



IRIS-II Full Range Loudspeaker



APPLICATIONS

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

FEATURES

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

GENERAL DESCRIPTION

The Clair Brothers IRIS-II 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-II is a beautiful, sleek trapezoidal cabinet with excellent performance.

Integral rigging slots permit the attachment of rigging accessories for a simple and clean installation. The compact, ported cabinet delivers exceptional intelligibility for speech and music program material in a variety of permanent installations. The IRIS-II is ideal for near field and area fill uses. Other uses include delays, columns, stage aprons and balconies.

The IRIS-II has exceptional performance in a sophisticated, low profile cabinet measuring a mere 6.2" x 20.5" x 14.3".

The speaker is ideal for a variety of venues including luxury hotels, theaters, houses of worship, cruise ships and auditoriums.

The IRIS-II is constructed of the finest Baltic birch plywood and finished with a rugged exterior epoxy to withstand the most demanding conditions.

OPTIONS & ACCESSORIES

IRIS-II-P – Passive Model

IRIS-II-CT – Standard Rigging Kit (cable track)

IRIS-II-CM – Custom Rigid Rigging Assembly

Custom Rigging Yokes

Custom Colors

IRIS-II Full Range Loudspeaker



AUDIO SPECIFICATIONS

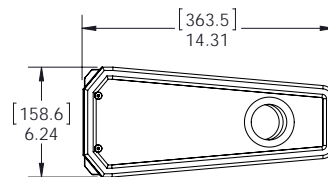
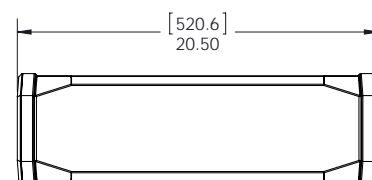
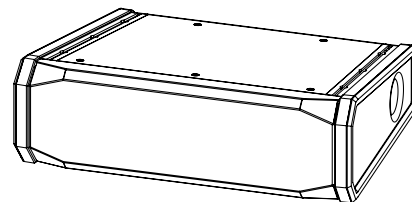
Loudspeaker Type	Two-Way Active	
Frequency Response (+/- 2dB)	65Hz–18kHz	
Recommended Power Amplifier	800W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	95 dB SPL	
Maximum Output	Cont.	122 dB SPL
	Peak	125 dB SPL
Drivers	LF	(2) 5 in. (127.0mm)
	HF	(1) 1 in. (25.4mm)
Nominal Impedance	LF	16 Ohms
	HF	16 Ohms
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	Black Epoxy Mastic
	Rigging	Integrated T-Slot Track
Grille	Perforated Steel, Fabric Backed	
Dimensions	Height	6.24 in. (158.6mm)
	Width	20.50 in. (520.6mm)
	Depth	14.31 in. (363.5mm)
Weight	Active	26 lbs. (11.8kg)
	Passive	29 lbs. (13.2kg)
Shipping Weight	Active	34 lbs. (15.4kg)
	Passive	37 lbs. (16.8kg)

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-II Terminal Strip Configuration

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

IRIS-II-P Terminal Strip Configuration

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

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way active (or passive, when specified) 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 with polyurethane top coat. The dimensions shall be 6.24" high, 20.50" wide, and 14.31" deep. The weight shall be 26 lbs. for the active version (29 lbs. for the passive version). The loudspeaker system shall be the Clair Brothers IRIS-II, or IRIS-II-P, loudspeaker.

CLAIR BROTHERS • ONE CLAIR BOULEVARD • MANHEIM, PA 17545 • 717-665-4000 • WWW.CLAIRBROTHERS.COM

CBAS20140827

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

