

Kircuit AD-0650, SW-060120A

Kircuit 6V AC/DC Adapter Instruction Manual

Model: AD-0650, SW-060120A

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Kircuit 6V AC/DC Adapter. This adapter is designed as a replacement power supply for various electronic devices, including specific models of Singer, Continental Electric, Janome, Hello Kitty, and Michley Lil Sew sewing machines. Please read this manual thoroughly before initial use and retain it for future reference.

2. SAFETY INFORMATION

- **Voltage Compatibility:** Ensure the adapter's output voltage (6V) and current (0.5A) match your device's requirements. Using an incorrect voltage or current can damage your device.
- **Polarity:** Verify the adapter's polarity matches your device's polarity. Incorrect polarity can cause severe damage.
- **Indoor Use Only:** This adapter is intended for indoor use in dry locations. Do not expose to water, moisture, or high humidity.
- **Ventilation:** Ensure adequate ventilation around the adapter during use. Do not cover it with cloth or place it in an enclosed space.
- **Cable Care:** Avoid bending, twisting, or stretching the power cord excessively. Do not place heavy objects on the cord. Inspect the cord regularly for damage.
- **Disconnecting:** Always grasp the plug, not the cord, when disconnecting from the power outlet.
- **Children and Pets:** Keep the adapter and its cord out of reach of children and pets.
- **Overload Protection:** The adapter features built-in dynamic IC, charger IC, and power fuse for overcharge protection. However, avoid overloading the adapter.

3. PRODUCT OVERVIEW

The Kircuit 6V AC/DC Adapter is a reliable power solution featuring a compact design and robust construction. It is equipped

with safety protections to ensure stable power delivery.



Figure 1: Kircuit 6V AC/DC Adapter with its integrated power cord and DC connector.

Key Features:

- **Input:** 100V-240V AC, 50/60Hz 0.3A (Universal input for worldwide use).
- **Output:** 6V DC, 0.5A (500mA), 3W.
- **Connector Type:** 2-Pin DC connector.
- **Safety Protections:** Built-in Dynamic IC, Charger IC, and Power fuse for rapid charging and overcharge protection. This includes protection against short circuit, over-current, over-voltage, over-temperature, and over-load.
- **Durable Design:** Power cable made of high-quality materials with thick insulation layer to protect against wear and tear, and abrasion-resistant outer sheathing. The cable can withstand high temperatures.
- **Portable and Travel-Friendly:** Compact and lightweight design for easy transport.

4. SETUP AND CONNECTION

Follow these steps to properly set up and connect your Kircuit 6V AC/DC Adapter:

1. **Verify Device Requirements:** Before connecting, confirm that your device requires a 6V DC power input with a current draw of 0.5A (500mA) or less. Also, ensure the polarity matches (typically center positive).
2. **Connect to Device:** Insert the DC connector plug of the adapter firmly into the power input jack of your device.
3. **Connect to Power Outlet:** Plug the AC prongs of the adapter into a standard 100V-240V AC wall outlet.
4. **Power On Device:** Once connected, you can power on your device as usual.



Figure 2: The Kirccuit 6V AC/DC Adapter connected to a power source and ready to power a compatible device.

5. OPERATION

The Kirccuit 6V AC/DC Adapter provides a consistent and stable 6V DC power supply to your compatible electronic devices. Once connected and plugged into a live AC outlet, it will continuously supply power. There are no user-adjustable settings on the adapter itself beyond the initial connection.

6. COMPATIBILITY

This Kirccuit 6V AC/DC Adapter is designed to be compatible with a range of devices requiring 6V DC power, including but not limited to:

- Singer Stitch Sew Quick Sewing Machine
- Continental Electric 01663, CE10141, CE10131

- Janome Blossom Sewing Machine
- Hello Kitty Sewing Machine
- Michley Lil Sew Sewing Machine
- Devices requiring AD-0650 or SW-060120A power supplies.

Always cross-reference your device's power requirements (voltage, amperage, and polarity) with the adapter's specifications before use.

7. TROUBLESHOOTING

If you encounter issues with your Kircuit 6V AC/DC Adapter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device not powering on.	No power from outlet; loose connection; incorrect voltage/polarity; faulty adapter.	Test outlet with another device. Ensure all connections are secure. Verify device's power requirements match adapter. Try a different adapter if available.
Adapter feels hot during use.	Normal operation; poor ventilation; device drawing too much power.	A slight warmth is normal. Ensure adapter has adequate ventilation. Confirm device's current draw is within adapter's 0.5A limit. If excessively hot, discontinue use.
Device powers on but malfunctions.	Incorrect voltage or polarity.	Double-check your device's exact voltage and polarity requirements against the adapter's specifications.

8. SPECIFICATIONS

Feature	Detail
Brand	Kircuit
Input Voltage	100V-240V AC
Input Amperage	0.3 Amps
Output Voltage	6 Volts DC
Output Current	0.5 Amps (500mA)
Wattage	3 Watts
Connector Type	2-Pin DC
Item Weight	4 ounces
Package Dimensions	4 x 3 x 1.5 inches

Feature	Detail
Special Feature	Portable, Travel

9. MAINTENANCE

- **Cleaning:** Disconnect the adapter from the power outlet and your device before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use. Avoid tightly coiling the cable to prevent damage.
- **Inspection:** Periodically inspect the adapter casing and cable for any signs of damage, such as cracks, fraying, or exposed wires. Discontinue use if damage is found.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the Kircuit official website. Keep your purchase receipt as proof of purchase.