

FR KDDY001B

FR KD Kaidi Power Supply KDDY001B Instruction Manual

Power Supply with Battery Backup for Power Recliners

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your FR KD Kaidi Power Supply Unit, model KDDY001B. This unit is designed to power recliners and lift chairs, featuring a 9V battery backup function for continued operation during power outages. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Do not open the unit. Refer all servicing to qualified personnel.
- Ensure the power supply is disconnected from the main power outlet before performing any installation, maintenance, or troubleshooting.
- This unit is designed for indoor use only. Do not expose to water, moisture, or extreme temperatures.
- Use only 9V batteries for the backup function. Do not mix old and new batteries, or different types of batteries.
- Keep out of reach of children and pets.
- Do not overload the power supply. Ensure your recliner's motor requirements are within the unit's specifications.
- Inspect the power cord and connectors regularly for any signs of damage. Do not use if damaged.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- FR KD Kaidi Power Supply Unit (KDDY001B)

- Standard Power Cord

Note: 9V batteries for the backup function are NOT included and must be purchased separately.

4. SETUP AND INSTALLATION

Follow these steps to properly set up your power supply unit:

1. **Identify Connections:** Locate the 2-pin style connector on your recliner motor. This unit features a standard 2-pin connector (one round pin, one flat pin) designed to connect directly to compatible recliner motors.
2. **Connect to Recliner Motor:** Carefully align the 2-pin connector from the power supply unit with the corresponding port on your recliner motor. Push firmly until it is securely connected.
3. **Connect Power Cord:** Insert the standard power cord into the power supply unit's input port.
4. **Plug into Wall Outlet:** Plug the other end of the power cord into a standard, grounded electrical wall outlet.
5. **Secure Placement:** Place the power supply unit in a safe, dry location where it will not be stepped on or exposed to liquids. Ensure adequate ventilation.



Image 1: Top view of the FR KD Kaidi Power Supply KDDY001B, showing the model label, input/output specifications, and the 2-pin connector for the recliner motor. The battery compartment is also visible.

5. BATTERY BACKUP INSTALLATION AND USAGE

The KDDY001B unit includes a battery backup feature to allow limited operation of your recliner during a power outage. This requires two 9V batteries (not included).

1. **Open Battery Compartment:** Locate the battery compartment on the power supply unit. Gently slide or unclip the cover to open it.

2. **Insert Batteries:** Insert two new 9V batteries, ensuring correct polarity (+ and - terminals match the markings inside the compartment).
3. **Close Compartment:** Securely close the battery compartment cover.
4. **Backup Operation:** In the event of a power outage, the recliner will draw power from the installed 9V batteries. The battery backup is intended for temporary use to return the recliner to a seated position and is not for continuous operation.
5. **Battery Replacement:** Replace batteries periodically (e.g., every 6-12 months) or after extended use during a power outage to ensure readiness.



Image 2: Side view of the FR KD Kaidi Power Supply KDDY001B, showing its compact design. The battery compartment is located on the underside or rear of the unit, as indicated in Image 1.

6. OPERATING INSTRUCTIONS

Once the power supply is correctly installed and connected to your recliner motor and a power outlet, your recliner is ready for use. Operate your recliner as you normally would using its integrated controls.

- Ensure all connections are secure before operating the recliner.
- The power supply unit will provide continuous power to the recliner motor when plugged into a live outlet.
- In case of a power failure, the 9V battery backup will activate automatically, allowing for limited movement of the recliner.

7. MAINTENANCE

- **Cleaning:** Disconnect the power supply from the wall outlet before cleaning. Wipe the unit with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Periodically check the power cord, connectors, and the unit itself for any signs of wear, damage, or overheating.

- **Battery Check:** Regularly check the 9V backup batteries. Replace them if they are old or if the recliner's backup function seems weak.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Recliner does not move (no power).	<ul style="list-style-type: none"> • Power cord not fully plugged in. • Wall outlet is not live. • Power supply unit or recliner motor is faulty. 	<ul style="list-style-type: none"> • Ensure power cord is securely plugged into both the unit and the wall outlet. • Test the wall outlet with another appliance. • Contact customer support if the unit or motor is suspected to be faulty.
Recliner moves slowly or intermittently on battery backup.	<ul style="list-style-type: none"> • 9V batteries are low or depleted. • Incorrect battery installation. 	<ul style="list-style-type: none"> • Replace both 9V batteries with new ones. • Check battery polarity and ensure they are correctly inserted.
Unit feels hot to the touch.	<ul style="list-style-type: none"> • Overload or poor ventilation. 	<ul style="list-style-type: none"> • Ensure the unit has adequate airflow around it. • Verify the recliner motor's power requirements do not exceed the power supply's output. • Disconnect immediately if excessively hot and contact customer support.

9. SPECIFICATIONS

- **Model:** KDDY001B
- **Input:** 100-240V AC, 50/60Hz
- **Output:** 29V DC, 2.0A (2000mA)
- **Battery Backup:** Requires two 9V batteries (not included)
- **Connector Type:** 2-pin (one round, one flat)
- **Dimensions:** Approximately 6 x 4 x 6 inches (Product Dimensions)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer's return policy or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

For additional information or bulk pricing, you may contact customer service for FR products.