

Ulefone Ulefone Armor 23 Ultra

Ulefone Armor 23 Ultra 5G Rugged Smartphone Instruction Manual

Model: Ulefone Armor 23 Ultra | Brand: Ulefone

INTRODUCTION

The Ulefone Armor 23 Ultra is a state-of-the-art 5G rugged smartphone designed for durability and high performance. It features advanced communication capabilities, including two-way satellite messaging, powerful processing, and a versatile camera system. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and longevity.



Figure 1: Ulefone Armor 23 Ultra 5G Rugged Smartphone, showcasing its robust design and key features like 5G connectivity, 24GB RAM, 512GB storage, and 120W fast charging.

WHAT'S IN THE BOX

Upon unboxing your Ulefone Armor 23 Ultra, please verify that all the following items are included:

- Ulefone Armor 23 Ultra Smartphone
- 120W Power Adapter
- USB Type-C to Type-C Cable
- SIM Ejector Tool
- User Manual

- Warranty Card
- Tempered Glass Screen Protector (pre-applied or included separately)



Figure 2: The Ulefone Armor 23 Ultra packaging and its included accessories, such as the 120W charger and USB-C cable.

PHYSICAL OVERVIEW

Familiarize yourself with the physical components of your Ulefone Armor 23 Ultra:

- **Front:** 6.78-inch FHD+ 120Hz display, 50MP front camera, earpiece, sensors.
- **Rear:** 50MP main camera, 64MP night vision camera, 50MP ultra-wide camera, 3.2X telephoto lens, LED flash, NFC area, wireless charging coil.
- **Right Side:** Power button (with integrated fingerprint sensor), volume up/down buttons.
- **Left Side:** Customizable shortcut key, TF/SIM card slot.
- **Top:** IR Blaster.
- **Bottom:** USB Type-C port, microphone, speaker.

IP68/IP69K, MIL-STD-810H Certified

Not Bulky, yet Tougher



Figure 3: The rear view of the Ulefone Armor 23 Ultra, highlighting its IP68/IP69K and MIL-STD-810H certifications for water, shock, and dust resistance.

SETUP

1. SIM/TF Card Installation

1. Locate the SIM/TF card slot on the left side of the device.
2. Insert the SIM ejector tool into the small hole next to the tray and push gently until the tray pops out.
3. Place your Nano-SIM cards (up to two) and/or a TF card (for storage expansion) into the designated slots on the tray. Ensure they are correctly oriented.
4. Carefully push the tray back into the slot until it is flush with the phone's body.

2. Initial Power On & Language Selection

1. Press and hold the power button on the right side until the Ulefone logo appears.
2. Follow the on-screen prompts to select your preferred language and region.

3. Wi-Fi Connection

1. During the initial setup, you will be prompted to connect to a Wi-Fi network. Select your network from the list.
2. Enter the Wi-Fi password if required and tap 'Connect'.

4. Google Account Setup

1. Sign in with your existing Google account or create a new one. This is essential for accessing the Google Play Store, Gmail, and other Google services.

OPERATING YOUR DEVICE

Display Features

The Armor 23 Ultra boasts a 6.78-inch FHD+ display with a 120Hz refresh rate, providing a smooth and immersive visual experience for all content.



Figure 4: The vibrant 6.78-inch FHD+ display of the Ulefone Armor 23 Ultra, emphasizing its 120Hz ultra-high refresh rate for smooth visuals.

Performance

Powered by the Octa-Core MediaTek Dimensity 8020 5G chipset and accompanied by the Arm Mali-G77 GPU, the device offers robust performance. With 12GB physical RAM and an additional 12GB virtual memory (totaling 24GB), multitasking and demanding applications run smoothly. The 512GB internal storage, expandable up to 2TB, provides ample space for all your files.



Figure 5: Visual representation of the Ulefone Armor 23 Ultra's memory configuration, showing 12GB RAM + 12GB Virtual RAM and 512GB ROM with 2TB expansion capability.

Pioneer in Performance

MediaTek Dimensity 8020 5G



Figure 6: A close-up of the MediaTek Dimensity 8020 5G chipset, highlighting its role as a performance pioneer in the Ulefone Armor 23 Ultra.

Battery & Charging

The 5280mAh battery provides extended usage times. With 120W fast charging, the device can reach 60% battery in just 10 minutes. It also supports 50W wireless charging and OTG reverse charging for other devices.

120W Flash Charging

Just 5 minutes of charging provides an amazing 30% battery boost. Watching the device power up at a lightning-fast speed, in only 10 minutes, achieving a 60% battery level. Stay powered up and connected wherever you go. The charger supports PD (PPS) protocol, features Type C-C cable, and can fast charge the iPhone.

 10 Minutes  23 Minutes

120W

98.1 %

Figure 7: Illustration of the Ulefone Armor 23 Ultra's 120W Flash Charging capability, showing rapid charging times to 60% in 10 minutes and 100% in 23 minutes.

5280mAh Long Life Battery

New Gen Stacking Technology

Armor 23 Ultra features a new battery craftsmanship that boasts a large capacity of 5280mAh. Enduring up to 800 life cycles, the battery has a longer lifespan, safer and more efficient. An advanced power management algorithm is incorporated for intelligent charging, precise power distribution, and power display, optimizing performance and controlling everything.



7.74V
High Voltage



800
Life Cycles

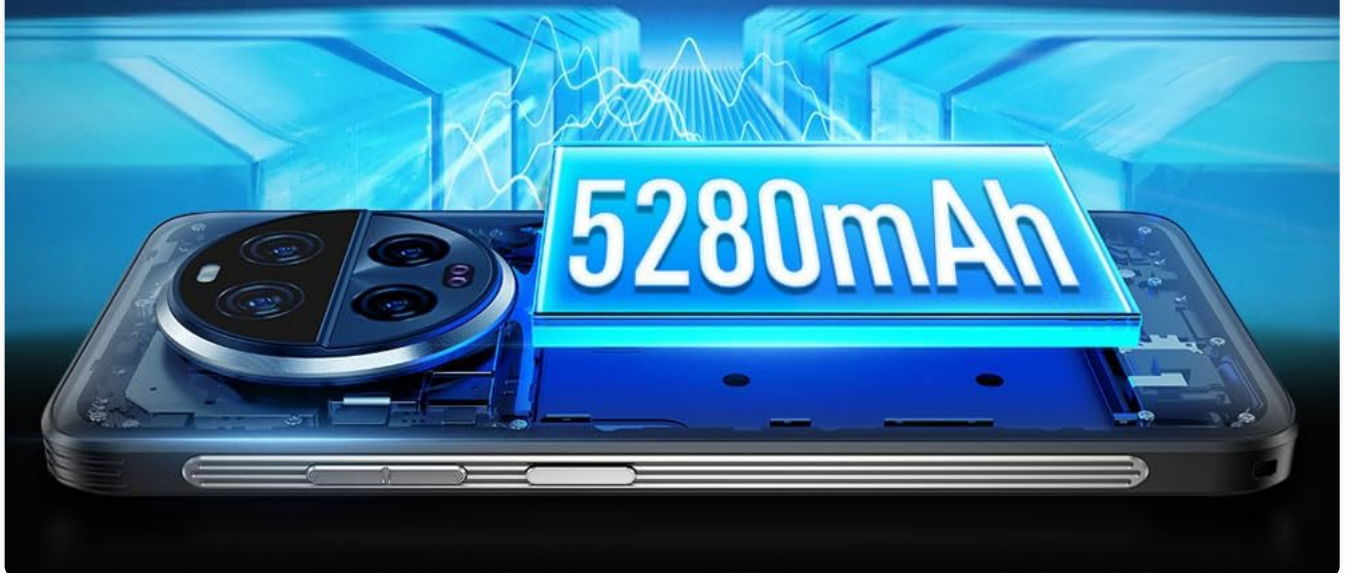


Figure 8: Diagram illustrating the 5280mAh long-life battery of the Ulefone Armor 23 Ultra, highlighting its high voltage and 800 life cycles.

Camera Features

The Armor 23 Ultra features a versatile quad-camera system: a 50MP super main camera, a 64MP night vision camera, a 50MP 117° ultra-wide camera, and an 8MP depth camera. The front-facing camera is a 50MP HD selfie camera.



50MP Wide-angle Camera

1/1.31" Ultra-Large Lens



Figure 9: Close-up of the Ulefone Armor 23 Ultra's 50MP wide-angle camera with its 1/1.31" ultra-large lens, designed for capturing detailed and vibrant images.

Connectivity

The device supports Dual 5G global networks (T-Mobile and Verizon only), NFC for Google Pay, Bluetooth, USB, and Wi-Fi 6. It also includes comprehensive GPS, Beidou, GLONASS, and Galileo navigation systems.

Special Features

- **Satellite Messaging:** The Armor 23 Ultra is powered by Bullitt satellite messenger, offering two-way satellite messaging when cellular or Wi-Fi coverage is unavailable. This feature allows you to stay connected in remote areas.
- **Customized Shortcut Button:** Assign up to 7 functions to a customizable shortcut button for quick access.
- **IR Blaster:** Control compatible infrared devices directly from your phone.
- **Glove Mode:** Enables perfect screen operation even when wearing gloves.

Always on Line

Two-way Satellite Messaging

In a cellular and WiFi dead zone? The Armor 23 Ultra has integrated two-way satellite messaging which you can rely on no matter how far off grid your adventure takes you.*



Figure 10: The Bullitt Satellite Messenger App interface on the Ulefone Armor 23 Ultra, demonstrating its two-way satellite messaging capabilities for staying connected off-grid.

Operating System

The smartphone runs on Android 13.0, providing a secure and user-friendly experience with access to a vast ecosystem of applications from the Google Play Store.

MAINTENANCE & CARE

- **Ruggedness:** The Armor 23 Ultra is IP68/IP69K and MIL-STD-810H certified, making it water, shock, and dust proof. While highly durable, avoid intentional misuse or extreme conditions beyond its ratings.
- **Cleaning:** Use a soft, lint-free cloth to clean the screen and body. For stubborn dirt, a slightly damp cloth can be used. Avoid harsh chemicals.
- **Battery Care:** To prolong battery life, avoid extreme temperatures. Do not fully discharge the battery regularly. Use the provided 120W charger for optimal charging speed and battery health.

TROUBLESHOOTING

- **Device Freezing/Unresponsive:** Press and hold the power button for about 10-15 seconds to force a restart.
- **Battery Draining Quickly:** Check background app usage, reduce screen brightness, disable unnecessary features like GPS or Bluetooth when not in use. Ensure optimal charging practices.
- **Network Connectivity Issues:** Verify SIM card installation. Check network settings (APN, preferred network type). Restart the device. Contact your carrier if issues persist.
- **App Crashes:** Clear the app's cache and data in settings. Reinstall the app if necessary. Ensure the device's software is up to date.

SPECIFICATIONS

Feature	Specification
Model Name	Ulefone Armor 23 Ultra
Operating System	Android 13.0
Processor	MediaTek Dimensity 8020 5G (Octa-Core)
RAM	24 GB (12GB physical + 12GB virtual)
Internal Storage	512 GB (expandable up to 2TB)
Display Size	6.78 Inches
Display Resolution	1080 x 2460 (FHD+)
Refresh Rate	120 Hz
Rear Camera	50MP Main + 64MP Night Vision + 50MP Ultra-Wide + 3.2X Telephoto
Front Camera	50MP
Battery Capacity	5280 mAh
Wired Charging	120W Fast Charging
Wireless Charging	50W Wireless Charging
Durability	IP68/IP69K, MIL-STD-810H Certified
Dimensions	6.9 x 3.2 x 0.5 inches
Item Weight	1.8 pounds

WARRANTY & SUPPORT

Ulefone provides a 1-year warranty for the Armor 23 Ultra. For any questions or support regarding your mobile phone, please contact Ulefone customer service. Refer to the warranty card included in your product packaging for detailed terms and conditions.