

## SHNITPWR SNT-2405

# SHNITPWR 24V 5A 120W DC Power Supply User Manual

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your SHNITPWR 24V 5A 120W DC Power Supply. Please read these instructions carefully before operating the device and retain them for future reference.

The SHNITPWR 24V 5A 120W DC Power Supply is designed to convert AC household current to a stable 24V DC output, suitable for a wide range of compatible electronic devices requiring up to 5 Amperes of current.

## 2. SAFETY INFORMATION

- This product is an AC to DC adapter, not a charger. It is not intended for charging electronic devices with batteries, such as laptops. Using it for such purposes may damage your device.
- Always verify the voltage and amperage requirements of your device before connecting the power supply. Incorrect voltage can cause severe damage.
- To prevent damage and ensure longevity, it is recommended to operate the power supply at less than 80% of its full load capacity (i.e., for devices requiring up to 96W).
- Never overload the power supply beyond its maximum output of 5A or 120W. Overloading will damage the unit.
- The power supply features built-in safety protections including automatic overload cut-off, over voltage cut-off, automatic thermal cut-off, and short circuit protection.
- The unit is designed for low temperature operation, producing no noise, and is resistant to spontaneous combustion, explosion, and fire hazards.
- Ensure the power plug's size and polarity match your device. This adapter has a Central Positive (+) and Outer Negative (-) polarity and is compatible with 5.5 x 2.5mm sockets.
- Keep the power supply away from water, moisture, and extreme temperatures.

## 3. PRODUCT OVERVIEW

The SHNITPWR 24V 5A 120W DC Power Supply is a robust and reliable power solution for various electronic

applications. It includes the main adapter unit, an AC input cable, and a DC output cable with a 5.5x2.5mm barrel connector.



Image 1: The SHNITPWR 24V 5A 120W DC Power Supply unit, showing the main adapter, AC power cord, and DC output cable with a barrel connector.

### Product Size:



Image 2: Detailed dimensions of the power supply unit and cable lengths. The adapter measures approximately 14cm (5.5in) in length, 6cm (2.3in) in width, and 4cm (1.5in) in height. The DC plug is 5.5mm x 2.5mm.

### BUILT SAFETY PROTECTIONS

Designed with Safety in mind

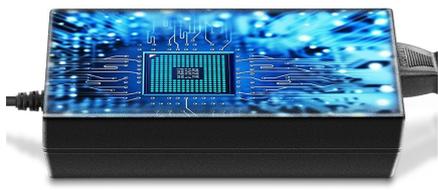


Image 3: Visual representation of the built-in safety protections, including short circuit, over voltage, overcurrent, over temperature, electromagnetic wave protection, and a quality microchip.

## Product details



Standard 3 prong wall plug  
Super quality copper power cord  
5.5mm x 2.5mm universal DC port  
Exquisite workmanship

Image 4: Close-up view of the standard 3-prong wall plug, the super quality copper power cord, and the 5.5mm x 2.5mm universal DC port, highlighting exquisite workmanship.

## Broad Compatibility



Widely used to power  
5050 3528 LED Strip Light  
Wireless Router, Home Gateway  
3D Printer, LED Driver  
CCTV Security System  
LCD Monitor  
.....

More...

Image 5: Illustrates the broad compatibility of the power supply with devices such as 5050 3528 LED Strip Lights, Wireless Routers, 3D Printers, LED Drivers, CCTV Security Systems, and LCD Monitors.

## AC to DC Adapter/ Power Supply

OVP-Over Voltage Protection  
OCP-Over Current Protection  
SCP-Short Circuit Protection  
OTP-Over Temperature Protection



Image 6: Depicts the AC to DC adapter in use, emphasizing its Over Voltage Protection (OVP), Over Current Protection (OCP), Short Circuit Protection (SCP), and Over Temperature Protection (OTP).



Image 7: Provides professional advice from licensed electricians, recommending that the maximum use should be less than or equal to 80% of the full load to prevent overheating and extend service life.

## 4. SETUP INSTRUCTIONS

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1. **Unpack the Components:** Carefully remove the power supply unit, AC power cord, and DC output cable from their packaging.
2. **Connect AC Power Cord:** Insert the 3-prong end of the AC power cord into the corresponding receptacle on the SHNITPWR power adapter.
3. **Connect DC Output Cable:** Plug the barrel connector of the DC output cable into the 24V DC input port of your electronic device. Ensure a secure fit.
4. **Connect to Power Outlet:** Insert the wall plug end of the AC power cord into a standard AC 100-240V, 50/60Hz wall outlet.
5. **Verify Connection:** Once plugged in, the power supply unit may illuminate an indicator light (typically blue) to confirm it is receiving power.

## 5. OPERATING INSTRUCTIONS

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The SHNITPWR 24V 5A 120W DC Power Supply operates automatically once connected to a power source and a compatible device. No manual adjustments are required for standard operation.

- **Input Voltage:** The adapter accepts a wide range of AC input voltages from 100V to 240V at 50/60Hz, making it suitable for international use with appropriate plug adapters (not included).
- **Output Specifications:** It provides a stable 24V DC output with a maximum current of 5 Amperes and a maximum power output of 120 Watts.
- **Amperage Supply:** The power supply will deliver the exact amperage required by your device, up to its 5A maximum. For example, if your device draws 3A, 3A will be supplied. If your device attempts to draw more than 5A, the power supply's protection mechanisms will activate, or the unit may be damaged.
- **Compatibility:** This power supply is ideal for devices such as 5050 3528 24V LED Strip Lights, Wireless Routers, ADSL Cats, HUBs, Security Cameras, Audio/Video Power Supplies, 3D Printers, LED Drivers, CCTV Security Systems, LCD Monitors, Webcam Routers, and other 24V devices that utilize a 5.5 x 2.5mm DC input plug with center-positive polarity.

## 6. MAINTENANCE

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To ensure optimal performance and extend the lifespan of your SHNITPWR DC Power Supply, follow these maintenance guidelines:

- **Cleaning:** Disconnect the power supply from the wall outlet and your device before cleaning. Use a soft, dry cloth to wipe the exterior. Avoid using liquid cleaners or solvents.
- **Storage:** Store the power supply in a cool, dry place when not in use. Avoid areas with high humidity or extreme temperatures.
- **Cable Care:** Do not bend or crimp the cables excessively. Avoid placing heavy objects on the cables, which can cause internal damage.
- **Ventilation:** Ensure the power supply has adequate ventilation during operation. Do not cover it or place it in an enclosed space that could restrict airflow.

## 7. TROUBLESHOOTING

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- **Device Not Powering On:**
  - Check all cable connections to ensure they are secure.
  - Verify that the wall outlet is functional.
  - Confirm that your device's voltage and amperage requirements match the power supply's output (24V, max 5A).
  - Ensure the DC plug size (5.5 x 2.5mm) and polarity (center positive) are correct for your device.
- **Power Supply Overheating:**
  - The power supply may be overloaded. Reduce the load by disconnecting devices or ensuring the total wattage drawn is below 96W (80% of 120W).
  - Ensure adequate ventilation around the power supply.
- **Intermittent Power:**
  - Check for loose connections at both the AC input and DC output.
  - Inspect cables for any visible damage.
- **No Indicator Light:**
  - Ensure the power supply is correctly plugged into a live wall outlet.
  - Check the AC power cord for damage.

If issues persist after troubleshooting, please contact SHNITPWR customer support for assistance.

## 8. SPECIFICATIONS

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Feature	Specification
Model Number	SNT-2405
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 24V
Output Amperage	Max 5A
Output Wattage	Max 120W

Feature	Specification
DC Connector Type	Barrel connector (5.5 x 2.5mm)
DC Connector Polarity	Center Positive (+)
Product Dimensions	6.5 x 2.36 x 1.45 inches
Item Weight	1.08 pounds
Color	Black
Safety Certifications	FCC, CE, RoHS
Special Features	Automatic overload cut-off, over voltage cut-off, automatic thermal cut-off, short circuit protection

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your SHNITPWR 24V 5A 120W DC Power Supply, please refer to the contact information provided with your purchase or visit the official SHNITPWR website. Ensure you have your model number (SNT-2405) and purchase details available when contacting support.

### Related Documents - SNT-2405

 <p>PORTABLE WORK STAND</p>	<p><a href="#">VEVOR Portable Work Stand: User Manual, Safety, Assembly, and Specifications</a></p> <p>Comprehensive user manual for the VEVOR Portable Work Stand, covering safety instructions, preparation, precautions for using planks and power tools, environmental considerations, product overview, parameter specifications, package contents, assembly steps, and general maintenance. Includes model numbers SNT-15, SNT-9, SNT-6, SNT-12, SNT-6A, SNT-15A.</p>
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[Canon Cushion Cover or Mini Quilt Sewing Pattern - nanaCompany](#)

Download the free Canon Cushion Cover or Mini Quilt sewing pattern from nanaCompany. Includes materials list, cutting instructions, and assembly guide for a beautiful patchwork project.



[Magic Lantern APP Operation Manual](#)

This manual provides instructions for operating the Magic Lantern APP, a mobile application designed to control LED light strips. It covers features, operating environment, app download, and detailed operational steps for color adjustment, music synchronization, timing functions, and more.



[V-TAC VT-2405 RF LED Controller with Touch Remote - User Manual & Specifications](#)

Detailed information on the V-TAC VT-2405 RF Controller with Touch Remote. Includes product description, technical specifications, dynamic modes, remote control functions, and connection instructions for RGB LED strips.



[Manuel de configuration de la caméra HD-TVI 1080P TruVision](#)

Ce manuel de configuration fournit des instructions détaillées pour les caméras HD-TVI 1080P TruVision d'Interlogix. Il couvre la programmation, les arborescences de menus, et les réglages essentiels tels que l'exposition, la balance des blancs, la réduction du bruit et les options spéciales pour optimiser les performances de votre système de surveillance.



[INFICON ELT Vmax Battery Leak Detector Operating Instructions](#)

Comprehensive operating instructions for the INFICON ELT Vmax Battery Leak Detector (Catalog No. 600-301), covering safety, installation, operation, and maintenance for ensuring battery quality and safety.

