The R4-IV is a full range, three-way loudspeaker system that remains one of Clair Brothers most popular cabinets. The R4-IV incorporates an innovative Directional Baffle Midrange System (DBM™) that creates high intelligibility. The R4-IV has been engineered for optimal individual performance or in horizontal or vertical arrays. This touring cabinet is also ideal as an installed system for clubs, proscenium theaters, auditoriums, and amphitheaters. A single 18” transducer produces solid low end reproduction. High frequency is provided by a 2” compression driver attached to a 90ºH x 40ºV (or 60ºH x 40ºV) constant-directivity horn, which may be rotated for several coverage options. An independently loaded midrange transducer is augmented through the DBM™ system.

The DBM™ is not a conventional horn, but an extension of the conical shape of the twelve-inch midrange transducer. The R4-IV is thus able to achieve high intelligibility (“Q”) without the harshness inherent in traditional horn-loaded systems.

With the introduction of this system, the R4-IV delivers improved overall response, requiring no additional low frequency reinforcement. The result is smooth, transparent reproduction of speech and music program material.

Constructed of Baltic birch, the cabinet stands up to the requirements of any professional audio application. Notched extruded aluminum corners provide rigging and dolly caster support as well as added protection against corner abrasions.

**APPLICATIONS**
- Live Sound Reinforcement
- Performing Arts Centers
- Houses of Worship
- Stadiums/Arenas
- Cruise Ships/Dance Clubs
- Sports Facilities

**FEATURES**
- Max Output 137 dB SPL
- LF Device: 18 in. (457.2mm)
- MF Device: 12 in. (304.8mm)
- HF Device: 2 in. (50.8mm)
- Integrated Corner Cargo Track Rigging
- Rotatable 90ºH x 40ºV HF
- Epoxy Mastic Finish
- EP-8 Connector

**GENERAL DESCRIPTION**

The R4-IV is a full range, three-way loudspeaker system that remains one of Clair Brothers most popular cabinets. The R4-IV incorporates an innovative Directional Baffle Midrange System (DBM™) that creates high intelligibility. The R4-IV has been engineered for optimal individual performance or in horizontal or vertical arrays.

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**OPTIONS & ACCESSORIES**
- **DOL-R4** – (1) Pair R4 Dolly/Transport Wheels
- **R4-TB / NUNCHUCK** – Hanging Fixtures Top-Bar and Nunchuck Assemblies
- 60º H x 40º V Constant Directivity Horn
- Custom Rigging
- Custom Colors Available

Call or e-mail Clair Brothers for more information on available options. (717-665-4000) e-mail: sales@clairbrothers.com
ARCHITECT AND ENGINEER SPECIFICATIONS
The loudspeaker shall be a three-way active system featuring a total of three drivers. The bass section shall have one 18” driver capable of handling 800 watts of pink noise with a 6 dB crest factor for 8 hours (as per EIA RS-426-A standard). The midrange section shall be Clair Brothers’ Directional Baffle Midrange™ system with a 12” driver / DBM™ system capable of handling 300 watts of continuous pink noise with a 6 dB crest factor for 8 hours (as per EIA RS-426-A standard). The midrange driver shall be loaded independent of the low frequency components, occupying its own sealed cavity. The high frequency section shall have a single 2” compression driver and shall be attached to a 90°H x 40°V constant-directivity horn (with option of 60°H x 40°V horn). The driver shall be capable of handling 150 watts (1 kHz–10 kHz) of pink noise with a 6 dB crest factor for 2 hours (as per AES-1984 and ANSI S4.26-1984 standards). The crossover frequencies shall be 250 Hz and 1.6 kHz. The enclosure shall be constructed of 18mm, 13-ply Baltic birch and be covered with black epoxy mastic. The R4-IV shall also feature notched extruded aluminum corners. Dimensions shall be 47.57” high, 23.35” width, and 22.28” deep. The system weight shall be 247 lbs. (112.0kg). The loudspeaker shall be the R4-IV.

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.

R4-IV Full Range Loudspeaker

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ARCHITECT AND ENGINEER SPECIFICATIONS

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

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