



OBSESSED WITH HIGH RESOLUTION

## LS50 Wireless

LS50 Wireless is a complete, fully active music system designed to give you the absolute best digital music listening experience. Sharing the exact same acoustic features and performance as our renowned, award-winning LS50 passive speakers, the LS50 Wireless system lets you enjoy a level of sound quality previously only available in systems comprised of separate components costing hundreds, if not thousands of dollars more.

### The LS50 legacy

All of the acoustic features and innovations that set the LS50 apart from every other speaker in its class remain. The FEA-designed cabinet with its constrained layer damping bracing and precision engineered curved baffle, the Uni-Q driver and the elliptical flexible port all work in concert to prevent cabinet vibration and resonances that produce unwanted sound coloration – putting you that much closer to how your favorite music was intended to sound.

### A complete, fully active system

The LS50 Wireless features an end-to-end 192kHz/24-bit high-resolution digital signal path, a streaming pre-amplifier, and two separate DACs for each channel, for a total of four. Powered in the analogue stage by an incredibly fast and clean 230 Watts per channel in a bi-amp dual mono configuration, the LS50 Wireless is a complete, high-fidelity music system that will cost you far less than you'd spend putting together the separate components necessary to match the performance of the LS50 Wireless.

LS50 Wireless gives you all of the connectivity options you'll need to get the most out of your music, including 2.4GHz/5GHz Dual-band Wi-Fi, Bluetooth 4.0 aptX, Asynchronous USB Type B, TOSLINK Optical, and RCA-type line-level analogue inputs. A dedicated LS50 Wireless app (available for iOS and Android) easily facilitates network setup, music streaming, playback and DSP control.

### Uni-Q sound taken to the next level

To get the most out of your music, every note should arrive at your ears at exactly the right time. Before KEF perfected our Uni-Q technology, this perfect time alignment could only be experienced in a small 'sweet spot,' leaving listeners outside of the 'sweet spot' with a less than ideal listening experience. Uni-Q changed that, opening up the optimum listening space to practically every spot in your room. The LS50 Wireless employs an advanced time correcting DSP crossover which takes that awesome achievement to the next level by correcting for inherent time delays introduced in the crossover stage. Amazing sound dispersion matched only by a live music performance is now attainable in virtually every room. This incredible achievement cannot be reproduced by any other active speaker.



Titanium Grey/Red



Gloss Black/Blue



Gloss White/Copper



## Features:

- LS50 acoustic design: featuring 5.25" Uni-Q driver, FEA designed cabinet, Constrained Layer Damping Bracing, Elliptical Flexible Port
- KEF's dedicated time correcting Digital Signal Processing (DSP) design
- Three levels of customizable EQ settings
- 192kHz/24bit high-resolution DAC decoding on each speaker
- 2.4GHz/5GHz Dual-band Wi-Fi connectivity
- Bluetooth 4.0 with aptX codec
- Asynchronous USB connection
- Digital input (TOSLINK)
- L&R RCA Analogue inputs
- Subwoofer output – controllable from iOS or Android app
- Dedicated apps for iOS and Android
- Touch-sensitive control panel with clear backlit display of inputs
- Available in Titanium Grey/Red, Gloss Black/Blue, Gloss White/Copper finishes, each with color-matched remote control

## Specifications

Model	LS50 Wireless
Drive units	Uni-Q driver array: HF: 25mm (1in.) vented aluminium dome LF/MF: 130mm (5.25in.) magnesium/aluminium alloy
Frequency Range (-6dB) Measured at 85dB/1m	40Hz – 47kHz (More bass extension) 43Hz – 47kHz (Standard) 46Hz – 47kHz (Less bass extension) Depending on speaker settings
Frequency Response (±3dB) Measured at 85dB/1m	45Hz – 28kHz (More bass extension) 50Hz – 28kHz (Standard) 61Hz – 28kHz (Less bass extension) Depending on speaker settings
Max Output (SPL)	106dB
Amplifier Output Power	LF: 200W HF: 30W
Inputs	2.4GHz/5GHz Dual-band Wi-Fi network Bluetooth 4.0 with aptX® codec USB Type B TOSLINK Optical RCA Analog Line Level Input 10/100 Mbps RJ45 Ethernet (For network and service)
Output	Subwoofer output
Resolution	Up to 24bit Depending on source resolution
Sampling Rate	Up to 192kHz (USB Type B) Up to 96kHz (TOSLINK Optical) Depending on source resolution
Wi-Fi Network Standard	IEEE 802.11a/b/g/n
Wi-Fi Network Frequency Band	Dual-band 2.4GHz/ 5 GHz
Bluetooth Range	10m
Bluetooth Memory	8 devices
Dimension (H x W x D)	300 x 200 x 308mm (11.8 x 7.9 x 12.1in.)
Weight	Left Speaker 10.0kg (22.0lbs.) Right Speaker 10.2kg (22.5lbs.)
Power Input	100 – 240VAC 50/60Hz

## In the box

- LS50 Wireless  
(Right: Master speaker; Left: Slave speaker)
- 2m Power cord x 2
- 3m Cat-6 Inter-speaker cable x 1
- 2m USB cable x 1
- 1m LAN cable x 1
- Remote Control x 1
- Quick Start Guide
- Safety and Warranty

