UGREEN CD130

UGREEN USB C PD QC 3.0 Car Charger User Manual

Model: CD130

1. Product Overview

The UGREEN CD130 Car Charger is a compact and powerful device designed to provide fast charging for your mobile devices while on the go. Featuring both USB-C Power Delivery (PD) 3.0 and USB-A Quick Charge (QC) 3.0 ports, it ensures efficient and safe charging for a wide range of smartphones, tablets, and other USB-powered gadgets in your vehicle.



Image 1.1: The UGREEN CD130 Car Charger, showcasing its compact design and dual USB-C and USB-A ports.

2. Key Features

- **Dual Fast Charging Ports:** Equipped with one USB-C PD 3.0 port (up to 30W when used alone) and one USB-A QC 3.0 port (up to 30W when used alone). When both ports are used simultaneously, the total output is up to 24W.
- **Power Delivery (PD) 3.0 & PPS Support:** The USB-C port supports PD 3.0 and PPS (Programmable Power Supply), ideal for rapid charging of compatible iPhones, iPads, and Android devices. For example, an iPhone 13 can charge from 0% to 58% in approximately 30 minutes.
- **Quick Charge (QC) 3.0 & Huawei SuperCharge:** The USB-A port provides QC 3.0 fast charging, capable of charging compatible smartphones from 0% to 80% in about 30 minutes. It also supports Huawei SuperCharge protocol.
- **Wide Compatibility:** Compatible with 12V/24V vehicle power outlets, making it suitable for most cars, trucks, and SUVs. Supports a broad range of devices including Galaxy S22/S21/A53, iPhone 13/12/11, iPad Pro, Pixel 6, and more.
- **Advanced Safety Protection:** Built-in intelligent chip protects against over-heating, short-circuiting, over-voltage, and over-current, ensuring the safety of both the charger and your connected devices.
- **Compact and Durable Design:** Its ultra-compact size allows it to fit snugly in most cigarette lighter sockets without protruding excessively. The robust aluminum alloy casing enhances heat dissipation and provides scratch resistance.



Image 2.1: Illustration of the charger's high-speed charging capabilities for iPhone and Samsung devices.

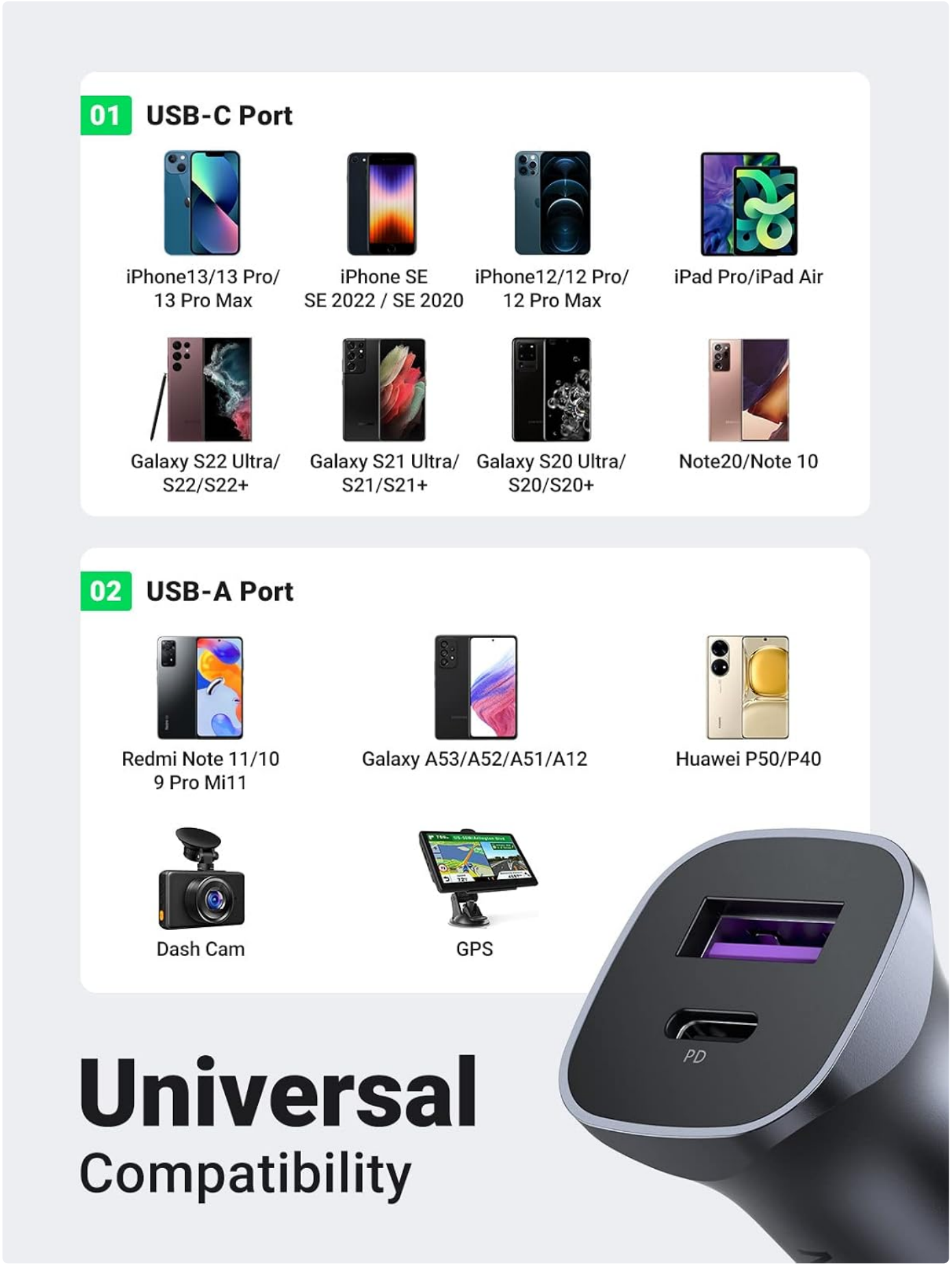


Image 2.2: Visual representation of the charger's broad compatibility with various mobile devices.

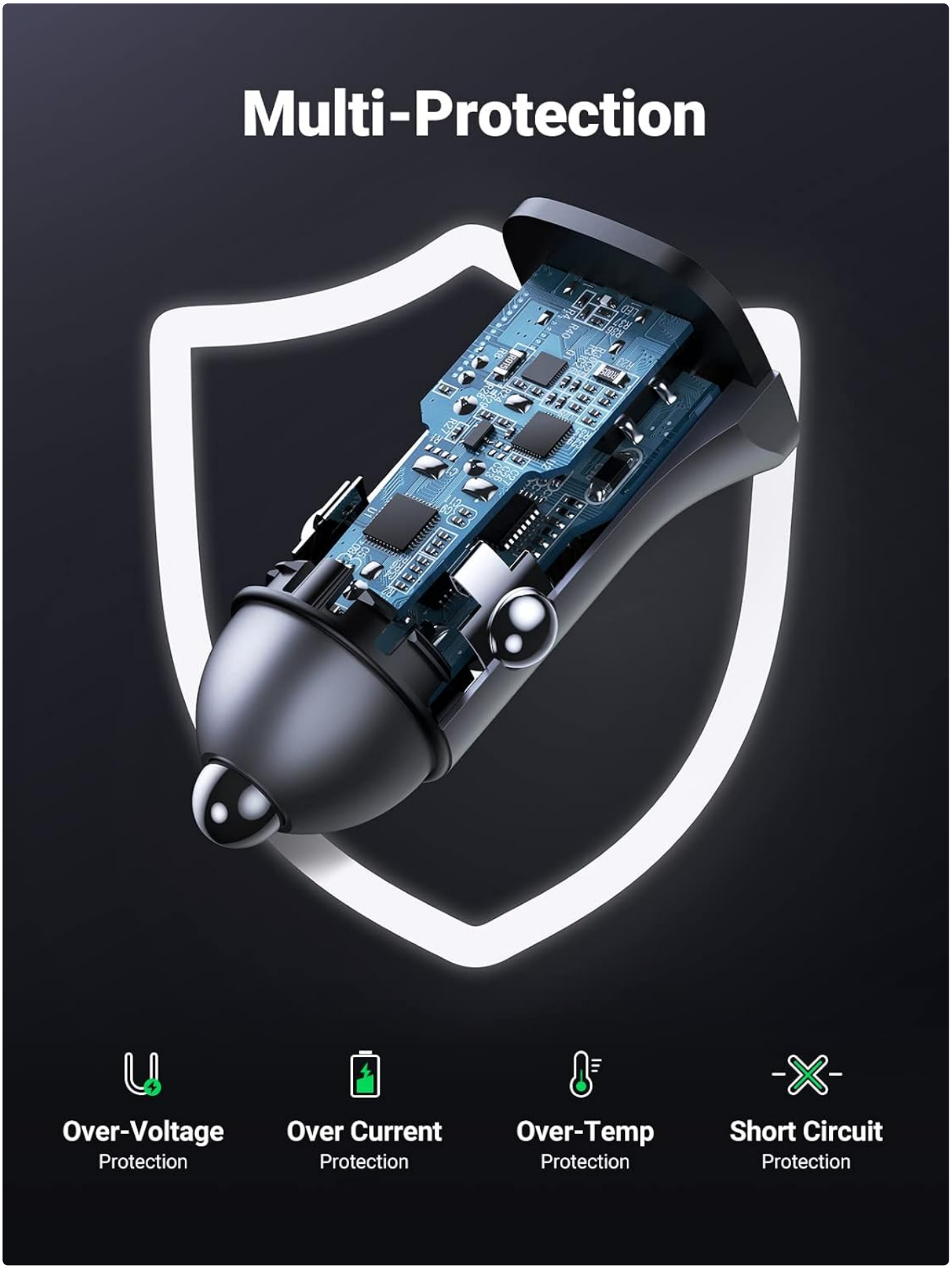


Image 2.3: Diagram illustrating the multi-protection features, including over-voltage, over-current, over-temp, and short-circuit protection.

3. Setup and Installation

1. **Locate Vehicle Power Outlet:** Identify the 12V or 24V cigarette lighter socket in your vehicle. This is typically located

in the dashboard, center console, or sometimes in the rear passenger area.

2. **Insert the Charger:** Firmly insert the UGREEN CD130 Car Charger into the vehicle's power outlet. Ensure it is fully seated for a stable connection.
3. **Verify Power:** Once inserted, a small LED indicator on the charger may illuminate, indicating that the charger is receiving power and is ready for use.



Image 3.1: The charger securely installed in a car's cigarette lighter socket, demonstrating a stable and firm fit.

4. Operating Instructions

1. **Connect Your Device:**
   - For USB-C devices: Use a USB-C to USB-C cable (not included) to connect your device to the USB-C port on the charger.
   - For USB-A devices: Use a USB-A to compatible cable (not included) to connect your device to the USB-A port on the charger.
   - **Note:** For iPhone charging, a USB-C to Lightning cable (not included) is required for the USB-C port.
2. **Initiate Charging:** Once connected, your device should automatically begin charging. The charger will intelligently detect your device's power requirements and deliver the optimal charging speed.
3. **Simultaneous Charging:** You can charge two devices simultaneously using both the USB-C and USB-A ports. Note that when both ports are in use, the total power output is shared, resulting in a maximum of 24W combined output, and individual port fast charging capabilities may be reduced to standard speed.

5. Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the surface of 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, as this may damage internal components.
- **Environmental Conditions:** Do not expose the charger to water, moisture, or corrosive environments.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Charger not powering on / No LED indicator.	Vehicle power outlet is not active. Charger not fully inserted. Vehicle fuse blown.	Ensure vehicle ignition is on (if required for power outlet). Push the charger firmly into the socket. Check your vehicle's fuse box and replace the fuse for the power outlet if necessary.
Device not charging or charging slowly.	Faulty charging cable. Device not compatible with fast charging. Both ports in use (reduced speed). Device's charging port is dirty or damaged.	Try a different, certified charging cable. Verify your device supports PD or QC fast charging. If fast charging is critical, charge one device at a time. Inspect and clean your device's charging port.
Charger feels warm during use.	Normal operation during high power output. Poor ventilation around the charger.	This is normal. The aluminum alloy design aids heat dissipation. Ensure the charger is not covered or obstructed. If it becomes excessively hot, disconnect it immediately.

7. Specifications

Feature	Detail
Brand	UGREEN
Model Number	CD130
Input Voltage	DC 12V-24V
USB-C Output (PD 3.0 / PPS)	Up to 30W (when used alone)
USB-A Output (QC 3.0 / Huawei SuperCharge)	Up to 30W (when used alone)
Total Output (USB-C + USB-A)	Max 24W (shared)
Number of USB Ports	2 (1x USB-C, 1x USB-A)
Compatible Devices	Smartphones, Tablets, GPS devices, Dash Cams, etc.
Material	Aluminum Alloy
Safety Features	Over-voltage, Over-current, Over-temperature, Short-circuit protection

8. Warranty and Support

UGREEN products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or customer service, please refer to the official UGREEN website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.
For further assistance, visit: www.ugreen.com

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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.

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