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Kircuit BI36G-120300, BI48G-120400-ADU

Kircuit 12V AC/DC Power Adapter User Manual

Models: BI36G-120300, BI48G-120400-ADU

PRODUCT OVERVIEW

The Kircuit 12V AC/DC Power Adapter is designed to provide reliable power to your compatible electronic devices. It converts standard AC wall power into the necessary DC power for operation or charging. This adapter is suitable for various applications, including Govee H605C, H605B, H605D, RGBICWW Envisual T1 Pro, RGBIC TV LED Backlight T2 (55-65, 75-85, 98-100 inch models), and other devices requiring 12V power with compatible connectors.



Figure 1: The Kircuit 12V AC/DC Power Adapter, showing the main adapter unit, the detachable power cord, and the DC output barrel plug.

SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or damage to the product or connected devices.

- Use only indoors in dry locations. Do not expose to water, rain, or excessive humidity.
- Ensure the adapter's voltage and current output match the requirements of your device.
- Do not disassemble or modify the adapter.
- Keep out of reach of children.
- Unplug the adapter from the power outlet when not in use for extended periods.
- Avoid placing the adapter in poorly ventilated areas or near heat sources.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Kircuit 12V AC/DC Power Adapter Unit
- 1 x AC Power Cord (2-pin)



Figure 2: The power adapter unit and its detachable AC power cord.

SETUP INSTRUCTIONS

Follow these steps to set up your Kircuit power adapter:

1. **Connect the AC Power Cord:** Insert the 2-pin connector of the AC power cord firmly into the AC input port on the Kircuit power adapter unit.
2. **Connect to Device:** Plug the barrel connector of the adapter's DC output cable into the power input port of your compatible device (e.g., Govee LED backlight). Ensure a secure connection.
3. **Connect to Power Outlet:** Plug the AC power cord's wall plug into a standard 100-240V AC electrical wall outlet.
4. **Verify Power:** The adapter typically has an indicator light (often blue) that illuminates when power is supplied. Your device should now receive power.



Figure 3: The power adapter connected to a wall outlet, ready to power a device.

OPERATING INSTRUCTIONS

Once properly connected, the Kircuit 12V AC/DC Power Adapter operates automatically. It provides a stable 12V DC output to your connected device. The adapter is designed with built-in protection features, including a dynamic IC, charger IC, and power fuse, to ensure safe and efficient power delivery and protection against overcharge.

A small blue LED indicator on the adapter unit typically signifies that the adapter is receiving AC input power and is ready to deliver DC output.

MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your power adapter:

- **Cleaning:** Disconnect the adapter from the power outlet and your device before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme

temperatures. Avoid tightly coiling the cables to prevent damage.

- **Inspection:** Periodically inspect the adapter and cables for any signs of damage, such as frayed wires, cracked casing, or bent pins. If damage is found, discontinue use and replace the adapter.

TROUBLESHOOTING

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

No Power Output / Adapter Indicator Light Off

- **Check Power Outlet:** Ensure the wall outlet is functional by plugging in another device.
- **Verify Connections:** Make sure the AC power cord is securely connected to both the adapter and the wall outlet. Also, check the DC barrel plug connection to your device.
- **Inspect Cables:** Look for any visible damage to the AC power cord or the adapter's DC cable. Damaged cables should not be used.

Device Not Powering On or Charging

- **Check Compatibility:** Confirm that your device requires a 12V DC input and that the adapter's barrel plug connector type is compatible.
- **Verify Device Functionality:** Test your device with its original power adapter (if available) to rule out a device malfunction.
- **Output Current:** Ensure the adapter's output current (e.g., 3A, 4A, 5A) meets or exceeds your device's power requirements.

SPECIFICATIONS

Key technical specifications for the Kircuit 12V AC/DC Power Adapter:

Brand	Kircuit
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	12V DC
Output Current	3A, 4A, 5A (depending on specific model variant)
Connector Type	Barrel Plug
Power Source	Corded Electric
Special Feature	Overcharge Protection, Dynamic IC, Charger IC, Power Fuse
Compatible Devices	Govee H605C, H605B, H605D, BI36G-120300, BI48G-120400-ADU, and others requiring 12V DC with barrel plug.



Figure 4: Detailed view of the power adapter showing approximate dimensions and the anti-interference magnetic ring on the DC output cable for stable operation.

WARRANTY AND SUPPORT

This Kircuit power adapter comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance, or inquiries regarding product compatibility, please contact Kircuit customer service through your purchase platform or the official Kircuit website.

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