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> CERRXIAN IEC C14 Plug Adapter User Manual

## CERRXIAN IEC C14 Plug Adapter

# CERRXIAN IEC C14 Plug Adapter User Manual

Model: IEC C14 Plug Adapter

## 1. INTRODUCTION

The CERRXIAN IEC C14 Plug Adapter is designed for various electrical applications, including power supplies, household appliances, and other electrical devices. This manual provides comprehensive instructions for its proper installation, operation, and maintenance, ensuring safe and efficient use.



Image 1.1: Two CERRXIAN IEC C14 Plug Adapters, showing the external design.

## 2. PRODUCT FEATURES

- **Rated Voltage:** Supports a wide range of 125 V to 250 V.
- **Durable Construction:** Made from flame-retardant material, ensuring wear and abrasion resistance for a long service life.
- **High Temperature Resistance:** The exterior is constructed from ABS material, providing both strength and high temperature resistance.
- **Versatile Application:** Suitable for various power supplies, devices, electrical appliances, and general household equipment.
- **Grounded System Compatibility:** Designed to accommodate electrical devices with a grounded socket system.

## 3. SPECIFICATIONS

Specification	Value
Rated Voltage	125 V - 250 V
Rated Current	10 A
Load Capacity	2 kW
Frequency	50/60 Hz
Connector Type	IEC C14
Number of Conductors	3
Material	Flame-retardant ABS
Color	Black
Package Dimensions	15.8 x 8.6 x 1.8 cm
Weight	60 g
ASIN	B07DFMN61C
UPC	799899599565

## 4. INSTALLATION & WIRING

The CERRXIAN IEC C14 Plug Adapter is designed for user assembly, allowing custom cable lengths. Follow these steps carefully for safe and correct wiring:

1. **Prepare the Cable:** Ensure the power cable is disconnected from any power source. Strip approximately 15-20mm of the outer insulation from the cable end. Carefully strip about 5-7mm of insulation from each of the three

internal conductors (Live, Neutral, Earth).

2. **Disassemble the Plug:** Unscrew the small screw on the side of the C14 plug housing to separate the two halves. Remove the cable strain relief boot.
3. **Connect the Wires:** Identify the terminals inside the plug. Typically, the central pin is Earth (Ground), and the two outer pins are Live and Neutral. Refer to the internal diagram below. Loosen the terminal screws. Insert each stripped conductor into its corresponding terminal hole and tighten the screws firmly to secure the wire. Ensure no stray wire strands are exposed.



Image 4.1: Internal components of the CERRXIAN C14 plug, showing terminals and screw for wiring.

4. **Secure the Cable:** Slide the cable strain relief boot onto the cable and position it correctly at the entry point of the plug housing. This prevents the cable from being pulled out or damaged.
5. **Reassemble the Plug:** Carefully align the two halves of the plug housing, ensuring no wires are pinched. Reinsert and tighten the small screw to secure the housing.



Image 4.2: Assembled CERRXIAN IEC C14 plug.

**Important:** If you are unsure about any wiring steps, consult a qualified electrician to avoid electrical hazards.

## 5. OPERATION

Once properly wired and assembled, the CERRXIAN IEC C14 Plug Adapter functions as a standard power connector. Simply connect the C14 plug end to a compatible C13 inlet on your device or power supply. Ensure a secure and snug fit to maintain proper electrical contact.

## 6. MAINTENANCE

- **Cleaning:** Disconnect the plug from all power sources before cleaning. Wipe the exterior with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically inspect the plug and cable for any signs of damage, such as cracks, fraying, or discoloration. If damage is found, discontinue use and replace the plug or cable.
- **Storage:** Store the plug in a dry, cool place away from direct sunlight and excessive moisture when not in use.

## 7. TROUBLESHOOTING

- **No Power:**

- Check if the plug is securely connected to both the power source and the device.
- Verify that the power outlet is functional.
- Inspect the internal wiring of the plug for loose connections.
- **Loose Connection:**
  - Ensure the plug is fully inserted into the device's inlet.
  - Check for any debris in the inlet that might prevent a secure connection.
- **Overheating:**
  - Ensure the connected device's power consumption does not exceed the plug's 10A / 2kW rating.
  - Verify that all internal wire connections are tight and secure. Loose connections can cause resistance and heat.

## 8. SAFETY INFORMATION

- Do not exceed the specified voltage (125V-250V) or current (10A) ratings.
- Ensure proper grounding. This plug is designed for grounded systems.
- Do not use the plug if it is damaged, cracked, or shows signs of overheating.
- Keep out of reach of children.
- Do not expose the plug to water or excessive moisture.
- Always disconnect from power before performing any maintenance or inspection.
- If you are not confident in wiring, seek professional assistance.

## 9. WARRANTY & SUPPORT

CERRXIAN products are manufactured to high quality standards. For any questions regarding this product, technical support, or warranty information, please refer to the contact details provided on the product packaging or visit the official CERRXIAN website. Please retain your proof of purchase for warranty claims.