**APC AP9870**

# APC AP9870 2.5m C13 to C14 Power Cord User Manual

Model: AP9870 | Brand: APC

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your APC AP9870 2.5m C13 to C14 Power Cord. This power cord is designed for connecting devices requiring an IEC-320 C14 input to a power source with an IEC-320 C13 output.



Figure 1: APC AP9870 2.5m C13 to C14 Power Cord, showing both C13 (female) and C14 (male) connectors.

## 2. SAFETY INFORMATION

- Ensure the power cord is compatible with the voltage and current requirements of your equipment.
- Do not overload power outlets or extension cords.
- Avoid bending or crimping the power cord excessively.
- Keep the power cord away from heat sources, water, and sharp objects.
- Do not use the power cord if it is damaged or frayed.
- Always grasp the plug when disconnecting, not the cord itself.

## 3. SETUP AND CONNECTION

The APC AP9870 power cord facilitates power connection between devices. Follow these steps for proper setup:

1. Identify the C14 (male) connector on your power cord. This connector plugs into the C13 (female) receptacle of your power distribution unit (PDU), uninterruptible power supply (UPS), or other power source.
2. Identify the C13 (female) connector on your power cord. This connector plugs into the C14 (male) inlet of your computer, server, monitor, or other compatible electronic device.
3. Ensure both connections are firm and secure to prevent accidental disconnections or power interruptions.
4. Verify that the power source is switched off before connecting or disconnecting the power cord to prevent electrical hazards.



Figure 2: Close-up view of the C13 (female) and C14 (male) connectors, illustrating their distinct shapes for correct connection.

## 4. OPERATION

Once properly connected, the APC AP9870 power cord operates passively to supply power to your connected device. No user interaction is required during operation other than ensuring a stable power supply from the source.

- Ensure the power source is active and providing the correct voltage (90-250 VAC) and frequency (50/60 Hz).
- The cord is rated for a maximum total current draw of 10A per phase. Do not exceed this rating.

## 5. KEY FEATURES

- **Length:** 2.5 meters (approximately 8 feet)
- **Connectors:** IEC 320 EN 60320 C13 (female) to IEC 320 C14 (male)
- **Color:** Black
- **Maximum Current Draw:** 10A per phase
- **Input Voltage Compatibility:** 90 ~ 250 VAC
- **Input Frequency:** 50/60 Hz



Figure 3: The APC AP9870 power cord, illustrating its coiled form and typical packaging.

## 6. TECHNICAL SPECIFICATIONS

| Attribute | Value |
| --- | --- |
| Model Number | AP9870 |
| Brand | APC |

| Attribute | Value |
| --- | --- |
| Length | 2.5 meters (8 ft) |
| Input Connector | IEC-320 C14 (Male) |
| Output Connector | IEC 320 C13 (Female) |
| Color | Black |
| Maximum Current | 10A |
| Acceptable Input Voltage | 90 ~ 250 VAC |
| Input Frequency | 50/60 Hz |
| Item Weight | 0.32 ounces |

## 7. MAINTENANCE

The APC AP9870 power cord requires minimal maintenance. Regular inspection can help ensure its longevity and safe operation.

- Periodically inspect the cord for any signs of damage, such as cuts, abrasions, or kinks.
- Check the connectors for any signs of wear, corrosion, or loose pins.
- Keep the cord clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- Store the cord in a cool, dry place when not in use, avoiding tight coiling that could stress the cable.

## 8. TROUBLESHOOTING

If you experience issues with your power connection, consider the following troubleshooting steps:
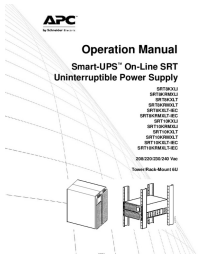
- **No Power to Device:**

  - Ensure both the C13 and C14 connectors are fully seated.
  - Check if the power source (PDU, UPS, wall outlet) is active and supplying power.
  - Test the device with another known-good power cord, if available.
  - Inspect the power cord for visible damage. If damaged, replace it immediately.

- **Intermittent Power:**

  - Verify that the connectors are not loose.
  - Ensure the power cord is not being moved or disturbed during operation.
  - Check for any signs of internal damage by gently flexing the cord; if issues persist, replace the cord.

- **Overheating:**

  - Ensure the connected device's power draw does not exceed the cord's 10A rating.
  - Verify proper ventilation around the power cord and connected devices.
  - If the cord feels excessively hot, disconnect it immediately and investigate the cause.
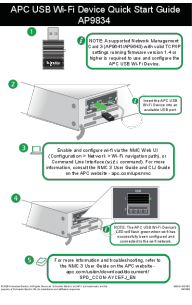
## 9. WARRANTY AND SUPPORT

For information regarding warranty coverage and technical support for your APC AP9870 power cord, please refer to the official APC website or contact APC customer service directly. Specific warranty terms may vary by region and purchase date.

## Related Documents - AP9870

| | |
|---|---|
|  | [APC Smart-UPS On-Line SRT Operation Manual](#)<br>Operation manual for the APC Smart-UPS On-Line SRT series of uninterruptible power supplies (UPS), detailing installation, operation, safety, specifications, and troubleshooting for models SRT8K and SRT10K. |
|  | [APC-KP1-C Access Control Keypad User Manual](#)<br>User manual for the APC-KP1-C access control keypad by APC Automation Systems. Provides detailed information on installation, technical specifications, administrator operations, user settings, sound and light indications, and system specifications for secure access control. |
|  | [APC Proteous Series STARK6 STARK12 Gate Automation Actuator Installation Manual](#)<br>Installation manual for APC Proteous Series STARK6 and STARK12 gate automation actuators. Provides specifications, safety instructions, step-by-step installation guides, wiring diagrams, and warranty information for gate automation systems. |
|  | [APC Smart-UPS SRT 10000VA 208V Technical Specifications](#)<br>Detailed technical specifications for the APC Smart-UPS SRT 10000VA 208V, including output, input, battery, communication, physical, environmental, and conformance details. Model SRT10KXLT. |
|  | [APC MX28B600 DC Power Plant Product Manual](#)<br>This product manual provides detailed information on the APC MX28B600 DC Power Plant, covering installation, setup, operation, technical specifications, and warranty. Learn about its features, components, and maintenance from APC. |

[APC USB Wi-Fi Device Quick Start Guide AP9834](#)

Quick start guide for the APC USB Wi-Fi Device (AP9834), detailing installation and configuration steps for Network Management Cards.