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YGiTK KTYDAC152uk

YGiTK 4-Channel Headphone Amplifier

Model: KTYDAC152uk

Brand: YGiTK

Introduction

This manual provides detailed instructions for the YGiTK 4-Channel Headphone Amplifier, designed to distribute a single audio source to multiple headphones with individual volume control. It supports various input types and offers flexible monitoring options for personal and professional audio applications.



Figure 1: Front view of the YGiTK 4-Channel Headphone Amplifier, showcasing its compact design and controls.

Package Contents

Before setup, please verify that all items listed below are included in your package:

- 1 x YGiTK 4-Channel Headphone Amplifier
- 1 x 5V AC Power Adapter
- 1 x RCA Audio Cable
- 1 x 3.5mm Audio Cable
- 1 x User Manual



Figure 2: All components included in the YGiTK 4-Channel Headphone Amplifier package.

Setup

Follow these steps to set up your headphone amplifier:

1. **Power Connection:** Connect the provided 5V AC power adapter to the 'DC 5V 2A' input port on the rear of the amplifier and plug it into a power outlet.
2. **Audio Input:** The amplifier features three types of audio input jacks on the rear panel:
   - **AV Stereo Input:** Use RCA cables to connect audio sources such as CD players or mixers.
   - **1/8" (3.5mm) Input:** Connect devices with a 3.5mm audio output, like smartphones or computers, using the provided 3.5mm audio cable.
   - **1/4" (6.35mm) Input:** Connect professional audio equipment with a 6.35mm output, such as guitars or keyboards.

   You can use multiple input channels simultaneously for a mixing effect. Each input has a dedicated mute switch on the front panel.

3. **Headphone Output:** Connect your headphones to the front panel. The amplifier provides 4 x 1/4" (6.35mm) and 4 x 1/8" (3.5mm) stereo headphone TRS output connector jacks, allowing up to 8 headphones to be connected at once.

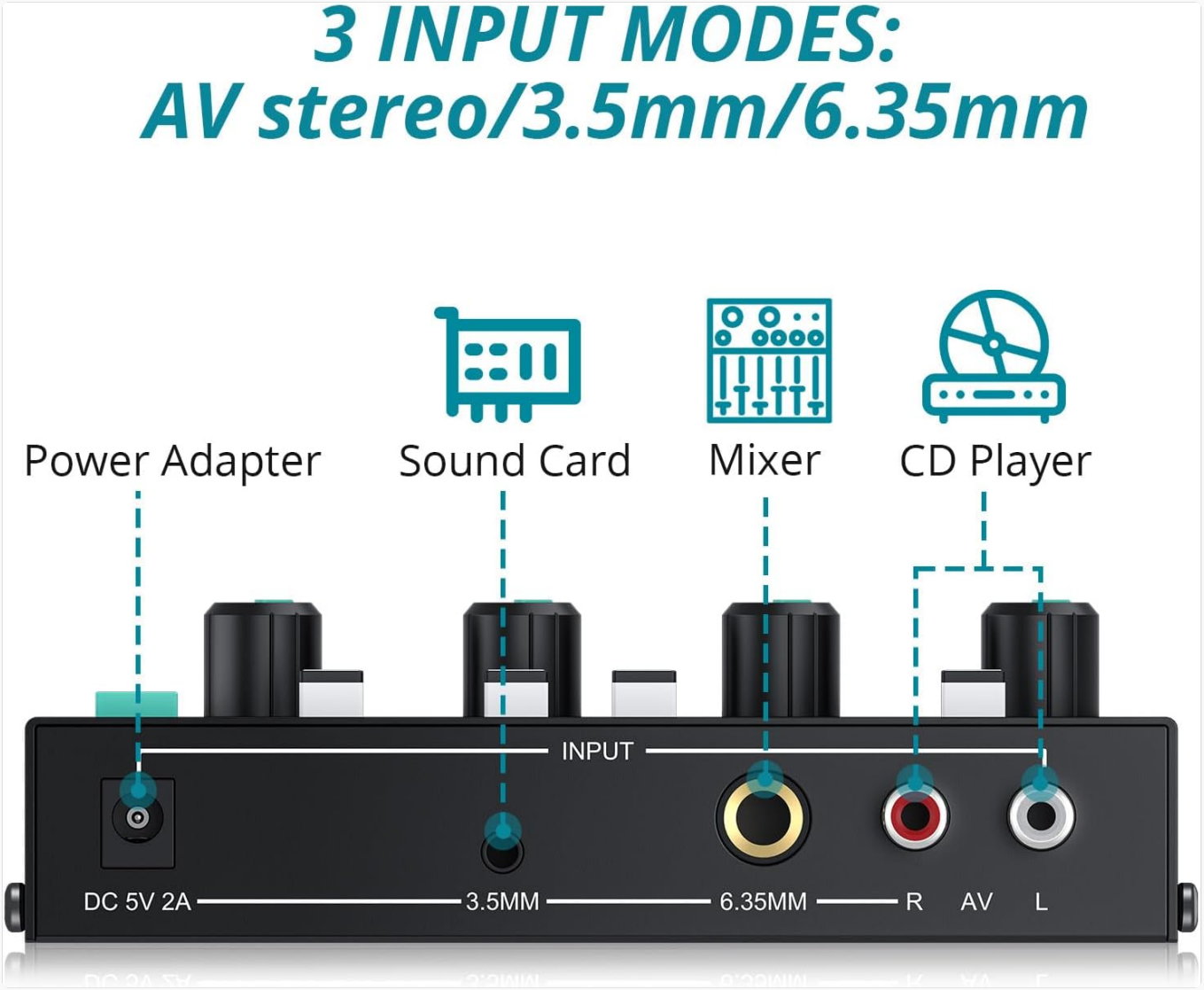


Figure 3: Illustration of the three available audio input modes on the amplifier.



Figure 4: Overview of the 8 stereo output jacks, allowing multiple users to connect headphones simultaneously.

Operation

Operating the YGiTK Headphone Amplifier is straightforward:

1. **Power On/Off:** Use the independent power switch located on the front panel to turn the unit on or off. This helps conserve energy and simplifies operation.
2. **Individual Volume Control:** Each of the four output channels has a dedicated volume knob (Level 1-4). Rotate the knob clockwise to increase volume and counter-clockwise to decrease it. This allows each connected user to independently control their headphone volume.
3. **Input Mute Switches:** For each input type (AV, 6.35mm, 3.5mm), there is a corresponding mute switch. Press the switch to mute or unmute the respective input signal. This is useful for adjusting the mix when multiple audio sources are connected.
4. **MONO/STEREO Control:** The amplifier features an independent MONO/STEREO control button. Press this button to toggle between mono and stereo output modes, allowing you to simulate different audio effects or adapt to specific monitoring needs.

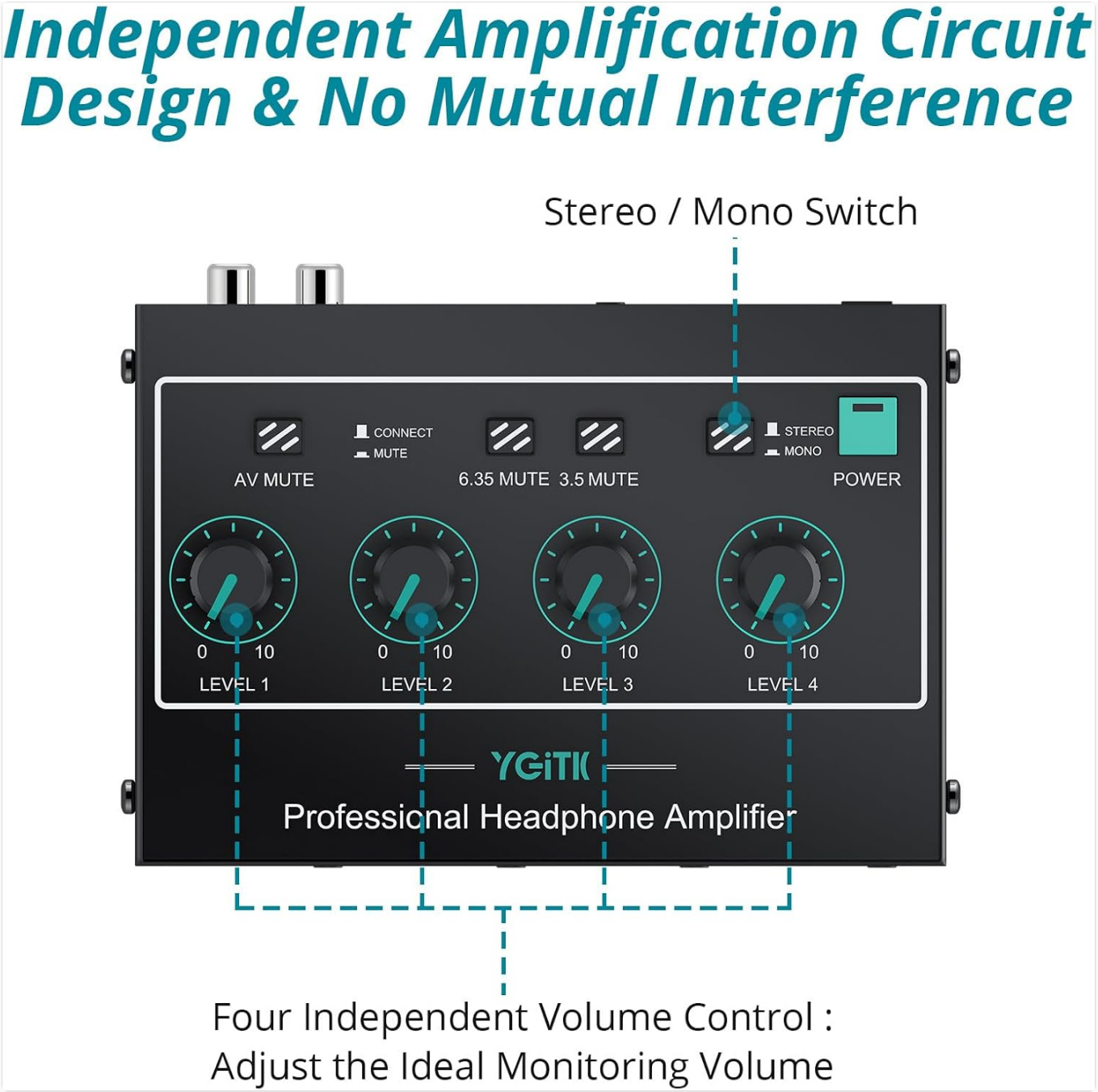


Figure 5: Detailed view of the amplifier's front panel, highlighting the independent volume controls, input mute switches, and the Stereo/Mono switch.

Maintenance

To ensure the longevity and optimal performance of your YGiTK Headphone Amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners, aerosols, or solvents, as they may damage the finish or internal components.
- **Environment:** Operate the amplifier in a dry, well-ventilated area. Avoid exposing it to extreme temperatures, humidity, or direct sunlight.
- **Handling:** The amplifier features a full metal housing designed for durability and to reduce electromagnetic interference. While robust, avoid dropping the unit or subjecting it to strong impacts.
- **Storage:** When not in use for extended periods, disconnect the power adapter and store the unit in a cool, dry place.



Figure 6: The amplifier's full metal housing contributes to its durability and helps reduce noise.

Troubleshooting

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

Problem	Possible Cause	Solution
No sound from headphones.	Power off; incorrect connections; input muted; volume too low.	Ensure power switch is ON. Check all audio cable connections. Verify input mute switches are OFF. Increase individual channel volume.
Distorted or low-quality sound.	Input signal too strong/weak; faulty cable; interference.	Adjust input source volume. Try different audio cables. Ensure proper grounding. The amplifier utilizes high-quality filtering inductors for noise cancellation.
Humming or buzzing noise.	Ground loop; electromagnetic interference.	Ensure all equipment is properly grounded. Try plugging devices into the same power strip. The metal housing helps reduce EMI.

Problem	Possible Cause	Solution
Only one side of headphones has sound.	Mono mode selected; faulty headphone cable; incorrect connection.	Check if the MONO/STEREO button is set to STEREO. Test with different headphones. Ensure headphone cable is fully inserted.

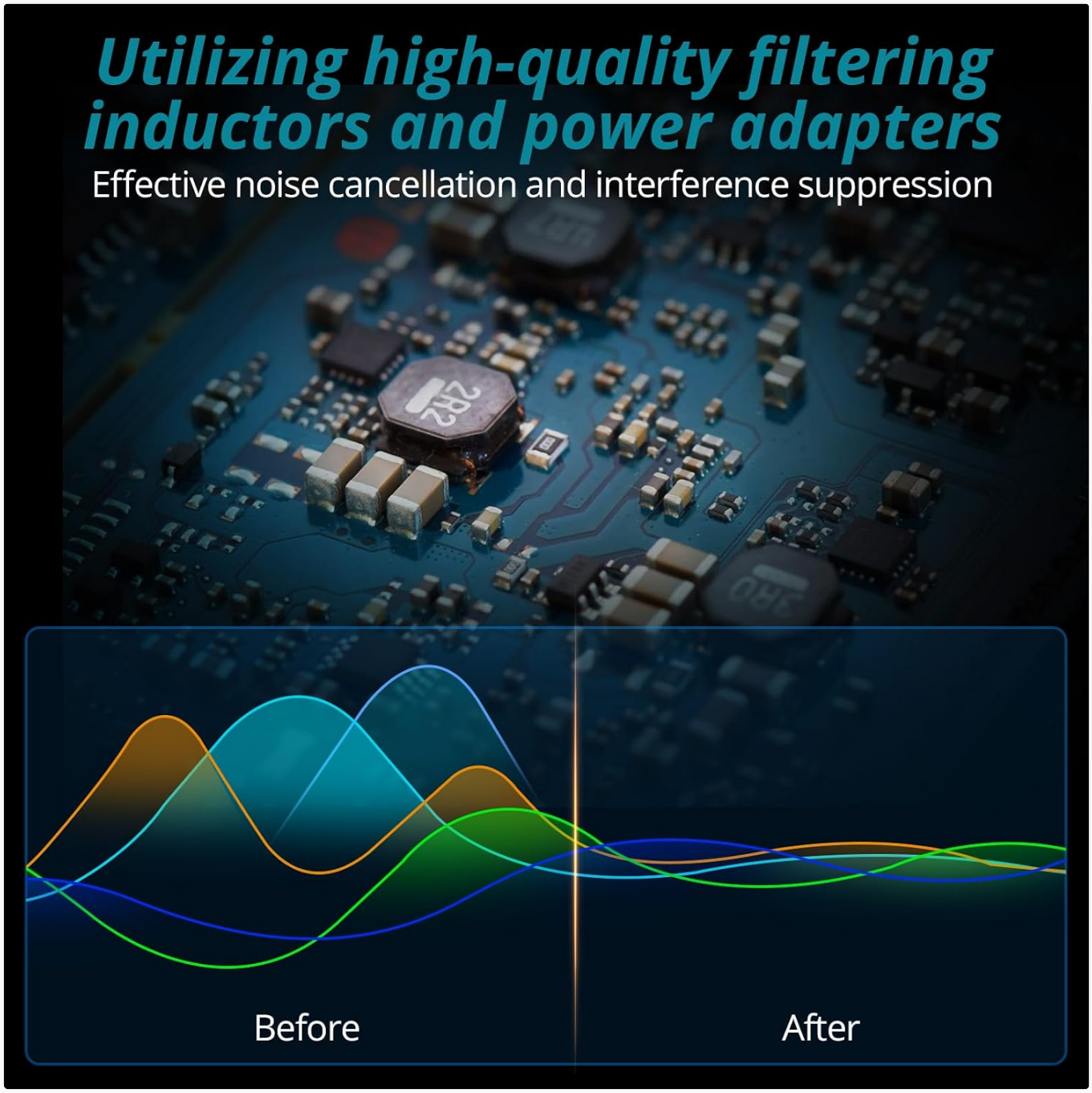


Figure 7: The amplifier's design incorporates filtering inductors for effective noise cancellation and interference suppression.



Figure 8: The internal chip is upgraded to enhance audio quality while maintaining ultra-low background noise.

Specifications

Feature	Detail
Product Dimensions	4 x 1.3 x 2.5 inches (10.16 x 3.3 x 6.35 cm)
Item Weight	2.88 ounces (0.18 Pounds)
Model Number	KTYDAC152uk
Power Supply	DC 5V 2A
Input Impedance	22KΩ
Input Signal Level	22dB
Min Output Impedance	16Ω

Feature	Detail
Max Gain	19dB/Channel
Signal-to-Noise Ratio	>88dB
Material	Metal
Compatible Devices	CD Player, Guitar, Keyboard, Mixer, Sound Card



Figure 9: A visual summary of the product's key features and technical specifications.

Warranty and Support

Your YGiTK 4-Channel Headphone Amplifier comes with a worry-free 18-month warranty from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance of your device.

For technical support, warranty claims, or any questions regarding your product, please contact YGiTK customer service. Refer to the contact information provided on the product packaging or the official YGiTK website for the most

current support details.
Please retain your purchase receipt as proof of purchase for warranty purposes.

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