

[Manuals.plus](#) /

› [Hidizs](#) /

› Hidizs S9 Pro Plus Martha USB C DAC Dongle User Manual

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Hidizs S9 Pro Plus Martha USB C DAC Dongle User Manual

Model: S9 Pro Plus Martha | Brand: Hidizs

1. INTRODUCTION

The Hidizs S9 Pro Plus Martha is a portable USB-C Digital-to-Analog Converter (DAC) and amplifier designed to enhance audio quality across various devices. It features a high-performance DAC chip, dual headphone outputs (3.5mm single-ended and 4.4mm balanced), and multiple digital filter options to customize your listening experience. This manual provides essential information for setting up, operating, and maintaining your device.



Image 1.1: The Hidizs S9 Pro Plus Martha DAC Dongle highlighting its key specifications.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Professional Circuit Architecture:** Utilizes the ES9038Q2M DAC chip, supporting up to 32-bit/768kHz PCM sampling rate and DSD512. It achieves a high Signal-to-Noise Ratio (SNR) of up to 128 dB and ultra-low Total Harmonic Distortion plus Noise (THD+N) of -120 dB.
- **Powerful Output:** Delivers 138mW+138mW at 32Ω through the 3.5mm single-ended output and 180mW+180mW at 32Ω through the 4.4mm balanced output, capable of driving a wide range of headphones and IEMs.
- **Low Noise, Low Distortion:** Ensures exceptional audio quality with ultra-low distortion (0.0019% for 3.5mm SE, 0.0008% for 4.4mm BAL) and outstanding SNR (123 dB for SE, 120 dB for BAL).
- **Wide Compatibility:** Features a standard Type-C data interface for seamless connection with Windows, Mac OS, Android, iOS, and Harmony OS devices.
- **Six Filter Effects:** Offers six digital filter options, each with distinct RGB lighting visual effects, allowing for personalized sound tuning.



Image 2.1: The ES9038Q2M DAC chip, central to the device's high-fidelity audio processing.

2.2 Components

The S9 Pro Plus Martha package includes the following items:

- Hidizs S9 Pro Plus Martha DAC Dongle (x1)
- USB-C to USB-C Cable (x1)
- USB-A Adapter (x1)
- Hi-Res Audio Stickers
- Documentation (Warranty Card, QC Pass Card)



Image 2.2: The S9 Pro Plus Martha and its included accessories.

2.3 Product Design

The S9 Pro Plus Martha features a compact and durable design, crafted from aviation-grade aluminum alloy using CNC five-axis machining. It includes two physical buttons for volume control and filter selection, along with 3.5mm single-ended and 4.4mm balanced output ports, and a USB-C input port.



Image 2.3: The physical dimensions of the S9 Pro Plus Martha, measuring 55mm in length, 25mm in width, and 11mm in thickness.

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Video 2.1: An unboxing video demonstrating the contents and initial presentation of the Hidizs S9 Pro Plus Martha.

Your browser does not support the video tag.

Video 2.2: A video showcasing the design and physical features of the Hidizs S9 Pro Plus Martha DAC Dongle.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Hidizs S9 Pro Plus Martha:

1. **Connect to Source Device:** Use the provided USB-C to USB-C cable to connect the S9 Pro Plus Martha to your computer (Windows/Mac), Android phone, or iOS device. For iOS devices, a separate Lightning to USB-C adapter (not included) is required. Ensure the USB-C plug with the Hidizs logo faces up when connecting to the source device for proper recognition.

2. **Connect Headphones/IEMs:** Plug your 3.5mm single-ended or 4.4mm balanced headphones/IEMs into the corresponding output port on the S9 Pro Plus Martha.
3. **Driver Installation (Windows/Mac):** For Windows operating systems, specific drivers may be required for optimal performance. Please visit the official Hidizs website for the latest driver downloads. Mac OS typically recognizes the device automatically without additional drivers.
4. **Select Audio Output:** On your connected device, navigate to the sound settings and select "Hidizs S9 Pro Plus Martha" as the primary audio output device.



Image 3.1: The S9 Pro Plus Martha connected to various devices, demonstrating its versatility.

4. OPERATING INSTRUCTIONS

4.1 Volume Control

The S9 Pro Plus Martha features two physical buttons on its side for direct volume adjustment:

- Press the **top button** to increase the volume.
- Press the **bottom button** to decrease the volume.

Adjust the volume gradually to a comfortable listening level.

4.2 Filter Selection

The device offers six digital filter effects to tailor the sound to your preference. To cycle through these filters:

- Simultaneously press **both volume buttons** (top and bottom) to switch to the next filter.
- Each filter is accompanied by a distinct RGB lighting color, providing visual feedback on the selected filter.

5. DIGITAL FILTER OPTIONS

The S9 Pro Plus Martha provides six digital filter options, each indicated by a specific RGB LED color:

No.	Digital Filter	Color
1	PCM352.8/384 (kHz)	Red
2	PCM44.1/48/88.2/96 (kHz)	Green
3	PCM176.4/192 (kHz)	Blue
4	DSD64/128	Yellow
5	DSD256/512	Purple
6	PCM705.6/768 (kHz)	White



Image 5.1: The S9 Pro Plus Martha displaying the digital filter options and their associated RGB lighting.

6. COMPATIBILITY

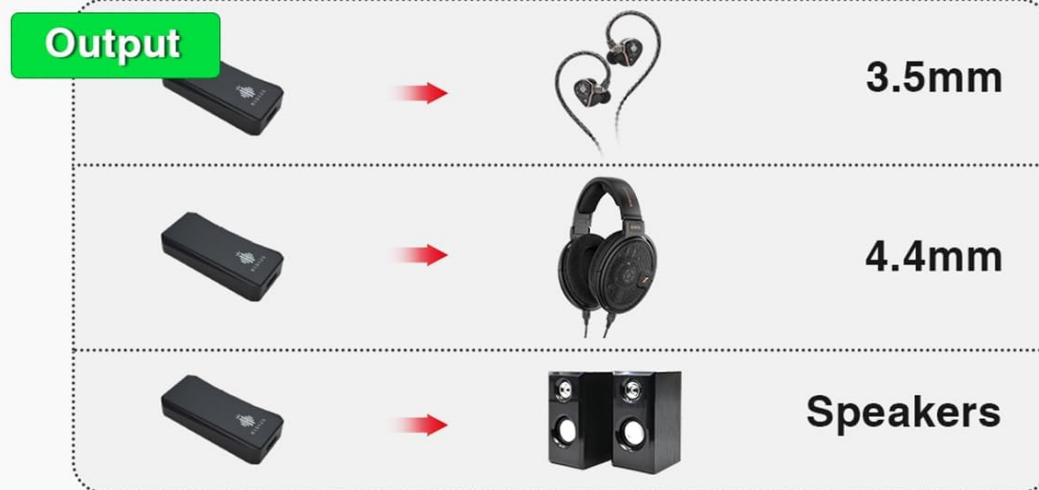
The Hidizs S9 Pro Plus Martha is designed for broad compatibility:

- **Operating Systems:** Fully compatible with Windows, Mac OS, Android, iOS, and Harmony OS.

- **Connection Interface:** Standard USB Type-C.
- **Headphone Outputs:** Supports both 3.5mm single-ended and 4.4mm balanced audio connections.

Note: For iOS devices, a separate Lightning to USB-C adapter is required for connection.

Dual 4.4mm/3.5mm Output Interfaces



Compatibility for All Platforms



Image 6.1: A visual representation of the S9 Pro Plus Martha's compatibility with various input devices and output audio equipment.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Hidizs S9 Pro Plus Martha, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the device. Avoid using harsh chemicals, solvents, or abrasive materials.
- **Environmental Conditions:** Do not expose the device to extreme temperatures, high humidity, or direct sunlight. Keep it away from water and other liquids.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Storage:** When not in use, store the device in a protective pouch or case to prevent scratches and damage.
- **Service:** Do not attempt to disassemble, modify, or repair the device yourself. Unauthorized repairs will void the warranty.

8. TROUBLESHOOTING

If you encounter issues with your S9 Pro Plus Martha, refer to the following common problems and solutions:

- **No Sound or Device Not Recognized:**
 - Ensure the USB-C cable is securely connected to both the S9 Pro Plus Martha and your source device. Some users have reported that the USB-C plug with the Hidizs logo must face up towards the source device for proper connection.
 - Verify that the "Hidizs S9 Pro Plus Martha" is selected as the audio output device in your operating system's sound settings.
 - Try using a different USB-C cable to rule out a faulty cable.
 - For Windows users, ensure that the necessary drivers are installed. These can be found on the official Hidizs website.
- **Abnormal Volume Increases or Glitches:**
 - This issue can sometimes be related to specific audio player applications. Try using a different audio player or a dedicated bit-perfect player like USB Audio Player Pro (for Android) to bypass potential software conflicts.
 - Always adjust the volume gradually using the S9 Pro Plus Martha's physical buttons. Avoid setting the source device's volume to maximum before connecting.
- **Electric Noise from 4.4mm Port:**
 - Ensure your 4.4mm balanced cable is fully inserted and securely connected.
 - Test with a different 4.4mm balanced cable, as some cables may introduce interference.
 - Try different headphones or IEMs to determine if the issue is with the audio equipment or the DAC.
- **Device Becomes Warm During Use:**
 - It is normal for the S9 Pro Plus Martha to become slightly warm during operation, especially when playing high-resolution audio or driving demanding headphones. This is part of its normal thermal management.
- **Increased Battery Drain on Mobile Devices:**
 - The S9 Pro Plus Martha draws power from the connected source device. Expect a noticeable increase in battery consumption on smartphones or tablets when using the DAC dongle.

9. SPECIFICATIONS

Feature	Specification
DAC Chip	ES9038Q2M
PCM Sampling Rate	Up to 32-bit/768kHz
DSD Support	DSD64/128/256/512
Signal-to-Noise Ratio (SNR)	Up to 128 dB
Total Harmonic Distortion + Noise (THD+N)	-120 dB
3.5mm Single-Ended Output Power	138mW+138mW @ 32Ω
4.4mm Balanced Output Power	180mW+180mW @ 32Ω
3.5mm Single-Ended THD	0.0019%

Feature	Specification
4.4mm Balanced THD	0.0008%
Material	Aviation-grade Aluminum Alloy
Interface	USB Type-C
Dimensions (L x W x T)	55mm x 25mm x 11mm (Approximate)
Item Weight	17 Grams

10. WARRANTY & SUPPORT

For detailed warranty information, technical support, and service inquiries, please visit the official Hidizs website or contact your authorized Hidizs dealer or distributor. Please retain your proof of purchase for any warranty claims.