Rocoren RCCC70-4UA

Rocoren 4-Port 55W PD3.0 QC3.0 USB-C Car Charger Instruction Manual

Model: RCCC70-4UA

1. Product Overview

The Rocoren 4-Port 55W Car Charger is a versatile and efficient charging solution for your vehicle. It features one USB-C port with Power Delivery 3.0 (PD3.0) and three USB-A ports with Quick Charge 3.0 (QC3.0), allowing for simultaneous fast charging of up to four devices. Its compact design and robust safety features ensure reliable performance on the go.

Figure 1: Rocoren 4-Port 55W Car Charger in use, demonstrating fast charging capabilities for a smartphone.

Key Features:

- **4 Charging Ports:** One USB-C (PD3.0) and three USB-A (QC3.0) ports.
- **High Power Output:** Total 55W output for rapid charging.
- **Fast Charging Protocols:** Supports PD3.0, QC3.0, PPS, FCP, AFC, DCP, BC1.2.
- **Intelligent Chip:** Automatically identifies connected devices and delivers optimal charging power.
- **Safety Certifications:** FCC, CE, and ROHS certified with multiple protection mechanisms.
- **Compact Design:** Small size with an ice blue LED ambient light for easy visibility.

2. Setup and Installation

Follow these steps to properly install and begin using your Rocoren Car Charger:

1. **Locate the Cigarette Lighter Socket:** Identify the 12V/24V cigarette lighter socket in your vehicle.

2. **Insert the Charger:** Firmly insert the Rocoren Car Charger into the cigarette lighter socket. Ensure it is securely seated to maintain a stable connection. The ice blue LED ambient light will illuminate, indicating the charger is powered on.
3. **Connect Your Devices:** Plug your USB-C or USB-A charging cables into the corresponding ports on the charger and connect them to your devices.

Figure 2: The compact design of the charger ensures a secure fit in the cigarette lighter socket, even on bumpy roads.

Your browser does not support the video tag.

Video 1: Official demonstration of the Rocoren 55W 4 Ports 1C3A USB C Car Charger, showing its features and how it fits into a car's power outlet.

3. Operating Instructions

The Rocoren Car Charger is designed for simple plug-and-play operation. Once installed, it automatically detects and optimizes power delivery to your connected devices.

Charging Multiple Devices:

- The USB-C port provides up to 35W Max output (PD3.0) for compatible devices like newer iPhones and iPads.
- Each of the three USB-A ports provides up to 15W Max output (QC3.0) when used individually.
- The charger intelligently manages power distribution when multiple devices are connected to ensure efficient charging for all.

Figure 3: The 4-port design allows for simultaneous charging of multiple devices, catering to the needs of all passengers.

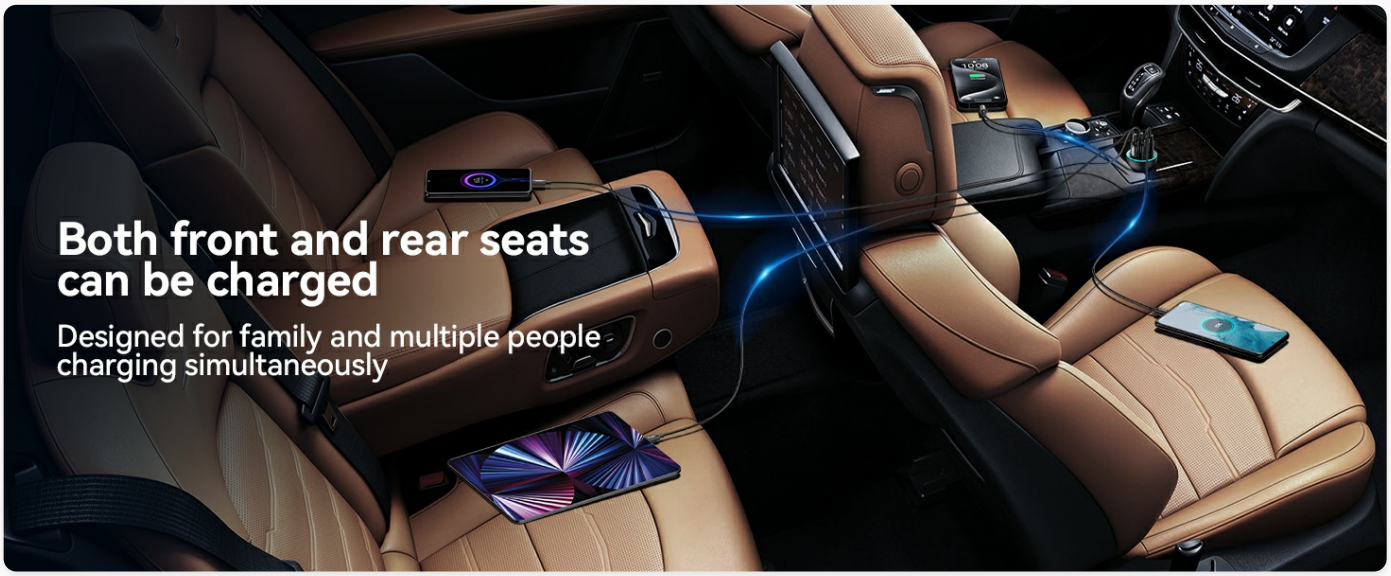

Figure 4: Designed to charge devices for both front and rear seat passengers, ideal for family travel.

4. Compatibility

The Rocoren 4-Port Car Charger offers wide compatibility with various devices and vehicle types:

Compatible Devices:

- **Smartphones:** iPhone 17/16/15/14/13/12/11 Series, Samsung S25/S24/S23/S22/S21, Google Pixel 9/8/7/6, LG, TCL, and other smartphones.
- **Tablets:** iPad Pro/Air/mini Series, Samsung Tab S9/S8.
- **Laptops:** MacBook Air M2/M1/2020/2019/2018 (for 24V models such as trucks only).
- **Other Devices:** Wireless car charger mounts, Nintendo Switch, AirPods, Smartwatches, driving recorders, GPS navigation, car vacuum cleaners, power banks, and more.

Compatible Vehicle Types:

- Supports 12V-24V input, making it suitable for most cars, SUVs, trucks, and taxis.

Figure 5: Comprehensive compatibility with a wide range of electronic devices and vehicle types.

5. Safety Information and Protections

The Rocoren Car Charger is built with advanced safety features and certified to meet international standards, ensuring a secure charging experience.

Certifications:

- FCC (Federal Communications Commission)
- CE (Conformité Européenne)
- ROHS (Restriction of Hazardous Substances)

Built-in Protections:

The intelligent integrated chip protects your devices from:

- Over-voltage
- Over-current
- Over-charging
- Over-heating
- Short circuit
- Low voltage
- Overload

Figure 6: The charger incorporates multiple safety features and holds various certifications for reliable and safe operation.

6. Specifications

Feature	Description
Brand	Rocoren
Model Number	RCCC70-4UA
Total USB Ports	4 (1x USB-C, 3x USB-A)
USB-C Output	35W Max (PD3.0)
USB-A Output	15W Max per port (QC3.0, when used individually)
Total Wattage	55W
Input Voltage	12V-24V

Feature	Description
Output Voltage	20 Volts
Output Current	1.75 Amps
Material	Polycarbonate (PC Anti-flame retardant)
Color	Black
Item Weight	30 Grams
Certifications	FCC, CE, ROHS

7. Troubleshooting

If you encounter any issues with your Rocoren Car Charger, please refer to the following common solutions:

- **Charger not powering on:**
  - Ensure the charger is firmly seated in the cigarette lighter socket.
  - Check if the vehicle's cigarette lighter socket is functional (test with another device if possible).
  - Verify your vehicle's power outlet is 12V or 24V.
- **Device not charging or charging slowly:**
  - Ensure your charging cable is not damaged and is securely connected to both the charger and your device.
  - Confirm your device supports the fast charging protocols (PD3.0/QC3.0) for optimal speed.
  - If multiple devices are connected, the total power is shared. Disconnect other devices to test individual port performance.
  - Some devices may require specific cables for fast charging.
- **Overheating:**
  - If the charger or your device feels excessively hot, disconnect it immediately.
  - Ensure adequate ventilation around the charger.
  - Avoid charging in direct sunlight or extreme temperatures.

8. Maintenance

To ensure the longevity and optimal performance of your Rocoren Car Charger, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the charger. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the charger or subjecting it to strong impacts.
- **Connection:** Periodically check the cigarette lighter socket for debris that might interfere with the connection.

9. Warranty and Support

Rocoren provides a multi-year warranty for this product. For any inquiries, technical support, or warranty claims, please contact Rocoren customer service. Refer to the included user manual for specific contact details or visit the official Rocoren website.

What You Get: 1 * 55W 4 ports car charger, 1 * User Manual.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question