

DROK 2001708001

DROK USB to 9V/12V Voltage Converter with LED Display Instruction Manual

Model: 2001708001

1. INTRODUCTION

Thank you for choosing the DROK USB to 9V/12V Voltage Converter. This device is designed to convert a standard 5V USB input into either a 9V or 12V DC output, making it ideal for powering various electronic devices such as routers, small fans, desk lamps, and more, especially during power outages when used with a power bank. This manual provides detailed instructions for safe and efficient use of your converter.

2. PACKAGE CONTENTS

- 1x DROK USB Step-up Converter (5V to 9V/12V)
- 1x 3.5*1.35mm DC Connector

3. KEY FEATURES

- **Input Voltage:** DC 5V (via USB)
- **Output Voltage:** Selectable DC 9V or 12V
- **Maximum Output Current:** 1A (for 9V output), 0.8A (for 12V output)
- **Interface Properties:** USB-A input to DC round hole output
- **Integrated Switch & LED Display:** Easily switch between 9V and 12V output, with a clear LED display indicating the selected voltage.
- **Convenient and Portable:** Plug-and-play design with small dimensions for easy portability.
- **Versatile Application:** Suitable for powering various 9V/12V devices like routers, small fans, desk lamps, and Bluetooth audio devices.

4. SETUP INSTRUCTIONS

1. **Identify Your Device's Power Requirements:** Before connecting, verify the voltage (9V or 12V) and connector size (e.g., 5.5x2.1mm or 3.5x1.35mm) required by your target device. Ensure the device's

current draw does not exceed the converter's maximum output (1A for 9V, 0.8A for 12V).

2. **Select the Correct DC Connector:** The converter comes with a standard 5.5x2.1mm DC plug. If your device requires a 3.5x1.35mm connector, use the included adapter.
3. **Connect to a 5V USB Power Source:** Plug the USB-A end of the converter cable into a 5V USB power source, such as a power bank, USB wall charger, or computer USB port. The LED display on the converter will illuminate.
4. **Select Output Voltage:** Use the switch located on the converter unit to select either 9V or 12V. The LED display will show the selected voltage.
5. **Connect to Your Device:** Plug the DC output connector (or the adapter, if needed) into the power input port of your target device.



Image: The DROK USB to 9V/12V Voltage Converter cable with the additional 3.5x1.35mm DC connector.



Image: Close-up view of the converter's LED display, indicating a 12V output.

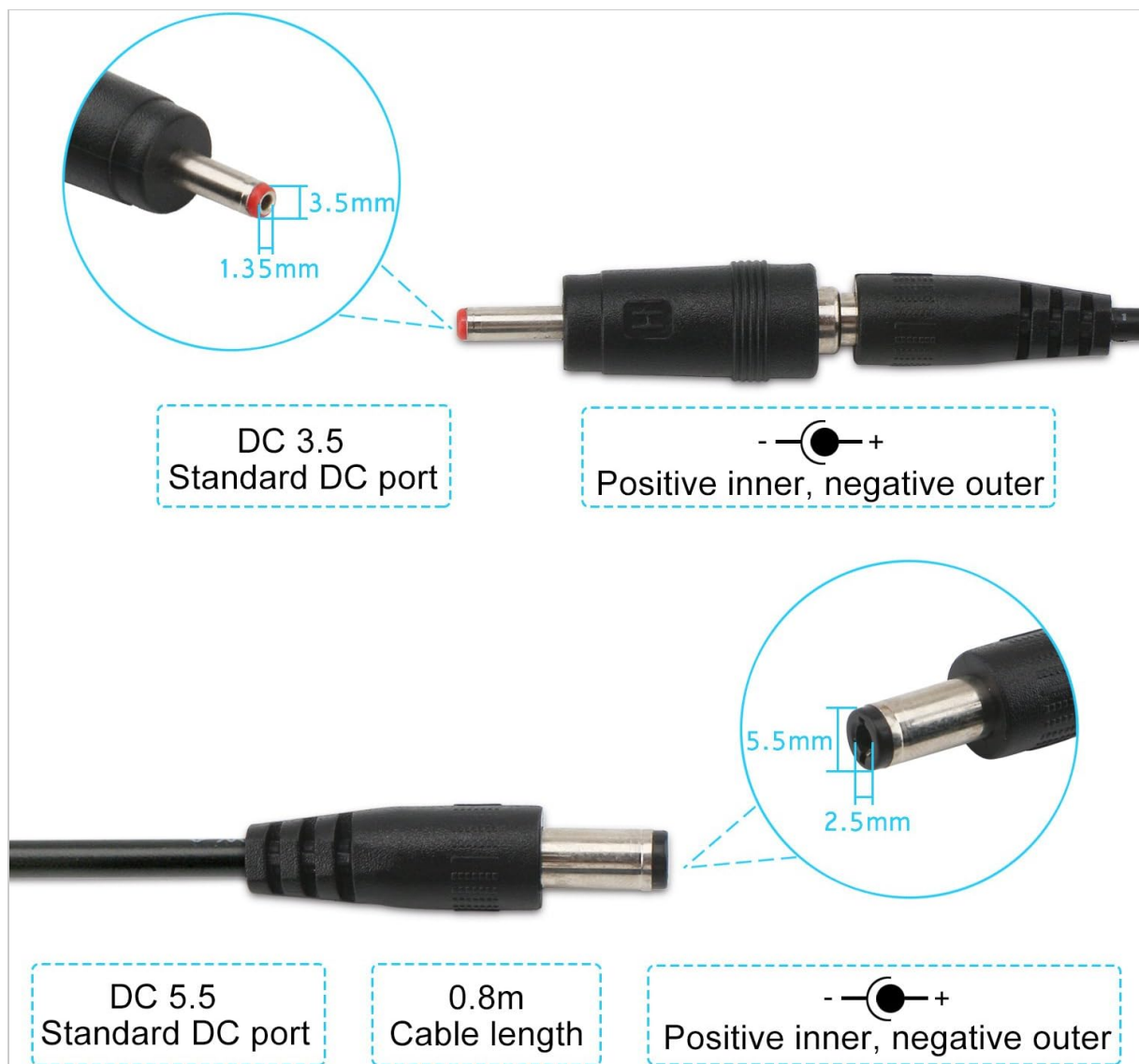


Image: Detailed view of the standard 5.5x2.1mm DC connector and the included 3.5x1.35mm adapter, illustrating their dimensions and positive inner, negative outer polarity.

5. OPERATING INSTRUCTIONS

Once connected to a 5V USB power source and your device, the converter is ready for operation. The LED display provides real-time feedback on the selected output voltage.

1. **Power On:** The converter automatically powers on when connected to a 5V USB source.
2. **Voltage Selection:** Use the small slide switch on the side of the converter unit to toggle between 9V and 12V output. Ensure the correct voltage is selected for your device to prevent damage.
3. **LED Display:** The red LED display will clearly show either '9' or '12', indicating the active output voltage.
4. **Powering Devices:** The converter will supply power to your connected device at the selected voltage.

Video: This video demonstrates the operational steps of the DROK USB to 9V/12V Voltage Converter, including connecting it to a power source and a device.

6. TECHNICAL SPECIFICATIONS

Specification	Value
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Input Voltage	DC 5V
Output Voltage	DC 9V / 12V (selectable)
Max Output Current (9V)	1A
Max Output Current (12V)	0.8A
Max Wattage	9.6 Watts
Connector Type	USB-A to 5.5*2.1mm DC (with 3.5*1.35mm adapter)
Cable Length	0.8 meters (approx. 2.6 feet)
Item Weight	1.23 ounces
Product Dimensions	3.7 x 4.3 x 3.1 inches (packaging dimensions)
Item Model Number	2001708001



Image: Diagram illustrating the physical dimensions of the DROK USB voltage converter unit.

7. TROUBLESHOOTING

- **No Power Output:**
 - Ensure the USB input source is providing 5V power.

- Check if the LED display on the converter is illuminated. If not, try a different USB power source or cable.
- Verify that the DC output connector is securely plugged into your device.

- **Device Not Working/Malfunctioning:**

- Confirm that the correct output voltage (9V or 12V) is selected on the converter for your device.
- Check if your device's current requirement exceeds the converter's maximum output (1A for 9V, 0.8A for 12V). Overloading can cause the converter to shut down or the device to malfunction.
- Ensure the polarity of the DC connector matches your device's requirements (this converter has positive inner, negative outer polarity).

- **Intermittent Power:**

- Inspect all connections for looseness.
- Ensure the USB power source is stable and can provide sufficient current.

8. CARE AND MAINTENANCE



- Keep the converter in a dry environment, away from moisture and extreme temperatures.
- Avoid exposing the device to direct sunlight for prolonged periods.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Do not attempt to disassemble or modify the converter, as this will void the warranty and could lead to electrical hazards.



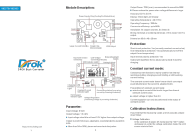

9. WARRANTY AND SUPPORT

DROK offers a one-year service period for products purchased. If you encounter any quality issues with your item, you may be eligible for a replacement. For further assistance, please contact DROK customer support through the retailer's platform or visit the official DROK store for contact information.

DROK Store Link: [Visit the DROK Store on Amazon](#)

Related Documents - 2001708001

	<p>DROK Boost Converter 200150 User Manual</p> <p>This document provides a detailed introduction and operating instructions for the DROK Boost Converter 200150, covering display functions, simple mode, and fully functional mode operations, including parameter saving, loading, and input voltage protection settings.</p>
	<p>DROK DC Adjustable Boost Converter Module 6-30V to 7-32V 5A User Guide</p> <p>This guide provides detailed information on the DROK DC Adjustable Boost Converter Module, including its parameters, protections, display modes, and voltage calibration. Learn how to use this 5A, 60W (max) module for various voltage conversion needs.</p>

	<p>DROK 200651 30V 4A 35W DC-DC Buck Boost Converter User Manual</p> <p>User manual for the DROK 200651 30V 4A 35W DC-DC Buck Boost Converter. Covers working interface, parameters, protection features, operating instructions for setting voltage, current, and other parameters, lock function, and size specifications.</p>
	<p>DROK DC Buck Converter 12A CC CV Adjustable Power Supply User Guide</p> <p>This guide provides detailed instructions and specifications for the DROK DC Buck Converter, a 12A adjustable power supply with CC/CV functionality and an LCD display. Learn how to use it for various applications including battery charging and LED driving.</p>
	<p>DROK Buck Converter User Manual and Specifications</p> <p>Comprehensive guide to the DROK Buck Converter, detailing its module description, parameters, protections, constant current mode, calibration, display settings, USB output, and important cautions. Includes technical specifications and troubleshooting Q&A.</p>
	<p>DROK 12-60V to 12-80V DC Boost Voltage Converter (090089) - Technical Specifications</p> <p>Detailed technical specifications for the DROK 12-60V to 12-80V DC Boost Voltage Converter (Model 090089), including input/output voltage, current, power, efficiency, protection features, and operating conditions.</p>