



# kiT12+



## APPLICATIONS

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

## FEATURES

kiT Rigging Corners  
High Output  
LF Device: 12in. (304.8mm)  
HF Device: Exit: 2in. (50.8mm) Voice  
Coil Diam. 3in. (76.2mm)  
Vertical Pole Mount Package  
Rotatable 90°H x 40°V HF  
DSP + 3200W Amplifier  
(2) XLRConnectors  
(1 XLR-F In, 1 XLR-M Thru)  
(2) PowerCon-20aConnectors  
(1 PowerIn, 1 PowerOut)

## GENERAL DESCRIPTION

kiT12+ is a full range, high output loudspeaker ideal for speech and music reproduction. The kiT12+ is one of Clair Brothers most versatile full range speakers.

Exceptional intelligibility, high output performance and durability make the kiT12+ an excellent choice for virtually any indoor or outdoor application.

The kiT12+ 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 12" 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 kiT12+ 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 kiT12+ offers extremely efficient low-end response to 63Hz.

As with all Clair Brothers products, the kiT12+ 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

kiT12-i – Non-Powered Installation Model w/ Terminal Strip  
kiT12 – Non-Powered BiAmp Model with EP4 / Terminal Strip Connectors  
RC-kiT12 – Clamshell ATA-style road case (2x) kiT12 or kiT12+  
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



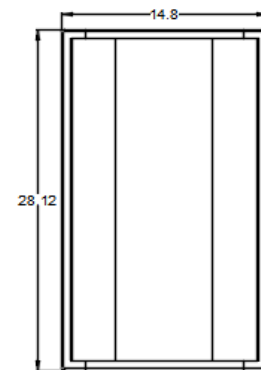
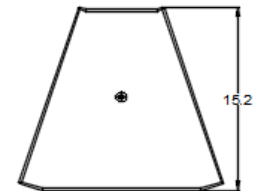
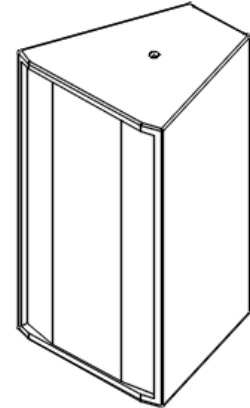
## AUDIO SPECIFICATIONS

Loudspeaker Type	Mobile	Two-Way Self Powered
Frequency Response (+/- 2dB)		63Hz-20kHz
Recommended Power Amplifier		1000-1200W @ 8 Ohms
Sensitivity (1 Watt @ 1 Meter)	LF HF	98.5 dB SPL 100 dB SPL
Maximum Output	Peak	129 dB SPL
Drivers	LF HF	(1) 12 in. (304.8mm) (1) Exit 2.0 in. (50.8mm); VC diameter 3.0 (76.2mm)
Nominal Impedance	LF HF	8 Ohms 16 Ohms
Power Handling	LF HF	500W Cont. 150W Cont.
Dispersion	Standard Optional	90° H x 40° V (Rotatable) 60° H x 40° V (Rotatable)
Input Connections	Standard Optional	(2) XLRConnectors (1 XLR-F In, 1 XLR-M Thru) (2) PowerCon-20aConnectors (1 PowerIn, 1 PowerOut)

## MECHANICAL SPECIFICATIONS

Enclosure	Shell Finish	18mm, 13-Ply Baltic Birch Durable Polyurea Coating
Rigging		kiT Rigging Slot on (4) Corners
Grille		Perforated Steel, Foam Backed
Dimensions	Height Front Width Rear Width Depth	28.12 in. (714.6mm) 14.80 in. (376mm) 7.75 in. (197mm) 15.20 in. (385mm)
Weight		62 lbs. (28.1kg)
Shipping Weight		83 lbs. (37.6kg)

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.



## 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 12" driver capable of handling 500 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 28.12" high, 14.80" front width tapering 14° to 7.75" rear width, and 15.20 " deep. The total cabinet weight shall be 62 lbs (28.1kg). The loudspeaker shall be the Clair Brothers kiT12+.