CanaKit DCAR-CANAKIT-PD-5A

CanaKit 45W USB-C Power Supply with PD for Raspberry Pi 5 Instruction Manual

Model: DCAR-CANAKIT-PD-5A

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your CanaKit 45W USB-C Power Supply with Power Delivery (PD). This power supply is designed for the Raspberry Pi 5, delivering 27W (5V/5A), and is also compatible with other USB-C charging devices, providing up to 45W of power. It features a thick insulated cable and a noise filter for enhanced stability.

2. PRODUCT OVERVIEW

The CanaKit 45W USB-C Power Supply is a versatile and robust power solution. Key features include:

- **Power Delivery (PD) Support:** Delivers 5V / 5A (27W) specifically for the Raspberry Pi 5, and up to 45W for other compatible devices.
- **Universal Compatibility:** Suitable for charging various USB-C mobile phones and tablets, supporting "Super Fast Charging" and PPS modes.
- **Enhanced Stability:** Features a thick insulated cable (4ft length) and an integrated noise filter.
- **Safety Certified:** UL Listed for safety and reliability.

Image 1: A white CanaKit 45W USB-C Power Supply with foldable prongs, featuring the CanaKit logo and '45W USB-C PD' text on its side. The attached USB-C cable is coiled.

3. SETUP

1. **Unpack:** Carefully remove the power supply from its packaging.
2. **Inspect:** Check the power supply and cable for any visible damage. Do not use if damaged.
3. **Connect to Power Outlet:** Plug the power supply's prongs into a standard wall power outlet.
4. **Connect to Device:** Insert the USB-C connector into the USB-C power input port of your Raspberry Pi 5 or other compatible device.

Ensure the connection is secure. The power supply is designed for immediate use upon connection.

4. OPERATING INSTRUCTIONS

The CanaKit 45W USB-C Power Supply operates automatically once connected. It will detect the power requirements of the connected device and deliver the appropriate voltage and amperage.

- **For Raspberry Pi 5:** The power supply will provide 5V at 5A (27W), which is the recommended power for optimal performance of the Raspberry Pi 5.
- **For Other USB-C Devices:** For compatible mobile phones and tablets, the power supply supports various Power Delivery (PD) modes, including "Super Fast Charging" and PPS mode, to optimize charging speed. The maximum output for these devices is up to 45W.

No user intervention is required for power output selection; the power supply manages this automatically based on the connected device's capabilities.

5. MAINTENANCE

To ensure the longevity and proper functioning of your CanaKit 45W USB-C Power Supply, follow these maintenance guidelines:

- **Cleaning:** Disconnect the power supply from the wall outlet and your device before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Storage:** Store the power supply in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends, kinks, or excessive pulling on the cable. Regularly inspect the cable and connectors for any signs of wear or damage.
- **Environmental Conditions:** Do not expose the power supply to water, high humidity, or dusty environments.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Device not powering on or charging.	Loose connection, faulty outlet, incompatible device.	Ensure the power supply is securely plugged into a working wall outlet. Verify the USB-C cable is firmly connected to both the power supply and your device. Test the power supply with another compatible USB-C device to confirm functionality. Ensure your device is compatible with USB-C Power Delivery.
Raspberry Pi 5 reports under-voltage warnings or unstable operation.	Power supply not delivering sufficient current for high demand.	Confirm the power supply is the CanaKit 45W model, designed for the Raspberry Pi 5's 5V/5A requirement. Reduce the number of high-power peripherals connected to the Raspberry Pi 5's USB ports. Ensure the power supply is directly connected to a wall outlet, not a USB hub or extension cord that might limit power.
Power supply feels warm during operation.	Normal operation, or excessive load.	A slight warmth is normal during operation. If it becomes excessively hot, disconnect immediately and contact support. Ensure adequate ventilation around the power supply.

7. SPECIFICATIONS

Feature	Detail
Brand	CanaKit
Model Number	DCAR-CANAKIT-PD-5A
Product Dimensions	4.65 x 3.27 x 1.22 inches
Item Weight	6.4 ounces
Connector Type	USB Type C
Compatible Devices	Raspberry Pi 5, Cellular Phones, Tablets, and other USB-C PD compatible devices.

Feature	Detail
Input Voltage	100-240V AC (Standard Wall Outlet)
Output Wattage	45 Watts (Max)
Output Amperage	5 Amps (Max)
Output Voltage (PD Modes)	5V/5A (27W for Raspberry Pi 5), other PD modes up to 45W.
Cable Length	4 feet
Special Features	Fast Charging, Noise Filter, Thick Insulated Cable, UL Listed.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official CanaKit website. For technical support or further assistance, please contact CanaKit customer service through their official channels.

CanaKit Official Website: www.canakit.com