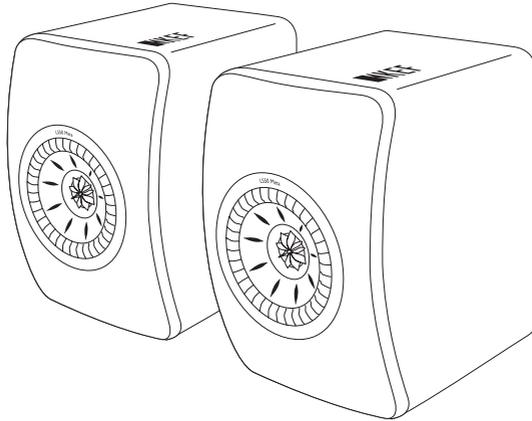




LS50 Meta



User Manual

Introduction

(FRA) Introduction (DEU) Einleitung (ITA) Introduzione (SPA) Introducción (POR) Introdução (NLD) Inleiding (DAN) Introduktion (POL) Wstęp (RUS) Введение (ELL) Εισαγωγή (JPN) はじめに (CHI-S) 简介 (CHI-T) 簡介 (KOR) 제품 소개

ENG Thank you for purchasing LS50 Meta. We are confident that it will provide reliable, high performance sound for many years to come. Please read this manual fully before you attempt any connections to LS50 Meta.

FRA Nous vous remercions de la confiance que vous témoignez à KEF. Le LS50 Meta a été élaboré avec tout le soin nécessaire et vous procurera de longues années de plaisir sonore et musical. Veuillez lire attentivement le mode d'emploi avant de connecter le LS50 Meta afin de l'utiliser au maximum de ses possibilités et d'éviter tout problème.

DEU Herzlichen Glückwunsch zum Kauf der LS50 Meta. Mit diesen modernen Lautsprechern werden Sie viele Jahre Musik der Spitzenklasse genießen können. Bitte lesen Sie die Betriebsanleitung komplett durch bevor Sie die LS50 Meta in Betrieb nehmen.

ITA Grazie per aver acquistato il sistema LS50 Meta. Siamo certi che vi soddisferà pienamente per molti anni a venire. Leggete attentamente questo manuale prima di eseguire i collegamenti.

SPA Gracias por adquirir el modelo LS50 Meta. Un producto de calidad excepcional capaz de garantizar un sonido de alta calidad por muchos años. Por favor lea atentamente este manual antes de seguir adelante con las conexiones del LS50 Meta.

POR Muito obrigada por ter adquirido o LS50 Meta. Estamos confiantes que ele lhe irá oferecer, por muitos anos, um som de elevada performance, de confiança e de excelente qualidade. Leia por favor, com atenção, este manual antes de efectuar quaisquer ligações ao LS50 Meta.

NLD Hartelijk dank voor aanschaf van de LS50 Meta. Wij vertrouwen erop dat deze combinatie u jarenlang hoogwaardig luisterplezier zal blijven bieden. Lees alstublieft eerst deze handleiding alvorens de LS50 Meta aan te sluiten.

DAN Tak for dit køb af LS50 Meta. Vi er overbeviste om, at den vil give dig en højkvalitativ og musikalsk ydelse i mange år frem i tiden. Læs denne manual grundigt før du tilslutter og anvender din LS50 Meta, så får du optimalt udbytte af din investering.

POL Dziękujemy za zakup serii LS50 Meta. Gwarantujemy, że zapewni ona niezawodny, wysokiej klasy dźwięk na wiele lat. Prosimy dokładnie zapoznać się z niniejszą instrukcją przed rozpoczęciem podłączania elementów serii LS50 Meta.

RUS Благодарим вас за приобретение комплекта акустики LS50 Meta. Мы уверены, что ваш сабвуфер LS50 Meta обеспечит высококачественное звучание вашей системы на многие годы.

ELL Σας ευχαριστούμε για την αγορά των ηχείων της σειράς LS50 Meta. Είμαστε βέβαιοι ότι θα σας προσφέρουν αξιόπιστη και υψηλή απόδοση ήχου για πολλά χρόνια. Διαβάστε αυτό το εγχειρίδιο πριν να επιχειρήσετε οποιοδήποτε σύνδεση των ηχείων της σειράς LS50 Meta.

JPN LS50 Meta をお買い上げ有難うございます。ご使用前に必ず本取説をお読みください。

CHI-S 谢谢购买本公司的 LS50 Meta 扬声器。我们向您保证经久耐用的 LS50 Meta 以其出色的演绎在未来数年里给您带来超值享受。请在连接本扬声器前仔细阅读本手册。

CHI-T 謝謝購買本公司的 LS50 Meta 揚聲器。我們向您保證經久耐用的 LS50 Meta 以其出色的演繹在未來數年裡給您帶來超值享受。請在連接本揚聲器前仔細閱讀本手冊。

KOR KEF 파워 서브우퍼 LS50 Meta 를 구입해 주셔서 감사합니다. LS50 Meta 는 앞으로도 오랫동안 안정적이고 성능이 뛰어난 사운드를 유지할 것입니다. LS50 Meta 를 연결하기 전에 본 설명서를 자세히 읽어주십시오.

For product registration, please visit
<https://kef.world/ls50metareg>



Important Points

(FRA) Points importants (DEU) Wichtige Punkte (ITA) Punti importanti (SPA) Puntos importantes (POR) Pontos importantes (NLD) Belangrijke aandachtspunten (DAN) Vigtige punkter (POL) **Ważne instrukcje bezpieczeństwa** (RUS) **Важные меры предосторожности** (ELL) **Σημαντικές Οδηγίες Ασφαλείας** (JPN) **重要安全項目** (CHI-S) **重要安全事項** (CHI-T) **重要安全事項** (KOR) **중요한 안전 지침**

- ENG**
- Follow this manual carefully for best results from your speakers
 - Read and return warranty card
 - Clean with a dry lint free cloth
 - Do not use spirit based cleaners.
 - Avoid damp
 - Avoid temperature extremes
 - Avoid direct sunlight
 - **SAFETY NOTICE!** trailing cables are dangerous, secure all cables

- FRA**
- Afin de tirer les meilleurs résultats des haut-parleurs, veuillez suivre scrupuleusement les instructions reprises dans le présent manuel
 - Veuillez lire et renvoyer la carte de garantie
 - Nettoyer avec un chiffon non pelucheux
 - Ne pas utiliser d'agents nettoyeurs à base d'alcool.
 - Eviter l'humidité
 - Eviter les températures extrêmes
 - Eviter l'exposition directe aux rayons du soleil
 - **NOTE DE SECURITE !** Les câbles de hautparleurs traînant sur le sol peuvent être source de danger. Fixer tous les câbles

- DEU**
- Für optimale Ergebnisse mit Ihrem Lautsprecher befolgen Sie diese Anleitung
 - Lesen Sie die Garantiekarte und senden Sie sie ausgefüllt zurück
 - Mit einem fusselfreien Tuch reinigen
 - Keine alkoholhaltigen Reinigungsmittel verwenden.
 - Feuchtigkeit vermeiden
 - Extreme Temperaturen vermeiden
 - Direktes Sonnenlicht vermeiden
 - **SICHERHEITSHINWEIS !** Herumliegende Lautsprecherkabel sind eine Gefahrenquelle. Bitte alle Lautsprecherkabel sorgfältig verlegen

- ITA**
- Per ottenere le migliori prestazioni dai diffusori seguire le istruzioni contenute nel presente manuale
 - Si prega di restituire la scheda di garanzia, previa attenta lettura
 - Pulire con un panno privo di lanugine
 - Non utilizzare prodotti a base di alcol
 - Evitare l'umidità
 - Evitare temperature troppo alte o troppo basse
 - Evitare l'esposizione diretta ai raggi del sole
 - **NOTA PER LA SICUREZZA:** i cavi di uscita dei diffusori possono essere pericolosi se non sistemati in un posto sicuro

- SPA**
- Siga las instrucciones de este manual para obtener los mejores resultados de los altavoces
 - Lea y envíenos la tarjeta de garantía
 - Limpiar con un paño sin pelusas
 - No use limpiadores con base de alcohol
 - Evite la humedad
 - Evite temperaturas extremas
 - Evite la luz directa del sol
 - **¡ATENCIÓN!** los cables de conexión sueltos de los altavoces son peligrosos. Fíjelos

- POR**
- Siga este manual atentamente para obter o melhor resultado das colunas
 - Leia e devolva o cartão de garantia
 - Limpe com um pano sem fiapos
 - Não utilize produtos de limpeza à base de álcool
 - Evite a humidade
 - Evite temperaturas extremas
 - Evite a exposição directa à luz do sol
 - **Precauções de segurança!** Os cabos das colunas espalhados são perigosos, fixe todos os cabos

- NLD**
- Volg terwille van een optimaal resultaat de instructies nauwkeurig op
 - U kunt na lezing en invulling de garantiekartaan de importeur sturen
 - Reinig met een pluivrije doek
 - Gebruik geen reinigingsproducten op basis van alcohol
 - Vermijd vocht
 - Vermijd extreme temperaturen
 - Vermijd rechtstreeks zonlicht
 - **VOOR UW VEILIGHEID!** Loshangende luidsprekerkabels zijn gevaarlijk! De kabels steeds op een veilige plaats leggen

- DAN**
- Følg denne manual omhyggeligt for at opnå det bedste resultat fra højttalerne
 - Gennemlæs og send garantibeviset tilbage
 - Rengør med en lintfri klud
 - Brug ikke rengøringsmidler med alkohol
 - Undgå fugt
 - Undgå ekstreme temperaturer
 - Undgå direkte sollys
 - **BEMÆRK!** skarpe knæ og slid på

- POL**
- **Aby zapewnić optymalne działanie głośników, należy stosować się do tego podręcznika**
 - **Przeczytaj kartę gwarancyjną i odeślij ją**
 - **Wyczyść za pomocą niestrzępiącej się ściereczki**
 - **Nie używaj środków czyszczących na bazie rozpuszczalników**
 - **Unikaj wilgoci**
 - **Unikaj ekstremalnych temperatur.**
 - **Unikaj bezpośredniego światła słonecznego**
 - **UWAGA DOTYCZĄCA BEZPIECZEŃSTWA!** Luźno leżące kable są niebezpieczne. Zabezpiecz wszystkie kable

- RUS**
- Для получения наилучших результатов от громкоговорителей, тщательно следуйте данной инструкции
 - Прочтите гарантийный талон
 - Протрите сухой тканью без ворса
 - Не используйте растворители для чистки
 - Избегайте сырости
 - Избегайте при нормальной комнатной температуре
 - Избегайте прямых солнечных лучей
 - **Замечание по безопасности!** Не допускайте образования петель из кабелей, закрепите все кабели

ELL

- Ακολουθήστε προσεκτικά τις οδηγίες αυτού του εγχειριδίου για να εξασφαλίσετε την καλύτερη δυνατή απόδοση των ηχείων σας
- Διαβάστε και επιστρέψτε την κάρτα εγγύησης.
- Καθαρίστε με ένα στεγνό πανί χωρίς χνούδια
- Μην χρησιμοποιείτε υγρά καθαρισμού με βάση το οινόπνευμα
- Αποφύγετε την έκθεση σε μέρη με υγρασία
- Αποφύγετε την έκθεση σε ακραίες θερμοκρασίες
- Αποφύγετε την άμεση έκθεση στον ήλιο
- **ΠΡΟΕΙΔΟΠΟΙΗΣΗ ΑΣΦΑΛΕΙΑΣ!** Τα εκτεθειμένα καλώδια σας εκθέτουν σε κίνδυνο, ασφαλίστε όλα τα καλώδια

JPN

- スピーカーの性能を出し切るためにこのマニュアルをよくお読みください
- 日本国内では保証書の発行をいたしておりません。正規販売店の領収書が保証書に替わります。Qシリーズは自然故障においてお買い上げより2年間の無償修理です。
- 乾燥した糸くずのない布で拭いてください。
- アルコールなど化学物質を一切使用しないでください。
- 湿気を避けてください
- 極端な温度は避けてください
- 直射日光を避けてください
- 安全注意！ケーブル類はきれいにまとも足に引っ掛けることのないようにしてください

CHI-S

- 请仔细阅读和遵循本手册以取得最佳的效果
- 请阅读和寄回质量保证卡
- 用不含麻质的乾布清洁
- 不要使用含酒精的清洁剂
- 避免潮湿
- 避免过高和过低的温度
- 避免阳光照射
- **注意安全！** 散乱曳尾的连接线和电线有潜在危险，必须固定所有连接线及电线

CHI-T

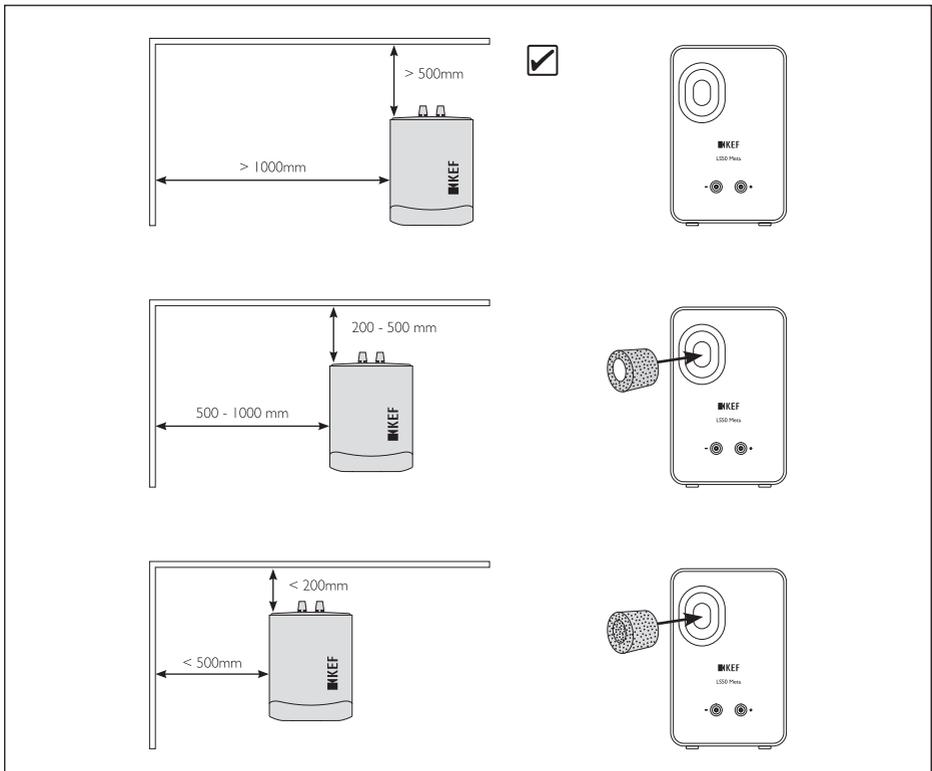
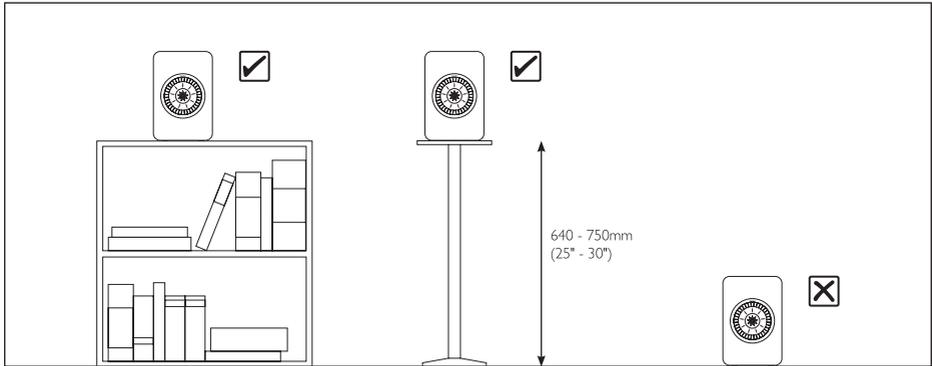
- 請仔細閱讀和遵循本手冊以取得最佳的效果
- 請閱讀和寄回質量保證卡
- 用不含麻質的乾布清潔
- 不要使用含酒精的清潔劑
- 避免潮濕
- 避免過高和過低的溫度
- 避免陽光照射
- **注意安全！** 散亂曳尾的連接線和電線有潛在危險，必須固定所有連接線及電線

KOR

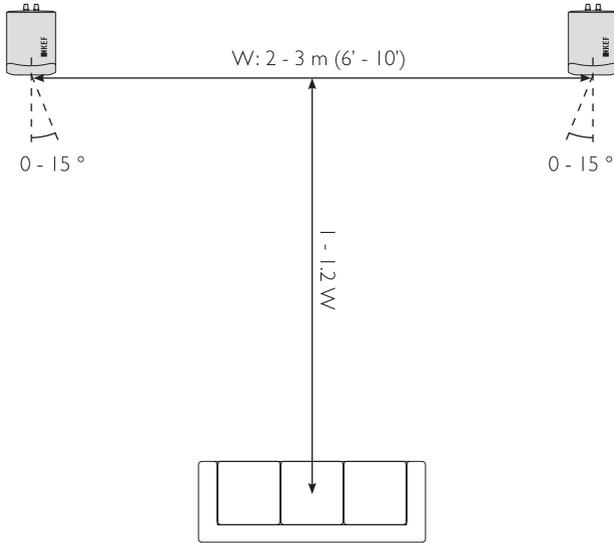
- 설치 전 본 매뉴얼을 숙지 하세요
- 품질보증서 확인
- 부푸라기가없는 마른 천으로 닦으십시오
- 윤활유 등으로 닦지 마세요
- 습기 찬 곳은 피하세요
- 설치 온도
- 직사 광선을 피하세요
- 케이블은 이동이 없는 곳에 설치하세요

Positioning

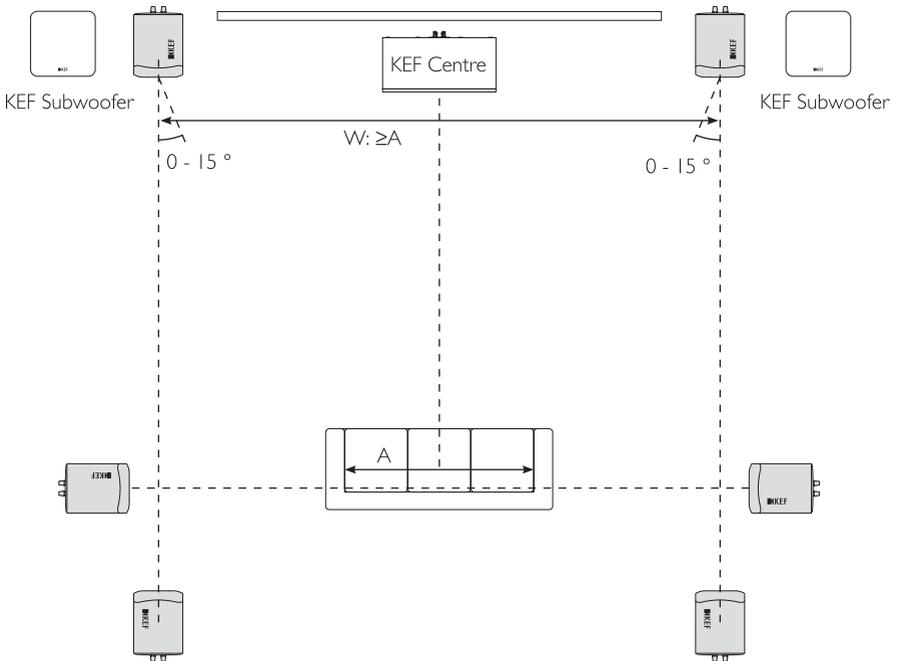
(FRA) Positionnement (DEU) Aufstellung (ITA) Posizionamento (SPA) Posicionamiento (POR) Posicionamento
(NLD) Plaats en aansluiting van het netsnoer (DAN) Placering (POL) Ustawienie położenia (RUS) Размещение (ELL) Τοποθέτηση
(JPN) 位置 (CHI-S) 擺放位置 (CHI-T) 擺放位置 (KOR) 설치 위치



2.0

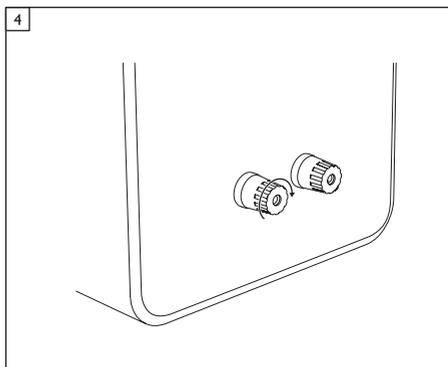
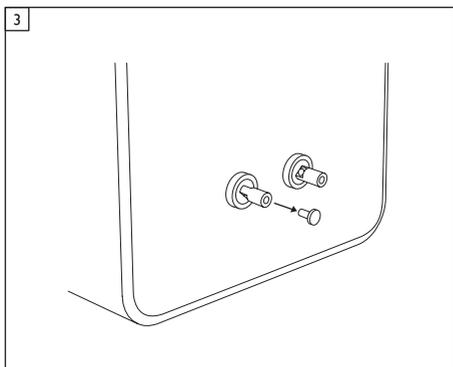
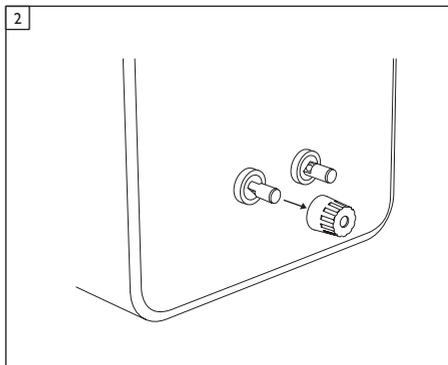
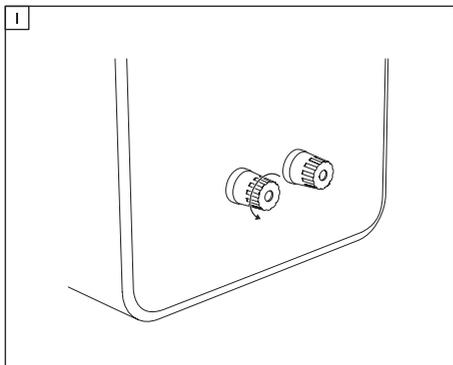
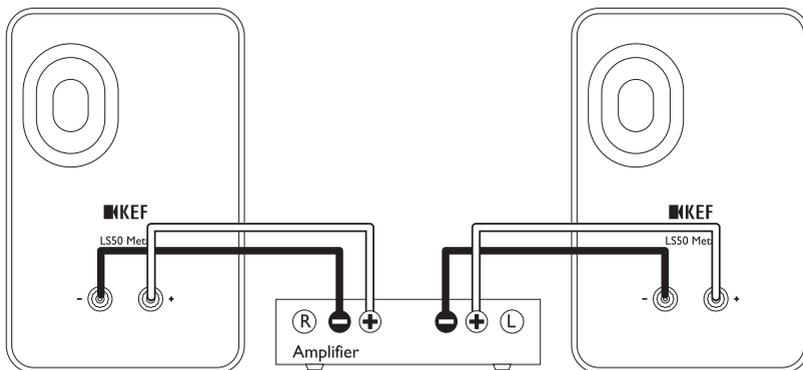


5.1 / 7.2



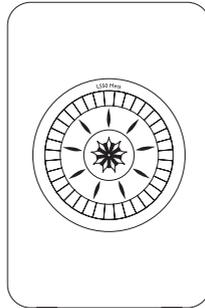
Connections

(FRA) Connexions (DEU) Anschlüsse (ITA) Collegamenti (SPA) Conexiones (POR) Ligações (NLD) Aansluitingen (DAN) Forbindelser (POL) Połączenia (RUS) Соединения (ELL) Συνδέσεις (JPN) 接続 (CHI-S) 连接 (CHI-T) 連接 (KOR) 연결



Specifications

(FRA) Spécifications (DEU) Technische daten (ITA) Specifiche (SPA) Especificaciones (POR) Especificações (NLD) Specificaties (DAN) Specifikationer (POL) **Specyfikacje**techniczna (RUS) **Технические характеристики** (ELL) Προδιαγραφές (JPN) スペック (CHI-S) 规格 (CHI-T) 規格 (KOR) 주요사항



Model	LS50 Meta
Design	Two-way bass reflex
Drive units	Uni-Q Driver Array: HF: 25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology MF/LF: 130 mm (5.25 in.) aluminium cone
Crossover frequency	2.1 kHz
Frequency range (-6dB)	47 Hz - 45 kHz
Typical in-room bass response (-6dB)	26 Hz
Frequency response (± 3 dB)	79 Hz - 28 kHz
Harmonic distortion (90dB, 1m)	<0.4% 175 Hz - 20 kHz <0.1% 300 Hz - 10 kHz
Maximum output	106 dB
Amplifier power (recommended)	40-100 W
Nominal impedance	8 Ω (min. 3.5 Ω)
Sensitivity (2.83V/1m)	85 dB
Weight*	7.8 kg (17.2 lbs.)
Dimension (H x W x D) with terminal*	302 x 200 x 280.5 mm (11.9 x 7.9 x 11.0 in.)

* Measurement per unit

Metamaterial Absorption Technology developed with Acoustic Metamaterials Group.

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



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For product registration, please visit
<https://kef.world/ls50metareg>



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LS50 Meta Bookshelf Loudspeakers



Since 1961, KEF's mission has been to preserve the integrity of original sound with as little intervention as possible. The goal of every KEF product is to do one thing: provide you with a revealing listening experience that is as true to the original recording as is possible within the confines of your room.

The iconic LS50 was the physical embodiment of this singular approach. A loudspeaker that took its cues from the classic LS3/5A but was quickly recognised as a modern icon in its own right. The LS50 was born out of KEF's willingness to think outside the box, to constantly search for new materials, techniques and technologies such as the use of computer aided design and continuous enhancement of the KEF's signature Uni-Q driver array.

That was 2011, and time and technology have moved on. Since then our engineers have been upholding KEF's driving philosophy and searching out new technological breakthroughs. The result is an icon in waiting: the KEF LS50 Meta Bookshelf Loudspeakers. Instantly recognisable as the successor of the LS50, the LS50 Meta is born of the same KEF desire for continual development and is therefore fittingly the first loudspeaker to employ Metamaterial Absorption Technology¹.

PERFORMANCE

Revolutionary sound absorption with MAT™

A result of joint development with the Acoustic Metamaterials Group, using Metamaterial Absorption Technology (MAT™) breaks completely new ground in loudspeaker design, and once again demonstrates KEF's unrelenting passion for developing new technologies to improve your listening experience. 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 truly revolutionary tool in the KEF acoustic armoury, MAT 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 the resulting distortion and providing a purer, more natural acoustic performance.

12th Generation Uni-Q with MAT™ delivers

The tweeter in question sits at the heart of our 12th generation Uni-Q with MAT™ driver array. The Uni-Q point source configuration delivers a more detailed, accurate and integrated three-dimensional sound image, which is dispersed so evenly throughout the room that the 'sweet spot' is wherever you are in the room. Using simulation and analysis tools and decades of accumulated in-house knowledge, our engineers have developed a new iteration of KEF's signature driver array, with a new cone neck decoupler and motor system that is precisely shaped to reduce high-frequency distortion in the mid-frequency driver. The result is reduced coloration, less distortion and a sound that is more transparent and life-like than previously possible. The same can also be said of bass performance, where LS50 Meta completely exceeds the expectations of a modestly proportioned bookshelf speaker to deliver room-filling sound with deep, articulate bass.

Enhancement from LS50 lineage

Much of the engaging performance is thanks to the clarity of the driver array, but the port design is also crucial. Using Computational Fluid Dynamics (CFD), the flare and profile of the LS50 Meta's patented off-set flexible port is calculated to delay the onset of turbulence and the flexible port walls prevent resonances from colouring the midrange. This leads to improved clarity, with exceptional levels of depth and detail.

The LS50 Meta's extremely rigid cabinet is optimised for the best performance, with smooth curved surfaces that help radiate sound out across the baffle without any interference. The baffle itself is engineered from an injection-moulded Dough Moulding Compound (DMC) usually found in the automotive industry. Inside the cabinet, cross bracing and Constrained Layer Damping (CLD) combine to deaden internal vibrations. The result of such meticulous attention to detail is that LS50 Meta produces the lowest coloration of any speaker in its class.

Summary of features

PERFORMANCE – most accurate, immersive sound

- Metamaterial Absorption Technology eliminates 99% of high-frequency distortion for pure, natural sound
- 12th generation Uni-Q with MAT™ driver array for exceptional acoustic accuracy
- Driver Performance Optimisation for enhanced sonic performance, less distortion and reduced coloration
- Patented off-set flexible port for reduced midrange coloration with exceptional levels of depth and detail

DESIGN – attention to every detail

- Optimised cabinet design for best acoustic performance
- Available in 4 finishes
- With mounting inserts to secure on KEF S2 Floor Stand (available as separate item)



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

DESIGN

Attention to every detail

The LS50 Meta has inherited its distinctive good looks from the original LS50, with its low-diffraction, curved baffle precision modelled around the Uni-Q driver array. The curved front is subtly mirrored by the gently radiused rear panel, while both the port exit and speaker terminals have been elegantly recessed and softened visually.

On the LS50 Meta's underside, each corner has a threaded inset allowing the speaker to lock onto the top of the new KEF S2 Floor Stand, which also boasts integrated cable management and a mass-loadable column. LS50 Meta is available at launch in four colours, all of which benefit from a modern silky matte finish, while the S2 Floor Stands are colour matched to the models.

The LS50 Meta Bookshelf Loudspeakers deliver on every aspect of the KEF promise. A genuine industry first, LS50 Meta utilises innovative, ground-breaking technology to provide you with an immersive, completely believable sound from a compact, stylish loudspeaker that is destined to open up whole new vistas of enjoyment in your life.



Specifications

Model	LS50 Meta
Design	Two-way bass reflex
Drive units	Uni-Q Driver Array: HF: 25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology MF/LF: 130 mm (5.25 in.) aluminium cone
Crossover frequency	2.1 kHz
Frequency range (-6dB)	47 Hz - 45 kHz
Typical in-room bass response (-6dB)	26 Hz
Frequency response (±3dB)	79 Hz - 28 kHz
Harmonic distortion (90dB, 1m)	<0.4% 175 Hz - 20 kHz <0.1% 300 Hz - 10 kHz
Maximum output	106 dB
Amplifier power (recommended)	40-100 W
Nominal impedance	8 Ω (min. 3.5 Ω)
Sensitivity (2.83V/1m)	85 dB
Weight*	7.8 kg (17.2 lbs.)
Dimension (H x W x D) with terminal*	302 x 200 x 280.5 mm (11.9 x 7.9 x 11.0 in.)

* Measurement per unit

Visit: [KEF.com](https://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.