

manuals.plus /

> [LEICKE](#) /

> [LEICKE 5V 10A 50W Power Adapter User Manual](#)

## LEICKE 5V 10A 50W

# LEICKE 5V 10A 50W Power Adapter User Manual

Model: 5V 10A 50W

## 1. PRODUCT OVERVIEW

---

This manual provides instructions for the LEICKE 5V 10A 50W power adapter. This adapter is designed to provide stable 5V power for various electronic devices.



Figure 1: LEICKE 5V 10A 50W Power Adapter with connected EU power cable.

## Key Features:

- 5V 10A output, 50W total power.
- Ideal for LED strips (WS2811, WS2812, WS2812B, WS2801, SK6812, APA102, SK9822, LED8806), NAS systems, routers, CCTV cameras, and other wireless devices.
- Features LEICKE Ultra-Long-Life-Technology (ULL) and SolidPower II (SP2) for stable voltage (100-240V) even with power fluctuations.
- Built-in protection against short circuit, overvoltage, overload, and overheating.
- Includes EU plug power cable and carrying case.

## 2. SAFETY INSTRUCTIONS

---

Please read these safety instructions carefully before using the power adapter to prevent damage or injury.

- Ensure the input voltage of the adapter matches your local power supply (100-240V AC).
- Do not expose the adapter to water, moisture, or extreme temperatures.
- Do not disassemble or attempt to repair the adapter. Refer to qualified service personnel.
- Ensure proper ventilation around the adapter to prevent overheating.

- Connect the adapter to devices that require 5V DC input and do not exceed the 10A current rating.
- Keep out of reach of children.

### 3. SETUP

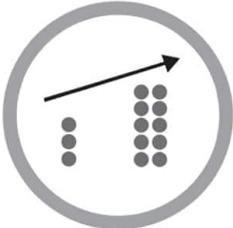
Follow these steps to set up your LEICKE power adapter:

1. **Unpack the Adapter:** Carefully remove the power adapter, EU power cable, and carrying case from the packaging.
2. **Connect the AC Power Cable:** Insert the EU power cable into the AC input port of the power adapter.





Überspannungsschutz  
Overvoltage protection



Überladungsschutz  
Overload protection



Kurzschlusschutz  
Short circuit protection



Temperaturschutz  
Overheat protection



Dieses Gerät wurde entwickelt, konstruiert und gefertigt in Übereinstimmung mit der deutschen DIN-Norm und den bestehenden EG-Richtlinien.

Erfüllt die Richtlinien 2014/30/EU zu elektromagnetischen Verträglichkeit (EMC) und 2014/35/EU der Niederspannungsrichtlinie (LVD) sowie die folgenden Normen zur Gerätesicherheit:

EN 55022: 2010, EN 55024: 2010,  
EN 61000-3-2: 2006+A1:2009+A2: 2009,  
EN61000-3-3: 2013

This device was developed, designed and manufactured in accordance with the German DIN standard and the existing EC directives.

It complies with the directives 2014/30/EU for Electromagnetic Compatibility (EMC) and 2014/35/EU for Low Voltage Directive (LVD) as well as the following standards for equipment safety:

EN 55022: 2010, EN 55024: 2010,  
EN 61000-3-2: 2006+A1:2009+A2: 2009,  
EN61000-3-3: 2013



Figure 2: The included EU power cable for connecting to a wall outlet.

3. **Verify DC Connector:** Ensure the DC output connector (5.5mm outer diameter, 2.5mm inner diameter) is compatible with your device's power input.



Figure 3: Diagram showing the DC connector dimensions: 5.5mm outer diameter, 2.5mm inner diameter.

4. **Connect to Device:** Plug the DC output connector of the adapter into the power input port of your electronic device (e.g., LED strip controller, router, CCTV camera).
5. **Connect to Power Outlet:** Insert the EU power cable plug into a suitable wall power outlet.
6. **Power On:** The adapter will automatically power on. A small LED indicator on the adapter typically illuminates when power is supplied.

## 4. OPERATING INSTRUCTIONS

---

The LEICKE 5V 10A 50W power adapter is designed for continuous operation. Once connected, it provides a stable 5V DC output to your device.

- **Continuous Power:** The adapter delivers constant power as long as it is connected to a power outlet and the connected device is drawing power.
- **LED Indicator:** A small LED light on the adapter indicates that it is receiving power and functioning correctly.
- **Disconnection:** To power off your device, either unplug the adapter from the wall outlet or disconnect the DC connector from your device.

## 5. MAINTENANCE

---

Proper maintenance ensures the longevity and safe operation of your power adapter.

- **Cleaning:** Disconnect the adapter from the power outlet and your device before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and moisture. The included carrying case can be used for protection.
- **Cable Inspection:** Regularly inspect the power cables for any signs of damage, fraying, or exposed wires. If damage is found, discontinue use immediately and replace the cable.
- **Ventilation:** Ensure the adapter's ventilation openings are not blocked during operation.

## 6. TROUBLESHOOTING

---

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

Problem	Possible Cause	Solution
No power output / Device not turning on.	<ul style="list-style-type: none"> <li>• Adapter not plugged into wall outlet.</li> <li>• Wall outlet is not functioning.</li> <li>• DC connector not properly connected to device.</li> <li>• Device requires more than 5V 10A (50W).</li> <li>• Faulty adapter or cable.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the adapter is securely plugged into a live wall outlet.</li> <li>• Test the wall outlet with another device.</li> <li>• Verify the DC connector is fully inserted into the device's power port.</li> <li>• Check your device's power requirements. This adapter provides 5V 10A.</li> <li>• If all else fails, contact customer support.</li> </ul>
Adapter is hot to the touch.	<ul style="list-style-type: none"> <li>• Normal operation under load.</li> <li>• Poor ventilation.</li> <li>• Overload (device drawing too much current).</li> </ul>	<ul style="list-style-type: none"> <li>• Some warmth is normal.</li> <li>• Ensure the adapter is in a well-ventilated area.</li> <li>• Disconnect the device and check its power requirements. If it exceeds 10A, this adapter is unsuitable.</li> </ul>
Intermittent power.	<ul style="list-style-type: none"> <li>• Loose connections.</li> <li>• Damaged cable.</li> </ul>	<ul style="list-style-type: none"> <li>• Check all connections (wall outlet, AC cable to adapter, DC cable to device) for secure fit.</li> <li>• Inspect cables for damage. Replace if necessary.</li> </ul>

## 7. SPECIFICATIONS

Feature	Detail
Brand	LEICKE
Model	5V 10A 50W Power Adapter
Input Voltage	100-240V AC
Output Voltage	5V DC
Output Current	10A
Output Power	50W
DC Connector Dimensions	5.5mm (Outer Diameter) / 2.5mm (Inner Diameter)
Special Features	Short circuit protection, Overvoltage protection, Overload protection, Overheat protection

Feature	Detail
<b>Compatible Devices</b>	LED strips (WS2811, WS2812, WS2812B, WS2801, SK6812, APA102, SK9822, LED8806), Routers, Wireless devices, CCTV cameras, Monitors, etc.
<b>Included Components</b>	LEICKE 5V 10A Power Adapter, EU Power Cable, Carrying Case

## 8. WARRANTY AND SUPPORT

---

LEICKE products are designed for reliability and performance. This product comes with a 24-month warranty.

- **Warranty Period:** 24 months from the date of purchase.
- **Certification:** All LEICKE products are CE certified for safety.
- **Customer Support:** For technical assistance, warranty claims, or further inquiries, please visit the official LEICKE website or contact your retailer.
- **Online Resources:** For additional information and support, please visit [www.leicke.com](http://www.leicke.com).