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UGREEN EC604

UGREEN 145W 4-Port Retractable Car Charger Instruction Manual

Model: EC604

1. Introduction

This manual provides essential information for the safe and efficient operation of your UGREEN 145W 4-Port Retractable Car Charger. Please read these instructions thoroughly before using the product and retain them for future reference.



Figure 1: UGREEN 145W 4-Port Retractable Car Charger (Model EC604).

2. Product Features

- **Powerful 145W Output:** Delivers a total of 145W across 4 ports: 100W from USB-C2, 60W from the retractable USB-C cable, and 30W each from USB-C1 and USB-A. This allows for simultaneous charging of multiple devices including laptops, tablets, and smartphones.
- **60W Retractable Cable:** Features a built-in 60W retractable USB-C cable that extends up to 70cm, designed for convenience and to minimize cable clutter. The cable is tested for over 25,000 retractions and 10,000 cycles for durability.
- **Full-Speed Laptop Charging:** The dedicated 100W USB-C2 port can charge a 16-inch MacBook Pro from 0% to 100% in approximately 1.5 hours.
- **PD3.0/QC3.0 Fast-Charging Protocols:** Supports advanced Power Delivery 3.0 and Quick Charge 3.0 protocols for efficient and intelligent power delivery to compatible devices.
- **Universal Safety & Compatibility:** Incorporates multi-protection features against overcurrent, overvoltage, overheating, and short circuits. Compatible with both 12V and 24V car systems, suitable for various vehicle types.



Figure 2: Total 145W output distribution across 4 ports.

3. Package Contents

The UGREEN 145W 4-Port Retractable Car Charger package includes:

- 1 x UGREEN 145W 4-Port Retractable Car Charger (Model: EC604)

- 1 x User Manual

4. Setup and Installation

1. **Insert into Vehicle's Cigarette Lighter Socket:** Firmly insert the UGREEN car charger into your vehicle's 12V or 24V cigarette lighter socket. Ensure it is securely seated.
2. **Power Indicator:** A blue LED indicator light will illuminate when the charger is properly connected and receiving power. If the light does not turn on, check your vehicle's ignition status or the fuse for the cigarette lighter socket.
3. **Connect Devices:**
    - For devices compatible with USB-C, pull the retractable USB-C cable to the desired length (up to 70cm) and connect it to your device.
    - For other devices, use your own compatible USB-C or USB-A cable and plug it into the corresponding port on the charger.

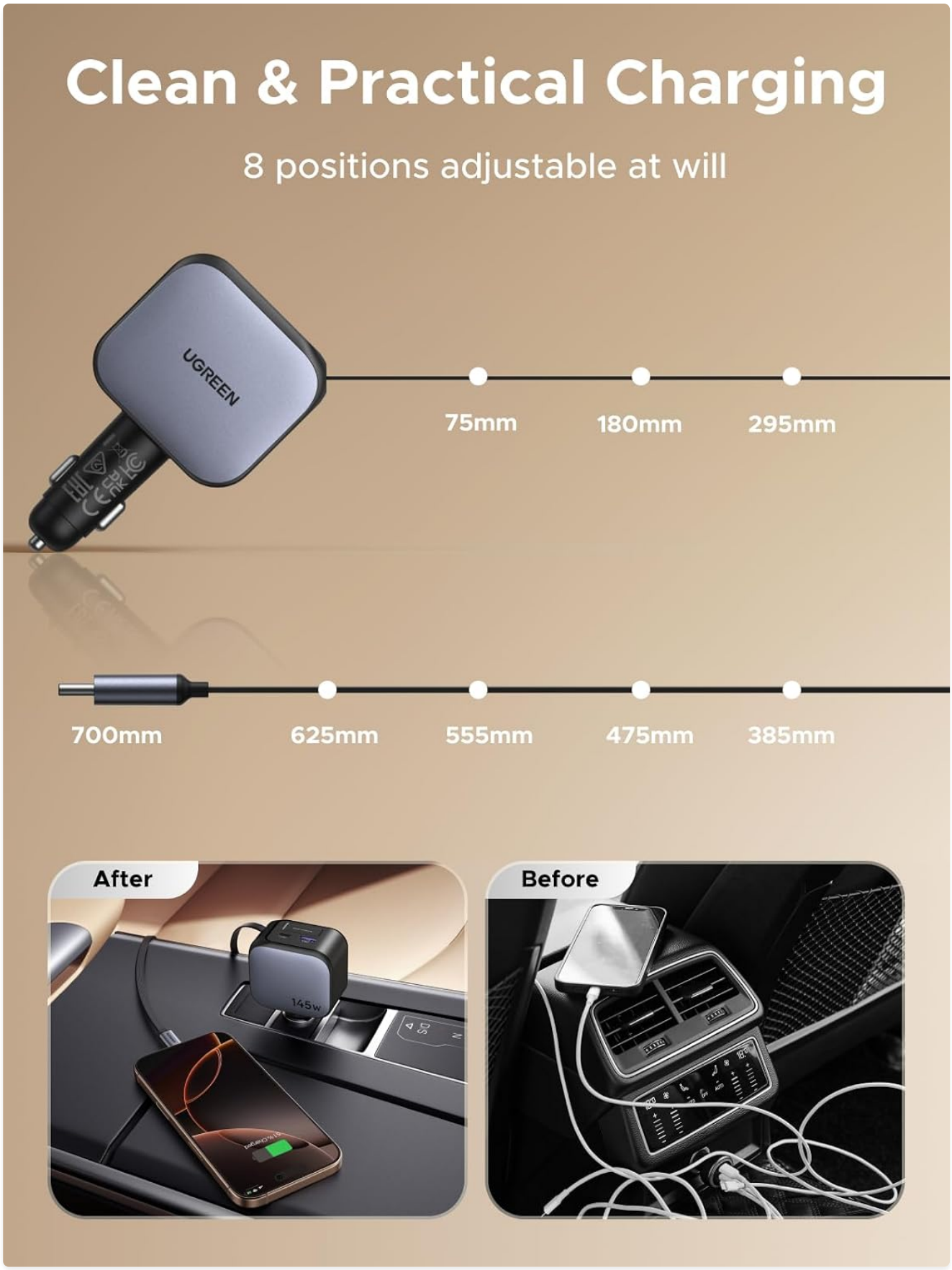


Figure 3: Retractable cable for clean and practical charging.

5. Operating Instructions

- **Automatic Device Detection:** The charger automatically detects the connected device and delivers the optimal charging current based on PD3.0/QC3.0 protocols.
- **Simultaneous Charging:** You can charge up to four devices concurrently. The charger intelligently distributes

power across the active ports.

- **Retracting the Cable:** To retract the built-in USB-C cable, gently pull it slightly further, then release it. The cable will automatically retract into the charger housing.



Figure 4: Charging multiple devices in a vehicle.

6. Safety Information

- Do not disassemble or modify the product.
- Keep the charger away from water, fire, and extreme temperatures.
- Avoid dropping or subjecting the charger to strong impacts.
- Ensure proper ventilation around the charger during use.
- If the charger exhibits unusual behavior, discontinue use immediately.
- The charger is equipped with multiple protection features including overcurrent, overvoltage, overtemperature, overpower, and short circuit protection.



Figure 5: Overview of the charger's multiple protection features.

7. Specifications

Feature	Detail
Brand	UGREEN

Model Number	EC604
Total Output	145W Max
USB-C2 Output	100W Max
Retractable USB-C Cable Output	60W Max
USB-C1 Output	30W Max
USB-A Output	30W Max
Retractable Cable Length	Up to 70cm
Input Voltage	12V-24V DC
Connector Type	USB Type C, USB Type A
Compatible Devices	Smartphones, Laptops, Tablets (e.g., MacBook, Surface, iPad, Galaxy, iPhone, Steam Deck, Switch)
Safety Features	Overcurrent, Overvoltage, Overheating, Short Circuit Protection
Dimensions	5.91 x 3.98 x 1.65 inches
Item Weight	4.1 ounces

8. Troubleshooting

- **Charger not powering on:**
  - Ensure the charger is fully inserted into the cigarette lighter socket.
  - Check if your vehicle's ignition is on, as some sockets only receive power when the engine is running.
  - Inspect the vehicle's fuse for the cigarette lighter socket and replace if blown.
- **Device not charging or charging slowly:**
  - Verify that the charging cable is securely connected to both the charger and your device.
  - Ensure your device supports fast charging protocols (PD3.0/QC3.0) for optimal speed.
  - Try using a different charging cable to rule out cable issues.
  - If multiple devices are connected, the total power output is shared, which may reduce individual charging speeds.
- **Charger feels warm during use:**

  It is normal for the charger to become warm during operation, especially when charging multiple devices or high-power devices. The built-in safety features prevent overheating beyond safe limits. If it becomes excessively hot or emits smoke, disconnect immediately.

9. Warranty and Support

For warranty information or technical support, please refer to the official UGREEN website or contact their customer service directly. Keep your purchase receipt for warranty claims.
You may also consider purchasing extended protection plans:

- 2-Year Protection Plan: $4.99
- 3-Year Protection Plan: $6.99
- Complete Protect: One plan covers all eligible past and future purchases for $16.99/month

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