

Ulefone Ulefone Armor 27 Pro

Ulefone Armor 27 Pro 5G Rugged Phone User Manual

Model: Ulefone Armor 27 Pro

INTRODUCTION

This manual provides comprehensive instructions for the Ulefone Armor 27 Pro 5G Rugged Phone. Designed for durability and high performance, this device features advanced camera systems, a powerful processor, and robust protection against environmental elements.



Figure 1: Ulefone Armor 27 Pro 5G Rugged Phone. This image displays the front and back of the Ulefone Armor 27 Pro, highlighting its robust design and camera module.

WHAT'S IN THE BOX

The Ulefone Armor 27 Pro package includes the following items:

- Ulefone Armor 27 Pro 5G Rugged Phone
- AC power charger (33W)
- USB-C Data cable (100cm)
- Screen Protector
- SIM Tray Ejector
- Lanyard

SETUP

1. SIM Card Installation

1. Locate the SIM card tray on the side of the device.
2. Insert the SIM tray ejector tool into the small hole next to the tray and press firmly until the tray pops out.
3. Place your Nano-SIM cards and/or microSD card into the designated slots on the tray. Ensure correct orientation as indicated on the tray.
4. Carefully reinsert the tray into the phone until it clicks into place.

2. Initial Power On and Setup

Press and hold the Power button until the Ulefone logo appears. Follow the on-screen prompts to complete the initial setup, including language selection, Wi-Fi connection, and Google account sign-in.

3. Charging the Device

The Ulefone Armor 27 Pro supports both wired and wireless charging.

- **Wired Charging:** Connect the provided USB-C cable to the phone's charging port and the other end to the 33W AC power charger. Plug the charger into a power outlet.
- **Wireless Charging:** Place the phone on a compatible 30W Qi wireless charging pad (sold separately). Ensure the phone is centered on the pad for optimal charging.
- **Wireless Reverse Charging:** This feature allows the Armor 27 Pro to charge other Qi-compatible devices. Activate this function in the phone's settings and place the device to be charged on the back of the Armor 27 Pro.

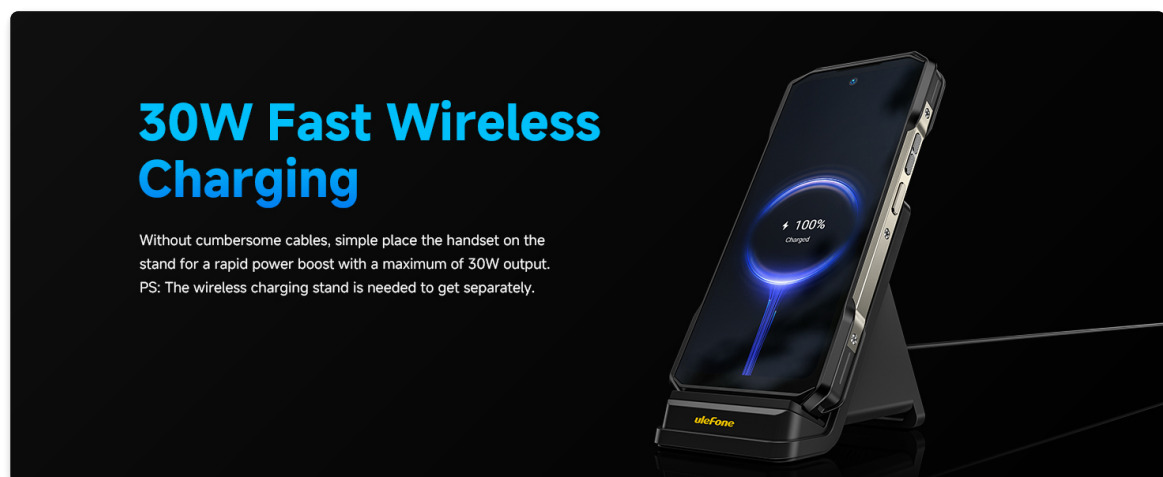


Figure 2: 33W Fast Charging. This image illustrates the phone being fast-charged via its USB-C port.



Figure 3: 30W Fast Wireless Charging. The phone is shown charging wirelessly on a stand.

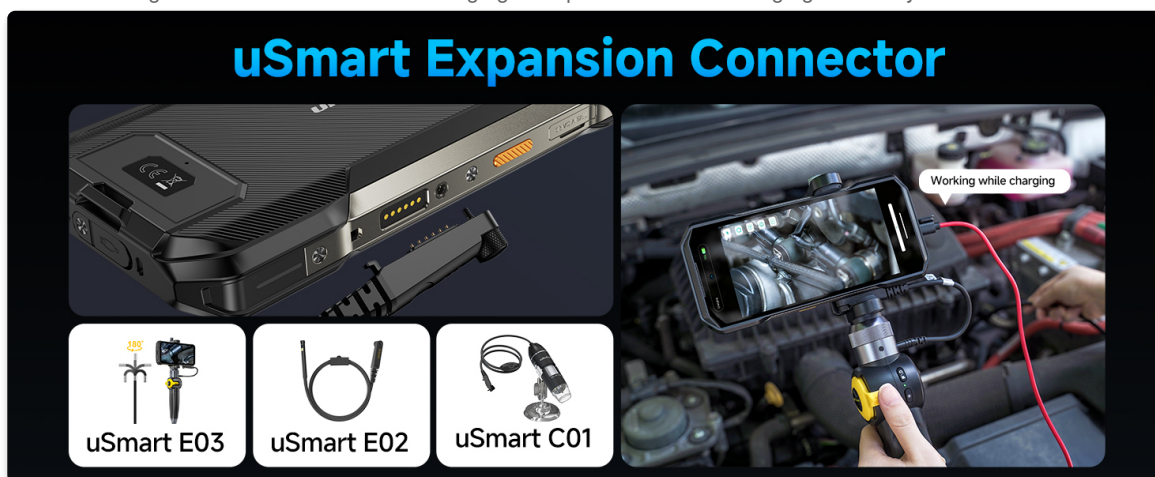


Figure 4: Wireless Reverse Charging. This image demonstrates the phone's capability to wirelessly charge other devices.

OPERATING THE DEVICE

Display Features

The Armor 27 Pro features a 6.78-inch FHD+ display with a 2460x1080 resolution, 20:9 aspect ratio, and 396 PPI. It supports a 120Hz refresh rate for smooth visuals and is protected by Corning Gorilla Glass Victus, offering enhanced scratch and drop resistance.



Figure 5: Display Specifications. This image highlights the key features of the phone's display, including size, resolution, and refresh rate.

Performance

Powered by the MediaTek Dimensity 6300 5G processor (2.4GHz 8-core CPU and Arm Mali-G57 MC2 GPU), the phone offers robust performance. It comes with 12GB of RAM (expandable up to 12GB virtual RAM) and 256GB of internal storage, expandable up to 2TB via TF card.

MediaTek Dimensity 6300 5G

8-Core CPU, 6nm Sco, up to 2.4GHz



Figure 6: MediaTek Dimensity 6300 5G. This image showcases the phone's powerful processor and memory configuration.

Camera Features

The Armor 27 Pro is equipped with a versatile camera system:

- **Main Camera:** 50MP primary camera (Samsung ISOCELL GN1 sensor, $f/1.65$ aperture).
- **Ultra-wide Lens:** 50MP with a 117.3° field of view.
- **Night Vision Camera:** 64MP (OMNIVISION OV64B sensor) with NightElf Ultra 3.0 Algorithm for clear images in low light.
- **Front Camera:** 32MP (Samsung GD1 Sensor, 5P lens, 80.4° field of view) for high-quality selfies and video calls.

50MP Rear Camera & 64MP Night Vision



Figure 7: Camera System Overview. This image details the specifications of each camera lens on the device.

64MP Night Vision Camera

NightElf Ultra 3.0 Algorithm



Figure 8: Night Vision Capability. This image demonstrates the effectiveness of the 64MP Night Vision Camera in dark environments.

Connectivity

The device supports Global 5G Network, dual SIM dual standby, Wi-Fi 6, Bluetooth, NFC, and GPS (GPS + GLONASS + Beidou + Galileo).

Special Features

- **IR Blaster:** Control compatible infrared devices.
- **Fingerprint Unlock & Face Unlock:** Secure and convenient biometric authentication.
- **Custom Key:** Programmable side button for quick access to functions or apps.
- **Outdoor Toolbox:** A suite of utility apps for outdoor activities.
- **uSmart 2.0 Expansion Connector:** Allows connection to professional accessories like endoscopes, microscopes, or night vision cameras (accessories sold separately).

- **Headset-Free FM Radio:** Listen to FM radio without needing headphones as an antenna.

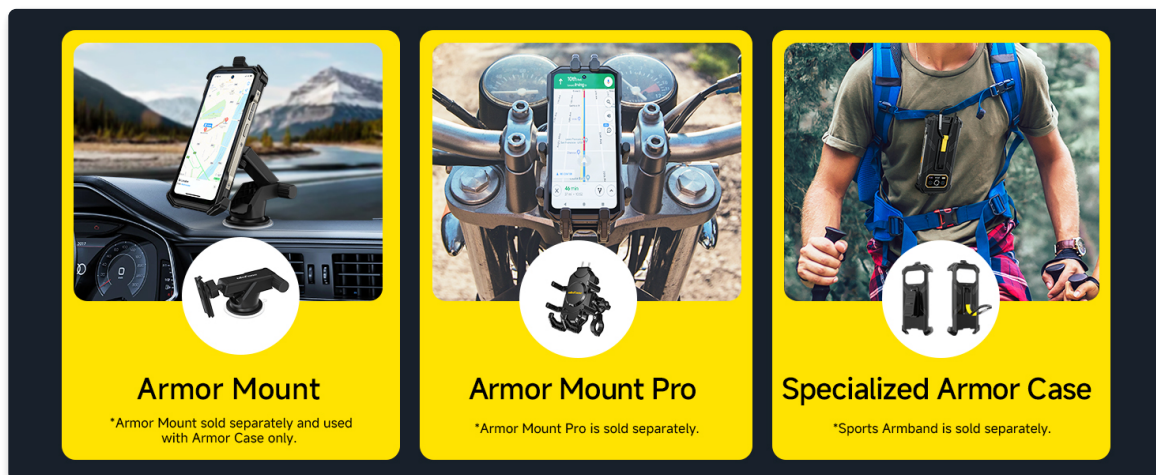


Figure 9: uSmart Expansion Connector. This image shows the expansion port and examples of compatible accessories.

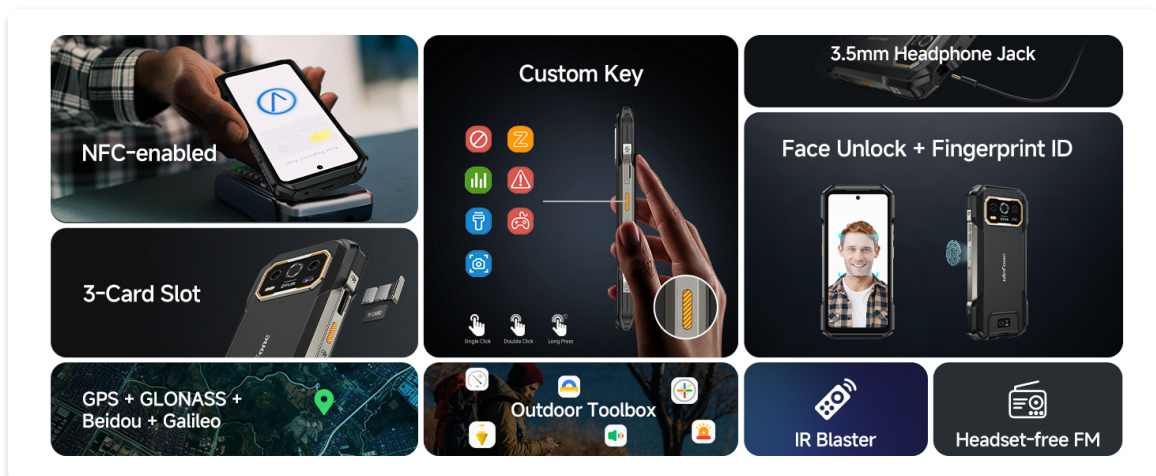


Figure 10: Additional Features. This image highlights various features such as NFC, custom key, biometric unlock, and GPS.

Operating System

The Ulefone Armor 27 Pro runs on Android 14, offering a personalized, protected, and accessible user experience.

The Latest Android 14 OS

More Personalized, Protected and Accessible

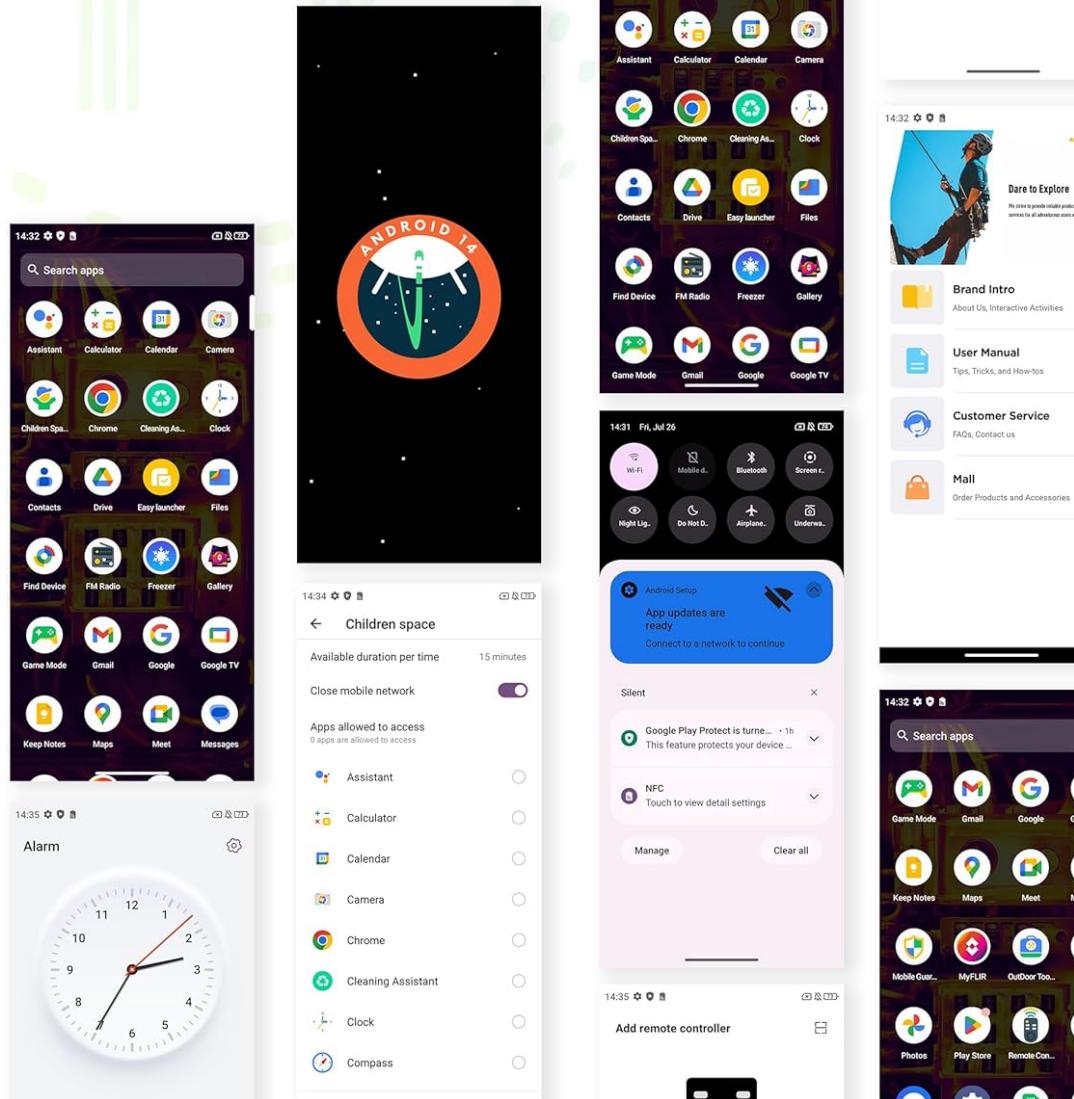


Figure 11: Android 14 Interface. This image displays the Android 14 operating system running on the phone.

MAINTENANCE

Ruggedness and Waterproofing

The Armor 27 Pro is certified with IP68/IP69K and MIL-STD-810H standards, making it resistant to water, dust, and accidental drops. It can withstand immersion in water up to 1.5 meters for 30 minutes and is operational in temperatures ranging from -30°C to 55°C.

IP68/IP69K, MIL-STD-810H

Waterproof, Drop-proof, Dust-proof

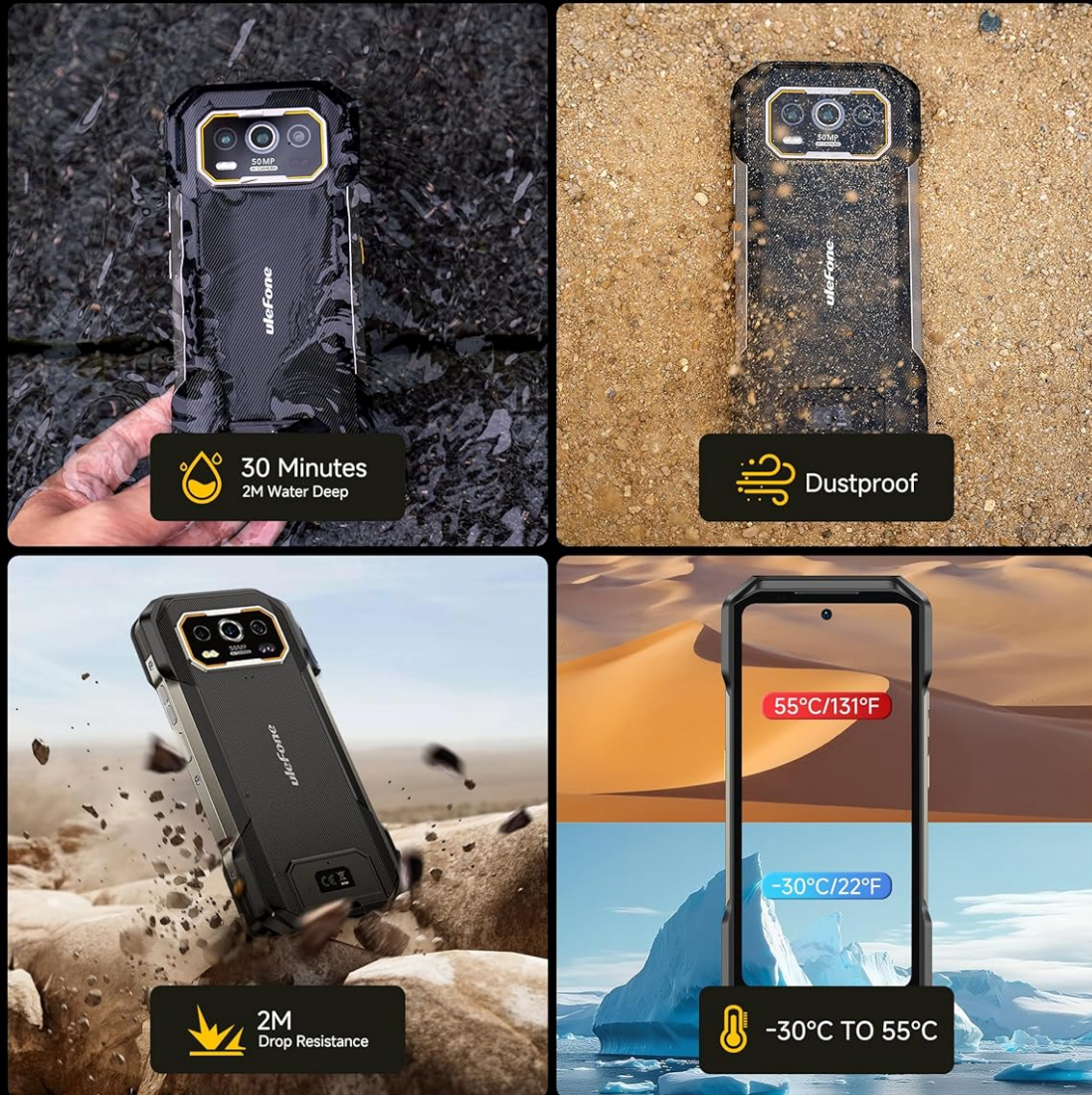


Figure 12: Durability Features. This image illustrates the phone's resistance to water, dust, drops, and extreme temperatures.

Battery Care

The 10600mAh battery provides extended usage. To maximize battery lifespan, avoid extreme temperatures, use the provided charger, and avoid fully discharging the battery frequently.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Ulefone Armor 27 Pro.

Issue	Possible Cause / Solution
Phone not ringing / Music playing during calls	Check notification settings for calls. Ensure no third-party apps are interfering with call audio. Restart the phone.
Screen unresponsive	Restart the phone by holding the power button. If persistent, ensure the screen is clean and dry.
No mobile data connection	Verify SIM card installation. Check APN settings with your service provider. Ensure your carrier is compatible with the phone's network bands (Note: Not compatible with AT&T or Cricket).
IR Blaster not working	Ensure the IR Blaster app is correctly configured and the phone is pointed directly at the device you wish to control.
Battery draining quickly	Check background app usage in settings. Reduce screen brightness. Disable unnecessary features like GPS or Wi-Fi when not in use.

SPECIFICATIONS

Feature	Detail
Model	Ulefone Armor 27 Pro
Dimensions	7.19 x 3.4 x 0.73 inches
Weight	15.6 ounces (441 Grams)
Operating System	Android 14
Processor	MediaTek Dimensity 6300 5G (2.4 GHz CPU Speed)
RAM	24 GB (12GB physical + up to 12GB virtual)
Internal Storage	256 GB (expandable up to 2TB via TF card)
Display Size	6.78 Inches
Display Resolution	2460x1080 (FHD+)
Refresh Rate	120 Hz

Feature	Detail
Display Protection	Corning Gorilla Glass Victus
Main Camera	50MP
Ultra-wide Camera	50MP
Night Vision Camera	64MP
Front Camera	32MP
Battery Capacity	10600 mAh
Wired Charging	33W Flash Charge
Wireless Charging	30W Qi Wireless Charging
Durability Ratings	IP68/IP69K, MIL-STD-810H
Connectivity	5G, Wi-Fi 6, Bluetooth, NFC, GPS
Audio Jack	3.5 mm
Special Features	Rugged Body, Reverse Wireless Charging, Water Resistant, IR Blaster, Fingerprint Unlock, Custom Key, Outdoor Toolbox, uSmart 2.0 Expansion Connector, Headset-Free FM Radio

OFFICIAL PRODUCT VIDEO

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Video 1: Ulefone Armor 27 Pro 5G Rugged Phone Overview. This video provides a visual demonstration of the phone's key features, including its ruggedness, camera capabilities, and expansion options.

WARRANTY AND SUPPORT

