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> onerbl AC/DC Adapter User Manual for AcuRite Color Displays

onerbl 11174-2028AD, KU1B-045-0250D

onerbl AC/DC Adapter Instruction Manual

Models: 11174-2028AD, KU1B-045-0250D

For AcuRite Color Displays Models: 02028 and 02053

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your onerbl AC/DC Adapter. This high-quality replacement power supply is designed to provide reliable power to compatible AcuRite Color Displays, specifically models 02028 and 02053. It features automatic worldwide AC input compatibility and built-in safety protections.



Figure 1.1: Front view of the onerbl AC/DC Adapter, showing the main unit with the coiled power cord and DC output plug.



Figure 1.2: Illustration of the wide range of applications for the onerbl AC/DC adapter, including set-top boxes, routers, batteries, LED strips, and various other electronic devices.

2. SETUP

Follow these steps to properly set up your AC/DC adapter:

1. **Verify Compatibility:** Ensure your device requires a power supply with the specifications provided by this adapter (refer to Section 5: Specifications). This adapter is specifically designed for AcuRite Color Displays Models 02028 and 02053.
2. **Connect to Device:** Insert the DC output plug of the adapter firmly into the power input port of your AcuRite display.
3. **Connect to Power Outlet:** Plug the AC input prongs of the adapter into a standard wall power outlet (AC 100-240V, 50/60Hz).
4. **Power On:** Once connected, your device should receive power. Refer to your device's manual for specific power-on procedures.



Figure 2.1: The onerbl AC/DC adapter connected to a power strip, demonstrating a typical setup scenario in an office environment.

3. OPERATING INSTRUCTIONS

The onerbl AC/DC Adapter operates automatically once connected to a power source and a compatible device. It is designed for continuous operation.

- **Automatic Voltage Adjustment:** The adapter automatically adjusts to input voltages ranging from 100V to 240V, making it suitable for use in various regions worldwide without needing a voltage converter.
- **Safety Protections:** The adapter incorporates a smart chip with multiple protection features to ensure the safety of both the adapter and your connected device. These include:
 - **Over Voltage Protection:** Prevents damage from excessive voltage input.
 - **Over Heat Protection:** Safeguards against overheating during operation.
 - **Short-Circuit Protection:** Protects against damage from short circuits.
 - **Over-Current Protection:** Prevents damage from excessive current draw.



Figure 3.1: Visual representation of the smart chip's multiple protection features, including safeguards against short-circuit, over-voltage, and over-current conditions.

4. MAINTENANCE

Proper care and maintenance will extend the life of your onerbl AC/DC Adapter:

- **Cleaning:** Disconnect the adapter from the power outlet and the device before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tightly coiling the cable to prevent damage.
- **Handling:** Do not drop, disassemble, or attempt to repair the adapter. Avoid exposing it to water or high humidity.
- **Cable Care:** Regularly inspect the power cord for any signs of damage, such as fraying or cuts. If damage is observed, discontinue use immediately and replace the adapter.



Figure 4.1: Illustration of the adapter's durable design, featuring a PVC jacket and copper wire for enhanced quality and longevity.

5. TROUBLESHOOTING

If you encounter issues with your onerbl AC/DC Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not powering on or charging.	Adapter not properly plugged in; Power outlet is not active; Device is incompatible; Adapter is faulty.	<p>Ensure both ends of the adapter are securely connected.</p> <p>Test the power outlet with another device.</p> <p>Verify your device's power requirements match the adapter's specifications.</p> <p>If issues persist, the adapter may be faulty and require replacement.</p>
Adapter feels excessively hot.	Overload; Poor ventilation; Internal fault.	<p>Ensure the connected device does not exceed the adapter's output capacity.</p> <p>Place the adapter in a well-ventilated area, away from heat sources.</p> <p>If overheating continues, discontinue use immediately.</p>
Flickering power or intermittent connection.	Loose connection; Damaged cable/connector.	<p>Check all connections for tightness.</p> <p>Inspect the cable and connectors for visible damage. If damaged, replace the adapter.</p>

6. SPECIFICATIONS

Detailed technical specifications for the onerbl AC/DC Adapter:

Feature	Detail
Model Numbers	11174-2028AD, KU1B-045-0250D
Input Voltage	AC 100-240V, 50/60Hz (Worldwide Auto Input)
Compatibility	AcuRite Color Displays Models: 02028, 02053
Product Dimensions	6 x 4 x 2 inches (Adapter unit dimensions: 2.6 x 1.6 x 1.2 inches)
Item Weight	8 ounces
Cable Length	76 inches (approximately 6.33 feet)
Main Power Connector Type	2 Pin (US standard)
Special Feature	Travel-friendly design
Mounting Type	Wall Mount
Power Source	Corded Electric
Manufacturer	Shenzhen Waweis Technology Co., Ltd
Country of Origin	China

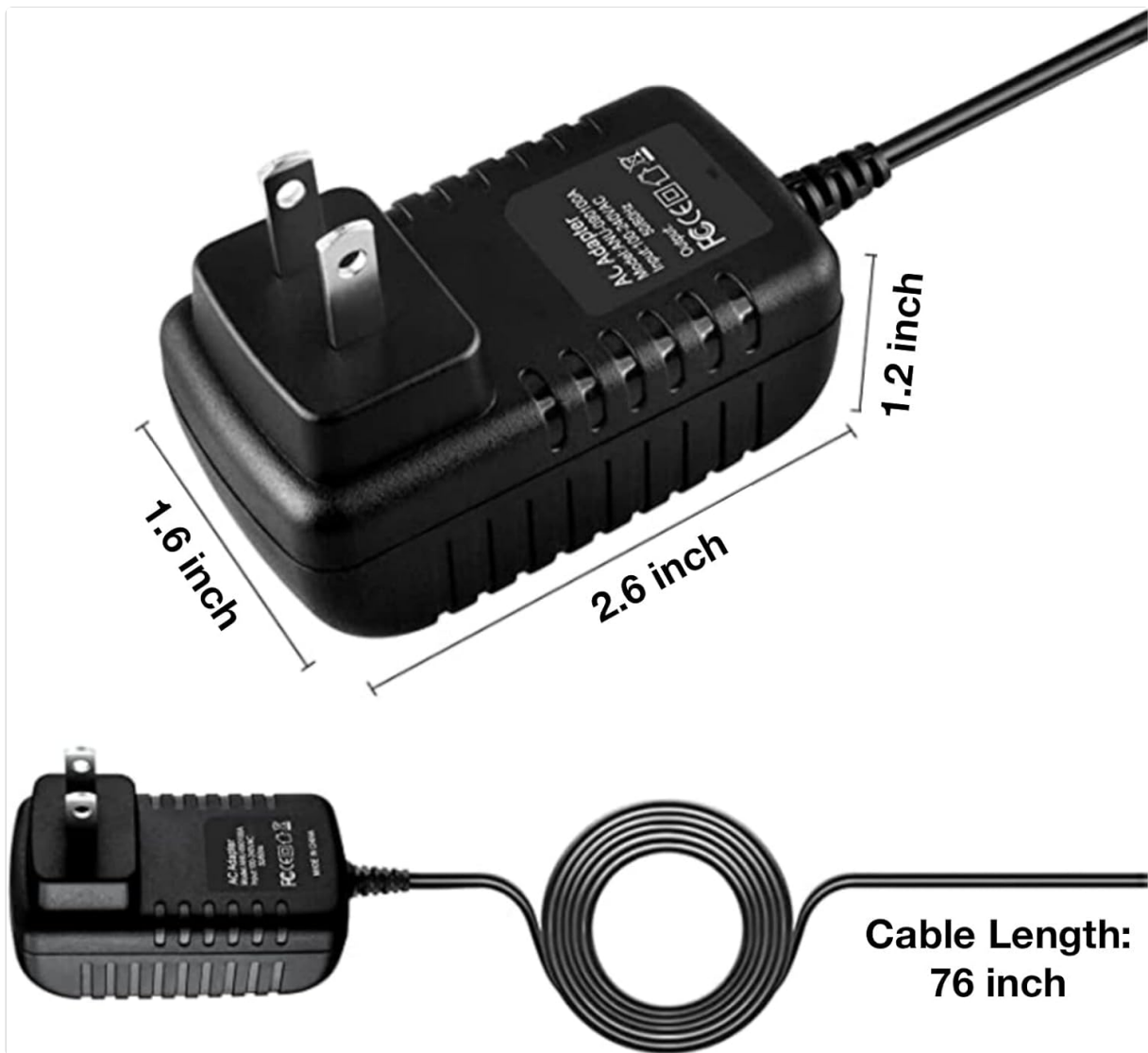


Figure 5.1: Detailed dimensions of the onerbl AC/DC adapter (2.6 inches length, 1.6 inches width, 1.2 inches height) and its cable length (76 inches).



Figure 5.2: Front and side views of the adapter, displaying the input specifications (100-240VAC, 50/60Hz) and regulatory marks.

7. WARRANTY INFORMATION

This onerbl AC/DC Adapter is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the product packaging or contact the seller directly. Keep your purchase receipt as proof of purchase.

8. CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your onerbl AC/DC Adapter, please contact the seller or retailer from whom you purchased the product. They will be able to provide the most accurate and timely support for your specific purchase.