onerbl Universal AC/DC Adapter

onerbl AC/DC Adapter User Manual

Model: Universal AC/DC Adapter (Compatible with TP-Link T120100-2B1)

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your onerbl AC/DC Adapter. This adapter is designed to provide a stable 12V 1A power supply for compatible electronic devices, including those requiring a TP-Link T120100-2B1 equivalent power source. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

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

- Do not expose the adapter to water, moisture, or extreme temperatures.

- Avoid dropping or subjecting the adapter to severe impact.

- Ensure the adapter's input voltage (AC 100-240V) matches your local power supply.

- Verify that the output voltage (12V) and current (1A) of this adapter match the requirements of your device. Using an adapter with incorrect specifications can damage your device.

- Do not disassemble or attempt to repair the adapter. Refer all servicing to qualified personnel.

- Unplug the adapter from the power outlet when not in use for extended periods.

- Keep out of reach of children.

- This adapter features built-in protections against over-voltage, over-current, and short-circuit conditions to safeguard your devices.
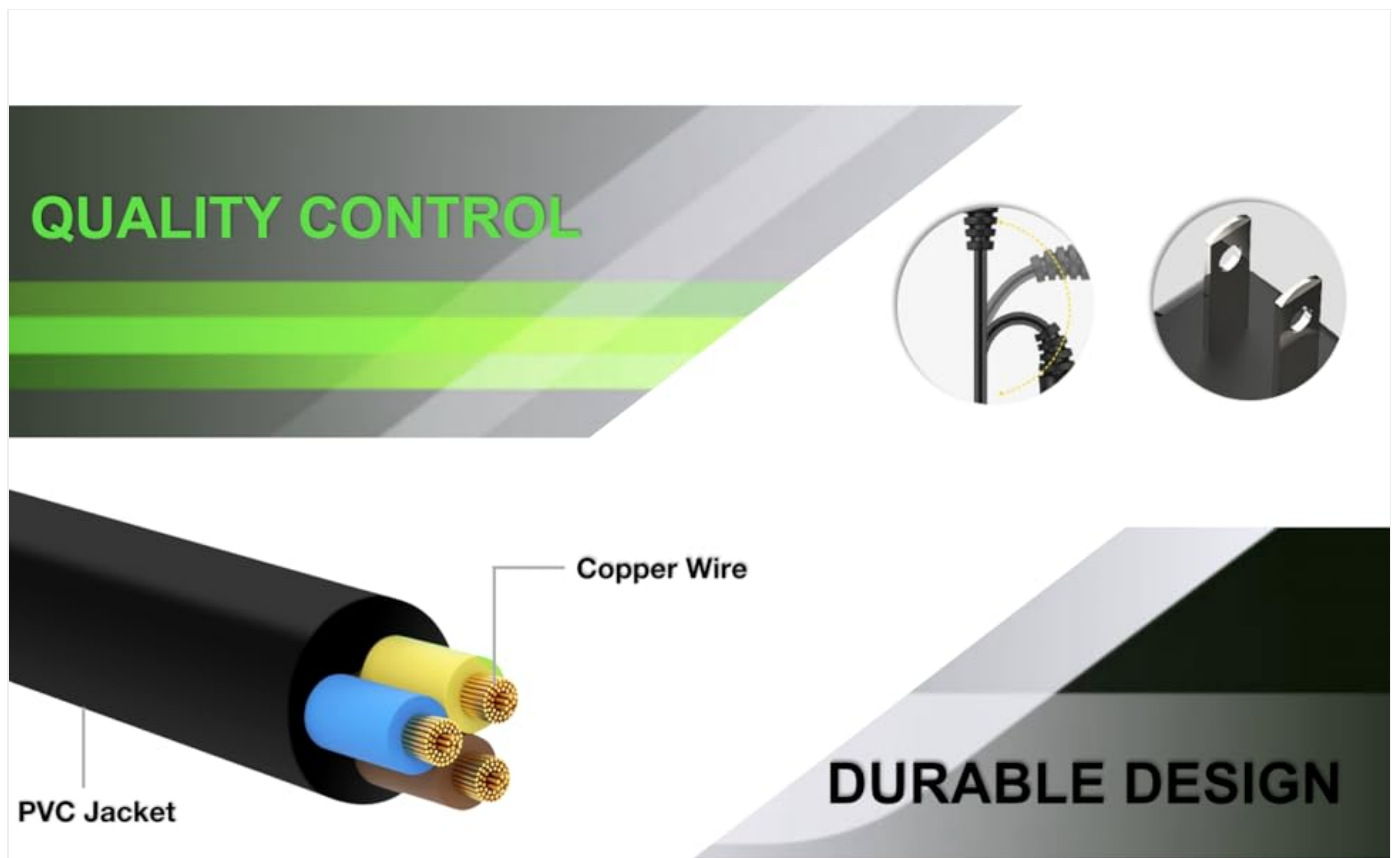
Figure 1: The onerbl AC/DC Adapter incorporates multiple safety protections, including safeguards against short-circuit, over-voltage, and over-current to ensure device safety.

PRODUCT OVERVIEW

The onerbl AC/DC Adapter is a compact and reliable power supply designed for various electronic devices. It features a standard US plug and a barrel connector for output.

AC Adapter

Model :

Input:100-240VAC
50/60Hz

Output :

Figure 3: Detailed front and side views of the adapter, showcasing its physical form factor.

Figure 4: Physical dimensions of the adapter and its cable length for reference.

SETUP AND CONNECTION

Follow these steps to connect and begin using your AC/DC adapter:

1. **Verify Compatibility:** Before connecting, ensure your device requires a 12V DC input with a maximum current draw of 1A and uses a barrel connector compatible with this adapter.

2. **Connect to Device:** Insert the barrel connector end of the adapter's cable firmly into the power input port of your electronic device.

3. **Connect to Power Outlet:** Plug the AC prongs of the adapter into a standard AC 100-240V wall outlet.

4. **Power On Device:** Once connected, power on your device as usual. The adapter will supply the necessary power.

Figure 5: Example of the adapter connected to a power strip and supplying power to a device in a typical office environment.

OPERATION

The onerbl AC/DC Adapter operates automatically once connected. It converts standard AC wall power to the required DC voltage for your device. It is designed for continuous operation within its specified limits.
This adapter is suitable for a wide range of low-power electronic devices that require 12V DC power, such as:

- Routers
- CCTV cameras
- Digital photo frames
- Humidifiers
- LED strips
- Oxygen machines
- Game players

- And other compatible 12V devices.

Figure 6: Visual representation of various devices compatible with this universal AC/DC adapter.

MAINTENANCE AND CARE

Proper care will extend the life of your adapter:

- **Cleaning:** Disconnect the adapter from both the power outlet and your 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 when not in use. Avoid wrapping the cable too tightly around the adapter to prevent damage to the internal wires.
- **Inspection:** Periodically inspect the adapter and cable for any signs of damage, such as frayed wires, cracked casing, or bent pins. If damage is found, discontinue use immediately.
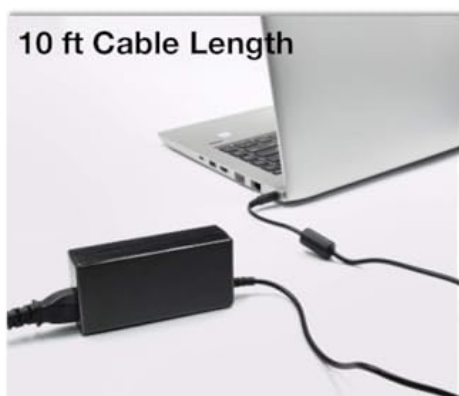
Figure 7: Illustration of the adapter's durable cable construction, featuring copper wire and a PVC jacket for longevity.

TROUBLESHOOTING

If you encounter issues with your adapter, try the following steps:

- **No Power to Device:**
  - Ensure the adapter is securely plugged into a working wall outlet.
  - Verify the barrel connector is fully inserted into your device's power port.
  - Check if the wall outlet is functional by plugging in another device.
  - Confirm that your device is turned on.

- **Device Not Charging/Operating Correctly:**
  - Double-check that the voltage (12V) and amperage (1A) requirements of your device match the adapter's specifications.
  - Inspect the adapter cable and connectors for any visible damage.
  - Try using the adapter with another compatible device to isolate the issue.

- **Adapter Overheating:**
  - Ensure the adapter is not covered or placed in an enclosed space that restricts airflow.
  - Verify that the device connected is not drawing more current than the adapter's 1A rating.
  - If overheating persists, discontinue use and contact support.

SPECIFICATIONS

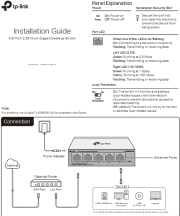| Feature	Detail

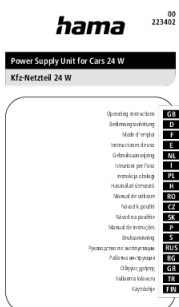| Feature	Detail
Brand	onerbl
Model	Universal AC/DC Adapter (Compatible with TP-Link T120100-2B1)
Input Voltage	AC 100-240V, 50/60Hz (Worldwide AC Input)
Output Voltage	DC 12V
Output Amperage	1A
Wattage	12 Watts
Connector Type	Barrel Connector
Cable Length	Approx. 76 inches (6.3 feet)
Product Dimensions	6 x 4 x 2 inches (packaging dimensions, adapter itself is smaller)
Item Weight	8 ounces
Color	Black
Safety Features	Over Voltage Protection, Over Heat Protection, Short-Circuit Protection
Included Components	1 x AC Adapter

WARRANTY AND SUPPORT

Specific warranty information for this onerbl AC/DC Adapter is not provided in the product details. For warranty claims or technical support, please refer to the retailer or manufacturer's contact information provided at the point of purchase.

Related Documents - Universal AC/DC Adapter

[TP-Link TL-SG605S-M2/TL-SG608S-M2 5/8-Port 2.5G Multi-Gigabit Desktop Switch Installation Guide](#)
Comprehensive installation guide for TP-Link's 5/8-Port 2.5G Multi-Gigabit Desktop Switches (TL-SG605S-M2, TL-SG608S-M2). Learn about panel explanations, connection diagrams, specifications, FAQs, safety information, and regulatory compliance.

[FSP FSP0XX-DHAN3 Series 30W-40W 12V Adapters: Technical Datasheet](#)
Technical datasheet for FSP FSP0XX-DHAN3 series 30W-40W 12V AC to DC adapters, detailing features, specifications, safety approvals, and performance characteristics for ITE applications.

[SPS 15 Universal Switching Power Supply Unit - 1500mA, 12V](#)
The SPS 15 is a versatile universal switching power supply unit from FAST ČR, offering stable output power with multiple voltage settings (3-12V), a maximum current of 1500mA, and essential safety protections. It includes seven adapter plugs for broad compatibility with various electronic devices.

[Hama Car Power Supply Unit 24W - Operating Instructions and Technical Data](#)
Comprehensive operating instructions, safety guidelines, technical specifications, and warranty information for the Hama 24W Car Power Supply Unit (2000mA, 12V). Includes multi-language support and detailed diagrams.

[Poppstar DIN Rail Power Supply YSD60S-1204500 - Technical Manual](#)
Comprehensive technical manual and user guide for the Poppstar YSD60S-1204500 DIN rail power supply, detailing specifications, installation, safety warnings, troubleshooting, and disposal instructions.

[ZOSI 12V DC Power Adapter User Manual - Specifications and Safety Information](#)
Comprehensive user manual for the ZOSI 12V DC Power Adapter, detailing technical specifications like input voltage, frequency, current, standby power, and efficiency, along with critical electrical shock safety warnings.