

Kircuit 24V AC Adapter

Kircuit 24V AC Adapter Instruction Manual

Model: 24V AC Adapter

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Kircuit 24V AC Adapter. Please read these instructions thoroughly before installation and operation. Keep this manual for future reference.

The Kircuit 24V AC Adapter is designed to provide stable and reliable power to various compatible DC pumps, including models from Jebao and Jecod. It features built-in safety protections to ensure the longevity of both the adapter and your connected devices.

2. PRODUCT OVERVIEW

The Kircuit 24V AC Adapter is a robust power supply unit engineered for compatibility and durability. It includes a power brick and two power cords for connection to the mains and your DC pump.





Figure 2.2: Adapter dimensions and anti-interference magnetic ring for stable operation.



Figure 2.3: Detail of the durable power cord and plug design.



Figure 2.4: Example of the adapter connected to a power source.

2.1 Key Features

- **Wide Compatibility:** Designed for various Jebao and Jecod DC pumps, including DCT-6000, DCT-8000, DC-9000, DCS-9000, DC-6000, SOW-20, DCQ 5000, DCW 6500, DCQ-50W, DCP 6500, OW-50, WP-60, RW-20, TC-4A.
- **Safety Protections:** Incorporates safeguards against short circuits, excess voltage, over-temperature, and overcurrent.
- **Durable Construction:** Features high-quality materials for the power cable and robust plug design for secure connections.
- **Anti-interference Magnetic Ring:** Enhances reliability and stability of system operation.

3. SAFETY INFORMATION

Adhere to the following safety guidelines to prevent damage to the adapter, connected devices, or personal injury:

- Ensure the adapter's voltage and amperage ratings match the requirements of your DC pump.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the adapter to severe impacts.
- Do not attempt to open or modify the adapter. Refer all servicing to qualified personnel.
- Always disconnect the adapter from the power outlet before cleaning or if it will be unused for an extended period.
- Keep out of reach of children.

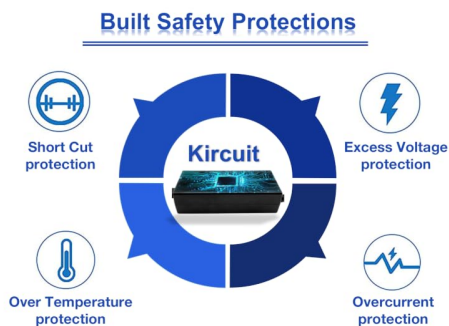


Figure 3.1: Built-in safety protections of the Kircuit adapter.

4. SETUP

Follow these steps to set up your Kircuit 24V AC Adapter:

1. **Unpack:** Carefully remove the AC adapter and power cords from the packaging. Inspect for any signs of damage.
2. **Connect Power Cord to Adapter:** Insert the AC input cord (the one with the two-prong plug) firmly into the AC input port on the adapter brick.
3. **Connect Output Cord to Adapter:** Insert the DC output cord (the one with the barrel connector) firmly into the DC output port on the adapter brick.
4. **Connect to Device:** Plug the barrel connector of the DC output cord into the corresponding power input port on your compatible Jebao or Jecod DC pump. Ensure a snug fit.
5. **Connect to Power Outlet:** Plug the two-prong AC plug into a standard wall power outlet.
6. **Verify Connection:** The adapter may have an indicator light (e.g., blue LED) to show it is receiving power and operating correctly. Confirm this light is on.

Your DC pump should now be receiving power and ready for operation according to its own instruction manual.

5. OPERATING INSTRUCTIONS

The Kircuit 24V AC Adapter operates automatically once connected to a power source and a compatible device. It provides a constant 24V DC output at up to 4 Amps.

- **Power On/Off:** To power on, connect the adapter to a live wall outlet. To power off, simply unplug the adapter from the wall outlet.
- **Continuous Operation:** The adapter is designed for continuous operation within its specified limits.

- **Monitoring:** Periodically check the adapter for excessive heat. While some warmth is normal, extreme heat may indicate an issue.

Always refer to the instruction manual of your specific DC pump for its operational procedures, as the adapter solely provides power.

6. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your Kircuit 24V AC Adapter.

- **Cleaning:** Disconnect the adapter from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Cable Inspection:** Regularly inspect the power cords for any signs of fraying, cuts, or damage. Replace damaged cords immediately.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and moisture. Avoid tightly coiling the cables to prevent damage.
- **Ventilation:** Ensure the adapter is placed in a location with adequate ventilation to prevent overheating. Do not cover the adapter during operation.



Figure 6.1: Illustration of the durable cable design for enhanced longevity.

7. TROUBLESHOOTING

If you encounter issues with your Kircuit 24V AC Adapter, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No power to the DC pump	Adapter not plugged in; faulty outlet; loose connections; damaged adapter/cables.	Ensure adapter is fully plugged into a working outlet. Check all cable connections. Inspect cables for damage. Try a different outlet.
Adapter is excessively hot	Poor ventilation; overloaded; internal fault.	Ensure adequate airflow around the adapter. Verify the connected device's power requirements do not exceed the adapter's specifications. Disconnect and allow to cool. If problem persists, discontinue use.
Intermittent power	Loose connections; damaged cable.	Check all connections for tightness. Inspect cables for damage.
DC pump not functioning correctly	Adapter issue; pump issue.	Verify the adapter's indicator light is on. If possible, test the pump with another compatible power supply. If the adapter is confirmed to be faulty, replace it.

If troubleshooting steps do not resolve the issue, contact Kircuit customer support or your retailer for assistance.

8. SPECIFICATIONS

Technical specifications for the Kircuit 24V AC Adapter:

Specification	Value
Input Voltage	240 Volts (AC)
Output Voltage	24 Volts (DC)
Output Current	4 Amps
Wattage	65 Watts
Connector Type	Barrel Connector
Compatible Devices	DC Pumps (Jebao/Jecod models listed in Section 2.1)
Included Components	2 x Power Cords

9. WARRANTY AND SUPPORT

Kircuit products are manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official Kircuit website.
For specific inquiries, please have your product model and purchase date available when contacting support.
Online Support: [www.kircuit.com/support](#) (Example link, replace with actual if available)

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