

## High Performance Home Theatre Speakers and In-Wall Subwoofers for Custom Installation



### Extreme home theatre from KEF

With unique design innovations such as our Soundlight and Motorised ceiling speakers along with cosmetic advances like our ultra-thin bezel (UTB), KEF has led the way for custom installed music solutions. Like other Ci Series models, what all such innovations have in common is the use of advanced technology to give best-in-class acoustic performance, appearance and ease of installation.

Combined with innovative engineering tailored to the practical requirements of the installer, our latest suite of Q and R Series Ci home theatre speakers and installed subwoofers sets yet another new benchmark: custom installed speaker systems with the acoustic performance of audiophile quality freestanding hi-fi speakers.

Incorporating the latest KEF technology the new home theatre speaker models utilise the innovative and multi-award winning Uni-Q driver array, derived from KEF Blade. Situated in its own enclosure, optimised for the best possible acoustic performance, the Uni-Q produces wide sound dispersion characteristics, whilst delivering an exceptionally accurate, fast and clean midrange response with excellent dynamics and power handling – perfect for install applications where space is at a premium but performance is not.

### In-Ceiling Home Theatre: Ci200RR-THX

Featuring a powerful 'sit anywhere' Uni-Q driver array from our floorstanding speaker, together with a 38mm (1.5in) vented aluminium

tweeter and 'tangerine waveguide', in a 200mm (8in) aluminium bass/mid driver, the Ci200RR-THX projects acoustically as if the sound originates from the screen. Performance is to home theatre standards, and dispersion is so wide and even that everyone in the room enjoys the same precisely defined sound imagery. Along with the KEF's unique Ultra-Thin Bezel (UTB) design offering the slimmest possible rim around the speaker, Ci200RR-THX can be gracefully integrated into any setting to achieve the minimum of visual intrusion on the interior space.

### In-Wall Home Theatre: Ci4100QL, Ci3160RL-THX, Ci5160RL-THX

The all new tall rectangular range is designed and specifically engineered for serious music and home theatre system front left, centre, right and side applications. The Ci4100QL in-wall speaker boasts a 100mm (4in) Uni-Q array with three MF drivers of the same size. For larger spaces, the R Series Ci3160RL-THX is a high output music and home theatre speaker in which a 165mm (6.5in) Uni-Q array is complemented by a pair of 165mm (6.5in) MF drivers. For the ultimate in home theatre sound, the Ci5160RL-THX extreme output speaker is built around the same sensational 165mm (6.5in) Uni-Q flanked by no less than four 165mm (6.5in) MF drivers. Both Ci3160RL-THX and Ci5160RL-THX are housed within a rigid aluminium front baffle (metal grille supplied – an optional black or white cloth grille is also available) to offer exceptional music and movie output.

## In-Wall Subwoofers

As complete systems, the range includes two superlative in-wall subwoofers, one with four compact 100mm (4in) extended response bass drivers (Ci4100QLb), the other with three powerful aluminium 165mm (6.5in) bass drivers (Ci3160RLb-THX). Not only do these two subwoofers provide a perfect visual match to our home theatre speakers, but they perfectly enhance the speakers' sonic capabilities into a true high performance discreet theatre system. Refined yet gutsy, up to two of these powerful subs can be driven by one of KEF's sophisticated 2 x 250WPC DSP controlled subwoofer amplifier; the KASA500. With both speaker and line level inputs, as well as a pass through that can be configured for full range or high pass output, this formidable amplifier is specifically engineered for the purpose, with limitless connection and integration flexibility.

With these premium additions, KEF's pioneering Ci Series range now offers a high-end home theatre speaker system for every application. All are timbre-matched for a perfectly consistent sound, so whatever combination

is specified, you enjoy accurate, spacious and richly detailed 3D sound throughout the listening area.

Fast, easy installation has always been a strength of the Ci Series. KEF's ingenious design features allow Ci speakers to be fitted quickly in a few simple steps.

## Second to none in custom installation

Of all British loudspeaker brands, only KEF has a 50-year record of innovation, pioneering the use of advanced materials and techniques like finite element analysis to redefine the state of the art. This technology leadership has always been what sets KEF's custom installed systems apart. Discreet in appearance, simple to install and engineered to last, these systems allow everyone in the room to enjoy the same flawlessly natural, totally involving sound as an audiophile quality hi-fi system.

## KEY FEATURES

### In Ceiling Speakers

#### Ci200RR-THX Two-way Uni-Q Round High Output Home Theatre and Music Speaker

- Patented Uni-Q with powerful 200mm (8in) aluminium LF, Z-Flex surround and 38mm (1.5in) vented aluminium dome HF with tangerine waveguide projects acoustically as if the sound was originating from the video screen
- Extreme power handling and output
- Ultra-Thin Bezel (UTB)
- Same cut out and outside diameter as all KEF 200mm (8in) in-ceiling speakers



Ci200RR-THX

### In-wall Subwoofers

#### Ci4100QLb In-wall Subwoofer

- 4 x 100mm (4in) extended response LF drivers
- Ultra-Thin Bezel (UTB)
- For use with KASA500 amplifier

#### Ci3160RLb-THX In-wall Subwoofer

- 3 x 165mm (6.5in) extended response aluminium bass driver derived from the KEF R Series speakers
- Solid aluminium low resonance front baffle
- For use with KASA500 amplifier
- Supplied with metal perforated grille; optional black or white cloth grille is also available



Ci4100QLb



Ci3160RLb-THX



Ci4100QL



Ci3160RL-THX



Ci5160RL-THX

### In-wall Speakers

#### Ci4100QL Two and a Half-way Uni-Q Rectangle Home Theatre and Music Speaker

- Ultra-Thin Bezel (UTB)
- Patented 100mm (4in) Uni-Q driver
- 19mm (0.8in) aluminium dome tweeter
- 3 x 100mm (4in) extended response bass driver

#### Ci3160RL-THX High Output Three-way Uni-Q Rectangle Home Theatre and Music Speaker

- Patented 165mm (6.5in) Uni-Q driver with MF cones made of rigid magnesium/aluminium constructions that reduce breakup problems.
- 25mm (1in) vented aluminium dome tweeter with 'tangerine' waveguide
- 2 x 165mm (6.5in) extended response aluminium bass driver derived from the KEF R Series speakers
- Solid aluminium low resonance front baffle
- Supplied with metal perforated grille; optional black or white cloth grille is also available

#### Ci5160RL-THX Extreme Output Three-way Uni-Q Rectangle Home Theatre and Music Speaker

- Patented 165mm (6.5in) Uni-Q driver with MF cones made of rigid magnesium/ aluminium constructions that reduce breakup problems
- 25mm (1in) vented aluminium dome tweeter with 'tangerine' waveguide
- 4 x 165mm (6.5in) extended response aluminium bass driver derived from the KEF R Series speakers
- Solid aluminium low resonance front baffle
- Supplied with metal perforated grille; optional black or white cloth grille is also available

## DSP Controlled Subwoofer Amplifier

### KASA500

#### KEF Audio System Amplifier

- Powerful Class D 250WPC x 2 amplifier designed to work with the KEF custom subwoofers
- Each KASA500 can power up to 2 KEF in-wall subwoofers
- Speaker and Line Level inputs
- Selectable DSP settings to optimise output to perfectly match KEF subwoofers
- Configurable pass-through – Full range or selectable high pass
- Music sense or 12V trigger turn on
- Upgradable firmware via USB



KASA500

## In-wall Subwoofer System Configurations

### • Very Small Room System

- KASA-500 x 1
- Ci4100QLb x 1

### • Small Room System

- KASA-500 x 1
- Ci4100QLb x 2

### • Medium Room System

- KASA-500 x 1
- Ci3160RLb-THX x 1

### • Large Room System

- KASA-500 x 1
- Ci3160RLb-THX x 2



## SPECIFICATIONS

| Model                                   | Ci200RR-THX                         | Ci4100QL                                   | Ci3160RL-THX   | Ci5160RL-THX  |
|---|-------------------------------------|--|--|---|
| Series                                  | R Series                            | Q Series                                   | R Series   | R Series  |
| Nominal impedance                       | 4Ω                                  | 4Ω   | 4Ω   | 4Ω  |
| Sensitivity (2.83V/1m)                  | 90dB                                | 89dB                                       | 90dB   | 90dB  |
| Frequency response (±6dB) open-backed   | 33Hz - 28kHz                        | 55Hz - 28kHz                               | 45Hz - 28kHz   | 40Hz - 28kHz  |
| Crossover frequency                     | 2.2kHz                              | 2.2kHz                                     | 340Hz, 2.5kHz  | 300Hz, 2.4kHz   |
| Drive units                             | LF<br>MF<br>HF                      | 200mm (8in.)<br>-<br>38mm (1.5in.) Uni-Q   | 3 x 100mm (4in.)<br>100mm (4in.)<br>19mm (0.75in.) Uni-Q | 2 x 160mm (6.5in.)<br>160mm (6.5in.)<br>25mm (1in.) Uni-Q |
| Recommended amplifier power             | 10 - 190 W                          | 10 - 150 W                                 | 30 - 180 W   | 40 - 250 W  |
| Product external dimensions (H x W x D) | Ø290 x 132.6 mm (Ø11.42 x 5.22 in.) | 490 x 128 x 81mm (19.29 x 5.04 x 3.19 in.) | 680 x 230 x 105.7 mm (26.77 x 9.06 x 4.16 in.)           | 1070 x 230 x 105.7 mm (42.13 x 9.06 x 4.16 in.)           |
| Cut-out dimensions                      | Ø238mm (Ø9.37in.)                   | 476 x 114 mm (18.74 x 4.49 in.)            | 660 x 209 mm (25.98 x 8.23 in.)                          | 1052 x 209 mm (41.42 x 8.23 in.)                          |
| Net Weight                              | 3.6kg (7.94lbs.)                    | 3kg (6.61lbs)                              | 11.7kg (25.79lbs.)                                       | 19kg (41.89lbs.)  |
| Mounting depth from surface             | 126.5mm (4.98in.)                   | 76mm (3in.)                                | 99mm (3.9in.)  | 99mm (3.9in.)   |
| Optional rough in frame                 | RIF200R                             | RIF4100L                                   | RIF3160L   | RIF5160L  |

| Model                                   | Ci4100QLb                                  | Ci3160RLb-THX                               |
|---|--|---|
| Series                                  | Q Series                                   | R Series                                    |
| Nominal impedance                       | 4Ω   | 4Ω  |
| Sensitivity (2.83V/1m)                  | 90dB                                       | 92dB  |
| Frequency response (±6dB) open-backed   | 35Hz - 120Hz                               | 20Hz - 140Hz                                |
| Drive units                             | LF   | LF  |
|   | 4 x 100mm (4in.)                           | 3 x 160mm (6.5in.)                          |
| Required amplifier                      | KEF KASA500                                | KEF KASA500                                 |
| Product external dimensions (H x W x D) | 490 x 128 x 81mm (19.29 x 5.04 x 3.19 in.) | 680 x 230 x 96 mm (26.77 x 9.06 x 3.78 in.) |
| Cut-out dimensions                      | 476 x 114 mm (18.74 x 4.49 in.)            | 660 x 209 mm (25.98 x 8.23 in.)             |
| Net Weight                              | 3kg (6.61lbs)                              | 10.9kg (24.1lbs.)                           |
| Mounting depth from surface             | 76mm (3in.)                                | 90mm (3.54in.)                              |
| Optional rough in frame                 | RIF4100L                                   | RIF3160L                                    |

Visit: <http://www.kef.com> for more about KEF and its products.

KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE. The Ci speakers that utilise THX in the model name have undergone and passed certified THX approval.