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onerbl 5.9V AC/DC Adapter (Compatible with Sainlogic WS0835 FT0835)

onerbl 5.9V AC/DC Adapter Instruction Manual

For Sainlogic WS0835 FT0835 Wireless Weather Station

1. Introduction

This manual provides essential information for the safe and effective use of your onerbl 5.9V AC/DC Adapter. Please read these instructions carefully before use and retain them for future reference.

1.1 Package Contents

- 1 x onerbl 5.9V AC/DC Adapter

1.2 Product Overview



Image 1.1: The onerbl 5.9V AC/DC Adapter. This image displays the compact black power adapter with its integrated cable and barrel connector, highlighting its design and form factor.

The onerbl 5.9V AC/DC Adapter is designed to provide reliable power to compatible devices, specifically the Sainlogic WS0835 and FT0835 Wireless Weather Stations. It features a universal input voltage range and built-in safety protections.

2. Safety Information

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- Use the adapter only with devices that require 5.9V DC input and a current draw of 0.5A (500mA) or less.
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Do not disassemble or modify the adapter.
- Ensure the adapter is plugged into a properly grounded power outlet.
- Keep out of reach of children.
- Unplug the adapter from the power outlet when not in use for extended periods.

2.1 Built-in Protections



Image 2.1: Diagram illustrating the adapter's multiple protection features. This image shows icons for short-circuit protection, over-voltage protection, and over-current protection, indicating the safety mechanisms integrated into the adapter's design.

This adapter incorporates a smart chip with multiple protection features to safeguard your devices and electrical system:

- **Short-circuit Protection:** Automatically cuts power in case of a short circuit.
- **Over-voltage Protection:** Prevents damage from excessive voltage input.
- **Over-current Protection:** Guards against damage from excessive current draw.
- **Over-heat Protection:** Designed to prevent overheating during operation.

3. Setup

Follow these steps to set up your onerbl 5.9V AC/DC Adapter:

1. **Verify Compatibility:** Ensure your device, such as the Sainlogic WS0835 or FT0835 Wireless Weather Station, requires a 5.9V DC power input with a barrel connector.
2. **Connect to Device:** Insert the barrel connector of the adapter cable firmly into the power input port of your compatible device.
3. **Connect to Power Outlet:** Plug the AC prongs of the adapter into a standard AC 100-240V wall outlet.



Image 3.1: The onerbl adapter providing power to a weather station console. This image demonstrates the adapter plugged into a power strip, which in turn powers a white weather station display unit on a desk, illustrating a typical setup scenario.

Once connected, your device should power on or begin charging, depending on its design.

4. Operating Instructions

The onerbl 5.9V AC/DC Adapter operates on a plug-and-play principle. Once correctly connected, it will supply continuous power to your device.

- The adapter is designed for indoor use only.

- It automatically adjusts to input voltages between 100V and 240V AC, making it suitable for worldwide use with appropriate plug adapters (not included).
- Ensure adequate ventilation around the adapter during operation to prevent heat buildup.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your 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 solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and moisture when not in use. Avoid tightly coiling the cable to prevent damage.
- **Inspection:** Periodically inspect the cable and adapter housing for any signs of damage, such as cuts, fraying, or cracks. If damage is found, discontinue use and replace the adapter.

5.1 Durable Design



Image 5.1: Illustration of the adapter's durable construction. This image highlights the quality control aspects and the internal structure of the cable, showing a PVC jacket and copper wires, emphasizing the robust build for reliability.

6. Troubleshooting

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

- **No Power to Device:**
  - Ensure the adapter is securely plugged into both the wall outlet and the device.
  - Check if the wall outlet is functional by plugging in another device.
  - Verify that your device is compatible with a 5.9V DC, 0.5A power supply.
  - Inspect the adapter cable and connector for any visible damage.

- **Adapter is Hot:**
    - It is normal for the adapter to feel warm during operation. However, if it becomes excessively hot, disconnect it immediately.
    - Ensure there is adequate ventilation around the adapter and it is not covered.
    - Confirm the device's power requirements do not exceed the adapter's output (5.9V, 0.5A).

If the problem persists after trying these steps, please contact customer support.

7. Specifications

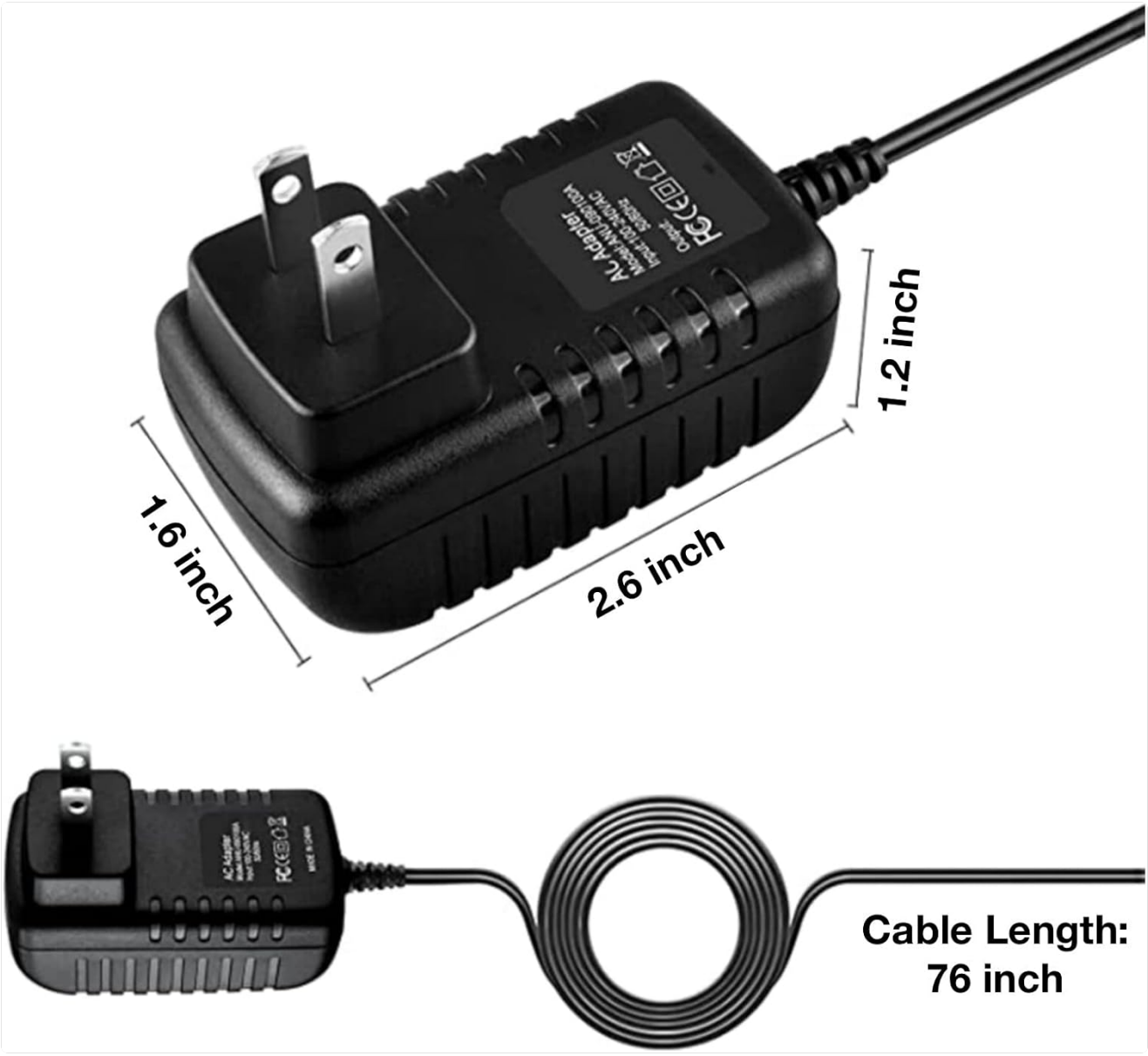


Image 7.1: Physical dimensions and cable length of the onerbl 5.9V AC/DC Adapter. This image provides measurements for the adapter body (2.6 inches long, 1.6 inches wide, 1.2 inches thick) and the cable length (76 inches).

Feature	Specification
Brand	onerbl
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 5.9V

Output Current	0.5A (500mA)
Wattage	2.95 Watts
Connector Type	Proprietary Barrel Connector
Compatible Devices	Sainlogic WS0835, FT0835 Wireless Weather Stations
Cable Length	76 inches (approx. 6.3 feet)
Adapter Dimensions (L x W x H)	2.6 x 1.6 x 1.2 inches

8. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact the retailer/manufacturer directly. Keep your purchase receipt as proof of purchase.

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