

Audiolab P-DAC

Audiolab P-DAC Portable USB-C Headphone Amplifier and DAC User Manual

Model: P-DAC

INTRODUCTION

Thank you for choosing the Audiolab P-DAC Portable USB-C Headphone Amplifier and DAC. This device is designed to enhance your audio experience by providing high-resolution sound output from your USB-C enabled smartphone or tablet. Please read this manual carefully to ensure proper use and optimal performance of your P-DAC.

PRODUCT OVERVIEW

The Audiolab P-DAC is a compact and lightweight digital-to-analog converter (DAC) and headphone amplifier. It connects to your device via a USB-C port and provides a 3.5mm audio jack for your headphones, bypassing the internal audio circuitry of your phone for improved sound quality.



Image: The Audiolab P-DAC, a compact silver device with a braided cable and USB-C connector, featuring the 'audiolab' logo on its body and a 3.5mm headphone jack at the end.

KEY FEATURES

- **High-Resolution Audio:** Supports audio up to 24-bit/192kHz.
- **Built-in ESS Amplifier:** Enhances audio output for a clearer and more powerful sound.
- **USB-C Connectivity:** Compatible with Android phones and other devices featuring a USB-C port.
- **Compact and Portable Design:** Lightweight aluminum construction for easy transport.
- **No External Power Required:** Powered directly by the connected device.

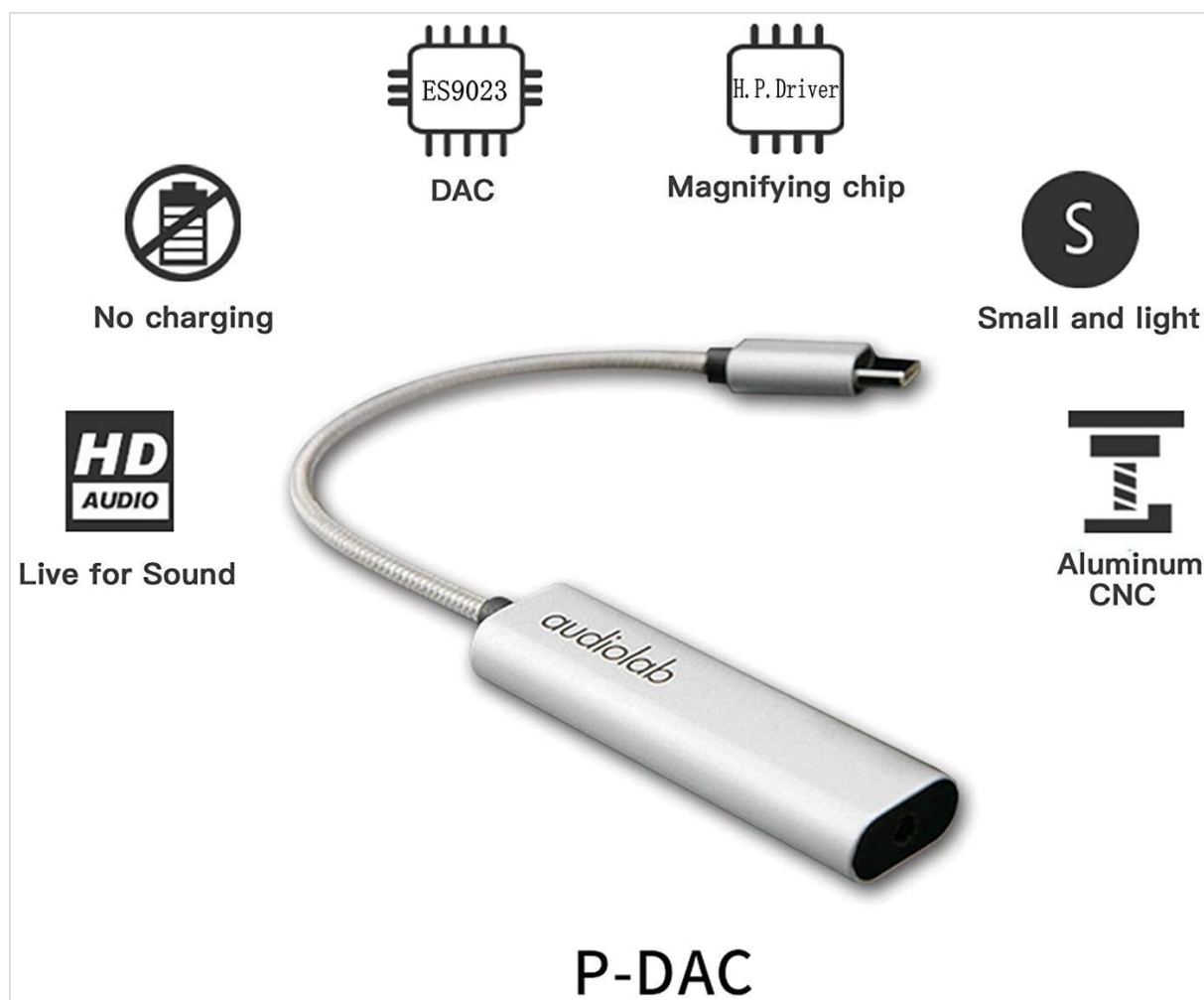


Image: Diagram illustrating key features of the P-DAC, including ES9023 DAC, H.P. Driver (magnifying chip), no charging required, small and light design, HD Audio support, and Aluminum CNC construction.

PACKAGE CONTENTS

Please check the package for the following items:

- Audiolab P-DAC Portable USB-C Headphone Amplifier and DAC
- User Manual (this document)

SETUP INSTRUCTIONS

1. **Connect to Device:** Insert the USB-C connector of the Audiolab P-DAC into the USB-C port of your Android phone or compatible device.
2. **Connect Headphones:** Plug your 3.5mm headphones into the audio jack on the Audiolab P-DAC.
3. **Device Recognition:** Your device should automatically recognize the P-DAC as an external audio output device. If prompted, select the P-DAC as the preferred audio output.
4. **Android Settings (if needed):** For some Android devices, you may need to go to *Developer Options* and set the *Default USB configuration* to "File Transfer" or "Audio Source" if audio does not play automatically.



Image: Diagram showing the Audiolab P-DAC connected to a smartphone via USB-C, with headphones plugged into the P-DAC's 3.5mm jack, illustrating the setup process.

OPERATING INSTRUCTIONS

Once connected, the Audiolab P-DAC operates seamlessly with your device's audio playback.

- **Volume Control:** Adjust the volume directly from your connected smartphone or tablet. The P-DAC amplifies the signal, so you may find that lower volume settings on your device provide sufficient loudness.
- **Audio Playback:** Start playing audio from any application on your device (music player, streaming service, video player). The sound will be routed through the P-DAC to your connected headphones.
- **Power Consumption:** The P-DAC draws power from your connected device. While power consumption is minimal, prolonged use may slightly affect your device's battery life.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the P-DAC. Do not use liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or excessive pulling on the cable to prevent damage.

TROUBLESHOOTING

Problem	Possible Solution
No sound output.	Ensure the P-DAC is fully inserted into your device's USB-C port. Verify headphones are securely plugged into the P-DAC's 3.5mm jack. Check your device's volume settings. In Android <i>Developer Options</i> , try setting <i>Default USB configuration</i> to "File Transfer" or "Audio Source". Restart your connected device.
Sound is distorted or intermittent.	Ensure the cable is not damaged or bent sharply. Try a different pair of headphones to rule out headphone issues. Test with another USB-C device if available.
P-DAC gets warm during use.	This is normal operation, especially during extended use, as the device processes and amplifies audio. If it becomes excessively hot, discontinue use and contact support.

SPECIFICATIONS

Parameter	Value
Connector	USB-C / AUX 3.5mm
DAC Chip	Built-in ESS Amplifier (ES9023)
Frequency Response	5Hz-50kHz
Sampling Rate	Up to 24-bit/192kHz
Signal to Noise Ratio (SNR)	110dB
Dynamic Range	-94dB
Weight	17g (0.6 ounces)
Supported Devices	Android OS 5.0 and above (with USB-C port)
Material	Aluminum

Parameter	Value
Product Dimensions	2.25 x 0.67 x 0.32 inches

• PARAMETER

CONNECTOR:USB-C/AUX 3.5MM

CHIP: BUILT-IN ESS AMPLIFIER

FREQUENCY RESPOND:5HZ-50KHZ

SAMPLING RATE:UP TO 24BIT/192KHZ

SIGNAL TO NOISE RATIO: 110DB

DYNAMIC RANGE:-94DB

AMPLIFIER WEIGHT(G):17G

SUPPORT DEVICES:ANDROID OS 5.0 ABOVE

MATERIAL: ALUMINUM



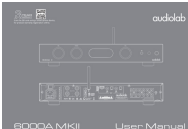

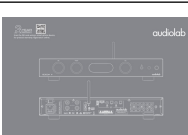


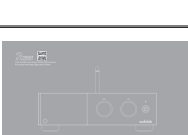
Image: A detailed list of the Audiolab P-DAC's technical specifications, including connector type, chip, frequency response, sampling rate, signal-to-noise ratio, dynamic range, weight, supported devices, and material.

WARRANTY AND SUPPORT

Audiolab products are manufactured to high quality standards. For warranty information and technical support, please refer to the warranty card included with your purchase or visit the official Audiolab website. Keep your proof of purchase for warranty claims.

For further assistance, you may contact the seller directly through the platform where the product was purchased.

Related Documents - P-DAC

	<p>Audiolab 6000A MKII Integrated Amplifier User Manual</p> <p>Comprehensive user manual for the Audiolab 6000A MKII integrated amplifier, detailing its features, connections, operation, safety guidelines, specifications, and warranty information.</p>	
	<p>Audiolab M-ONE User Manual: Integrated Amplifier Guide</p> <p>Comprehensive user manual for the Audiolab M-ONE Bluetooth Integrated Amplifier, covering setup, operation, connections, safety, specifications, and warranty information.</p>	
	<p>Audiolab 6000A MKII Integrated Amplifier User Manual</p> <p>Comprehensive user manual for the Audiolab 6000A MKII integrated amplifier, covering safety information, setup, operation, connections, specifications, and warranty details.</p>	
	<p>Audiolab D7 User Manual</p> <p>User manual for the Audiolab D7 DAC, featuring MQA decoding, Bluetooth 5.1, and a range of digital and analog inputs and outputs. Includes setup, operation, menu options, and warranty information.</p>	
	<p>Audiolab M-ONE</p> <p>Audiolab M-ONE</p>	<p>USB DAC iPhone/iPad</p>
	<p>Audiolab D9 User Manual: High-Resolution DAC and Amplifier Guide</p> <p>Comprehensive user manual for the Audiolab D9 high-resolution DAC, detailing its features, setup, controls, connections, menu options, system operations, playback capabilities, and warranty information.</p>	