

Extreme Home Theatre

Architectural Speaker



KEF Extreme Home Theatre

KEF's mission is to deliver sound with as little intervention as possible; from treble to bass, and everything in between. We believe that the best sound is natural sound – and that access to it is a right, not a privilege. Since 1961, KEF has been 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 HiFi system.

An integrated home audio system should deliver flawlessly accurate three-dimensional sound. Whether you listen to music or watch movies, everything should be startlingly clear and breathtakingly realistic. Incorporating the signature KEF technology, our architectural speakers utilise the groundbreaking Uni-Q driver array, 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.

Setting a new standard for architectural speakers, KEF's Extreme Home Theatre pushes the boundaries of technology to bring you best-in-class acoustic performance, impeccable design and easy installation too. Hundreds of performance and quality assurance tests have been undertaken to be THX® Certified Dominus and THX® Certified Ultra, proof if it were needed of the system's ability to deliver breathtakingly realistic, completely immersive, cinematic sound, just as the director intended.

THX® Certified

Every speaker within Extreme Home Theatre range is THX® Certified. For over 35 years, THX has set the standard for the audio fidelity of entertainment experiences. THX® Certification is a globally recognized assurance of uncompromising quality, consistency and performance. It blends art, technology, and the dynamics of real world listening environments to ensure products deliver the artist's true vision.

Each THX® Certified product has gone through hundreds of performance and quality assurance tests, from output levels, frequency response, signal-to-noise ratio, distortion and off-axis performance to recreate high impact cinema sound and best-in-class audio fidelity. THX guarantees high performance and premium build quality.

Ci-Reference

Ci-Reference speakers are built to the same exacting standards as KEF's flagship The Reference range, delivering class-leading excellence without sacrificing floor space. The range consists of KEF's first ever THX[®] Certified Dominus speaker – Ci5160REFM-THX, as well as the THX[®] Certified Ultra Ci3160REFM-THX. Together with the latest technological advances including the revolutionary 12th generation Uni-Q driver array with Metamaterial Absorption Technology (MAT[™]), it delivers realistic and immersive sound with breath-taking dynamics for the most discerning music and movie lovers.



Ci5160REFM-THX Ci3160REFM-THX

Ci-R Series

For the most versatile range in Extreme Home Theatre, the formidable Ci-R Series has a good portion of acoustic capabilities that derived from KEF's flagship The Reference, together with all the technological innovations that are developed for in-wall and in-ceiling use, making high fidelity sound more accessible for home theatres in different sizes.



Ci5160RLM-THX Ci3160RLM-THX Ci3160RLb-THX Ci200RS-THX



Ci250RRM-THX Ci250RRb-THX Ci200RR-THX Ci160RR-THX

Ci-Q Series

Ci-Q Series takes cutting-edge acoustic technology from ranges including Ci-Reference and Ci-R series and delivers them to more people than ever before. Representing exceptional value, Ci-Q Series unlocks detail and depth in whatever you choose to listen to.



Ci5120QLM-THX Ci3120QLM-THX Ci4100QL-THX Ci200QSB-THX

Key Features

In-wall & In-ceiling Speakers

Ci5160REFM-THX in-wall speaker

- KEF's first THX[®] Certified Dominus speaker
- 12th generation Uni-Q driver array with a 25mm (1in.) vented aluminium dome tweeter embedded with MAT
- 4 x 160mm (6.5in.) aluminium cone bass driver
- 11mm (0.43in.) thick precision-machined aluminium baffle
- Supplied with paintable magnetic metal grille; optional black cloth grille is available

Ci3160REFM-THX in-wall speaker

- THX[®] Certified Ultra
- 12th generation Uni-Q driver array with a 25mm (1in.) vented aluminium dome tweeter embedded with MAT
- 2 x 160mm (6.5in.) aluminium cone bass driver
- 11mm (0.43in.) thick precision-machined aluminium baffle
- Supplied with paintable magnetic metal grille; optional black cloth grille is available

Ci5160RLM-THX in-wall speaker

- THX[®] Certified Ultra
- 12th generation Uni-Q driver array with a 25mm (1in.) vented aluminium dome tweeter embedded with MAT
- 4 x 160mm (6.5in.) extended response aluminium bass driver
- 5.5mm (0.22in.) thick precision-machined aluminium baffle
- Supplied with paintable magnetic grille; optional black cloth grille is available

Ci3160RLM-THX in-wall speaker

- THX[®] Certified Ultra
- 12th generation Uni-Q driver array with a 25mm (1in.) vented aluminium dome tweeter embedded with MAT
- 2 x 160mm (6.5in.) extended response aluminium bass driver
- 5.5mm (0.22in.) thick precision-machined aluminium baffle
- Supplied with paintable magnetic grille; optional black cloth grille is available

Ci250RRM-THX in-ceiling speaker

- THX[®] Certified Ultra
- KEF's first 3-way coaxial architectural speaker
- 12th generation Uni-Q driver array with MAT
- Patent-pending Cavity Radiation Control to eliminate midrange issues
- Low Diffraction LF Aperture to reduce resonance and diffraction
- Ultra-Thin Bezel (UTB)
- Supplied with paintable magnetic grille

Key Features

Ci200RS-THX in-wall & Ci200RR-THX in-ceiling speaker

- THX® Certified Ultra
- 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)
- Supplied with paintable magnetic grille

Ci160RR-THX in-ceiling speaker

- THX® Certified Ultra
- Uni-Q with a 25mm (1in.) HF tweeter mounted in the acoustic centre of the 165mm (6.5in.) LF woofer to deliver exceptionally wide dispersion and high-fidelity sound across a large listening area
- Ultra-Thin Bezel (UTB)
- Supplied with paintable magnetic grille

Ci5120QLM-THX in-wall speaker

- THX® Certified Ultra
- 12th generation Uni-Q driver array with a 19mm (0.75in.) vented aluminium dome tweeter embedded with MAT
- 4 x 120mm (4.75in.) bass drivers
- Ultra-Thin Bazel (UTB)
- Supplied with paintable magnetic grille

Ci3120QLM-THX in-wall speaker

- THX® Certified Select
- 12th generation Uni-Q driver array with a 19mm (0.75in.) vented aluminium dome tweeter embedded with MAT
- 2 x 120mm (4.75in.) bass drivers
- Ultra-Thin Bazel (UTB)
- Supplied with paintable magnetic grille

Ci4100QL-THX in-wall speaker

- THX® Certified Select
- 100mm (4in.) Uni-Q driver
- 19mm (0.75in.) aluminium dome tweeter
- 3 x 100mm (4in.) extended response bass driver
- Ultra-Thin Bezel (UTB)
- Supplied with paintable magnetic grille

Subwoofers

Ci250RRb-THX in-ceiling subwoofer

- THX® Certified Ultra/ Select
- Extra-long-throw 250mm (10in.) bass driver with a massive 150oz magnet
- For use with KASA500 amplifier
- Ultra-Thin Bezel (UTB)
- Supplied with paintable magnetic grille

Ci3160RLb-THX in-wall subwoofer

- THX® Certified Ultra/ Select
- 3 x 160mm (6.5in.) extended response aluminium bass driver
- Solid aluminium low resonance front baffle
- For use with KASA500 amplifier
- Supplied with paintable magnetic grille; optional black cloth grille is available

Ci200QSb-THX in-wall subwoofer

- THX® Certified Ultra/ Select
- 200mm (8in.) woofer unit with extended bass response
- Can be used in passive mode with internal crossover or active mode with KEF's KASA500 amplifier
- Ultra-Thin Bezel (UTB)
- Supplied with paintable magnetic grille

DSP Controlled Subwoofer Amplifier

KASA500 amplifier

- 2 x 250W Class D amplifier
- Combines with KEF Extreme Home Theater subwoofers to deliver THX Certified performance levels (dependant on configuration)
- Configurable for stereo and mono operation
- Speaker and Line Level inputs
- Selectable DSP settings to optimize output to perfectly match KEF custom installed subwoofers
- Configurable pass-through: Full range/high pass filtered and stereo/mono
- Music sense, 12V trigger and Always On mode
- Upgradable firmware via USB



KASA500

Subwoofer System Configurations

Medium Room System – THX® Certified Select (up to 2,000 cubic feet in size)

Option 1

- KASA500 x 1
- Ci250RRb-THX x 2

Option 2

- KASA500 x 1
- Ci3160RLb-THX x 2

Option 3

- KASA500 x 1
- Ci200QSb-THX x 4

Large Room System – THX® Certified Ultra (Up to 3,000 cubic feet in size)

Option 1

- KASA500 x 1
- Ci250RRb-THX x 4

Option 2

- KASA500 x 2
- Ci3160RLb-THX x 4

Option 3

- KASA500 x 2
- Ci200QSb-THX x 8

Specifications

Model		Ci5160REFM-THX	Ci3160REFM-THX	Ci5160RLM-THX	Ci3160RLM-THX	Ci5120QLM-THX	Ci3120QLM-THX
Series		Ci-Reference	Ci-Reference	Ci-R Series	Ci-R Series	Ci-Q Series	Ci-Q Series
Nominal impedance		4Ω	4Ω	4Ω	4Ω	4Ω	4Ω
Sensitivity (2.83V/1m)		92dB	89dB	89dB	89dB	89dB	89dB
Frequency response (±6dB) open-backed		40Hz - 28kHz	40Hz - 28kHz	40Hz - 28kHz	43Hz - 28kHz	45Hz - 20kHz	50Hz - 20kHz
Crossover frequency		600Hz, 3kHz	600Hz, 3kHz	680Hz, 2.6kHz	640Hz, 2.6kHz	450Hz, 2.75kHz	440Hz, 2.75kHz
Drive units	LF	4 x 160 mm (6.5 in.)	2 x 160 mm (6.5 in.)	4 x 160 mm (6.5 in.)	2 x 160 mm (6.5 in.)	4 x 120mm (4.75in.)	2 x 120mm (4.75in.)
	MF	125 mm (5.25 in.) Uni-Q	125 mm (5.25 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	160 mm (6.5 in.) Uni-Q	100mm (4in.) Uni-Q	100mm (4in.) Uni-Q
	HF	25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology ¹	25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology ¹	25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology ¹	25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology ¹	19mm (0.75in.) vented aluminium dome with Metamaterial Absorption Technology ¹	19mm (0.75in.) vented aluminium dome with Metamaterial Absorption Technology ¹
Recommended amplifier power		50 - 500 W	50 - 350 W	50 - 350 W	50 - 350 W	25 - 250 W	25 - 250 W
Product external dimensions (H x W x D)		1070 x 230 x 105.7 mm (42.13 x 9.06 x 4.16 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.)	680 x 230 x 105.7 mm (26.77 x 9.06 x 4.16 in.)	818 x 186 x 96 mm (32.2 x 7.3 x 3.8 in.)	536 x 186 x 96 mm (21.1 x 7.3 x 3.8 in.)
Net weight		21.7 kg (47.8 lbs.)	13.6 kg (29.92 lbs.)	18.7 kg (41.1 lbs)	12 kg (26.4 lbs)	9.7KG (21.4 lbs.)	6.2KG (13.7 lbs.)
Mounting depth from surface		99 mm (3.9 in.)	99 mm (3.9 in.)	99 mm (3.9 in.)	99 mm (3.9 in.)	90mm (3.6 in.)	90mm (3.6 in.)
Optional rough in frame		RIF5160L	RIF3160L	RIF5160L	RIF3160L	-	-

Model		Ci4100QL-THX	Ci200RS-THX	Ci250RRM-THX	Ci200RR-THX	Ci160RR-THX
Series		Ci-Q Series	Ci-R Series	Ci-R Series	Ci-R Series	Ci-R Series
Nominal impedance		4Ω	4Ω	8Ω	4Ω	4Ω
Sensitivity (2.83V/1m)		89dB	90dB	89dB	90dB	90dB
Frequency response (±6dB) open-backed		55Hz - 28kHz	33Hz - 28kHz	28Hz - 20kHz	33Hz - 28kHz	52Hz - 24kHz
Crossover frequency		2.2kHz	2.2kHz	540Hz - 2.6kHz	2.2kHz	2.1kHz
Drive units	LF	3 x 100 mm (4 in.)	200 mm (8 in.) Uni-Q	250 mm (10in.)	200 mm (8 in.) Uni-Q	165 mm (6.5 in.) Uni-Q
	MF	100 mm (4 in.) Uni-Q	-	100 mm (4in.) Uni-Q	-	-
	HF	19 mm (0.75 in.)	38 mm (1.5 in.)	19mm (0.75in.) vented aluminium dome with Metamaterial Absorption Technology ¹	38 mm (1.5 in.)	25 mm (1 in.)
Recommended amplifier power		10 - 150 W	10 - 190 W	50 - 250W	10 - 190 W	10 - 190 W
Product external dimensions	(H x W x D)	490 x 128 x 81 mm (19.29 x 5.04 x 3.19 in.)	273 x 273 x 132.6 mm (10.75 x 10.75 x 5.22 in.)	-	-	-
	Diameter Ø	-	-	346 mm (13.62in.)	290 mm (11.42 in.)	236 mm (9.24 in.)
	Depth	-	-	175 mm (6.89in.)	132.6 mm (5.22 in.)	115 mm (4.53 in.)
Net weight		3 kg (6.61 lbs)	3.6 kg (7.94 lbs.)	6 kg (13.2lbs)	3.6 kg (7.94 lbs.)	2.94 kg (6.48 lbs.)
Mounting depth from surface		76 mm (3 in.)	127 mm (5 in.)	168 mm (6.62 in.)	126.5 mm (4.98 in.)	110 mm (4.33 in.)
Optional rough in frame		RIF4100L	RIF200S	-	RIF200R	-

Model		Ci3160RLb-THX	Ci200QSB-THX Passive Mode (Crossover "ON")	Ci200QSB-THX Active Mode (KASA500)	Ci250RRb-THX
Series		Ci-R Series	Ci-Q Series	Ci-Q Series	Ci-R Series
Nominal impedance		4Ω	6Ω	-	-
Sensitivity (2.83V/1m)		92dB	85dB	-	-
Frequency response (±6dB) open-backed		20Hz - 140Hz	40Hz - 100Hz	30Hz - 140Hz	25Hz-KASA setting
Drive units	LF	3 x 160 mm (6.5 in.)	200 mm (8 in.)	200 mm (8 in.)	250 mm (10in.)
Required amplifier		KEF KASA500	-	KEF KASA500	KEF KASA500
Product external dimensions (H x W x D)		680 x 230 x 96 mm (26.77 x 9.06 x 3.78 in.)	273 x 273 x 106 mm (10.75 x 10.75 x 4.17 in.)	273 x 273 x 106 mm (10.75 x 10.75 x 4.17 in.)	-
Cut-out dimensions (H x W)		660 x 209 mm (25.98 x 8.23 in.)	238 x 238 mm (9.37 x 9.37 in.)	238 x 238 mm (9.37 x 9.37 in.)	-
Net weight		10.9 kg (24.1 lbs)	3.3 kg (7.28 lbs)	3.3 kg (7.28 lbs)	5.6 kg (12.3lbs)
Mounting depth from surface		88.5 mm (3.84 in.)	101.6 mm (4 in.)	101.6 mm (4 in.)	147 mm (5.8in.)
Optional rough in frame		RIF3160L	RIF200S	RIF200S	-

¹ Metamaterial Absorption Technology is a joint development with Acoustic Metamaterials Group.