

eSync ESY311

eSync ESY311 Portable HiFi Headphone Amplifier User Manual

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your eSync ESY311 Portable HiFi Headphone Amplifier. Please read these instructions carefully before operating the device to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1 Included Components

- 1 x eSync ESY311 Headphone Amplifier
- 1 x 12cm 3.5MM Audio Cable
- 1 x 100cm 3.5MM Audio Cable
- 1 x USB Charging Cable

The image below shows the contents typically included in the product packaging.



Image: The eSYNiC ESY311 Headphone Amplifier, a short 3.5mm audio cable, a longer 3.5mm audio cable, and a USB charging cable are displayed on a white background.

2.2 Key Features

- **High-Fidelity Amplification:** Engineered with a dual-voltage ($\pm 4V$) circuit, delivering pristine audio reproduction across 16-600 Ω impedance ranges. Achieves >100dB SNR and ultra-low distortion (0.0003% THD+N) for accurate monitoring.
- **Extended Operation:** The 1000mAh lithium battery provides over 8 hours of continuous playback at 80mW output into 600 Ω loads. Intelligent power management ensures consistent voltage regulation.
- **Two-Stage Gain Switch:** Selectable gain settings (low/high) ensure proper load matching for various headphones. Low gain is suitable for 16-32 Ω (IEMs/earbuds), while high gain is for 50-600 Ω (monitoring headphones).
- **Durable Construction:** Made of 6061 aerospace-grade aluminum, the enclosure provides RF/EMI shielding and optimal thermal dissipation. Its portable form factor (95×52×13mm) makes it convenient for travel.
- **Universal Connectivity:** Features a standard 3.5mm audio jack, compatible with mobile devices, professional audio interfaces, and legacy playback systems.

The amplifier's design focuses on enhancing audio quality and user convenience.

Effectively Filter Out Noise

Enjoy High-Quality Audio

eSynic

- ✓ Exquisite Design
Acoustic Circuits
- ✓ Fine Selection Devices
- ✓ Repeated Polishing
Tuning

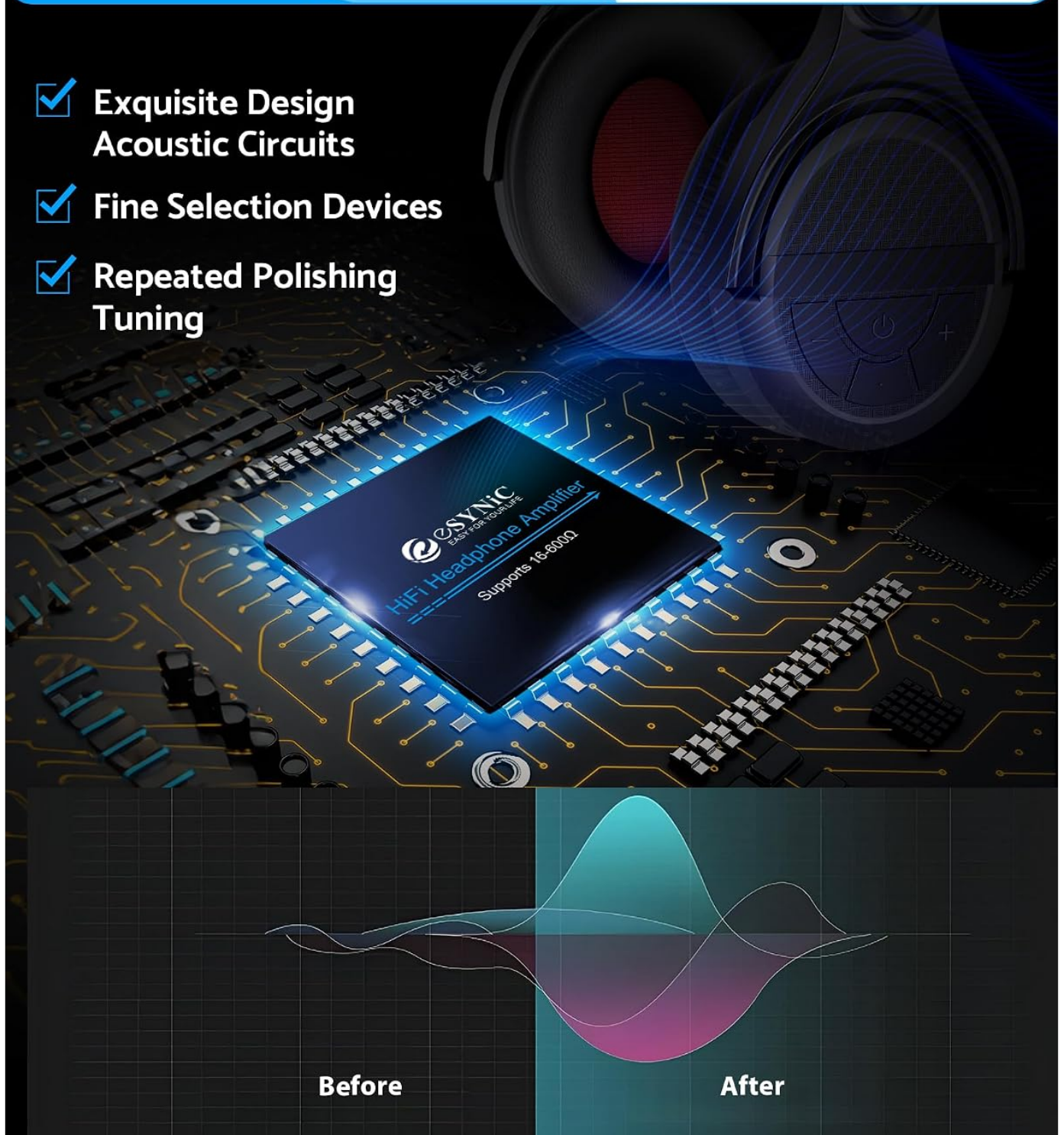


Image: A graphic illustrating the noise filtering capabilities of the eSynic HiFi Headphone Amplifier, showing a cleaner audio waveform after processing.

3. SETUP

3.1 Charging the Device

Before first use, fully charge the amplifier using the provided USB charging cable. Connect the USB cable to the DC 5V

port on the amplifier and the other end to a compatible USB power source (e.g., computer USB port, USB wall adapter).



Image: The eSynic Headphone Amplifier is shown connected to a laptop via a USB-C cable for charging.

3.2 Connecting Audio Sources and Headphones

1. Connect your audio source (e.g., MP3 player, smartphone, PC) to the **INPUT** port of the amplifier using one of the provided 3.5mm audio cables.
2. Connect your headphones or speakers to the **OUTPUT** port of the amplifier using a 3.5mm audio cable.

The amplifier supports a wide range of headphones with impedance from 16Ω to 600Ω.

3.5mm Jack Input/Output

Compatible with Various Digital Devices, Achieve a Vibrant Boost in Audio Quality Stability

esyncic



Input



Mobile Phone



Mp3 Player



Laptops

Output



Headphone



Speaker

Image: The eSyncic Headphone Amplifier is shown connected to a mobile phone as an input source and to headphones and speakers as output devices.

Setup Demonstration Video

Your browser does not support the video tag.

Video: This official eSyncic video demonstrates the unboxing, connection, and basic usage of the eSyncic Professional Headphone

Amplifier, showing how to connect it to a phone and headphones.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off and Volume Control

To power on the amplifier, rotate the **PWR** knob clockwise. The power indicator light will illuminate. Continue rotating to adjust the volume. To power off, rotate the knob counter-clockwise until it clicks and the light turns off.

4.2 Gain Switch

The amplifier features a two-stage gain switch (H/L) located on the side. Use the 'L' (Low) setting for low-impedance headphones (16-32 Ω) like earbuds, and the 'H' (High) setting for high-impedance headphones (50-600 Ω) to achieve optimal sound levels and quality.

eSonic

Fine-Tune H/L, Made the Sound More Real Stereo



3.5MM Headphone Jack Input and Output

Modify the sound quality to form personality, more realistic and real stereo sound



Aluminum Matte Surface

Noise reduction and reduced signal transmission loss

Two-Stage Gain Switch

SNR>100dB

THD+N:0.005%

Frequency Response (± 0.5 dB)

20Hz-20kHz

Gain=OFF:+11.5dB, Gain=ON:+22.5dB

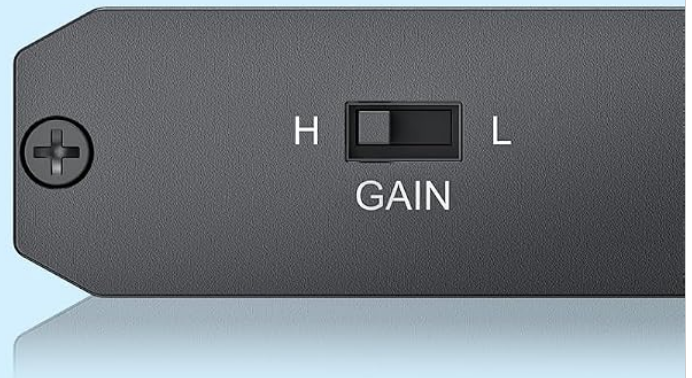


Image: A close-up view of the eSonic Headphone Amplifier, highlighting the INPUT and OUTPUT jacks, the PWR (power/volume) knob, and the H/L (gain) switch.

5. MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth.
- Avoid exposing the amplifier to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.

- Store the amplifier in a cool, dry place when not in use.

6. TROUBLESHOOTING

6.1 No Sound Output

- Ensure the amplifier is powered on and the volume knob is turned up.
- Check all audio cable connections (input and output) to ensure they are secure.
- Verify that your audio source is playing and its volume is not muted or too low.
- Confirm that your headphones or speakers are functioning correctly.

6.2 Distorted Sound

- Adjust the volume on both the amplifier and your audio source to prevent clipping.
- Check the gain switch setting. If using low-impedance headphones, switch to 'L' gain.
- Ensure audio cables are not damaged or faulty.

6.3 Device Not Charging

- Verify the USB charging cable is properly connected to both the amplifier and the power source.
- Try a different USB port or power adapter.
- Ensure the charging cable is not damaged.

7. SPECIFICATIONS

Specification	Value
Model	ESY311
Brand	eSynic
Item Dimensions (L x W x H)	3.74 x 2.05 x 0.51 inches
Material Type	Aluminum
Voltage	3.7 Volts (DC)
Number of Channels	1
Supported Impedance	16-600Ω
THD+N	0.0003%
SNR	>100dB
Battery Capacity	1000mAh

The image below provides a visual representation of the product's dimensions.

esynic

Portable To Go
Compact in Size, Experience
Sensational Audio Anytime, Anywhere

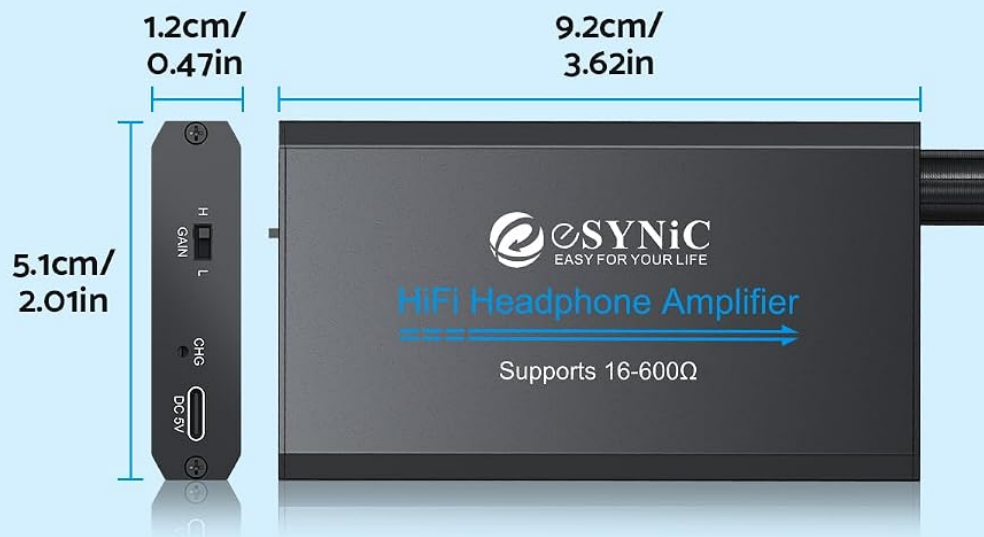


Image: The eSynic Headphone Amplifier is shown with its length (9.2cm / 3.62in), width (5.1cm / 2.01in), and thickness (1.2cm / 0.47in) clearly labeled.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This eSynic product comes with a 12-month warranty from the date of purchase. The warranty covers manufacturing

defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact eSync customer support through the retailer where the product was purchased or visit the official eSync website for contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Email

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Question

Details

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