

# Q SERIES



## The Answer is always in the Q

What?

The 9<sup>th</sup> iteration of the Q Series with Metamaterial Absorption Technology (MAT™) and the 12<sup>th</sup> generation Uni-Q driver array.

How?

Whether the question is about the size of the room, the budget or the application, the Q Series has the answer, with models ranging from compact bookshelf speakers and a slender on-wall speaker to powerful floorstanding and home cinema models.

Why?

The Q Series is perfect for music, TV, movies, and gaming alike. Impeccable, high-fidelity sound is more accessible than ever.



**Q Series with MAT™**  
always has the sound solution for you



## Decades of continuous improvement

For over 60 years, KEF has been redefining the audio experience, transforming the ordinary into the extraordinary. Continually raising the bar, we believe truly exceptional sound should be accessible to all.

This is the 9<sup>th</sup> iteration of the Q Series. The successors to our renowned, award-winning HiFi speaker range, the Q Series has evolved continuously since its inception in 1991. Now incorporating the revolutionary Metamaterial Absorption Technology (MAT™) and a suite of innovative acoustic technology derived from our flagship HiFi speakers, the latest developments mean high fidelity sound is more accessible than ever.

Leveraging the latest 12<sup>th</sup> generation Uni-Q driver array and cutting-edge analysis techniques, the Q Series has been carefully fine-tuned. This includes a crossover redesign that refines the signal path response for a more natural, detailed sound.

The result is a comprehensive line-up of eight speakers that can be easily tailored to your space and desired set up. Whether for stereo music or multi-channel home cinema, the Q Series offers a solution for everyone.

# REVOLUTIONARY SOUND ABSORPTION WITH MAT™



A revolutionary tool in the KEF acoustic armoury, MAT™ breaks completely new ground in speaker design. Metamaterial Absorption Technology is a highly complex maze-like structure, where each of the intricate channels efficiently absorbs a specific frequency.

When combined, the channels act as an acoustic black hole, absorbing 99% of the unwanted sound that comes from the rear of the tweeter, eliminating distortion and providing a more natural acoustic performance.

Metamaterials are specially developed structures that use existing materials in such a way that they exhibit new, desirable properties that are simply not found in naturally occurring substances.

A result of joint development with the Acoustic Metamaterials Group, using MAT breaks completely new ground in loudspeaker design, and demonstrates KEF's unrelenting passion for innovation and dedication to improving the listening experience for everyone.



"A clever way of absorbing  
unwanted sound waves."

- What Hi-Fi? Innovation of the Year 2020

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

## UNI-Q TECHNOLOGY

KEF's Uni-Q technology is the cornerstone of its signature sound, evenly dispersing audio throughout the room. By placing the tweeter at the acoustic center of the bass/midrange cone, it creates a single point source, eliminating the "sweet spot" and ensuring everyone in the room enjoys the same natural, detailed sound.

The latest 12<sup>th</sup> generation Uni-Q driver array with MAT, featured in all eight Q Series models, delivers incredibly detailed performance, enhanced by a redesign that maximises MAT's benefits.

### Flexible decoupling chassis

Derived from The Reference, the flexible decoupling chassis is incorporated to reduce vibration and colouration. It ensures that any vibrations generated by the mid and high-frequency motor system are not transmitted to the loudspeaker cabinet\*.

### Tweeter gap damper

The tweeter gap damper has been re-engineered to strategically place two rings of porous material to tame any resonances and imperfections, greatly improving detail and clarity.

### MAT tweeter absorber

A highly complex maze-like structure in which each of the intricate channels efficiently absorbs a specific frequency. The channels absorb 99% of the unwanted sound from the rear of the tweeter.

### Conical waveguide

The conical waveguide, designed specifically for the bespoke driver, connects the tweeter dome to the new metamaterial absorber, optimised for its depth.

### Tweeter dome

The stiffened aluminum tweeter dome at the center of the Uni-Q driver array consistently delivers sweet, lucid, and lyrical treble at any volume.

### Tangerine waveguide

The patented Tangerine Waveguide manages airflow to recreate a wide, natural sound field, dispersing pure high-frequency imaging throughout the room.

## DEEP AND CLEAN BASS

Sound should be felt as well as heard, and the bass is as essential to any audio experience. It creates momentum, enhances the impact and makes everything sound fuller and more resonant.

The Q Series' new bass driver design\* is a hybrid structure with a shallow, concave, aluminium skin atop a paper cone. This gives stiffness to achieve a piston-like movement for better bass punch and speed.

Combined with a 3D FEA-optimised surround geometry, linearity is significantly improved at higher excursions. This results in a precise and agile bass management even at high output.

Additionally, the flared port, modelled with computational fluid dynamics, minimises turbulence and reduces chuffing noise. The result is bass that is cleaner and more controlled.

## REFINED CROSSOVER

A key element of the Q Series is the refined crossover, which ensures seamless integration of all speaker components. KEF's engineers take over 1,000 specific measurements for each model using a custom-built microphone array in our anechoic chamber. These extensive measurements help us thoroughly understand each model's acoustics, enabling precise crossover design through advanced simulation and prototyping.

With such precise signal path optimisation the speakers deliver the best possible performance.



\*Flexible decoupling chassis and bass driver unit are available on Q11 Meta, Q7 Meta, Q Concerto Meta and Q6 Meta.

## AN EXTRA HALF WAY

The newly evolved Q Series has been upgraded from a 2.5-way to a 3-way design. This updated configuration separates the frequency ranges, with the Uni-Q driver handling the high and midrange frequencies, and a newly designed bass driver dedicated to the low frequencies management.

This optimisation of the drivers allows the 12<sup>th</sup> Uni-Q driver to perform even better. By minimising the motion of the mid-frequency cone, the tweeter can transmit high frequency sound over a smoother and more stable surface. Diminished distortion in the lower midrange frequencies also results in much better detail and clarity.



## SHADOW FLARE

Derived from the flagship models, Shadow Flare is another upgrade for the latest Q Series. Shadow Flare reduces unwanted cabinet diffraction, allowing the 12<sup>th</sup> generation Uni-Q with MAT to work at its highest potential. A precision-designed surface that extends the waveguide effect of the Uni-Q driver array, this means the tweeter no longer has a line of sight to the cabinet edges, creating a 'shadow region' where the potential for diffraction is highest, minimising the acoustic impact to negligible levels.

The improved reproduction of fine details makes listening a thrilling experience. Subtle nuances, such as the delicate brushwork on cymbals or the intricate overtones of a piano, are clearer on the Q Series.



# Perfected for your enjoyment

The Q Series comprises eight distinct models, ranging from compact bookshelf speakers to powerful floorstanders, as well as a slender on-wall speaker and high-performance home cinema speakers.

Whether installed in a spacious living room or tucked into a cosy corner, the diversity of form factors and capabilities within the Q Series allows the curation of a HiFi set up that will perfectly suit your space and listening preferences, from music to movies and gaming.







## FLOORSTANDING SPEAKERS

The duo captivating 3-way floorstanding speakers, deliver refined detail and powerful bass, breathing new life into every listening experience.



### Q11 Meta

The Q11 Meta is the flagship floorstanding model of the Q Series, designed for an unmatched immersive performance in larger rooms and home theaters.

The Q11 Meta delivers music and movies with remarkably refined detail, powerful bass, and uncompromising depth thanks to a three-way design equipped with a 12<sup>th</sup> generation Uni-Q driver array with MAT combining a 100mm (4 in) midrange driver and 19mm (0.75 in) aluminium dome tweeter, along with three 165mm (6.5 in) hybrid aluminum bass drivers.



### Q7 Meta

Also designed for impactful bass and sonic clarity, the Q7 Meta features a three-way design paired with two 165mm (6.5 in) hybrid aluminum bass drivers delivers a movie and music experience you can really feel.

The detailed and lifelike performance that the Q7 Meta delivers is due to a 12<sup>th</sup> generation Uni-Q driver array with MAT, a combination of a 100mm (4 in) midrange driver and 19mm (0.75 in) aluminium dome tweeter.

\*Optional PQ1 Plinth Spike kit is available for these speakers

## BOOKSHELF SPEAKERS

Delivering sound that far surpasses their size, this trio of compact speakers is perfectly suited to a smaller listening space, whether sitting neatly on a shelf, or on a dedicated stand.



### Q Concerto Meta

The first three-way bookshelf speaker in the Q Series, the Q Concerto Meta delivers truly expansive sound. Reborn from the classic KEF Concerto 1969, it is designed to make high-fidelity more accessible, bringing high-end professional audio performance into the home.

The Q Concerto Meta features the same drivers as the flagship Q11 Meta. The 165mm (6.5 in) bass driver delivers deep and impactful bass, while the 100mm (4 in) midrange driver and 19mm (0.75 in) aluminium dome tweeter work in the 12<sup>th</sup> generation Uni-Q array, now enhanced with MAT technology for a cleaner and highly accurate performance.



### Q3 Meta

The Q3 Meta is designed to deliver precise sound quality in a compact, stylish package. Featuring a 165 mm (6.5 in) 12<sup>th</sup> generation Uni-Q driver array MAT, enjoy music and other types of audio with pristine, high-fidelity clarity, every time. Combined with a Computational Fluid Dynamics (CDF) port, the Q3 Meta delivers audio with exceptional depth and detail.



### Q1 Meta

The compact Q1 Meta bookshelf speaker punches well above its size. A combination of a 130 mm (5.25 in) 12<sup>th</sup> generation Uni-Q driver array with MAT and Computational Fluid Dynamics (CFD) port, the Q1 Meta delivers remarkable audio performance from its modest footprint.



\*Optional SQ1 floor stand is available for these speakers; the optional B2 Wall Bracket is available for wall-mounting the Q3 Meta and Q1 Meta.



## ON-WALL SPEAKER

A sleek solution that brings high-fidelity audio and an immersive listening experience to a space without needing a footprint, on-wall speakers certainly leave more room for dancing.



### **Q4 Meta**

The first on-wall speaker in the Q Series, the high performance Q4 Meta features 12<sup>th</sup> generation Uni-Q driver array with MAT. Combining a 130 mm (5.25 in) midrange driver and 25 mm (1 in) aluminium dome tweeter, it delivers an expansive, immersive soundscape without taking up valuable floor space.

A slender speaker, the Q4 Meta is a highly versatile on-wall design that can be used as left, centre, and right (LCR) speakers, or as a surround speaker.



## HOME THEATRE

Elevate the home cinema experience by rounding out your surround sound setup, ensuring perfectly delivered detail and impeccable dialogue every time.



### Q6 Meta

Designed to seamlessly integrate with any Q Series speakers, the three-way Q6 Meta centre speaker features the same 12<sup>th</sup> generation Uni-Q driver array equipped with MAT as other stereo models. Complemented by dual 165mm (6.5") hybrid aluminum bass drivers, the Q6 Meta delivers an immersive, cinematic experience that brings on-screen details to life with precise speech and clear dialogue.

This versatile closed-box speaker is also designed to be used as an LCR (left, centre, right) speaker that can be positioned in cabinets and alcoves.



### Q8 Meta

It's as if you've developed super senses. Hear everything from every direction with the addition of surround sound. The Q8 Meta brings Dolby Atmos to the room with no need of custom installation and can be placed on top of another speaker to bounce sound off the ceiling. The 130 mm (5.25 in) 12<sup>th</sup> generation Uni-Q driver array with MAT creates a high-fidelity 3D soundscape.

Designed for ultimate flexibility, the Q8 Meta can be used as a surround or rear speaker with the integrated wall mount feature.

## FINISHES

The Q Series speakers are designed to blend effortlessly into any interior. A contemporary minimalist design features a satin finish with a premium, subtle glow the Series is available in Satin Black, Satin White, and Walnut finishes.

Dedicated grilles are included with the speakers, providing the option to protect the drivers if needed. These colour-matched grilles maintain the cohesive aesthetic, while the magnetic fixing provides a secure and precise fit, in keeping with the Q Series' clean and seamless styling.



**Satin Black**



**Satin White**



**Walnut**

# SPECIFICATIONS



Model	Q11 Meta	Q7 Meta
Design	Three-way bass reflex	Three-way bass reflex
Drive units	Uni-Q Driver Array: HF: 19 mm (0.75 in.) vented aluminium dome with MAT MF: 100 mm (4 in.) aluminium cone LF: 3 x 165 mm (6.5 in.) hybrid aluminium cone	Uni-Q Driver Array: HF: 19 mm (0.75 in.) vented aluminium dome with MAT MF: 100 mm (4 in.) aluminium cone LF: 2 x 165 mm (6.5 in.) hybrid aluminium cone
Frequency range (-6dB)	37 Hz - 20 kHz	39 Hz - 20 kHz
Typical in-room bass response (-6dB)	26 Hz	28 Hz
Frequency response (±3dB)	44 Hz - 20 kHz	46 Hz - 20 kHz
Crossover frequency	480 Hz, 2.7 kHz	440 Hz, 2.3 kHz
Amplifier requirement	15 - 225 W	15 - 200 W
Sensitivity (2.83V/1m)	89 dB	87 dB
Harmonic distortion (90dB, 1m)	<2% 29 Hz and above <1% 31 Hz - 20 kHz	<2% 35 Hz and above <1% 38 Hz - 20 kHz
Maximum output	113 dB	110 dB
Impedance	4 Ω (min. 3.2 Ω)	4 Ω (min. 3.2 Ω)
Weight *	22.5 kg (49.6 lbs.)	18.4 kg (40.6 lbs.)
Dimensions (H x W x D) with terminal *	1061 x 210 x 380 mm (41.8 x 8.3 x 15.0 in.)	950 x 210 x 315 mm (37.4 x 8.3 x 12.4 in.)
Dimensions (H x W x D) with terminal & plinth *	1112 x 317 x 380 mm (43.8 x 12.5 x 15.0 in.)	1001 x 317 x 315 mm (39.4 x 12.5 x 12.4 in.)
Finishes	Satin Black / Satin White / Walnut	Satin Black / Satin White / Walnut



Model	Q Concerto Meta	Q3 Meta	Q1 Meta
Design	Three-way bass reflex	Two-way bass reflex	Two-way bass reflex
Drive units	Uni-Q Driver Array: HF: 19 mm (0.75 in.) vented aluminium dome with MAT MF: 100 mm (4 in.) aluminium cone LF: 165 mm (6.5 in.) hybrid aluminium cone	Uni-Q Driver Array: HF: 25 mm (1 in.) vented aluminium dome with MAT LF/MF: 165 mm (6.5 in.) aluminium cone	Uni-Q Driver Array: HF: 25 mm (1 in.) vented aluminium dome with MAT LF/MF: 130 mm (5.25 in.) aluminium cone
Frequency range (-6dB)	40 Hz - 20 kHz	42 Hz - 20 kHz	47 Hz - 20 kHz
Typical in-room bass response (-6dB)	36 Hz	39 Hz	42 Hz
Frequency response (±3dB)	48 Hz - 20 kHz	49 Hz - 20 kHz	51 Hz - 20 kHz
Crossover frequency	430 Hz, 2.9 kHz	2.0 kHz	2.1 kHz
Amplifier requirement	15 - 180 W	15 - 150 W	10 - 150 W
Sensitivity (2.83V/1m)	85 dB	87 dB	86 dB
Harmonic distortion (90dB, 1m)	<2% 37 Hz and above <1% 91 Hz - 20 kHz	<2% 110 Hz and above <1% 135 Hz - 20 kHz	<2% 140 Hz and above <1% 170 Hz - 20 kHz
Maximum output	108 dB	109 dB	108 dB
Impedance	4 Ω (min. 3.2 Ω)	4 Ω (min. 3.2 Ω)	4 Ω (min. 3.2 Ω)
Weight *	9.5 kg (20.9 lbs.)	8.2 kg (18.1 lbs.)	6.1 kg (13.4 lbs.)
Dimensions (H x W x D) with terminal *	415 x 210 x 315 mm (16.3 x 8.3 x 12.4 in.)	357 x 210 x 305 mm (14.1 x 8.3 x 12.0 in.)	302 x 180 x 277 mm (11.9 x 7.1 x 10.9 in.)
Dimensions (H x W x D) with terminal & plinth *	-	-	-
Finishes	Satin Black / Satin White / Walnut	Satin Black / Satin White / Walnut	Satin Black / Satin White / Walnut



Model	Q6 Meta	Q8 Meta	Q4 Meta
Design	Three-way closed box	Two-way closed box	Two-way bass reflex
Drive units	Uni-Q Driver Array: HF: 19 mm (0.75 in.) vented aluminium dome with MAT MF: 100 mm (4 in.) aluminium cone LF: 2 x 165 mm (6.5 in.) hybrid aluminium cone	Uni-Q Driver Array: HF: 25 mm (1 in.) vented aluminium dome with MAT MF/LF: 130 mm (5.25 in.) aluminium cone	Uni-Q Driver Array: HF: 25 mm (1 in.) vented aluminium dome with MAT MF/LF: 130 mm (5.25 in.) aluminium cone
Frequency range (-6dB)	52 Hz - 20 kHz	96 Hz - 20 kHz	52 Hz - 20 kHz
Typical in-room bass response (-6dB)	36 Hz	90 Hz	44 Hz
Frequency response (±3dB)	63 Hz - 20 kHz	105 Hz - 20 kHz	65 Hz - 20 kHz
Crossover frequency	560 Hz, 2.7 kHz	2.7 kHz	1.8 kHz
Amplifier requirement	15 - 200 W	10 - 150 W	10 - 150 W
Sensitivity (2.83V/1m)	86 dB	86 dB	86 dB
Harmonic distortion (90dB, 1m)	<2% 20 Hz and above <1% 68 Hz - 20 kHz	<2% 145 Hz and above <1% 170 Hz - 20 kHz	<2% 145 Hz and above <1% 170 Hz - 20 kHz
Maximum output	109 dB	109 dB	108 dB
Impedance	4 Ω (min. 3.2 Ω)	4 Ω (min. 3.2 Ω)	4 Ω (min. 3.2 Ω)
Weight *	14.1 kg (31.1 lbs.)	4.5 kg (9.9 lbs.)	5.7 kg (12.6 lbs.)
Dimensions (H x W x D) with terminal *	210 x 629 x 303 mm (8.3 x 24.8 x 11.9 in.)	176 x 180 x 259 mm (6.9 x 7.1 x 10.2 in.)	400 x 250 x 142 mm (15.7 x 9.8 x 5.6 in.)
Finishes	Satin Black / Satin White / Walnut	Satin Black / Satin White / Walnut	Satin Black / Satin White / Walnut



Model	SQ1 Floor Stand	B2 Wall Bracket	PQ1 Plinth and Spike Kit
Weight	3.25 kg (7.2 lb) per stand	Bracket: 0.33 kg (0.7 lbs.) /piece Rubber: 32 g (0.07 lbs.) /piece	386g (0.85 lb) per set
Dimensions (H x W x D) with terminal *	615 x 260 x 350 mm (24.2 x 10.2 x 13.8 in.)	Bracket: H39 x W148 x D28 mm (1.5 x 5.8 x 1.1 in.) /piece Rubber: H20 x W60 x D26 mm (0.8 x 2.4 x 1 in.) /piece	-
Colour	Slate Grey / Mineral White	Black	Black

\* Measurement per unit

KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.



# EXPERIENCE Q SERIES

Experience the Q Series' room-filling, enveloping sound for yourself and unlock a transformative new level of audio immersion.

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