

## COOLM 12V2.5A-4S

# COOLM 12V 2.5A Power Adapter with 4-Way Splitter Cable Instruction Manual

## INTRODUCTION

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This manual provides essential information for the safe and effective use of your COOLM 12V 2.5A Power Adapter with 4-Way Splitter Cable. Please read these instructions carefully before use to ensure proper installation and operation.

## PRODUCT OVERVIEW

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The COOLM 12V 2.5A Power Adapter is designed to convert standard AC 100-240V input to a stable DC 12V 2.5A output, suitable for various low-voltage electronic devices. The included 4-way power splitter cable allows for powering multiple devices simultaneously from a single adapter, simplifying your power setup.



Image showing the COOLM 12V 2.5A Power Adapter and the 4-way splitter cable.

# Product Description



Image highlighting external features of the power adapter, including the PC+ABS fireproof case, anti-jamming magnetic ring, LED indicator, and anti-creep design.

## KEY FEATURES

- **Universal Input:** AC 100-240V, 50/60Hz for worldwide compatibility.
- **Stable Output:** DC 12V, 2.5A (30W Max) for reliable power delivery.
- **Standard DC Plug:** 5.5mm x 2.5mm barrel connector, compatible with 5.5mm x 2.1mm devices.
- **4-Way Splitter:** Conveniently powers up to four devices from a single adapter.
- **Advanced Safety:** Built-in safeguards against over-current, over-voltage, short circuit, internal overheating, and overloading.
- **Broad Application:** Ideal for CCTV cameras, DVRs, NVRs, IP cameras, LED strip lights (single color 3528/5050), wireless routers, and other 12V DC input devices not exceeding 30W.

# Safety & Multi-Protect



Over-Current  
Protection



Over-Voltage  
Protection



Short Circuit  
Protection



- ★ Reinforce outer shell
- ★ Small and delicate, easy to carry

Diagram illustrating the over-current, over-voltage, and short circuit protection features of the power adapter.

## SPECIFICATIONS

Brand	COOLM
Model Number	12V2.5A-4S
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	2.5 Amps (2500mA)
Output Power	30 Watts Max
DC Plug Size	5.5mm x 2.5mm (compatible with 5.5mm x 2.1mm)
DC Cable Length (Adapter)	Approximately 110 cm (3.6 ft)

<b>Splitter Cable Length</b>	Approximately 40 cm (16 inches)
<b>Operating Environment</b>	Indoor use only (Non-waterproof)
<b>Enclosure Material</b>	PC+ABS Fireproof Case



## Positive Polarity



Make sure the 5.5mm\*2.5mm adapter could fit your devices

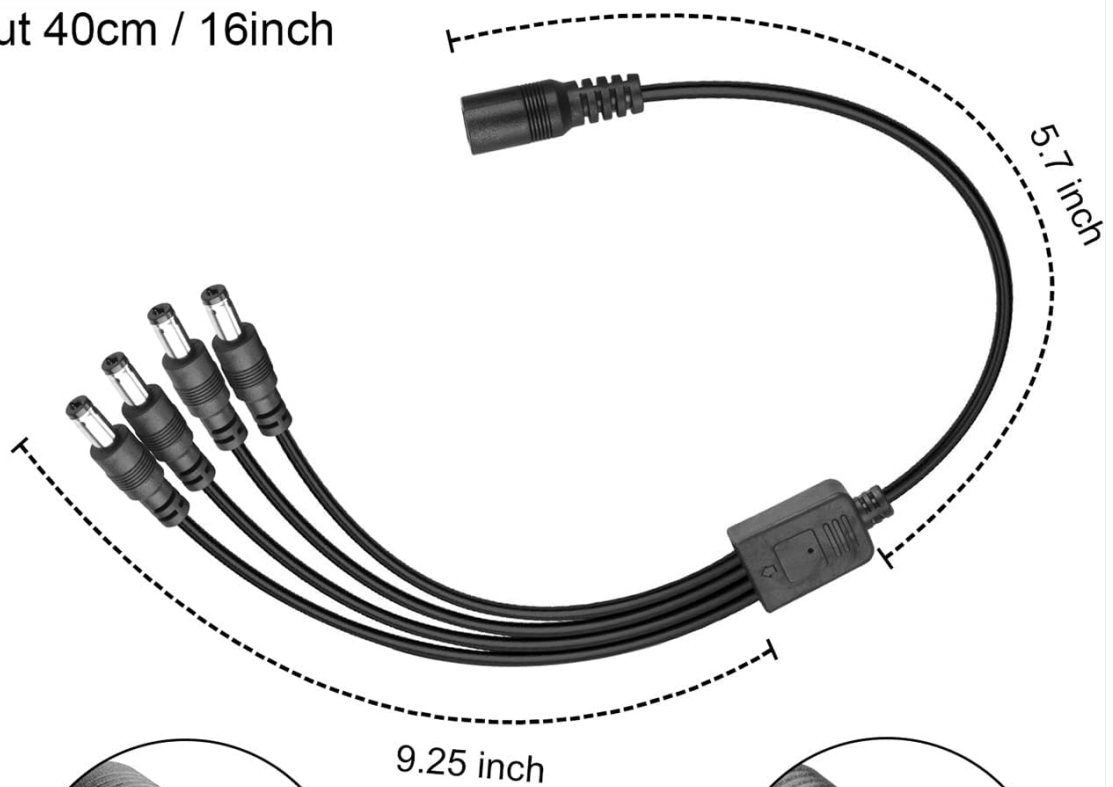


5.5\*2.5 DC Port/Fit with  
5.5\*2.1 interface also

Image detailing the positive polarity and dimensions of the 5.5mm x 2.5mm DC output plug, also showing compatibility with 5.5mm x 2.1mm.

## Cable Length:

about 40cm / 16inch



**Connector size**  
**OD:5.5mm\*ID:2.1mm**



**Compatible plug**  
**OD:5.5mm\*ID:2.1mm**

Diagram showing the cable length of the 4-way splitter, approximately 40cm or 16 inches, with connector size details for 5.5mm OD and 2.1mm ID.

## PACKAGE CONTENTS

- 1 x COOLM DC 12V 2.5A Power Supply
- 1 x 4-Way Power Splitter Cable



Close-up image of the 4-way power splitter cable, showing one female input and four male outputs.

## SETUP INSTRUCTIONS

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1. **Verify Device Compatibility:** Ensure your device requires a 12V DC input and its total power consumption does not exceed 30W (2.5A). Confirm the DC plug size of your device is compatible with 5.5mm x 2.5mm or 5.5mm x 2.1mm.
2. **Connect Power Adapter:** Plug the DC output connector of the 12V 2.5A power adapter into the input port of your device. If using the splitter, connect the power adapter's DC output to the female end of the 4-way splitter cable.
3. **Connect Devices to Splitter (Optional):** If using the 4-way splitter, connect up to four compatible devices to the male output plugs of the splitter cable. Ensure the total power draw of all connected devices combined does not exceed 30W.
4. **Plug into Wall Outlet:** Insert the AC plug of the power adapter into a standard AC 100-240V wall outlet.
5. **Verify Operation:** Check if your device powers on correctly. The power adapter typically has an LED indicator to show it is receiving power.

## OPERATING INSTRUCTIONS

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Once properly connected, the power adapter will continuously supply 12V DC power to your connected devices. No further user interaction is typically required for operation.

- Ensure the power adapter is placed in a well-ventilated area to prevent overheating.

- Avoid exposing the adapter to moisture or extreme temperatures.
- Disconnect from the power outlet when not in use for extended periods.

## MAINTENANCE

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- Keep the adapter clean and free from dust. Use a dry, soft cloth for cleaning.
- Do not attempt to open or repair the adapter. Refer to qualified personnel for service.
- Regularly inspect the cables for any signs of damage, such as fraying or cuts. Replace immediately if damage is found.

## TROUBLESHOOTING

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### No Power to Device:

- Ensure the power adapter is securely plugged into both the wall outlet and the device/splitter.
- Verify the wall outlet is functional by testing with another appliance.
- Check if the LED indicator on the power adapter is lit (if present).
- Confirm that your device's power requirements (voltage, amperage, plug size) match the adapter's specifications.
- If using the splitter, ensure the connection between the adapter and splitter is secure. A loose connection can cause intermittent power loss.
- Ensure the total wattage of connected devices does not exceed the adapter's maximum output of 30W.

### Device Malfunction or Instability:

- The power adapter might be overloaded. Disconnect some devices if using the splitter, or ensure the single device's power draw is within limits.
- Check for proper polarity if your device is sensitive to it (this adapter has positive polarity, center pin positive).
- Ensure the adapter is not overheating. Allow it to cool down and ensure proper ventilation.

## SAFETY INFORMATION

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- For indoor use only. Do not expose to rain, moisture, or high humidity.
- Do not operate the adapter if it has been damaged in any way.
- Keep out of reach of children.
- Do not disassemble the power adapter.
- Ensure proper ventilation around the adapter during operation.
- Always disconnect the power adapter from the wall outlet before cleaning or when not in use for extended periods.

## WARRANTY AND SUPPORT

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This product is manufactured by COOLM. For support or warranty inquiries, please refer to the retailer where the product was purchased or contact COOLM directly through their official channels. Please retain your proof of purchase for warranty claims.

**Return Policy:** A 30-day return/replacement policy is typically offered by retailers. Please check with your specific vendor for details regarding returns and replacements.

