

PSC8A2-S4C

Generic AC 100-240V to DC 12V 8A Power Supply with 4-Port Split Adaptor Cable User Manual

Model: PSC8A2-S4C

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient use of your Generic AC 100-240V to DC 12V 8A Power Supply with 4-Port Split Adaptor Cable. This power supply is designed to deliver stable 12V DC power, suitable for powering up to four CCTV cameras or other compatible electronic devices requiring a 12V DC input with a 2.1mm x 5.5mm barrel connector. Please read this manual thoroughly before installation and operation.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x DC 12V 8A Power Supply Adapter with integrated DC output cable
- 1 x AC Power Cord (country-specific, if applicable)
- 1 x 1-to-4 DC Splitter Connector Cable

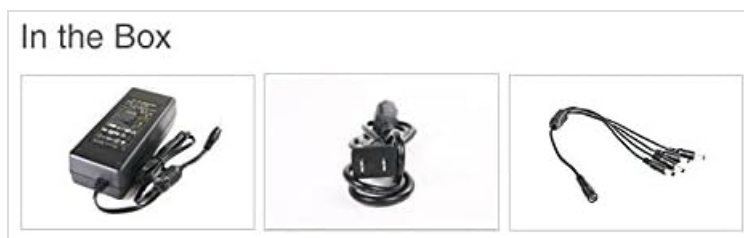


Figure 2.1: Contents of the product package, including the power supply, AC cord, and 4-port splitter.

3. SETUP INSTRUCTIONS

Follow these steps to set up your power supply system:

1. **Connect the AC Power Cord:** Insert the AC power cord into the input receptacle on the power supply adapter. Ensure it is firmly seated.
2. **Connect the DC Splitter Cable:** Plug the female end of the 1-to-4 DC splitter connector cable into the male DC output plug of the power supply adapter.
3. **Connect Devices:** Plug the male DC plugs of the splitter cable into the power input ports of your CCTV

cameras or other compatible devices. Ensure the plug diameter (2.1mm inner, 5.5mm outer) matches your devices.

4. **Connect to Wall Outlet:** Plug the AC power cord into a standard 100-240V AC wall outlet.



Figure 3.1: Illustration of the power supply components and their connections.



Figure 3.2: Detail of the AC input connection on the power supply.

4. OPERATING INSTRUCTIONS

Once all connections are securely made as described in the Setup section, the power supply will automatically begin providing 12V DC power to the connected devices. There are no user-adjustable settings or controls on this power supply. Ensure that the total current draw of all connected devices does not exceed 8 Amps to prevent overloading.

5. MAINTENANCE

To ensure the longevity and proper functioning of your power supply, observe the following maintenance guidelines:

- **Cleaning:** Disconnect the power supply from the wall outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Environment:** Keep the power supply in a dry environment, away from moisture, direct sunlight, and extreme temperatures.
- **Inspection:** Periodically inspect the power supply unit and all cables for any signs of damage, such as cuts, fraying, or bent pins. Replace damaged components immediately.
- **Ventilation:** Ensure adequate ventilation around the power supply to prevent overheating. Do not cover the unit.

6. TROUBLESHOOTING

If you encounter issues with your power supply, refer to the following troubleshooting steps:

- **No Power to Devices:**
 - Ensure the AC power cord is securely plugged into both the power supply and a functional wall outlet.
 - Verify that the wall outlet is receiving power by testing it with another device.
 - Check all DC connections between the power supply, splitter cable, and devices for secure fit.
- **Devices Malfunctioning or Flickering:**
 - Confirm that the total current draw of all connected devices does not exceed the power supply's 8A maximum output. Overloading can cause instability.
 - Ensure all connections are tight and free from corrosion.
 - Verify that your devices are compatible with a 12V DC power input.
- **Power Supply Overheating:**
 - Disconnect the power supply immediately.
 - Ensure the unit is in a well-ventilated area and not covered.
 - Reduce the load by disconnecting some devices if the total current draw is too high.

7. SPECIFICATIONS

Detailed technical specifications for the Generic AC 100-240V to DC 12V 8A Power Supply:

Model Number	PSC8A2-S4C
Input Voltage	100-240V AC
Input Current	1.6A
Input Frequency	50-60Hz
Output Voltage	12V DC
Output Current	8A Max
DC Connector Type	Barrel Connector (2.1mm inner, 5.5mm outer)
DC Splitter Ports	4
Power Cable Length (DC)	Approx. 107 cm (42 inches)
Power Cord Length (AC)	Approx. 109 cm (43 inches)
Compatible Devices	Cameras, other 12V DC devices



Figure 7.1: Power supply label with detailed specifications.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided by your retailer or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.