



kiT15+



APPLICATIONS

Live Sound Reinforcement
Theaters
Houses of Worship
Dance Clubs
Cruise Ships
Entertainment Venues
Educational Facilities

FEATURES

kiT Rigging Corners
High Output
LF Device: 15 in (381mm)
HF Device: Exit: 2 in (50.8mm);
Voice Coil Diam. 3 in (76.2mm)
Integral Vertical Pole Mount [0° fixed]
Rotatable 90° H x 40° V HF
DSP + 3200W Amplifier
(2) XLR Connectors
(1 XLR-F In, 1 XLR-M Thru)
(2) PowerCon-20a Connectors
(1 PowerIn, 1 PowerOut)

GENERAL DESCRIPTION

kiT15+ is a full range, high output loudspeaker ideal for speech and music reproduction. The kiT15+ is one of Clair Brothers most versatile full range speakers.

Exceptional intelligibility, high output performance and durability make the kiT15+ an excellent choice for virtually any indoor or outdoor application.

The kiT15+ has been engineered for optimal individual performance or as part of a multiple cabinet system with added flexibility to mount vertically or horizontally, or on pole mount with subwoofer base. Ground stack and flown applications with companion kiT Series subwoofers are possible.

The cabinet features a custom 15" transducer and one 2" exit/3" voice coil diameter+ high frequency driver coupled to a 90° H x 40° V (or 60° H x 40° V) rotatable constant directivity horn that delivers naturally smooth uniform coverage in both near-field and medium throw applications.

The kiT15+ is powered by an integrated 2 ch. 3200W power amplifier module that includes internal DSP loudspeaker processing: Xover, EQ and Limiter. The processing is factory programmed and provides the user with the choice between four presets that are specifically designed for various applications and array configurations. High-pass filter frequency may be set per application by integrated factory presets. (See kiT+ Power

Module for detailed specifications on amplifier and dsp modules).

For a cabinet of its size the kiT15+ offers extremely efficient low-end response to 63Hz.

As with all Clair Brothers products, the kiT15+ is constructed of the finest Baltic birch and finished with a rugged polyurea coating to withstand the most demanding conditions.

The speaker grille is constructed of high grade 14 gauge perforated steel with a powder coated finish.

OPTIONS & ACCESSORIES

Rigging Accessories

kiT15-i – Non-Powered Installation Model w/ Terminal Strip only

kiT15 – Non-Powered BiAmp Model with EP-4 / Terminal Strip Connectors

RC-kiT15 – Clamshell ATA-style road case (2x) kiT15 or kiT15+

kiT-Sub – Rigging / Stacking Companion Subwoofer

kiT-Sub-mini – Rigging / Stacking Companion Compact Subwoofer

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



AUDIO SPECIFICATIONS

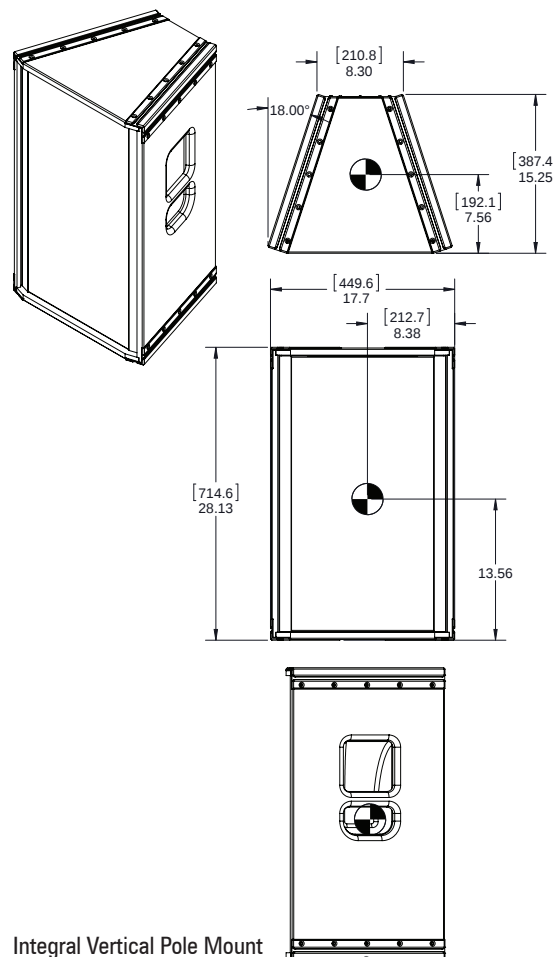
Loudspeaker Type	Mobile	Two-Way Active Self Powered
Frequency Response (+/- 2dB)		58Hz–20kHz
Integrated Power Amplifier		3200W
Sensitivity (1 Watt @ 1 Meter)	LF	99.5 dB SPL
	HF	100 dB SPL
Maximum Output	Peak	131.5 dB SPL
Drivers	LF	(1) 15 in (381mm)
	HF	(1) Exit 2.0 in (50.8mm); VC diameter 3.0 in (76.2mm)
Nominal Impedance	LF	8 Ohms
	HF	16 Ohms
Power Handling	LF	700 W Cont.
	HF	150 W Cont.
Dispersion	Standard	90° H x 40° V (Rotatable)
	Optional	60° H x 40° V (Rotatable)
Input Connections	Signal	(2) XLR Connectors (1 XLR-F In, 1 XLR-M Thru)
	Power	(2) PowerCon-20a Connectors (1 PowerIn, 1 PowerOut)

MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm, 13-Ply Baltic Birch
	Finish	Durable Polyurea Coating
Rigging		kiT Rigging Corners
Grille		Perforated Steel, Foam Backed
Dimensions	Height	28.13 in (714.6mm)
	Front Width	17.70 in (449.6mm)
	Rear Width	8.30 in (210.8mm)
	Depth	15.25 in (387.4mm)
Weight		74 lbs (33.6kg)
Shipping Weight		87 lbs (39.5kg)

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.



Integral Vertical Pole Mount

Fixed Angle 0°

Variable tilt range of 0° to +/-15° possible using accessory, (1x) Tilt Adaptor Sleeve PN10707.

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way self powered system featuring a total of two drivers. The low frequency section shall contain one 15" driver capable of handling 700 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 contain a single 2" exit compression driver with a 3" diaphragm and shall be attached to a 90° H x 40° V (Optionally 60° V x 40° H) constant-directivity 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 enclosure shall be constructed of 18mm, 13-ply Baltic birch and shall be finished with a durable polyurea coating. Dimensions shall be 28.13" high, 17.70" front width tapering 18° to 8.30" rear width, and 15.25 " deep. The total cabinet weight shall be 74 lbs (33.6kg). The loudspeaker shall be the Clair Brothers kiT15+.



MODES OF USE

