**UGREEN X604**

# UGREEN 45W Retractable Fast Charger (Model X604) User Manual

Model: X604

## 1. Introduction

Thank you for choosing the UGREEN 45W Retractable Fast Charger. This compact and versatile charger is designed to provide efficient and safe power delivery for a wide range of devices. Its innovative retractable cable design eliminates tangles and simplifies storage, making it an ideal companion for both daily use and travel.
Key features include:

- **Retractable USB-C Cable:** Integrated 69cm cable with 8-stage adjustment for tangle-free convenience.
- **45W Fast Charging:** Supports Power Delivery 3.0 for rapid charging of compatible devices.
- **3-Port Design:** Charge multiple devices simultaneously with 2 USB-C ports and 1 USB-A port.
- **GaN III Technology:** Ensures high efficiency, compact size, and improved temperature control.
- **Comprehensive Safety:** PSE certified with multiple protection mechanisms for safe charging.
- **Wide Compatibility:** Supports various fast charging protocols including PD3.0/2.0, QC3.0/2.0, PPS, Huawei SCP/FCP, and BC1.2.




Image 1.1: UGREEN 45W Retractable Fast Charger with its integrated USB-C cable.

## 2. Setup

1. **Plug into Power Outlet:** Insert the charger's foldable plug into a standard AC wall outlet.
2. **Extend the Cable:** Gently pull the integrated USB-C cable from the charger body to the desired length. The cable features an 8-stage adjustment mechanism. To retract, pull slightly further, then release to allow it to

smoothly coil back into the unit.

3. **Connect Your Device:** Connect the USB-C end of the retractable cable to your compatible device. For additional devices, use your own USB-C to USB-C or USB-A to USB-C/Lightning cables with the available ports on the charger.




Image 2.1: Extending the retractable cable for use.

# 3. Operating Instructions

## 3.1. Cable Management

The integrated USB-C cable can be extended up to 69cm. To extend, pull both ends of the cable simultaneously. To retract, pull both ends slightly further until you hear a click, then release slowly to allow the cable to coil back into the charger. Avoid pulling only one side or forcing the retraction to prevent damage.

## 3.2. Charging Devices

This charger features one integrated USB-C cable, one additional USB-C port, and one USB-A port, allowing you to charge up to three devices simultaneously.

- **Single Port Charging:** When using only one port (either the integrated cable, the additional USB-C port, or the USB-A port), the charger can deliver up to 45W for compatible devices.
- **Two Port Charging:** When two ports are in use, the power output will be distributed. For example, using both USB-C ports might provide 30W + 15W, or 15W + 15W depending on the devices connected.
- **Three Port Charging:** When all three ports are in use, the power output will be distributed, typically providing 30W + 7.5W + 7.5W.

The charger automatically detects the connected device and delivers the optimal charging current. For fast charging, ensure your device and cable support the Power Delivery (PD) or Quick Charge (QC) protocols.




Image 3.1: Charging multiple devices simultaneously.

### 3.3. Power Distribution Diagrams




Image 3.2: Single Port Charging Power Distribution.

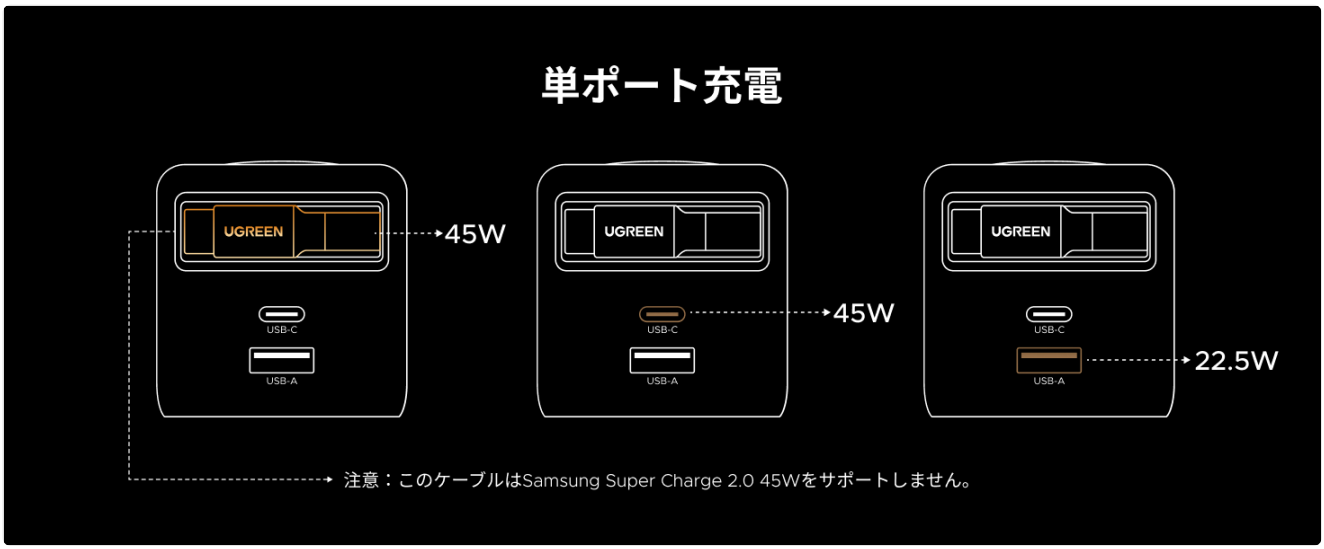



Image 3.3: Two Port Charging Power Distribution.

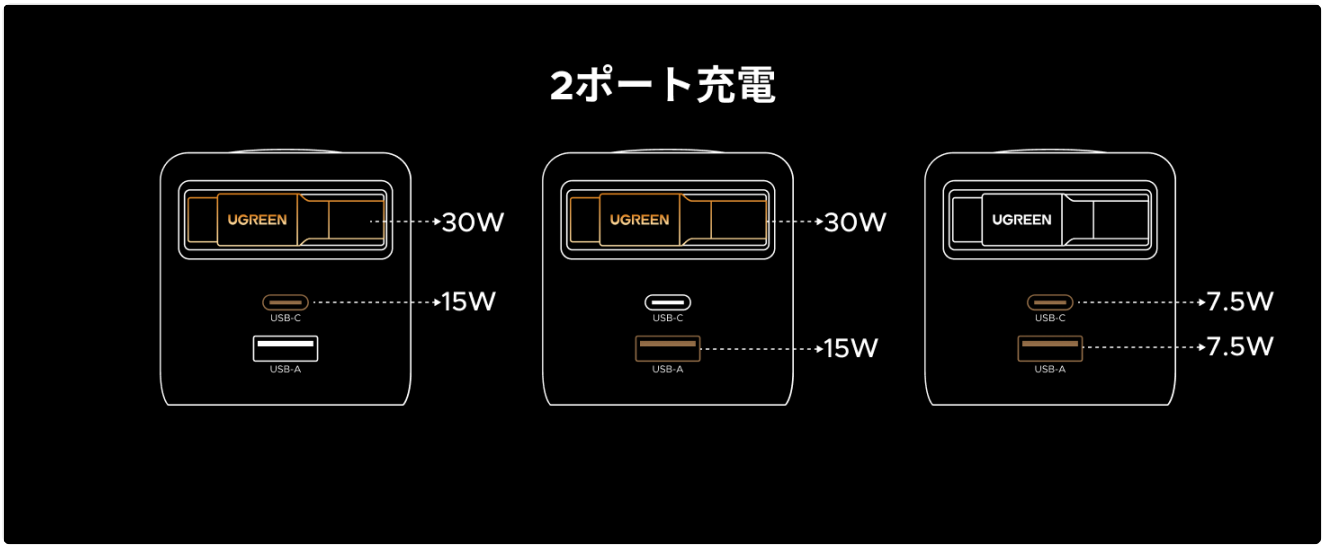



Image 3.4: Three Port Charging Power Distribution.

## 4. Maintenance

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or aerosols.

- **Storage:** When not in use, ensure the retractable cable is fully retracted into the charger body. Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid excessive pulling or bending of the retractable cable. The cable is designed for durability, having passed over 20,000 retraction tests and 10,000 bend tests, but proper handling will extend its lifespan.

## 5. Troubleshooting

- **Device Not Charging:**
  - Ensure the charger is securely plugged into a working wall outlet.
  - Verify that the charging cable (integrated or external) is properly connected to both the charger and your device.
  - Try using a different port or cable to rule out a faulty connection.
- **Slow Charging:**
  - Confirm that your device supports fast charging protocols (e.g., PD, QC).
  - If multiple devices are connected, the power output is distributed. Disconnect other devices to allow maximum power to a single device.
  - Ensure the cable you are using (if external) is rated for fast charging.
- **Charger Overheating:**
  - It is normal for GaN chargers to become warm during operation, especially during high-power charging.
  - If the charger becomes excessively hot to touch, disconnect it immediately and allow it to cool down. Ensure adequate ventilation around the charger.
  - The charger includes Thermal Guard technology for real-time temperature detection and high-speed heat dissipation.

## 6. Specifications

| | |
|---|---|
| **Brand** | UGREEN |
| **Model Number** | X604 |
| **Total USB Ports** | 2 (1 integrated USB-C, 1 additional USB-C, 1 USB-A) |
| **Max Wattage** | 45 W |
| **Input Voltage** | 100 Volts (AC) |
| **Output Current** | 3 Amperes |
| **Connector Type** | USB Type C |
| **Compatible Devices** | Tablets, Laptops, Mobile Phones (e.g., iPhone 16/15/14/13/12, Galaxy S25-S10, Google Pixel, Nintendo Switch) |
| **Dimensions** | 53 x 53 x 50.4 mm (Product Size); 10.2 x 10.1 x 5.4 cm (Package Size) |
| **Weight** | Approx. 190 g (Product Weight); 240 g (Package Weight) |
| **Safety Certifications** | PSE Technical Standard Compliant |

### 6.1. Advanced Safety Features

The UGREEN 45W Retractable Fast Charger incorporates multiple safety protections to ensure the safety of both the charger and your connected devices:




Image 6.1: 8-Layer Protection System.

- Over-voltage Protection

- Over-current Protection
- Low-voltage Protection
- Short-circuit Protection
- Over-temperature Protection (Thermal Guard)
- Shell Fire Protection
- Interference Protection
- Manual Reset Protection




Image 6.2: Thermal Guard Technology for temperature control.

## 7. Warranty and Support

This UGREEN product comes with a**24-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards.
**Please Note:** The warranty does not cover damage caused by intentional misuse or third-party modifications.

For warranty claims, technical support, or any inquiries regarding your UGREEN 45W Retractable Fast Charger, please contact UGREEN customer service through the retailer where you purchased the product or visit the official UGREEN website for support contact information.

## Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

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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