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## S.M.S.L IVY

# S.M.S.L IVY Mini Portable USB DAC Headphone Amplifier User Manual

Model: IVY

## 1. INTRODUCTION

The S.M.S.L IVY is a compact and portable Digital-to-Analog Converter (DAC) and headphone amplifier designed to enhance the audio quality from your Android mobile device. It features a MICRO USB input for direct connection to compatible Android cellphones and a 3.5mm headphone jack output. The IVY is an all-in-one solution for improved portable audio.

## 2. SAFETY INFORMATION

- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the device. This will void the warranty.
- Use only with compatible Android devices (version 4.0 and above) that support OTG functionality.
- Prolonged listening at high volume levels may cause hearing damage. Adjust volume responsibly.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x S.M.S.L IVY Headphones Amplifier
- 1 x Small Carrying Bag
- 1 x User Manual (this document)

## 4. PRODUCT OVERVIEW

The S.M.S.L IVY features a durable aluminum alloy casing and intuitive controls. It integrates a high-quality DAC for superior audio conversion and a headphone amplifier for driving various headphones.



Figure 1: Top view of the S.M.S.L IVY, showing the MICRO USB connector on the left, the volume control buttons in the center, and the 3.5mm headphone jack on the right.



Figure 2: Angled view of the S.M.S.L IVY, highlighting the MICRO USB input and the 3.5mm audio output port.

## 5. SETUP

The S.M.S.L IVY is designed for plug-and-play operation with compatible Android devices.

1. **Compatibility Check:** Ensure your Android cellphone is running Android 4.0 or above and supports USB On-The-Go (OTG) functionality.
2. **Connect Headphones:** Plug your headphones into the 3.5mm headphone jack on the S.M.S.L IVY.
3. **Connect to Android Device:** Connect the MICRO USB connector of the S.M.S.L IVY directly into the MICRO USB port of your Android cellphone.
4. **Automatic Recognition:** Your Android device should automatically recognize the S.M.S.L IVY as an external audio output device. No additional drivers are typically required.



Figure 3: The S.M.S.L IVY connected to a mobile device (represented by a finger for scale), demonstrating its compact size and direct connection method.

## 6. OPERATION

Once connected, the S.M.S.L IVY will function as your Android device's primary audio output.

- **Audio Playback:** Play any audio content (music, videos, calls) on your Android device. The sound will be routed through the S.M.S.L IVY to your connected headphones.
- **Volume Control:** The S.M.S.L IVY features integrated volume control buttons. Use these buttons to adjust the output volume directly from the device.
- **Power:** The device draws power directly from your Android cellphone via the USB connection. No external power source is required.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the S.M.S.L IVY in the provided small bag to protect it from dust and scratches.
- **Connector Care:** Handle the MICRO USB connector carefully to prevent damage. Avoid bending or twisting

it excessively.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	Headphones not properly connected. Volume too low on IVY or Android device. Android device not recognizing IVY. Android device does not support OTG.	Ensure headphones are fully plugged into the 3.5mm jack. Increase volume using the IVY's buttons and your Android device's volume controls. Disconnect and reconnect the IVY. Restart your Android device. Verify your Android device's OTG compatibility.
Sound is distorted or low quality.	Poor audio source quality. Damaged headphones or cable. Interference.	Try a different audio file or streaming service. Test with another pair of headphones. Ensure no other electronic devices are causing interference nearby.
IVY gets warm during use.	Normal operation.	This is normal for electronic devices, especially when processing audio. If it becomes excessively hot, discontinue use and contact support.

## 9. SPECIFICATIONS

<b>Model</b>	IVY
<b>Type</b>	USB DAC / Headphone Amplifier
<b>USB Input</b>	MICRO USB (Synchronous transmission)
<b>USB Audio Support</b>	32/44.1/48kHz/16bit
<b>Output Connector</b>	3.5mm Headphone Jack
<b>THD+N</b>	0.009%
<b>Dynamic Range</b>	95dB
<b>SNR</b>	95dB
<b>Power Consumption</b>	0.5W
<b>Dimensions (excluding USB bulge)</b>	1.5 x 0.7 x 0.3 inches (38 x 18 x 8 mm approx.)
<b>Weight</b>	0.3 oz (8.5 g approx.)
<b>Supported OS</b>	Native Android (4.0 and above) with OTG support



Figure 4: Dimensional drawing of the S.M.S.L IVY, indicating its compact size.

## 10. WARRANTY AND SUPPORT

The S.M.S.L IVY comes with a **30-Day money back guarantee** and a **1-year replacement warranty**. For any questions, technical support, or warranty claims, please contact your retailer or S.M.S.L customer service. We are committed to ensuring your satisfaction.