



Since 1961, KEF has led the way in acoustic innovation, continuously pushing boundaries to deliver authentic sound that honors the artist's true intentions. LS LUXE, a wireless HiFi speaker system, embodies this commitment. Equipped with the latest KEF technologies, its state-of-the-art features include the Uni-Q® driver array with Metamaterial Absorption Technology (MAT®), Velocity Control Technology (VECO), and the Music Integrity Engine® (MIE), all working in harmony to deliver breathtaking, immersive sound that transforms any listening environment.

Designed by acclaimed industrial designer Ross Lovegrove, LS LUXE boasts a sculptural, distinctive visual identity akin to other products in the Ross Lovegrove collection. It redefines luxury in home audio, exemplifying a fusion of high-end acoustic performance, refined aesthetics, and user-centric innovation, tailored for discerning customers who value exceptional craftsmanship and cutting-edge technology.

Designed by Ross Lovegrove

Renowned for his innovative approach and flowing, sculptural forms, Ross Lovegrove brings a new dimension to sound. Through design that embraces both beauty and technological ingenuity, Lovegrove's ongoing collaboration with KEF is an exercise in aesthetic and engineering excellence. In LS LUXE, acoustics serve as the blueprint for design, shaping the form directly from sound principles. This design evolves beyond the LS Wireless Collection into a sculptural art piece, featuring organic forms and complementary geometries that create a distinctive, iconic presence – visually intelligent, elegant, and timeless.

LS LUXE is available in three colourways: Eclipse Black, Dusk Titanium, and Mineral White.

Advanced technology for unmatched acoustic performance

At the heart of LS LUXE sits a 12th generation 6.5-inch Uni-Q® driver array with MAT®. This signature technology delivers a true point-source configuration, with the tweeter precisely placed at the acoustic centre of the woofer, ensuring uniform sound dispersion throughout the room. At the same time, the MAT® functions as an acoustic black hole, absorbing 99% of the unwanted sound energy from the tweeter's rear radiation. This reduces interference and results in a cleaner, purer sound.

The Uni-Q® assembly is mechanically decoupled from cabinet to minimise panel vibrations that could otherwise generate audible distortion. Incorporated within the Uni-Q® assembly is a bespoke flexible decoupling chassis arrangement that decouples and dampens the vibrations of the LMF motor, preventing them from exciting the cabinet panels.

Together, these innovations and refinements deliver an exceptionally wide sweet spot, uncannily natural sound with vanishingly low distortion.

Velocity Control Technology (VECO), KEF's sound correction technology first introduced in the XIO soundbar, is now featured in the LS LUXE. VECO utilises a closed-loop feedback amplification system, combining KEF's patented velocity sensor and a custom current-drive amplification stage within both primary and secondary speakers. The velocity sensor measures the real-time cone motion, feeding this data to the amplifier, which instantly corrects any discrepancies between the input signal and the cone's motion. This real-time monitoring and negative feedback loop ensures that the signal reaching the driver's voice coil includes both the intended musical signal and necessary corrections, significantly reducing distortion and compression. The result is pristine clarity and a more linear, accurate bass performance at all times.

To further refine performance, KEF's MIE – a proprietary suite of DSP algorithms – has been specially tuned for the LS LUXE, enhancing sound integrity, detail, and accuracy. This custom implementation is tailored specifically to suit the LS LUXE's acoustic and electronics package, providing excellent dynamic control that ensures consistent tonality regardless of playback level or duration.

Summary of features

- Designed by acclaimed industrial designer Ross Lovegrove
- 12th generation 6.5-inch Uni-Q® with MAT® for exceptional acoustic accuracy
- Metamaterial Absorption Technology (MAT®) for pure, natural sound
- Velocity Control Technology (VECO) delivers clean, undistorted bass
- Music Integrity Engine (MIE) for remarkable integrity, detail, and accuracy of sound
- Current-drive amplifier directly controls the motion of the cone for a lower distortion and cleaner sound
- System power: LMF 280W class D, HF 100W class A/B, Max. SPL: 110dB
- Smooth, low-diffraction rounded cabinet design for best acoustic performance
- Extremely durable cabinet material for maximum acoustic volume in its size
- Play all major music services and supports all major audio formats
- Wireless both from source and between the speakers
- Multiroom streaming via AirPlay & Google Cast
- Comprehensive applications and connectivity with HDMI eARC, analogue, optical and coaxial inputs
- Dedicated subwoofer outputs on both primary and secondary speakers
- Personalised listening experience via KEF Connect App
- Available in 3 finishes: Eclipse Black, Dusk Titanium, Mineral White
- Compatible with S-LUXE floor stands, K-Stream cable, and KW1 wireless subwoofer adapter kit (available as separate items)



LS LUXE features a highly optimised package of 100W Class AB and 280W Class D current-drive amplifiers in each speaker, which directly controls the cone's motion by regulating the current delivered to the primary voice coils of the tweeter and the LMF drivers, respectively. This design results in lower distortion and a cleaner sound.

Performance by design

LS LUXE features a cabinet constructed from a highly durable and solid material that reduces the need for internal bracing, maximising acoustic volume in a compact form. Its smooth, low-diffraction rounded cabinet design further optimises the acoustic performance, ensuring an exceptional listening experience.

Connect quickly, stream smoothly

LS LUXE utilises the class-leading W2 Wireless Platform that drives the LS Wireless Collection, offering seamless access to a variety of music services, including Tidal, Amazon Music, Qobuz, Deezer and more. You can also stream directly from native apps like Spotify Connect, Tidal Connect, Qobuz Connect, and QPlay, ensuring full fidelity in your listening experience. When using Airplay or Google Cast, you can stream to multiple speakers, so you can play music all over your space.

LS LUXE includes wired connections for your TV, CD player, and game console, featuring HDMI eARC, analog, optical, and coaxial inputs. Each of the two speakers also has a dedicated output for adding one or two KEF subwoofers. Additionally, LS LUXE supports both wired and wireless interspeaker connections, allowing for flexible placement. It can play your personal music collection from a compatible NAS drive or music server. Audiophiles will appreciate the extensive file support, accommodating lossless formats up to 24bit/384kHz (PCM) and DSD.

Complete control made simple

The KEF Connect app walks you through the set-up and controls the system and playback navigation, with intuitive sound settings so you can adjust LS LUXE to best suit your room. With its Room EQ DSP, LS LUXE can be fine-tuned to your room and personal taste without the need for a degree in acoustic engineering. 'Normal mode' is designed to talk you through the process with easy questions - all you might need is a tape measure. For those seeking greater control, 'Expert mode' allows you to configure EQ preferences with precision, enabling fine-tuning of the EQ in dBs for expert users. For easy integration of a KEF subwoofer with LS LUXE, Room EQ includes subwoofer pre-sets for the best possible system performance.

LS LUXE also comes with a host of other user-friendly features including volume settings, sensitivity adjustments, the ability to select a source to wake it up when it comes on, and more.

Take your setup to the next level

LS LUXE is complemented by a range of optional accessories. The specially designed S-LUXE floor stands feature a cable management system that conceals wires and an integrated mounting system for secure speaker attachment, creating an optimal platform for performance. The K-Stream interspeaker cable ensures high-resolution data transfer between the primary and secondary speakers. At 8 metres long, it offers enhanced flexibility for placement compared to the standard interspeaker cable. Additionally, the KW1 wireless subwoofer adapter kit allows for seamless connections between KEF subwoofers and the LS LUXE, eliminating the need for cables and enhancing the audio experience.

In the box

- LS LUXE
- Power cords
- Interspeaker cable
- HDMI cable
- Remote control
- AAA batteries
- Quick Start Guide, warranty and safety information





Eclipse Black Dusk Titanium Mineral White

Specifications

Model	LS LUXE	
Drive units	Uni-Q® driver array: HF: 25 mm (1 in.) vented aluminium dome with MAT [#] LF/MF: 165 mm (6.5 in.) aluminium cone	
Frequency range (-6dB) measured at 85dB/1m	35 Hz - 47 kHz *Depends on EQ settings	
Frequency response (±3dB) measured at 85dB/1m	42 Hz - 28 kHz *Depends on EQ settings	
Amplifier output power (per speaker)	LF: 280 W HF: 100 W	
Amplifier class (per speaker)	LF: Class D HF: Class AB	
Max SPL measured at 1m	110 dB	
Wireless streaming features	AirPlay Google Chromecast Roon Ready (Expected release in 2027) UPnP Compatible Bluetooth 5.3 Plays with Audirvāna	
Streaming services	Spotify via Spotify Connect Tidal via Tidal Connect Qobuz via Qobuz Connect Amazon Music Deezer QQ Music via QPlay Internet Radio Podcast *Depends on services availability in different countries	
Source resolution	Network up to 384 kHz/24 bit Optical up to 96 kHz/24 bit Coaxial up to 192 kHz/24 bit HDMI eARC up to 192 kHz/24 bit *Depends on source resolution	
Interspeaker connection	Wireless: all sources resampled to 96 kHz/24 bit PCM Wired: all sources resampled to 192 kHz/24 bit PCM	
Supported format (network)	DSD, FLAC, WAV, AIFF, ALAC, AAC, WMA, MP3, M4A, LPCM and Ogg Vorbis	
Dimensions (HWD per speaker)	336 × 223 × 298 mm (13.2 × 8.8 × 11.7 in.)	
Weight (per set)	20 kg (44.1 lbs)	
Power input	100 – 240VAC 50/60Hz 200W	
Power consumption	200 W (operating power) <2.0 W (standby power)	

	Primary speaker	Secondary speaker
Inputs	HDMI eARC TOSLINK Optical Digital Coaxial Analog 3.5 mm Auxiliary RJ45 Ethernet (network) RJ45 Ethernet (interspeaker)	RJ45 Ethernet (interspeaker)
Output	RCA Subwoofer output USB Type C (charge out 5V/2A max.)	RCA Subwoofer output
Wi-Fi network standard	IEEE 802.11a/b/g/n/ac/ax IPv4, IPv6	-
Wi-Fi network frequency band	Dual-band 2.4 GHz / 5 GHz	-

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

[#]MAT[®] (Metamaterial Absorption Technology) is a joint development with Acoustics Metamaterials Group.

07.2026 | LS LUXE