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JOYLIT PW12-6A

JOYLIT 12V 6A Power Supply Adapter Instruction Manual

Model: PW12-6A

1. Introduction

This manual provides essential information for the safe and effective use of your JOYLIT 12V 6A Power Supply Adapter. Please read it thoroughly before operation and retain it for future reference.

This adapter is designed to convert AC 100-240V household current to stable DC 12V 6A power, suitable for various low-voltage electronic devices such as LED light strips, CCTV cameras, wireless routers, ADSL modems, and hubs.

2. Safety Information

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

- This power adapter is designed for **indoor use only**. Do not expose it to moisture, rain, or extreme humidity.
- Ensure adequate ventilation around the adapter. Do not cover it or place it in an enclosed space that could restrict airflow.
- Disconnect the adapter from the power outlet before cleaning. Use a dry, soft cloth for cleaning.
- Do not disassemble or attempt to repair the adapter. Refer all servicing to qualified personnel.
- Verify that the voltage and amperage requirements of your device match the output specifications of this adapter (12V DC, 6A). Using an incompatible adapter may damage your device.
- Insert the AC power cord fully into the wall outlet and the adapter's input port.

3. Package Contents

The package includes the following items:

- 1 x JOYLIT 12V 6A Power Supply Adapter (Model: PW12-6A)
- 1 x US Power Cord

4. Product Overview

The JOYLIT 12V 6A Power Supply Adapter consists of the main adapter unit and a detachable AC power cord. The adapter features an AC input port, a DC output cable with a barrel connector, and a power indicator light.



This image displays the JOYLIT 12V 6A power supply adapter unit alongside its detachable US standard power cord. The adapter features a black casing with product specifications printed on it, and a DC output cable with a barrel connector. The power cord has a standard US two-prong plug on one end and an IEC C7 connector on the other, designed to connect to the adapter.

5. Setup

Follow these steps to set up your power adapter:

1. **Connect the AC Power Cord:** Insert the IEC C7 end of the provided US power cord into the AC input port on the JOYLIT power adapter. Ensure it is firmly seated.



This image shows the AC input port on the JOYLIT 12V 6A power adapter, designed for connection with the provided US power cord. The port is a standard IEC C8 inlet, ensuring a secure connection for the AC power supply.

2. **Connect to Your Device:** Plug the DC output barrel connector (2.1mm x 5.5mm, center positive) from the adapter into the corresponding power input port on your electronic device.



This image illustrates the DC output cable of the JOYLIT 12V 6A power adapter, terminating in a 2.1mm x 5.5mm barrel connector. This connector is used to supply 12V DC power to compatible electronic devices.

3. **Connect to Power Outlet:** Plug the US standard two-prong plug of the AC power cord into a suitable wall power outlet (100-240V AC).

6. Operating

Once all connections are secure and the adapter is plugged into a live power outlet, the adapter will begin supplying 12V DC power to your connected device. A small indicator light on the adapter unit will illuminate, confirming that power is being supplied.

7. Maintenance

Proper maintenance ensures the longevity and performance of your power adapter:

- Keep the adapter clean and dry. Avoid exposure to dust, dirt, and liquids.
- Store the adapter in a cool, dry place when not in use.
- Avoid placing heavy objects on the adapter or its cables.
- Do not bend or crimp the cables excessively, as this can damage internal wiring.

8. Troubleshooting

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

- **No Power Output:**
  - Check that the AC power cord is securely connected to both the adapter and the wall outlet.
  - Verify that the wall outlet is functional by plugging in another device.
  - Ensure the DC barrel connector is fully inserted into your device's power input.
  - Confirm that the power indicator light on the adapter is illuminated.
- **Device Not Functioning Correctly:**
  - Double-check that your device's voltage and amperage requirements match the adapter's output (12V DC, 6A).
  - Ensure your device is not drawing more than 6A, as this could cause the adapter to shut down or malfunction due to overload protection.
  - Test the device with another compatible power source if available, to rule out a device malfunction.

9. Specifications

Parameter	Value
Model Number	PW12-6A
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	12V DC
Output Current	6A
Output Wattage	72W
DC Connector Type	2.1mm x 5.5mm Barrel (Center Positive)
DC Cable Length	Approximately 110cm (3.6ft)
AC Cord Length	1.2M
Dimensions (L x W x H)	128 x 55 x 32 mm (5 x 2.2 x 1.26 inches)
Material	Acrylonitrile Butadiene Styrene (ABS)
Operating Temperature	-20 to 60 Degrees Celsius
Special Features	Short Circuit Protection

10. Warranty and Support

This product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the product packaging or contact JOYLIT customer support.

For technical assistance or support, please visit the official JOYLIT website or contact their customer service department for further guidance.

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