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YGiTK KTY014us

YGiTK Professional Headphone Amplifier User Manual

Model: KTY014us | Brand: YGiTK

1. Introduction

The YGiTK Professional 16-600Ω Headphone Amplifier is engineered to enhance your audio experience by providing powerful and clear sound for a wide range of headphones. Its portable design, combined with features like bass boost, adjustable volume, and a gain switch, makes it an ideal companion for audiophiles on the go. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance of your device.



Image: YGiTK Professional Headphone Amplifier with its accompanying audio cables.

2. Package Contents

Please verify that all items listed below are included in your package:

- YGiTK Professional Headphone Amplifier Unit
- USB-C Charging Cable
- 3.5mm Audio Cable (L-shaped connectors)



Image: All components included in the YGiTK Headphone Amplifier package.

3. Product Features and Components

The YGiTK Headphone Amplifier is designed with user-friendly controls and robust features:

- **16-600Ω Headphone Compatibility:** Provides high-fidelity audio for a wide range of headphone impedances.
- **Bass and Volume Control Knobs:** Independently adjust bass intensity and overall volume for a customized listening experience.
- **3.5mm Aux In and Out:** Universal connectivity for various digital devices.
- **Two-Stage Gain Switch (L-GAIN-H):** Adjusts amplification level based on headphone sensitivity or input signal strength.
- **Durable Aluminum Enclosure:** Reduces signal interference and increases heat resistance.
- **Rechargeable 1350mAh Battery:** Provides 8 to 10 hours of continuous playback.
- **Type-C Charging Port:** Modern and convenient charging interface.

Component Overview

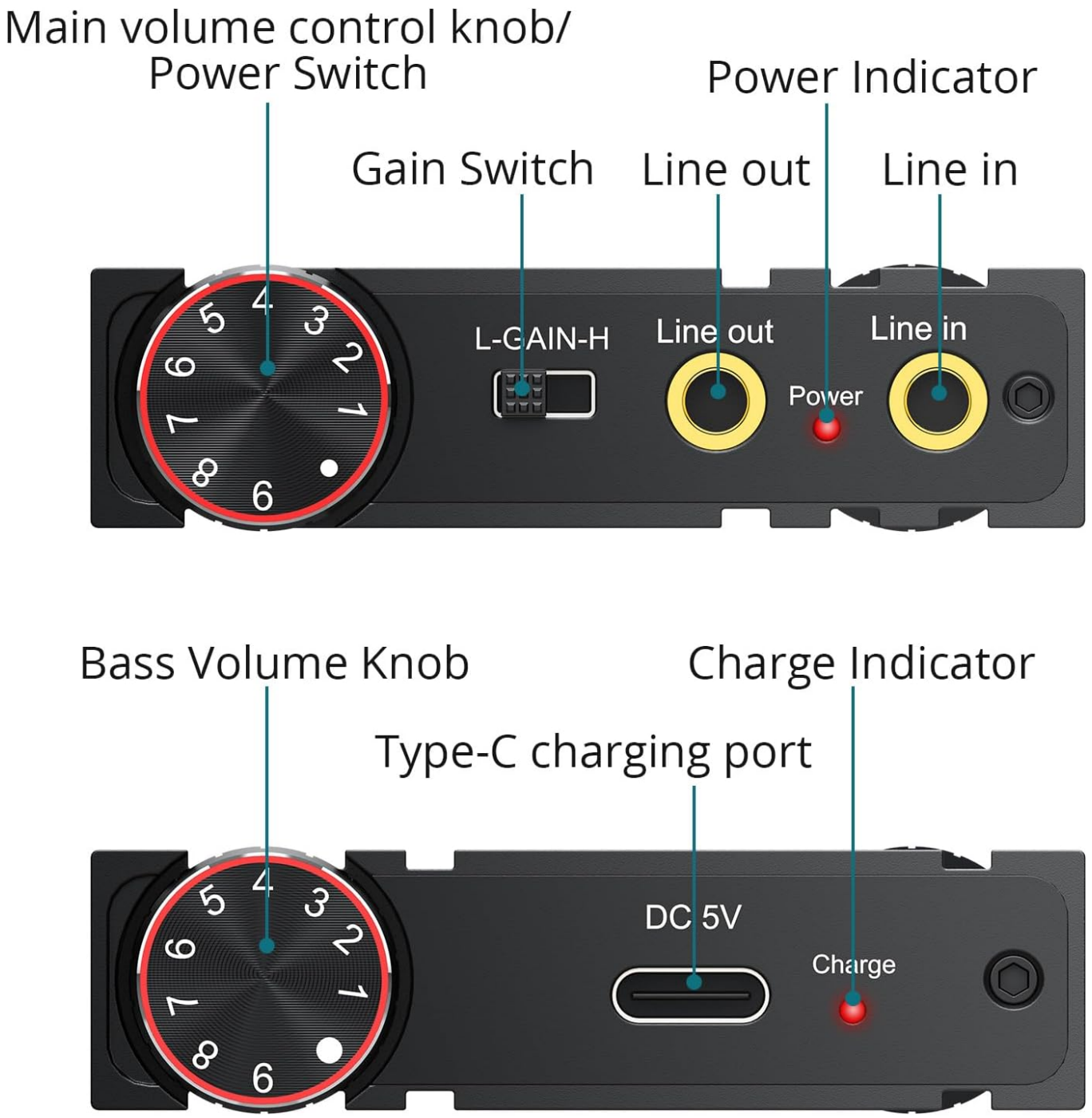

Image: Detailed diagram of the amplifier's controls and ports.

4. Setup

Follow these steps to set up your YGiTK Headphone Amplifier:

1. **Charge the Amplifier:** Connect the provided USB-C charging cable to the Type-C charging port on the amplifier and plug the other end into a 5V USB power adapter (not included). The charge indicator light will illuminate during charging.
2. **Connect Audio Source:** Use the 3.5mm audio cable to connect your audio source (e.g., phone, MP3 player, computer) to the 'Line in' port on the amplifier.
3. **Connect Headphones:** Plug your headphones into the 'Line out' port on the amplifier.

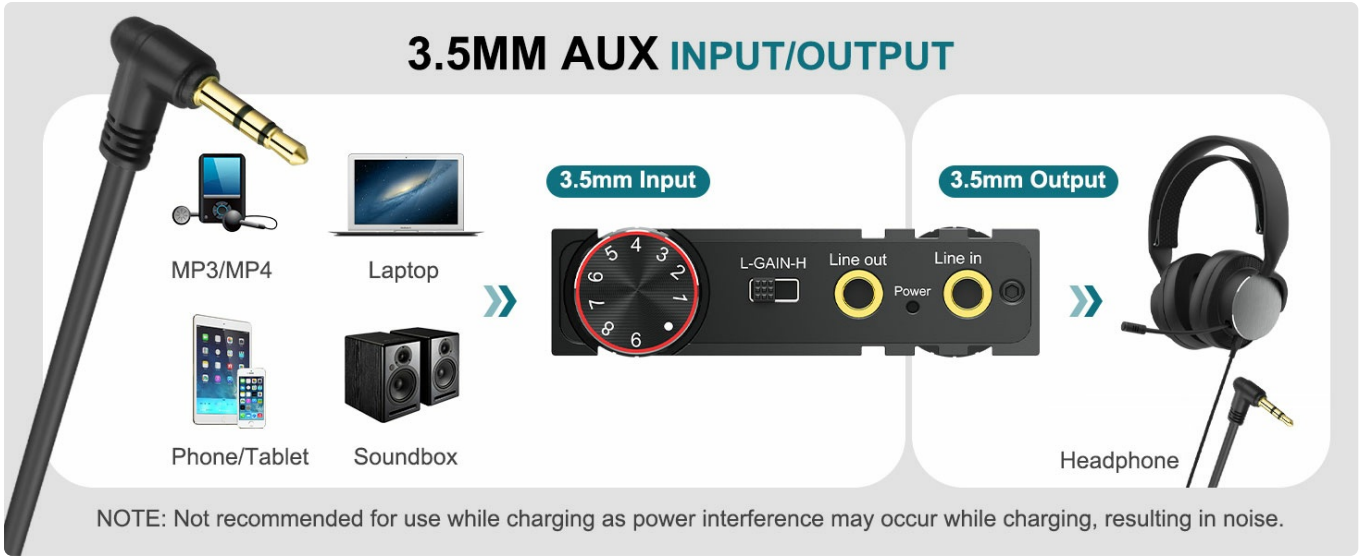

Image: Visual guide for connecting audio input and output.

Setup Demonstration Video

▶ **Watch video online**

Professional Headphone Amplifier with Bass Boost

Video: Official product video demonstrating the features and usage of the YGiTK Professional Headphone Amplifier, including unboxing, connections, and control adjustments.

5. Operating Instructions

Once connected, operate your amplifier as follows:

1. **Power On/Off and Volume Control:** Turn the 'Master Volume' knob clockwise to power on the device and increase the volume. Turn it counter-clockwise to decrease volume and power off the device. The power indicator light will turn on when the device is active.
2. **Adjusting Bass:** Use the 'Bass Volume' knob to adjust the intensity of the bass output. Rotate clockwise for more bass, counter-clockwise for less.
3. **Using the Gain Switch:** The 'L-GAIN-H' switch allows you to select between low (L) and high (H) gain settings. Use the low gain setting for sensitive headphones or strong input signals to prevent distortion. Use the high gain setting for less sensitive headphones or weaker input signals to achieve sufficient volume.



EQUIPPED WITH BASS ADJUSTMENT BUTTON

Flexibly adjust the intensity of bass to provide more delicate and mellow bass performance

Image: Close-up of the bass adjustment knob.



Image: User adjusting the gain switch.

6. Maintenance

To ensure the longevity and optimal performance of your amplifier:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping the device or subjecting it to strong impacts.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.

7. Troubleshooting

If you encounter issues with your amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Amplifier not powered on; Volume too low; Incorrect cable connection; Audio source issue.	Ensure amplifier is on and charged; Increase volume; Check all 3.5mm cable connections; Verify audio source is playing.
Distortion or static noise	Gain setting too high; Poor quality audio source; Interference from charging (if used while charging).	Switch to low gain (L); Try a different audio source; Avoid using the amplifier while charging.
Low volume output	Volume knob too low; Low gain setting; Low volume on audio source.	Increase amplifier volume; Switch to high gain (H); Increase volume on your audio source device.
Battery not charging	Faulty USB-C cable; Power adapter issue; Charging port damage.	Try a different USB-C cable; Use a different 5V USB power adapter; Contact support if port is damaged.

8. Specifications

Feature	Specification
Model Name	headphone AMP (KTY014us)
Brand	YGiTK
Impedance Range	16-600Ω
Connectivity Technology	Wired (3.5mm Jack)
Frequency Response	20 Hz - 20,000 Hz
SNR	>100dB
THD+N	=0.0003%
Battery Capacity	1350mAh Lithium Polymer

Feature	Specification
Battery Life	8-10 hours
Charging Port	Type-C (DC 5V)
Material	Aluminum
Item Weight	7.7 ounces
Package Dimensions	6.26 x 4.72 x 0.75 inches
Compatible Devices	Phones, Mac, iPad, MP3, MP4 Computers, PS4 PS5 Controller



Image: Dimensions of the YGiTK Headphone Amplifier.

9. Warranty and Support

YGiTK is committed to providing high-quality products. For warranty information, technical support, or any inquiries regarding your YGiTK Professional Headphone Amplifier, please refer to the contact information provided with your purchase or visit the official YGiTK store on Amazon:

Visit the YGiTK Store on Amazon

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