

KGUSS D10s

KGUSS Topping D10s HiFi USB DAC Instruction Manual

Model: D10s

1. INTRODUCTION

Thank you for choosing the KGUSS Topping D10s HiFi USB DAC. This high-performance device is designed to deliver exceptional audio quality for your PC. It features multiple output types including Optical, Coaxial, and Line Out, supporting high-resolution audio up to 384kHz/32bit PCM and DSD256. The D10s combines a simple appearance with an informative LED display, functioning not only as a DAC but also as a versatile digital interface.



Image: The Topping D10s HiFi USB DAC, showcasing its compact design and display.

Video: An overview of the TOPPING D10s USB DAC, highlighting its premium features and design.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Topping D10s USB DAC x 1
- USB cable x 1
- User manual x 1
- Warranty card x 1

Premium in USB

D10s USB DAC



Image: A visual representation of the D10s package contents, including the DAC unit, USB cable, user manual, and warranty card.

Video: An unboxing video for the TOPPING D10s, showing the contents of the package.

3. KEY FEATURES

- **DSD256 and PCM384 Compatibility:** The D10s supports a wide range of audio formats, including 16-32bit/44.1-384kHz PCM and DSD64-DSD256 (both Dop and Native). This ensures compatibility with various high-resolution audio files.
- **XMOS XU208 and Customized Driver:** Equipped with an XMOS XU208 USB interface and a customized Thesycon driver, the D10s offers enhanced compatibility and performance for high-resolution audio, especially DSD native playback. It utilizes the ESS ES9038Q2M DAC chip, achieving a low THD+N of 0.0002%@1kHz.



Image: A close-up view of the ESS ES9038Q2M HIFI DAC chip on the circuit board.



Image: A close-up view of the XMOS XU208 chip, central to the DAC's USB interface.

- **Automatic Power On/Off:** The D10s synchronizes its power state with your PC, automatically turning on or off when the computer is powered on or shut down, even if the USB port continues to supply power.
- **Replaceable OP-AMP:** The device features an OP amp socket, allowing advanced users to change the OP amp to customize the sound signature. Note: Changing the OP amp may alter the D10s's electrical parameters.

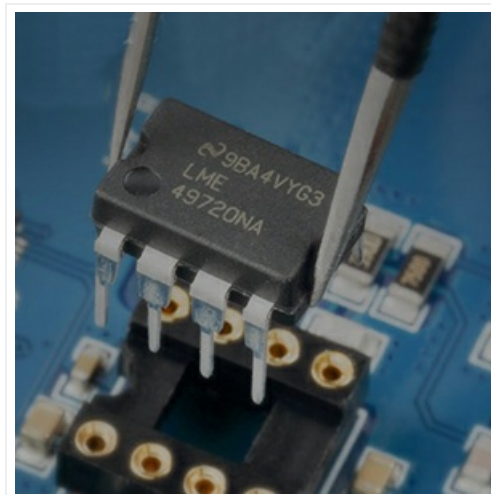


Image: Illustration of the replaceable OP-AMP feature, showing an OP amp being handled with tweezers.

4. SETUP AND CONNECTIONS

The D10s offers versatile connectivity options for various audio setups:

4.1. Connecting to Active Speakers

Connect the D10s to your active speakers via the Line Out (RCA) ports. This setup provides DSD and higher-specification PCM compatibility, offering superior sound quality compared to a computer's built-in sound card or a standard DAC.



Image: The D10s connected to a laptop via USB and to active speakers via RCA Line Out.

4.2. Connecting to an Amplifier/Headphone Amplifier

Use the D10s's Line Out to connect to the input of your amplifier or headphone amplifier. This integrates the D10s into your existing HiFi system, enhancing the audio source quality.



Image: The D10s connected to a laptop and a separate amplifier, demonstrating its role in a HiFi setup.

4.3. Using as a USB Interface

The D10s can also function as a USB interface. Connect its coaxial/optical output to another DAC, allowing the D10s to convert the USB audio signal for use with other digital-to-analog converters.



Image: The D10s connected to a tablet and another DAC, illustrating its use as a USB interface.

5. OPERATION

5.1. Audio Format and Sampling Rate Indicator

The D10s features an orange LED display that accurately indicates the audio format (PCM or DSD) and the sampling rate of the currently playing music. The display is designed to be soft and non-dazzling, even at night.

Contents list



1



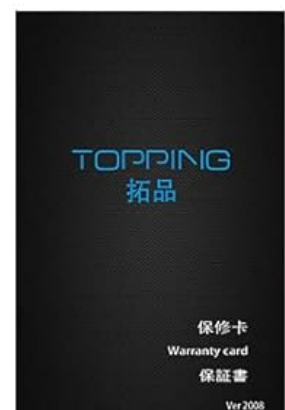
2



3



4



5

1 PA3s

4 User manual

- 2** AC to DC power adapter

3 AC cable
- 5** Warranty card

Image: The D10s display showing various supported PCM and DSD sampling rates.

5.2. Driver Installation

For optimal performance, especially with DSD native playback, it is recommended to install the customized Thesycon driver. This driver can typically be downloaded from the manufacturer's official website or the seller's support page.

Video: A user manual video for the TOPPING D10s, providing guidance on setup and operation.

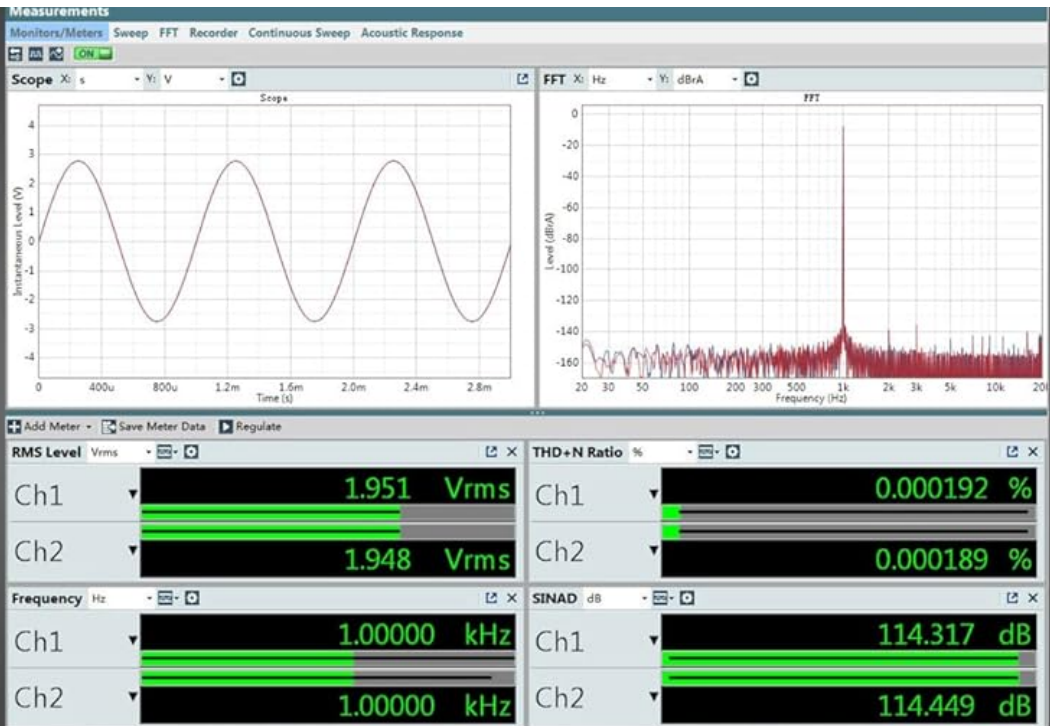
6. SPECIFICATIONS

Detailed technical specifications for the Topping D10s USB DAC:

What's updated

The specification comparison between D10s and D10 (LineOut/USB In@96kHz)		
	D10s	D10
DAC	ES9038Q2M	ES9018K2M
THD+N @1kHz A-wt	<0.0002%	<0.0008%
SNR @1kHz A-wt	120dB	115dB
Noise @A-wt	<2.5uVrms	<4uVrms
Channel Crosstalk @1kHz	-135dB	-115dB
Channel Balance	<0.02dB	0.1dB
Output Impedance	20Ω	100Ω

Premium Performance



SIAND
113dB @1kHz

DR
120dB @1kHz

Note: Above spec was measured under A@weighted.

Image: Front and rear panel views of the D10s, showing input/output ports and physical dimensions.

Feature	Specification
Measured Dimensions	10.3cm x 14.6cm x 3.7cm
Weight	323g
Power Input	DC5V/0.5A (USB power supply)
Color	Black/Silver
Input	USB
Output	Coaxial, Optical, RCA
Display	Customized digital tube
USB IN Compatibility	16-32bit/44.1-384kHz, DSD64-DSD256 (Native), DSD128 (Dop)
OPT/COAX OUT Compatibility	44.1kHz-192kHz/16-24bit, DSD64 (Dop)
DAC Chip	ESS ES9038Q2M
THD+N @1kHz A-wt	<0.0002%
SNR @1kHz A-wt	120dB
Noise @A-wt	<2.5uVrms
Channel Crosstalk @1kHz	-135dB

Feature	Specification
Channel Balance	<0.02dB
Output Impedance	20Ω

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your D10s USB DAC.

Video: A troubleshooting guide for the TOPPING D10s USB DAC, covering various issues and solutions.

Phenomenon	Solution
<p>Insufficient power supply</p> <p>Problems that may occur:</p> <ol style="list-style-type: none"> 1. Abnormal sound 2. Can't be recognized 3. Can be recognized but no output 4. SPDIF output but no RCA output 5. Noise on one channel 	<ul style="list-style-type: none"> • If connected to a mobile phone, it is caused by insufficient output current from the mobile phone. It is recommended to connect it to a computer for use. • If connected to a computer, please try to use the USB port on the computer's host and use a USB cable within 1.5m, or even try a different USB cable.
<p>The connected USB device does not recognize this unit</p>	<ul style="list-style-type: none"> • USB cable did not connect properly. Please check or change the cable. • Try with another USB port. • Driver problem. Try to reinstall the driver. • May be caused by the PC. Check or try with another PC.
<p>Noisy playback</p>	<ul style="list-style-type: none"> • Try with other songs. • The specifications of songs are not supported by this unit. • If the noise appears only when playing DSD files, please check and adjust the computer system volume, music player volume, and driver volume to the maximum. • Check to see if the problem is with the source, downstream equipment, and cables. • If the noise disappears after unplugging the USB cable, it may be interference from the source. You could try to add a USB isolation between this unit and the source.
<p>One channel with noise/no output</p>	<ul style="list-style-type: none"> • Check to see if the problem is with the source, downstream equipment, and cables. You can try swapping the left and right channel connections and try with another source.

Phenomenon	Solution
Channel imbalance	<ul style="list-style-type: none"> • Check to see if the problem is with the source, downstream equipment, and cables. You can try swapping the left and right channel connections and try with another source.
The sample rate displayed on the device does not match the music file	<ul style="list-style-type: none"> • The choice of music player app, the setting of music player, and the setting of computer/phone will all have an impact on the sampling rate. • The sampling rate displayed by this unit is the sampling rate of the input signal, and it will not change the sampling rate by itself. • If the music player can be set to exclusive mode, the audio signal will not be resampled by the computer/phone, so the sampling rate of the output signal is the sampling rate of the original file, and the sampling rate displayed by this unit is also the sampling rate of the original file. • Because some players can't be set to exclusive mode, the audio signal will be resampled by the computer/phone and then output. So this unit will always display the sampling rate set by the computer/phone. • We recommend using Audirvana player on MAC OS and Foobar on Windows OS.
No output on optical and coaxial during DSD playback	<ul style="list-style-type: none"> • Check if the optical/coaxial input of the downstream device supports DSD. • Check that the song being played is within the supported range of this unit.
Filtering mode	<ul style="list-style-type: none"> • Fast roll off apodizing

8. WARRANTY AND SUPPORT

KGUSS and HIFI College are committed to providing high-quality audio equipment and excellent customer service. Your D10s USB DAC comes with comprehensive support.

8.1. Warranty Information

- **30-day money-back guarantee** for any reason.
- **More than 12-month warranty** on all quality defects.
- Supports **30-day price matching**.

8.2. Customer Support

For any questions, concerns, or support needs, please contact HIFI College directly. We are dedicated to ensuring your satisfaction with our products.

Contact Email: HIFICOLLEGE@gmail.com