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› [Kircuit](#) /

› Kircuit 5V AC/DC Adapter Instruction Manual for Humanware BrailleNote Apex BT 32

## Kircuit 5V AC/DC Adapter (X13-12055)

# Kircuit 5V AC/DC Adapter Instruction Manual

For Humanware BrailleNote Apex BT 32, BT32, X13-12055, X1312055

## 1. PRODUCT OVERVIEW

This manual provides instructions for the Kircuit 5V AC/DC Adapter, designed as a replacement power supply for devices such as the Humanware BrailleNote Apex BT 32. This adapter converts standard AC wall power to the required 5V DC power for your device, ensuring reliable operation and charging.

Key features include:

- Input: 100V-240V AC, suitable for various regions.
- Integrated Dynamic IC, Charger IC, and power fuse for efficient charging and overcharge protection.
- Designed for reliability and stability.



Image 1.1: Kircuit 5V AC/DC Adapter showing approximate dimensions. The adapter measures approximately 4.2 inches in length, 1.8 inches in width, and 1.2 inches in height. The output cable is about 44.3 inches long, and the input power cord is about 79.3 inches long.

## 2. SAFETY INFORMATION

Please read and follow these safety guidelines to prevent injury or damage to the adapter and connected devices:

- **Indoor Use Only:** Do not expose the adapter to rain, moisture, or extreme temperatures.
- **Proper Voltage:** Ensure the wall outlet voltage matches the adapter's input specifications (100-240V AC).
- **Avoid Overloading:** Do not connect the adapter to devices that exceed its specified output wattage or voltage.
- **Cable Care:** Do not bend, twist, or pull the power cord excessively. Keep it away from heat sources and sharp edges.
- **Unplug When Not in Use:** Disconnect the adapter from the power outlet when not in use for extended periods.
- **No Disassembly:** Do not attempt to open or repair the adapter. Refer servicing to qualified personnel.

## Durable design

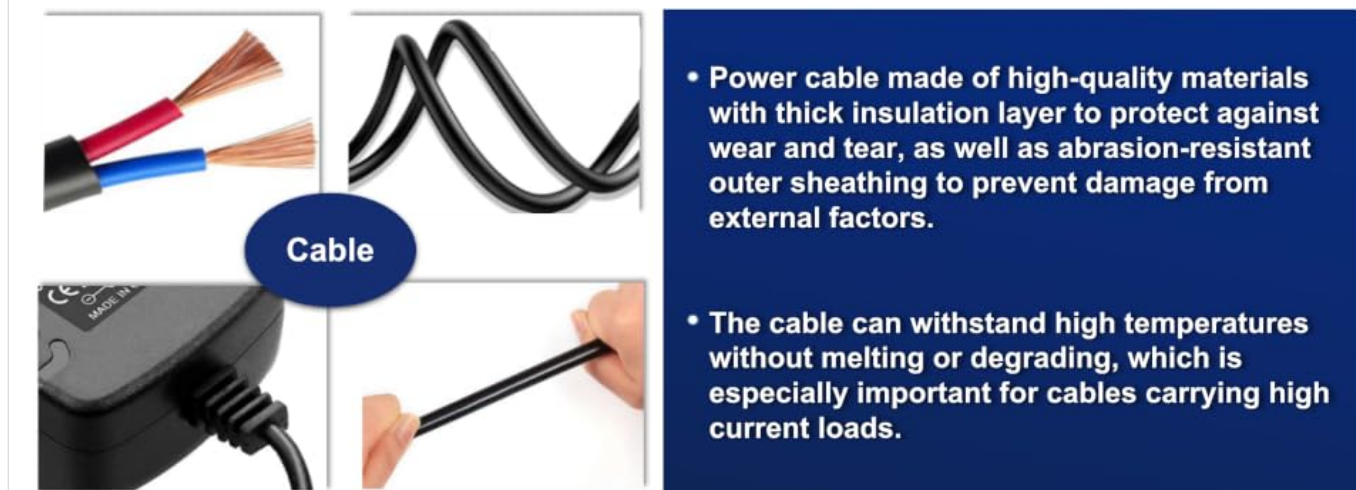


Image 2.1: Diagram illustrating the built-in safety protections of the Kircuit adapter, including short circuit protection, excess voltage protection, overcurrent protection, and over temperature protection.

### 3. SETUP AND CONNECTION

Follow these steps to properly connect your Kircuit 5V AC/DC Adapter:

1. **Inspect the Adapter:** Before connecting, ensure the adapter and cables are free from any visible damage.
2. **Connect to Device:** Insert the barrel connector end of the adapter's output cable into the power input port of your Humanware BrailleNote Apex BT 32 or compatible device. Ensure a snug fit.
3. **Connect to Power Outlet:** Plug the 2-pin main power connector of the adapter's input cable into a standard 100-240V AC wall outlet.
4. **Verify Power:** Once connected, the adapter's indicator light (if present) should illuminate, and your device should begin charging or power on.



Image 3.1: The Kircuit AC/DC Adapter connected to a wall outlet, demonstrating a typical setup for powering or charging a device.

## 4. OPERATING INSTRUCTIONS

The Kircuit 5V AC/DC Adapter operates automatically once connected. It provides a stable 5V DC output to power your device or charge its internal battery.

- **Charging:** When connected to a compatible device with a rechargeable battery, the adapter will initiate the charging process. Refer to your device's manual for specific charging indicators.
- **Direct Power:** For devices that can operate directly from AC power without a battery, the adapter will supply continuous power.
- **Overcharge Protection:** The built-in overcharge protection helps prevent damage to your device's battery by regulating the charging current.

## 5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your adapter:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. 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.
- **Cable Integrity:** Regularly check the cables for any signs of fraying, cuts, or damage. Discontinue use if damage is observed.
- **Ventilation:** Ensure the adapter has adequate ventilation during operation. Do not cover it or place it in enclosed spaces that could lead to overheating.

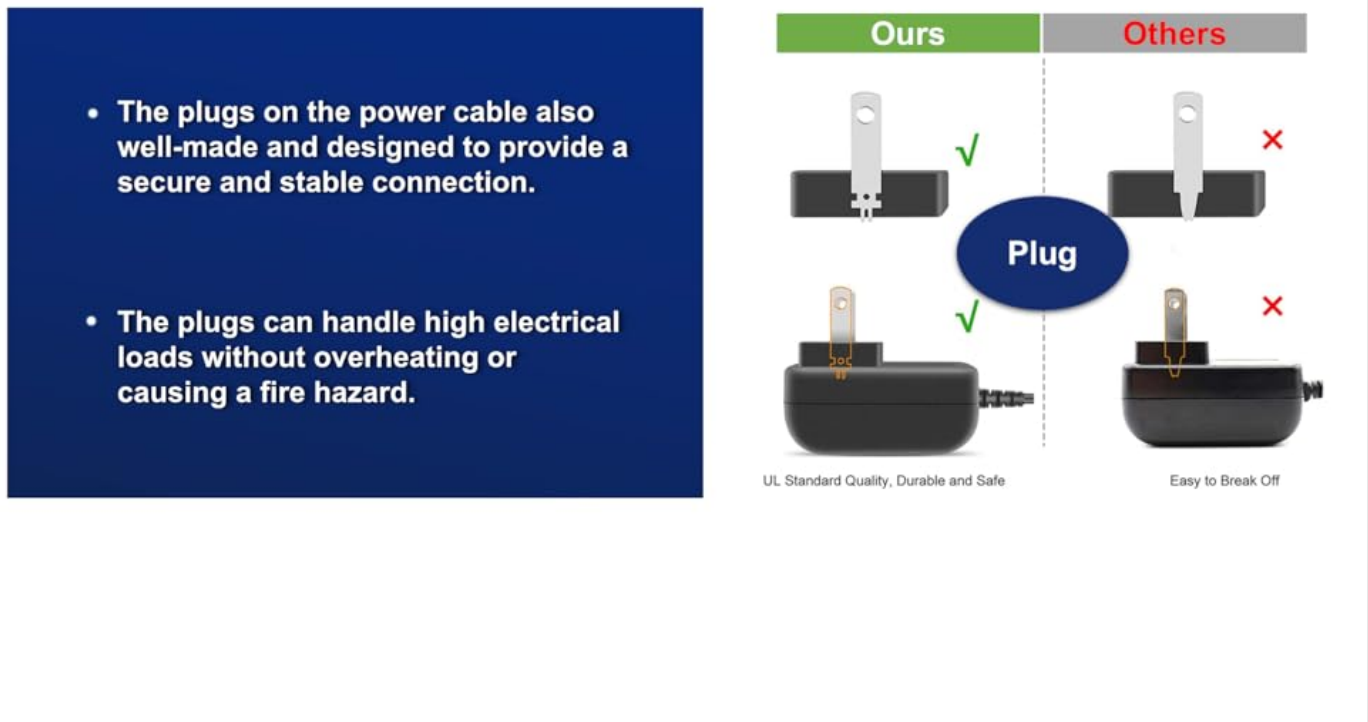


Image 5.1: Illustration highlighting the durable design of the power cable, featuring high-quality materials with thick insulation for protection against wear and tear, and resistance to high temperatures.

## 6. TROUBLESHOOTING

If you encounter issues with your Kircuit 5V AC/DC Adapter, consider the following:

- **Device Not Charging/Powering On:**
  - Ensure the adapter is securely plugged into both the wall outlet and your device.
  - Check if the wall outlet is functional by plugging in another device.
  - Verify that the adapter's indicator light is on. If not, try a different outlet.
  - Confirm that the adapter's specifications (voltage, current) match your device's requirements.
- **Adapter Overheating:**
  - Unplug the adapter immediately.
  - Ensure it is not covered and has proper ventilation.
  - If overheating persists, discontinue use and contact support.

- **Loose Connection:** If the connection feels loose, ensure the barrel connector is fully inserted into your device's port. Avoid wiggling the connector, as this can cause damage.

## 7. PRODUCT SPECIFICATIONS

| Feature                   | Specification                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| Brand                     | Kircuit                                                                                                           |
| Input Voltage             | 100V-240V AC                                                                                                      |
| Output Voltage            | 5 Volts DC                                                                                                        |
| Wattage                   | 5 watts                                                                                                           |
| Connector Type            | Barrel Connector                                                                                                  |
| Main Power Connector Type | 2 Pin (US Standard)                                                                                               |
| Compatible Devices        | Humanware BrailleNote Apex BT 32, BT32, X13-12055, X1312055, and other 5VDC devices requiring a barrel connector. |
| Special Feature           | Portable, Travel-friendly                                                                                         |

## 8. WARRANTY INFORMATION

Kircuit products are designed for quality and reliability. This adapter typically comes with a **3-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For warranty service or support, please contact your retailer or the manufacturer directly. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.



Image 8.1: Kircuit adapter shown with its packaging, which indicates a 3-year warranty.

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For further assistance, please refer to the product packaging or contact Kircuit customer support.

## ASK A QUESTION ABOUT THIS MANUAL

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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