

KEF X300A

KEF X300A Digital Hi-Fi Speaker System

Model: X300A | Brand: KEF

INTRODUCTION

The KEF X300A powered speaker system is designed to elevate your digital audio experience. It connects seamlessly to your PC or Mac via a distortion-free USB connection, delivering exceptional warmth, detail, and depth to your music library. The system also supports analog auxiliary input for devices with a headphone port, such as smartphones or tablets.

Each X300A speaker features two dedicated Class AB audiophile amplifiers, one for low/mid frequencies and another for high frequencies, ensuring accurate and distortion-free sound reproduction. Dual digital audio converters (DACs) minimize interference and digital artifacts. Toroidal transformers, typically found in high-end audiophile amplifiers, are integrated to eliminate speaker hum and electromagnetic interference, providing a clean audio signal.

WHAT'S IN THE BOX

- Two (2) KEF X300A Digital Hi-Fi Speakers



Figure 1: The KEF X300A Digital Hi-Fi Speaker System, showing both speakers from an angled perspective.

SETUP AND CONNECTIONS

Setting up your KEF X300A speakers is straightforward, requiring minimal effort. No complex software installation or intricate programming is needed.

1. **Power Connection:** Plug both speakers into a reliable power source using their respective power cords.
2. **Speaker Interconnection:** Connect the two speakers to each other using the provided USB cable. This establishes the digital audio link between the left and right channels.
3. **Audio Source Connection:** Connect your audio player (PC, Mac, iPhone, iPad, Kindle Fire, etc.) to the speakers.
 - For optimal digital audio quality, connect your computer via the USB input. The X300A features high-resolution 96kHz/24-bit USB input.
 - For other devices, use an 1/8" (3.5mm) analog auxiliary cable to connect to the auxiliary input port.
4. **Power On:** Flip the power switch on the speakers.



Figure 2: Connection diagram illustrating how to link the KEF X300A speakers to a computer via USB and to a mobile device via auxiliary input.



Figure 3: KEF X300A speakers set up with a laptop, demonstrating a typical usage scenario.



Figure 4: KEF X300A speakers arranged with a desktop computer, showcasing their integration into a home audio setup.

Video Guide: KEF X300A Digital Hi-Fi System Overview

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This video provides a brief overview of the KEF X300A Digital Hi-Fi Speaker System, highlighting its features and ease of setup.

KEY FEATURES

- **High-Resolution Audio:** With 96kHz/24-bit USB input and digitally connected hi-fi speakers, the X300A delivers music with the warmth, depth, and detail of the original recording.
- **Dual Amplification:** Each X300A speaker is equipped with two dedicated Class AB amplifiers—one for low/mid frequencies and one for high frequencies—ensuring accurate, distortion-free sound reproduction across the entire frequency range.
- **Integrated DACs:** A high-quality Digital-to-Analog Converter (DAC) in each speaker virtually eliminates interference, contributing to a clean and precise audio output.
- **Uni-Q Driver Array:** The speakers feature the award-winning Uni-Q 'point source' driver array, derived from KEF's flagship Blade speaker. This design creates a spacious, accurate, and exquisitely detailed sound field, regardless of the connected device.
- **Toroidal Transformers:** Incorporating toroidal transformers, common in top audiophile amplifiers, the X300A effectively nullifies speaker hum and electromagnetic interference, preserving audio purity.



Figure 5: Front view of a single KEF X300A speaker, showcasing the distinctive Uni-Q driver technology.



Figure 6: An exploded diagram illustrating the intricate components of the KEF Uni-Q driver and the internal structure of the X300A speaker.

OPERATING INSTRUCTIONS

Once connected, the KEF X300A speakers are ready for use. You can fine-tune the audio output to match your listening environment and preferences.

- **Gain and Audio Balance:** Adjust the gain and audio balance using the two knobs located on the back of each speaker. This allows for precise control over individual speaker output and stereo imaging.
- **Bass Level Adjustment:** The X300A includes a built-in switch that allows you to adjust the bass response. This feature is crucial for optimizing sound quality based on speaker placement, whether they are on a surface (e.g., a desk) or on dedicated speaker stands. Press the button to toggle between modes to best suit your listening space.

MAINTENANCE

To ensure the longevity and optimal performance of your KEF X300A speakers, follow these general maintenance guidelines:

- **Cleaning:** Gently wipe the speaker cabinets with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, waxes, or solvents as they may damage the finish.
- **Placement:** Position the speakers in a stable location, away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the speakers.
- **Protection:** Protect the speaker drivers from physical damage. Avoid touching the cones or tweeters.
- **Cables:** Periodically check all cable connections to ensure they are secure and free from damage.

TROUBLESHOOTING

If you encounter issues with your KEF X300A speaker system, consider the following common troubleshooting steps:

- **No Sound:**
 - Ensure both speakers are properly plugged into a power source and the power switches are on.
 - Verify that the USB cable connecting the two speakers is securely attached.
 - Check the audio source connection (USB or auxiliary) and ensure the source device is playing audio.
 - Confirm that the volume on both the speakers and the audio source device is turned up and not muted.
- **Distorted Sound:**
 - Reduce the volume on both the speakers and the audio source.
 - Check for loose cable connections.
 - Ensure the audio source is not sending an overdriven signal.
- **Uneven Sound (Left/Right):**
 - Adjust the individual gain knobs on the back of each speaker to balance the output.
 - Check the audio balance settings on your source device.
- **Humming or Buzzing Noise:**
 - Ensure all cables are properly shielded and not running parallel to power cables.
 - Try plugging the speakers into a different power outlet or a surge protector.
 - Verify that the toroidal transformers are functioning correctly (this may require professional inspection).

If problems persist, consult the KEF support website or contact their customer service for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	KEF
Model Number	X300A
Product Dimensions	11 x 10 x 7 inches
Item Weight	38 Pounds
Speaker Maximum Output Power	150 Watts
Connectivity Technology	Auxiliary, USB
Audio Output Mode	Stereo
Mounting Type	Plug Mount
Date First Available	January 2, 2013

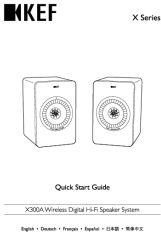
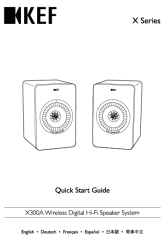
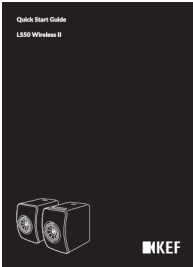
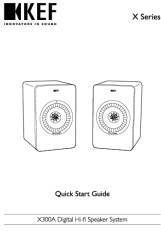
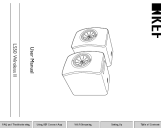
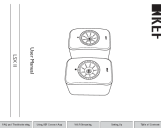
WARRANTY AND SUPPORT

The KEF X300A Digital Hi-Fi Speaker System is sold as is, and the manufacturer's warranty applies. For specific warranty terms, conditions, and support inquiries, please refer to the documentation included with your product or visit the official KEF website.

Legal Disclaimer: Product sold as is. Manufacturers warrantee applies.

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For more information, visit the [KEF Store on Amazon](#).

Related Documents - X300A

 <p>Quick Start Guide</p> <p>X300A Wireless Digital Hi-Fi Speaker System</p> <p>English • Deutsch • Français • Español • 日本語 • 简体中文</p>	<p>KEF X300A Wireless Digital Hi-Fi Speaker System Quick Start Guide</p> <p>Get started quickly with the KEF X300A Wireless Digital Hi-Fi Speaker System. This guide provides essential setup, connection, and operation information for your high-quality audio experience.</p>
 <p>Quick Start Guide</p> <p>X300A Wireless Digital Hi-Fi Speaker System</p> <p>English • Deutsch • Français • Español • 日本語 • 简体中文</p>	<p>KEF X300A Wireless Digital Hi-Fi Speaker System Quick Start Guide</p> <p>A quick start guide for the KEF X300A Wireless, an active wireless digital hi-fi speaker system. Learn about setup, connections, streaming, controls, and troubleshooting for an enhanced audio experience.</p>
 <p>Quick Start Guide</p> <p>LS50 Wireless II</p> <p>KEF</p>	<p>KEF LS50 Wireless II Quick Start Guide</p> <p>A concise guide to setting up and using the KEF LS50 Wireless II active wireless speakers, covering speaker connections, wireless setup, and app integration.</p>
 <p>Quick Start Guide</p> <p>X300A Digital Hi-Fi Speaker System</p>	<p>KEF X300A Digital Hi-fi Speaker System Quick Start Guide</p> <p>Quick start guide for the KEF X300A Digital Hi-fi Speaker System, covering setup, controls, settings, and troubleshooting for optimal audio performance.</p>
 <p>LS50 Wireless II</p> <p>KEF</p>	<p>KEF LS50 Wireless II User Manual: Setup, Features, and Operation</p> <p>Comprehensive user manual for the KEF LS50 Wireless II wireless stereo speaker system. Learn about setup, Wi-Fi streaming, connectivity options, KEF Connect app usage, troubleshooting, and specifications.</p>
 <p>LSX II</p> <p>KEF</p>	<p>KEF LSX II User Manual: Setup, Features, and Operation</p> <p>This user manual provides comprehensive guidance for the KEF LSX II wireless speaker system, covering setup, connectivity, streaming options, KEF Connect app usage, and troubleshooting to ensure optimal audio performance.</p>

