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TPLTECH GA-1202000

TPLTECH 12V Router Power Supply Adapter GA-1202000 User Manual

1. INTRODUCTION

This manual provides instructions for the TPLTECH 12V Router Power Supply Adapter, Model GA-1202000. This adapter is designed to provide reliable power to a wide range of compatible networking devices, including routers, modems, and switches.



Image: The TPLTECH 12V Router Power Supply Adapter, showing its compact design and standard barrel connector.

2. SAFETY INFORMATION

The TPLTECH 12V Router Power Supply Adapter incorporates several safety features to ensure reliable operation and protection for your devices.

Fireproof Enclosure

The adapter's casing is constructed from pure PC fireproof material with a V0 fire retardant rating, designed to prevent fire hazards.

New power supply scheme safety and durability

New power supply scheme safety and durability

Because the power supply is a long-term power supply product, taking into account other durability, after selecting brand components, engineers will regularly select the product for 720 hours of uninterrupted powersupply testing, and repeatedly test the durability of the product

The power supply is also equipped with an automatic safety box, which will automatically power off in case of short-circuit and high-voltage hazards, and automatically resume work after safety



Image: A close-up view of the adapter's internal components and its fireproof PC enclosure, highlighting the robust construction and safety features.

Circuit Protection

An intelligent circuit design protects connected devices and the adapter itself from over-charging, over-

current, over-voltage, and short circuits. The power supply includes an automatic safety box that powers off in case of short-circuit or high-voltage hazards and automatically resumes operation once safe conditions are restored.

Certifications

This product has undergone rigorous testing and is certified to meet CE, FCC, and UL safety standards, ensuring compliance with international safety regulations.



Image: Documents displaying the FCC, UL, and EMC safety certifications for the TPLTECH power supply adapter, confirming compliance with safety standards.

3. PRODUCT FEATURES

Technical Specifications

- **Input:** 100-240V AC

- **Output:** 12V DC, 2A
- **Cord Length:** 6.6 feet (2 meters)

Durability

The power cord is designed for enhanced durability, featuring a robust construction that withstands over 10,000 bending tests, ensuring a long service life.

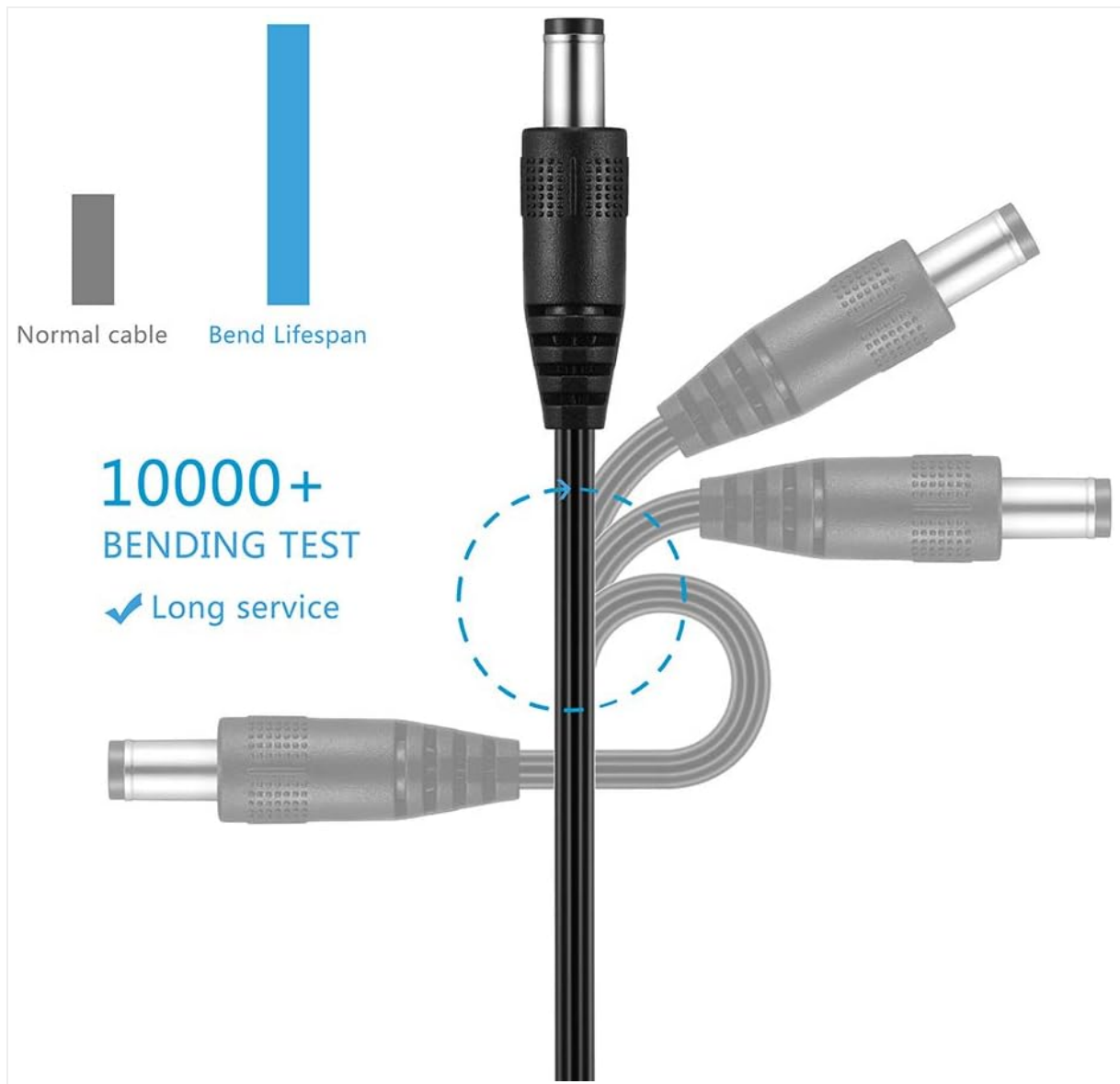


Image: An illustration demonstrating the flexibility and durability of the power cord, showing it undergoing multiple bending tests to ensure a long service life.

4. COMPATIBILITY

This 12V power supply adapter is compatible with a wide range of networking devices. Please verify your device's power requirements (12V, 2A or less) and connector type before use.

Compatible Brands and Models:

- **Netgear:** N150, N300, N600, N450, N450-100NAS, DGN2000-100NAS, DGND3300-100NAS, DGND3700, EX6200, EX6200-100NAS, Nighthawk X4 R7500, R7000, R7500-100NAS, R7500-100NASBN3, ProSafe FVS318, GS108, GS108 CVD31T, CVD31XB, CVD31XT, CMD31B, CMD31T, CME31T, CGD24N, CGE24N, CG814CPR, CG834WG, CG3000, CG3100, CG3200, CG3300, CG2000, CG2100, CBVG834G, CBVG834N, MR814v1, MR814v3, FVS318v1, FVS318v2,

FVS318v3, FVS336Gv2, FVG318v1, FVG318v2, GS116E, WNDR3300v1, WNDR3300v2, WNR3500v1, WN802TV1, PE102, PS104, FR328S, FV318, FR318, CG814M, SAL018F1-NA 332-10375-01, GTV100, GTV100-100NAS, MBR624GU DGN1000-100NAS, WNDR3400, WNDR3700-100NAS, WNDR4000-100NAS, DGN3500-100NAS.

- **Motorola/Arris Surfboard:** SB5100, SB6183, SB6190, SBG6400, SBG6580, SBG6580-G22, SBG6700AC AC1600, SB6120, SB6121, SB6141, SB6180, SB5101U, SB5101I, SB5100, SB5120, SBG6580, SBG6580-G228(570763-006-00), SGB6700AC, SBG900, SBG901; Cable Modem DCT-100, DCT-700, MB7220, MA7420, MG7310, MG7315, MG7540, MG7550, MG7550-10 PN# 503913-007, Model: MT-20-21120-A04F.
- **Linksys:** E1200, E1500, E2000, E2100I, E2500, E3000-rm, E3200, E4200; EA3500, EA4500, EA6200, EA6350; CM3008, CM3016, CM3024, DPC3008; 4400N, 54GP, D12-50-A, RT31P2, RV042, SPA9000, WAG200G, WAG300N, WAG54G, WAG54GS, WCG200, WGA54AG, WKPC54G, WPS54GU2 VERSION 2, WRK54G, WRP200, WRT150N, WRT160N, WRT300N, WRT54G/S, WRT54GL, WRT54GS, Velop WHW0301, WHW0302, WHW0303 AC2200, AC4400, AC6600.
- **Belkin Wireless Router:** N150, N300, N450, N600, N750; F9K1001, F9K1002, F9K1102, F9K1105, F9K1116, F9K1124.
- **TP-LINK:** DOCSIS 3.0 TC-7610-E, TC-7620, TP-Link Archer A7, C5, C7, C9, C50, C900, C1200, C3200, CR700.
- **U.S. Robotics:** USR3453c, USR5686g.
- **Eero Home WiFi System:** A010101, A010201, A010301.
- **Cisco:** DPC3010 DOCSIS 3.0 8x4 Cable Modem.

5. SETUP

Connecting the Power Adapter

1. Ensure your device is powered off before connecting the adapter.
2. Insert the barrel connector of the TPLTECH 12V Power Supply Adapter into the power input port of your compatible device.
3. Plug the AC power cord into a standard electrical outlet (100-240V).
4. Power on your device.

6. OPERATING INSTRUCTIONS

Once connected, the TPLTECH 12V Router Power Supply Adapter will provide continuous power to your device. No further user interaction is typically required for operation.

- Verify that your device powers on and functions correctly after connecting the adapter.
- If your device has a power indicator light, confirm it is illuminated.

7. MAINTENANCE

General Care

- Keep the adapter and its cables clean and free from dust.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Do not place heavy objects on the power cord.
- Ensure proper ventilation around the adapter to prevent overheating.

Storage

- When not in use for extended periods, unplug the adapter from both the device and the wall outlet.
- Store the adapter in a cool, dry place.

8. TROUBLESHOOTING

Device Not Powering On

- **Check Connections:** Ensure the adapter is securely plugged into both the device and the wall outlet.
- **Verify Outlet:** Test the wall outlet with another device to confirm it is functional.
- **Device Compatibility:** Double-check that your device requires 12V DC input and that its current draw does not exceed 2A.
- **Adapter Condition:** Inspect the adapter and cord for any visible damage. If damaged, discontinue use and replace.

Intermittent Power

- **Loose Connection:** Ensure all connections are firm.
- **Overload:** Confirm the device's power requirements do not exceed the adapter's 2A output.

9. SPECIFICATIONS

TPLTECH 12V Router Power Supply Adapter GA-1202000

Feature	Detail
Model Number	GA-1202000
Input Voltage	100-240V AC
Output Voltage	12V DC
Output Current	2 Amps
Wattage	24 watts
Connector Type	Barrel Connector
Cord Length	6.6 feet (2 meters)
Item Weight	5.3 ounces
Package Dimensions	4.57 x 3.27 x 1.46 inches
Certifications	CE, FCC, UL
Manufacturer	TPLtech
Date First Available	August 6, 2018

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact TPLTECH customer service directly. Contact details can typically be found on the manufacturer's official website.