

Introducing the KEF X300A High Definition Digital Hi-fi Speaker System



Incorporates KEF's Award Winning Uni-Q® Driver Design

High Fidelity Setup

Innovation is what sets KEF apart from its competitors. For over 50 years KEF has been at the forefront of loudspeaker research and development, designing class-leading speakers that have dealt with the challenges of reproducing the latest musical formats, and reproducing them to the highest possible quality. The X300A continues this legacy today.

The X300A speaker is a premium active design conceived to offer the highest resolution music reproduction from a PC or Mac, desktop or laptop computer – all via a 'distortion free' USB digital input. There is even a backup analogue input with its own level control so you can easily connect any smartphone or MP3 player.

Unlike typical active computer speaker designs the X300A utilises twin class AB audiophile grade amplifiers (typically used in high quality hi-fi amplifiers) inside each speaker; one for HF and one for LF/MF. This means that because each driver has an amplifier delivering its own power, the tweeters (vented designs to help lower distortion) are not affected when the woofer amps are driven close to the limit, resulting in a much cleaner sound and greater control at higher levels. Featuring with high performance toroidal transformers to minimise hum noise and electromagnetic interference, in keeping with the best pro audio monitors available today.

High Definition Sound

Digital USB input and inter-speaker connections provide lossless high resolution 96kHz/24 bit quality sound from source to output. This is in addition to high quality audiophile DACs, which means that when you connect up the X300A into your PC or laptop, you'll by-pass the computer's internal DAC and make use of the high quality DAC in the X300A. The result is that whatever source your music is coming from, whether it's your phone, MP3 player or computer, the X300A will deliver accurate, high resolution playback.

To get the very best from the twin class AB amplifiers, an award winning Uni-Q driver design, adapted from KEF's flagship Blade speaker is featured in the X300A.

The Uni-Q driver array uses an extremely light and rigid aluminium/magnesium cone designed to deliver fast and clean mid-range. With the aluminium tweeter, featuring KEF's 'Tangerine waveguide' placed at the acoustic centre of the cone for optimum performance, not only will it increase dispersion and reduce the traditional 'sweet spot effect' making placement easy, but it'll reproduce upper registers with startling clarity, smoothing the transition to midrange frequencies and reproducing your music with flawless accuracy.

With other innovations such as the Z-flex surround for a smooth transition between cone and cabinet and large neodymium magnets with copper caps to reduce inductance and distortion, the Uni-Q driver array developed for the X300A will provide a wide, clean and detailed sound field whatever source your music is coming from.

High Simplicity

Setting up and configuring the X300A could not be more straightforward with simple to connect 'plug and play' connections using an all-digital USB link. A backup 3.5mm analogue connection makes connecting smartphones or MP3 players easy, and switchable EQ modes make positioning on desk, free space or desk/wall placement possible; the sound being optimised specifically for whichever position the X300A is placed. Desk and free space modes are selected by a switch on the rear panel of the master speaker; desk/wall mode is chosen via a foam plug for the rear mounted reflex port.

The X300A offers a highly flexible and versatile speaker solution that delivers high resolution sound from source to output. Available in a gunmetal finish, the X300A will reproduce music with startling realism regardless of whether the source is a computer, smartphone or MP3 player.

ABOUT KEF

KEF's ethos has always been based on the continuing quest to find new and better ways of reproducing sound. Since the company's establishment in Maidstone, Kent in 1961 by Raymond Cooke O.B.E., KEF has maintained a flair for unusual and controversial speaker engineering, design and material use. KEF has always driven innovation in sound with examples including its iconic 'egg', Muon and Blade speakers. KEF is part of Gold Peak Group and its products are available in more than 60 countries. In 2011 KEF celebrated its 50th anniversary and continues to be committed to building on its strong heritage.

Visit: <http://www.kef.com>
for more about KEF and its products.

Visit: <http://www.kef.com/thefifty/>
for more about KEF's 50 Years' History

Specifications

X300A	
System type	Two-way bass reflex
Drive units	Uni-Q driver array: HF: 25mm (1in.) vented aluminium dome LF/MF: 130mm (5.25in.) magnesium/ aluminium alloy
Frequency response (± 3 dB)	58Hz - 28kHz
Frequency range (-6dB)	49Hz - 45kHz
Max peak SPL	104dB
Amplifier type	Twin Class AB
Amplifier power	LF: 50W HF: 20W
AC power input	US/JP versions: 100-120 VAC, 50/60 Hz EU/UK/China versions: 220-240 VAC, 50Hz
Analogue input	AUX: 3.5mm stereo jack
Digital input Resolution Sampling rate	USB 2.0: mini USB type B connector Up to 24-bit Up to 96kHz, depending on source resolution
Controls	Balance control AUX volume control USB volume control on PC
Internal volume	4.7 l
Finish	Gunmetal
Dimension (H x W x D)	Without heatsink: 280 x 180 x 215mm (11.0 x 7.1 x 8.5 in.) With heatsink: 280 x 180 x 243mm (11.0 x 7.1 x 9.6 in.)
Weight	7.5kg (16.5lbs) per speaker

