
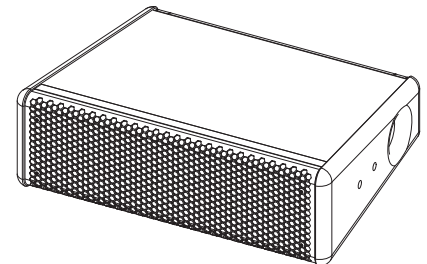
## MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm / 12mm Baltic Birch
	Finish	Pearl White Acrylic Enamel Paint over Epoxy Mastic
Grille	Perforated Steel, Fabric Backed	
Dimensions	Height	6.35 in. (161.2mm)
	Width	20.08 in. (510.0mm)
	Depth	14.17 in. (359.9mm)
Weight	23 lbs. (10.4kg)	
Shipping Weight	31 lbs. (14.1kg)	

<sup>1</sup> Passive Model is not currently available. See IRIS-II-P, if passive desired.

Note: All wattage figures are calculated using the rated nominal impedance.

Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.



### IRIS Terminal Strip Configuration

Terminal Color	Use
Black	Low (-)
Red	Low (+)
Black	High (-)
White	High (+)

## ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way active system featuring a total of three drivers. The low/mid frequency section shall consist of two (2) 5" drivers capable of handling 220 watts of pink noise with a 6 dB crest factor for 8 hours (as per EIA RS-426-A standard). The high frequency section shall consist of a 1" exit, 1" voice coil compression driver mounted on a 90°H x 60°V rotatable horn. The driver is capable of handling 80 watts (1kHz to 10kHz) of pink noise with a 6 dB crest factor for two hours (as per AES-1984 and ANSI S4.26-1984 standards). The enclosure shall be constructed with 18mm, 13-ply and 12mm, 9-ply Baltic birch and covered with a durable epoxy mastic finish. The dimensions shall be 6.35" high, 20.08" wide, and 14.17" deep. The weight shall be 23 lbs. The loudspeaker system shall be the Clair Brothers IRIS loudspeaker.

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Due to constant research, development and improvements all specifications are subject to change without notice.

