

User Manual

DA5

**Portable High-Resolution Audio DAC &
Headphone Amplifier**



Product Overview

1.Introduction

The Kaiboer DA5 is a high-performance portable USB-C DAC and headphone amplifier designed for audiophiles. It transforms smartphones, tablets, and computers into high-fidelity "digital transports".

2.Core Capabilities

Master-Grade Decoding: Supports up to 768kHz/32bit and Native DSD256.

Dual Drive Engine: Independent amplification for 4.4mm Balanced and 3.5mm Single-Ended outputs.

Universal Control: Independent physical volume and gain toggles.

3.Technical Specifications

DAC Architecture: Features dual high-performance, low-power CS43198 decoding chips to eliminate signal interference at the source.

Audio Bridge: Equipped with the CB5100PRO USB audio bridge chip, supporting professional features like 8-band EQ.

Decoding Rates: Supports ultra-high-resolution audio, including PCM up to 768kHz/32bit and Native DSD64/128/256.

© Audio Performance:

THD+N: As low as -110dB, providing a crystal-clear "black background" for music. SNR/DNR: Reaches up to 130dB at the 4.4mm balanced output. Load Impedance: Supports a wide range from 16Ω to 600Ω, compatible with most high-end headphones.

© Hardware Interface & Controls:

Dual Outputs: Features both a 4.4mm Balanced output and a 3.5mm Single-ended output.

Physical Buttons: Three independent buttons for playback control: Volume +, Volume-, and Play/Pause/Track Skip.

Gain Control: A physical toggle switch to select between High and Standard (Low) gain modes to match different headphone power requirements.

© LED Status Indicator: An RGB light indicates the working status:

Blue: Standby / Power on.

Green: PCM Mode.

Red: DSD Native Mode.

© Advanced Functionality:

Professional EQ: Supports 8-band EQ adjustment via the WALK PLAY APP (currently available for Android only).

Multi-Purpose Support: Fully supports voice calls, audio recording, and standard inline remote control functions.

Broad Compatibility: Compatible with Android, HarmonyOS, iOS, Windows 10/11, and macOS.

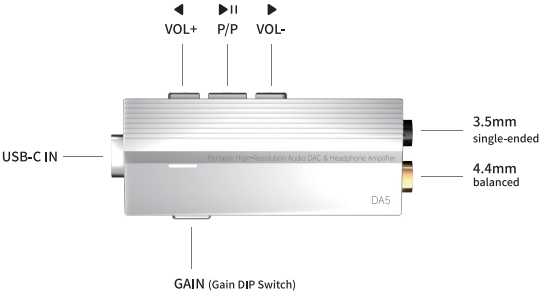
Technical Specifications

Feature	Specification
DAC Chipset	Dual Cirrus Logic CS43198
PCM Decoding	Up to 768kHz/32bit
DSD Decoding	Native DSD64/128/256
THD+N	≤ -110dB (Ultra-low distortion)
Signal-to-Noise Ratio	Up to 130dB (Balanced) / 125dB (Single-Ended)
Load Impedance	16Ω - 600Ω (Supports high-impedance headphones)
Input Port	USB Type-C

Headphone Jack Characteristics

Item	Specification
Output Interface Definition	4.4mm Headphone Jack (L+/L-/R+/R-) + 3.5mm Headphone Jack (L/R/G/M)
Matched Analog Headphone Impedance	16Ω - 600Ω
Digital Audio Codec Decoding Rate	PCM: 768kHz/32bit and below; DSD: DSD64/128/256
Dynamic Range (DNR) @1kHz -60dBFS	600Ω Load: Typ: 130dB @ 4.4mm/4Vrms; 125dB @ 3.5mm/2Vrms 32Ω Load: Typ: 130dB @ 4.4mm/4Vrms; 125dB @ 3.5mm/2Vrms
Signal-to-Noise Ratio (SNR) @1kHz 0dBFS	600Ω Load: Typ: 130dB @ 4.4mm/4Vrms; 125dB @ 3.5mm/2Vrms 32Ω Load: Typ: 130dB @ 4.4mm/4Vrms; 125dB @ 3.5mm/2Vrms
Total Harmonic Distortion(THD+N) @1kHz 0dBFS	600Ω Load: Typ: -110dB @ 4.4mm/2Vrms; -110dB @ 3.5mm/1Vrms 32Ω Load: Typ: -110dB @ 4.4mm/2Vrms; -105dB @ 3.5mm/1Vrms

Hardware Layout



Interface Button Name	Function Description
4.4mm Balanced Out	High Separation
3.5mm SE Out	Universal
Volume +/-	Independent Control
Play/Pause	In-line Remote Support
Gain Switch	High / Standard
USB-C Port	Digital Input

© **Physical Buttons:**

Use the three dedicated side buttons for quick adjustments without waking your screen.

© **Vol+ / Vol-:**

Short press to adjust volume; long press for continuous adjustment.

© **Play/Pause (Center):**

Press once to Play/Pause; double-click for the next track; triple-click for the previous track.

© **Gain Switch:**

Use the GAIN toggle to match your headphone's needs

© **HIGH:**

Best for high-impedance or power-hungry over-ear headphones.

© **STANDARD:**

Optimized for high-sensitivity In-Ear Monitors (IEMs) to eliminate background hiss.

Quick Operation Guide

1. Connecting to Mobile Devices

iOS (iPhone/iPad): Use a Lightning-to-USB-C or USB-C-to-USB-C OTG cable to connect your device to the DA5's USB-C input. Plug in your 3.5mm or 4.4mm headphones to begin.

Android: Connect using a USB-C-to-USB-C cable. The system will automatically recognize the DA5 as the primary audio output.

Audio Format Indicators: The LED indicator provides real-time feedback:

Blue: Standby / Connected.

Green: PCM playback.

Red: Native DSD playback.
playback.

2. Connecting to Computers

macOS: Plug-and-play. Go to System Settings > Sound and select "DA5" as the output device.

Windows: Plug-and-play for Windows 10/11. For native DSD256 and 768kHz PCM playback, it is recommended to use players like Foobar2000 and install the ASIO driver available at www.kaiboer.com.

3. Hardware Controls & Customization

Physical Buttons: Use the three dedicated side buttons for quick adjustments without waking your screen

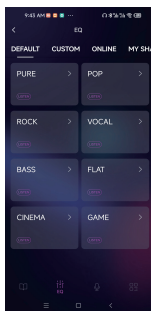
Vol+ / Vol-: Short press to adjust volume; long press for continuous adjustment.

Play/Pause (Center): Press once to Play/Pause; double-click for the next track; triple-click for the previous track.

Gain Switch: Use the GAIN toggle to match your headphone's needs.
HIGH: Best for high-impedance or power-hungry over-ear headphones.

STANDARD: Optimized for high-sensitivity In-Ear Monitors (IEMs) to eliminate background hiss.

App Integration (Android Only): Scan the QR code to install the "WALK PLAY" app. This allows you to customize the 8-band professional EQ and access preset sound modes like "Rock," "Pop," and "Vocal."



Kaiboer Limited Warranty Card

- 1、Automatic Sleep: The DA5 features intelligent detection. It consumes no power when headphones are disconnected.
- 2、Do not touch the machine or the power cord plug with wet hands.
- 3、Please turn off the power when the machine is not in use.
- 4、Care & Safety: Keep the device away from moisture, high temperatures, and corrosive environments.
- 5、Do not attempt to disassemble the unit or touch internal components.

Product certificate card

After inspection, this product has been found to comply with technical standards and is approved for shipment.

Kaiboer Limited Warranty Card Warranty Overview

Thank you for choosing Kaiboer. We are committed to providing high-quality audio solutions. This product is covered by a one-year (12-month) limited warranty from the original date of purchase. This warranty is provided to the original consumer purchaser and covers defects in materials or workmanship under normal use.

How to Obtain Warranty Service

If your product experiences a technical failure or quality issue:

Consult the Manual: Review the user guide or contact our online support for troubleshooting.

Contact Support: Reach out to your authorized dealer or contact Kaiboer Support directly.

Information Required: To expedite your claim, please provide the product model, accessories used, and a detailed description of the fault.

Warranty Exclusions

This limited warranty does not cover the following conditions, and repair fees may apply.

Expired Warranty: Products that have exceeded the 12-month warranty period.

Physical Damage: Damages caused by accidents, misuse, neglect, or improper handling (e.g., dropping the device).

Unauthorized Modification: Issues resulting from unauthorized disassembly, repairs, or circuit modifications.

Force Majeure: Damage caused by natural disasters, including but not limited to floods, fires, lightning, or earthquakes.

Inconsistent Documentation: Tampered warranty cards or products where the serial number does not match the documentation.

Warranty Card

Order ID:	
Personal or company's full name:	
Address/Postal Code:	
Telephone:	Email:
Purchase Date:	
Sales Platforms:	

Model:	Serial NO:
Product Quantity:	
Other Supplementary Notes:	

Thank you for choosing KAIBOER. please contact us directly by emailing notice@kaiboer.com. To get better services, please fill in there quired information.

Respectfully





SHENZHEN KAIBOER TECHNOLOGY CO.,LTD

**Add: 21st Floor, Building 2, Qianhai Kexing Science
Park, Xixiang Subdistrict, Bao'an District,
Shenzhen, Guangdong , China**

Tel: +86-755-83014160

Email: info@kaiboer.com

Web: www.kaiboer.com

Made in China