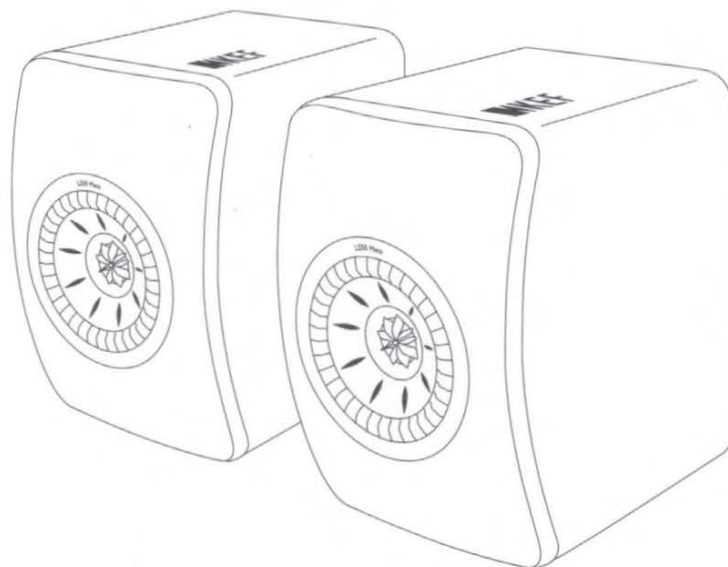




LS50 Meta



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) 簡介 (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 οποιαδήποτε 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 nettoyants 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 garantietaal aan de importeur sturen
  - Reinig met een pluivrije doek
  - Gebruik geen reinigingsprodukten 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

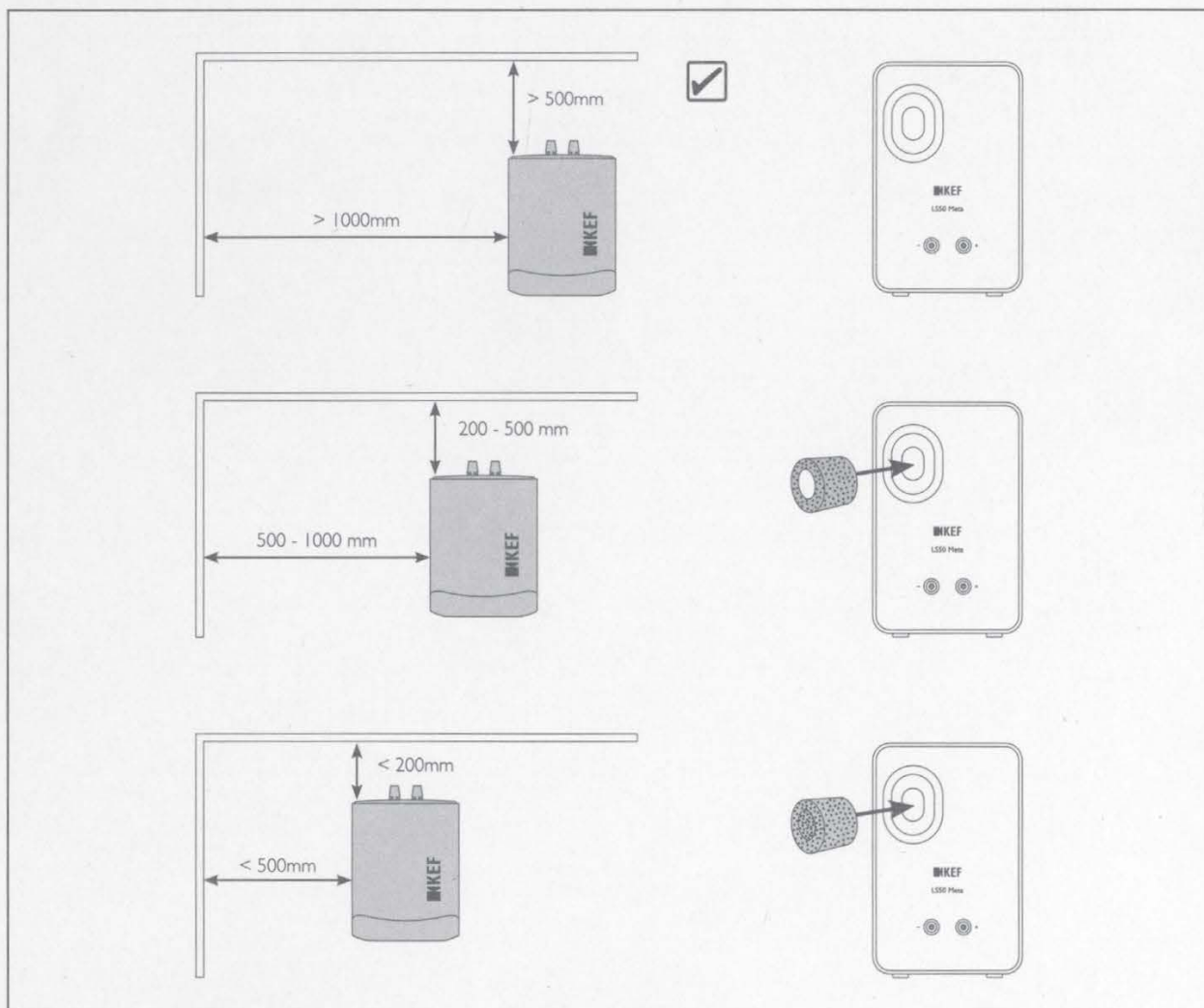
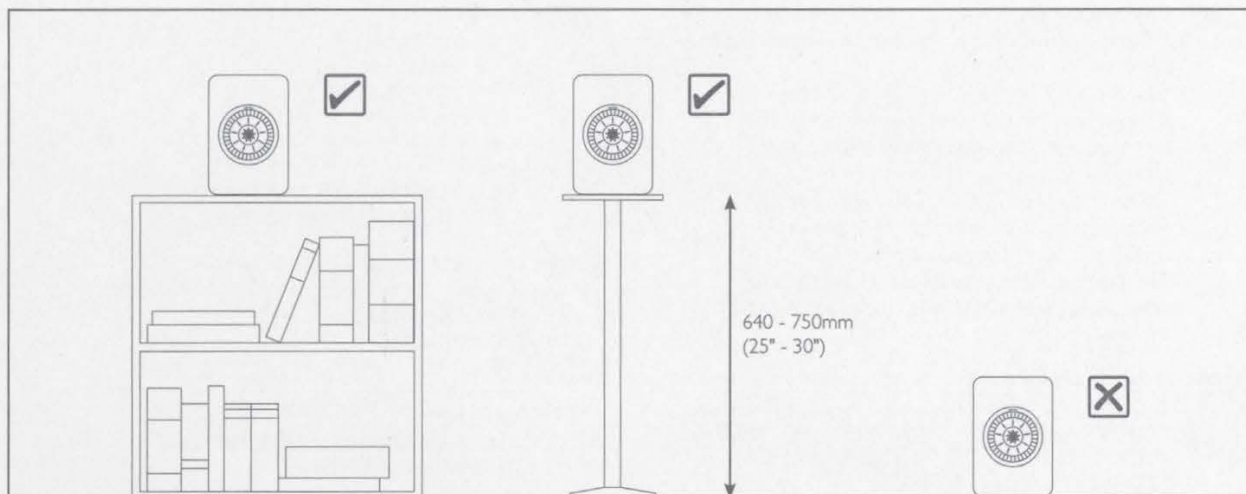
- DAN**
- Følg denne manual omhyggeligt for at opnå det bedste resultat fra højttalere
  - Gennemlæs og send garantibeviset tilbage
  - Rengør med en lintfri klud
  - Brug ikke rengøringsmidler med alkohol
  - Undgå fugt
  - Undgå ekstreme temperaturer
  - Undgå direkte sollys
  - BEMÆRK! skarpe knæk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

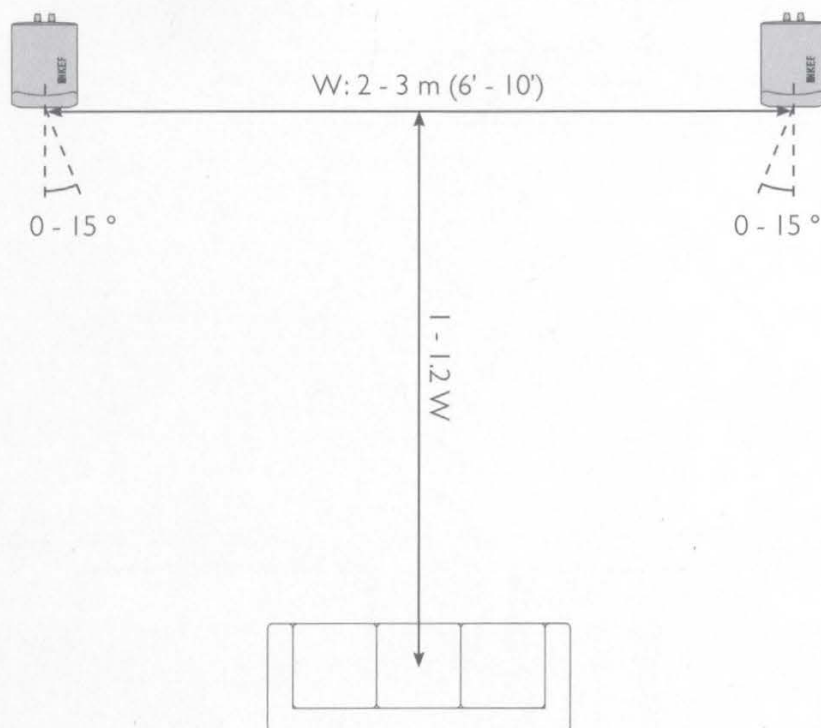
- RUS**
- Для получения наилучших результатов от громкоговорителей, тщательно следуйте данной инструкции
  - Прочтите гарантийный талон
  - Протрите сухой тканью без ворса
  - Не используйте растворители для чистки
  - Избегайте сырости
  - Используйте при нормальной комнатной температуре
  - Избегайте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

# Positioning

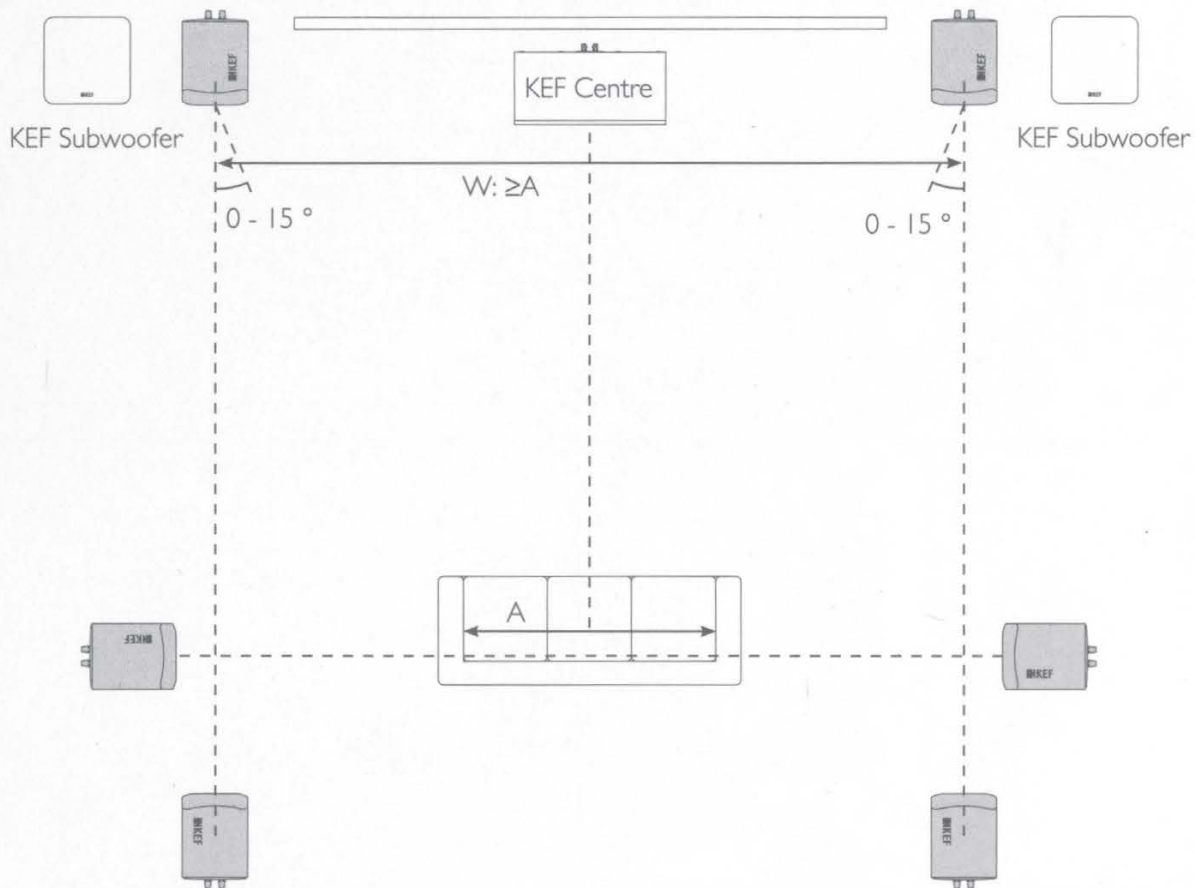
(FRA) Positionnement (DEU) Aufstellung (ITA) Posizionamento (SPA) Posicionamiento (POR) Posicionamento  
 (NLD) Plaats en aansluiting van het netsnoer (DAN) Placering (POL) Ustawienie położenia (RUS) Размещение (ELL) Τοποθέτηση  
 (JPN) 位置 (CHI-S) 摆放位置 (CHI-T) 擺放位置 (KOR) 설치 위치



2.0

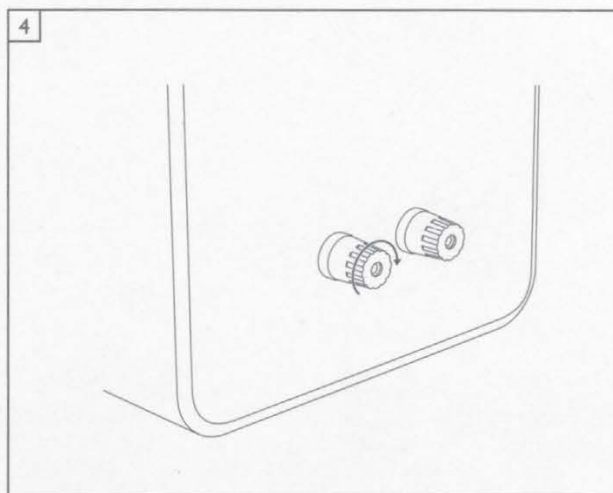
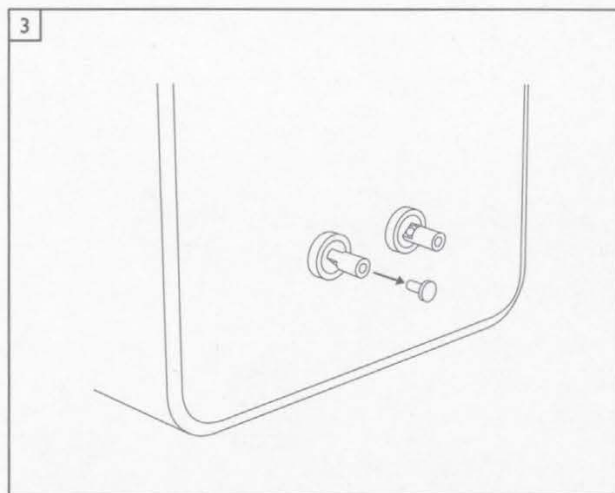
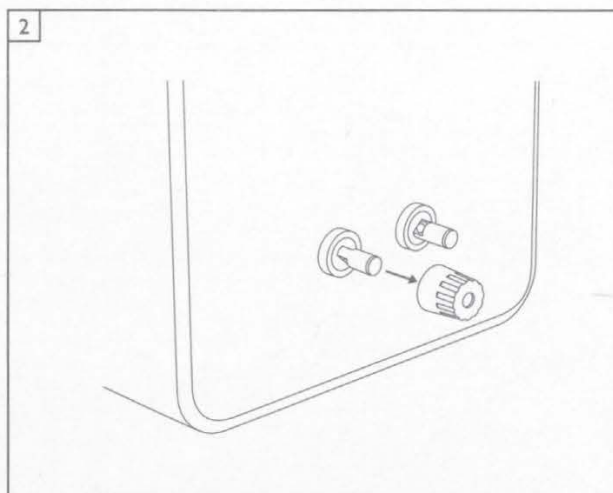
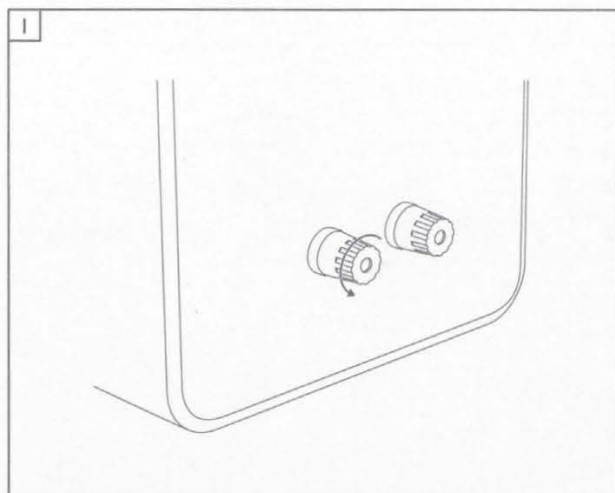
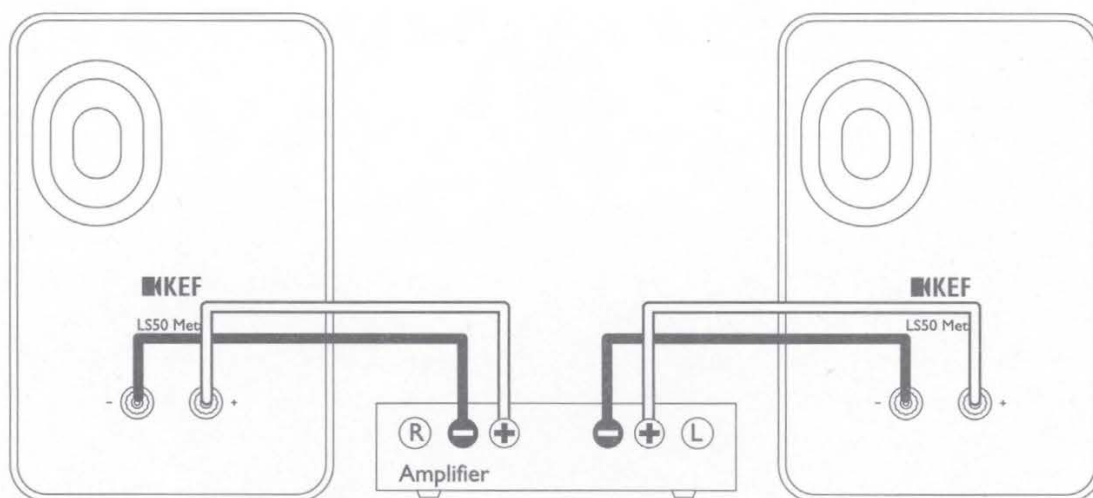


5.1 / 7.2



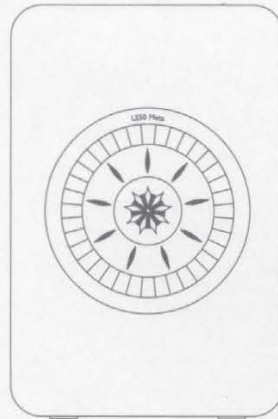
# Connections

(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) 주요사양



|                                         |                                                                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                                   | LS50 Meta                                                                                                                                         |
| Design                                  | Two-way bass reflex                                                                                                                               |
| Drive units                             | Uni-Q Driver Array:<br>HF: 25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology<br>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 ( $\pm 3$ dB)        | 79 Hz - 28 kHz                                                                                                                                    |
| Harmonic distortion (90dB, 1m)          | <0.4% 175 Hz - 20 kHz<br><0.1% 300 Hz - 10 kHz                                                                                                    |
| Maximum output                          | 106 dB                                                                                                                                            |
| Amplifier power (recommended)           | 40-100 W                                                                                                                                          |
| Nominal impedance                       | 8 $\Omega$ (min. 3.5 $\Omega$ )                                                                                                                   |
| Sensitivity (2.83V/1m)                  | 85 dB                                                                                                                                             |
| Weight*                                 | 7.8 kg (17.2 lbs.)                                                                                                                                |
| Dimension (H x W x D)<br>with terminal* | 302 x 200 x 280.5 mm<br>(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.



KEF.COM

United Kingdom  
GP Acoustics (UK) Limited  
Eccleston Road, Tovil, Maidstone,  
Kent, ME15 6QP U.K.  
Tel: +44 (0) 1622 672261  
Fax: +44 (0) 1622 750653  
Email: info.uk@kef.com

Europe  
GP Acoustics GmbH  
Kruppstr. 82-100, D-45145 Essen, Germany  
Tel: +49 (0) 201 17039 0  
Fax: +49 (0) 201 17039 100  
Email: info.de@kef.com

China  
GP Acoustics (China) Limited  
Room 2202, Diwang Commercial Centre,  
5002 Shennan Road East, Shenzhen, China 518008.  
Tel: +86 (755) 8246 0746  
Fax: +86 (755) 8246 0125  
Email: info.cn@kef.com

Hong Kong  
GP Acoustics (HK) Limited  
9/F, Building 12W, 12 Science Park West Avenue,  
Hong Kong Science Park, N.T., Hong Kong  
Tel: +852 2410 8188  
Fax: +852 2401 0754  
Email: info.hk@kef.com

Japan  
KEF Japan  
3-6-11, Ariake TFT East 1F  
Koto, Tokyo, Japan 135-8071  
Tel: +81-3-3528-3660  
Email: info.jp@kef.com

USA  
GP Acoustics (US) Inc.  
10 Timber Lane, Marlboro, New Jersey 07746 U.S.A.  
Tel: +1 (732) 683 2356  
Fax: +1 (732) 683 2358  
Email: info.us@kef.com

For product registration, please visit  
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P/N: 4301-5457+0



## LS50 Meta Standmount 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 Standmount Speakers. 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 Technology<sup>1</sup>.

### 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.

#### 12<sup>th</sup> Generation Uni-Q with MAT delivers

The tweeter in question sits at the heart of our 12<sup>th</sup> 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 standmount 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
- 12<sup>th</sup> 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)



<sup>1</sup> 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 Standmount 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:<br>HF: 25 mm (1 in.) vented aluminium dome with Metamaterial Absorption Technology<br>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<br><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

KEF SPEAKERS

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WARRANTY INFORMATION



## Limited Warranty

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Thank you for choosing KEF. KEF is dedicated to producing premium audio products with best-in-class sound quality to give you an engrossing and pleasurable listening experience that is true to the original performance.

For KEF latest news and product information please visit [www.kef.com](http://www.kef.com)

KEF products purchased from an authorised KEF retailer are covered by a warranty. GP Acoustics (UK) Limited and KEF's authorised distributors provide warranty with a valid proof of purchase.

This warranty is in addition to, and in no way detracts from, your statutory rights as a consumer under any applicable laws governing this warranty. For full details please visit: [www.kef.com/support](http://www.kef.com/support) or contact our Customer Service Department at +44 800 652 2696 (UK) (charges may apply from calls made outside of the UK), by email at [support@kef.com](mailto:support@kef.com) or by post at GP Acoustics (UK) Limited, Eccleston Road, Tovil, Maidstone, Kent ME15 6QP, England for a full copy of the warranty.

GP Acoustics (UK) Limited  
Eccleston Road, Tovil, Maidstone,  
Kent ME15 6QP, England  
+44 1622 672 261

## Garantiebestimmungen

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Vielen Dank, dass Sie ein Produkt von KEF erworben haben. KEF produziert Premium-Audio-Produkte mit klassenbesten Klangqualität, um Ihnen ein nahe am Original befindliches, fesselndes Hörvergnügen zu ermöglichen.

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GP Acoustics (UK) Limited  
Eccleston Road, Tovil, Maidstone,  
Kent ME15 6QP, England  
+44 1622 672 261

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GP Acoustics (UK) Limited  
Eccleston Road, Tovil, Maidstone  
Kent, ME15 6QP UK

