

## Ulefone Armor 26 Ultra

# Ulefone Armor 26 Ultra Walkie Talkie 5G Rugged Phone Instruction Manual

Model: Armor 26 Ultra | Brand: Ulefone

## INTRODUCTION

The Ulefone Armor 26 Ultra is a robust 5G rugged smartphone designed for demanding environments, featuring integrated walkie-talkie functionality. This device combines advanced communication capabilities with high-performance mobile technology, including a powerful camera system, large battery, and durable construction. This manual provides essential information for setting up, operating, and maintaining your device.

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Video: Overview of the Ulefone Armor 26 Ultra Walkie Talkie 5G Rugged Phone, showcasing its design, key features, and durability in various scenarios.

## SETUP

### What's in the Box

- Ulefone Armor 26 Ultra Walkie Talkie 5G Rugged Phone
- 1 x AC Power Charger (120W)
- 1 x Type-C to Type-C Data cable (100cm)
- 1 x Tempered Glass Screen Protector
- 1 x SIM Needle & Lanyard
- 2 x Detachable Antenna (UHF+VHF)

### Physical Overview

Familiarize yourself with the device's physical components:

- **Power Button:** Located on the side, used to power on/off and wake/sleep the screen.
- **Volume Buttons:** Adjust media and call volume.
- **Custom Key:** Programmable button for quick access to functions like PTT, flashlight, or other apps.
- **USB Type-C Port:** For charging and data transfer.
- **SIM/TF Card Slot:** Insert SIM cards and expandable storage.

- **Antenna Ports:** Connect the detachable UHF/VHF antennas for walkie-talkie functionality.
- **uSmart Expansion Connector:** For connecting compatible accessories.
- **Speaker:** 121dB Thunder Speaker for loud audio output.
- **Camera Module:** Rear quad-camera system and front camera.

## Initial Device Setup

1. **Insert SIM/TF Card:** Use the provided SIM needle to open the card tray. Insert your 5G SIM card(s) and/or a TF card for expanded storage. Ensure the tray is securely closed to maintain water and dust resistance.
2. **Attach Antennas:** For walkie-talkie use, carefully screw the appropriate UHF and/or VHF antennas into their designated ports on the top of the device.
3. **Power On:** Press and hold the Power Button until the Ulefone logo appears.
4. **Initial Configuration:** Follow the on-screen prompts to select your language, connect to Wi-Fi, set up your Google account, and configure basic settings.
5. **Charge Battery:** Connect the 120W AC Power Charger to the USB Type-C port to fully charge the device before first use.

## OPERATING INSTRUCTIONS

### Walkie-Talkie Functionality

The Armor 26 Ultra features integrated digital and analog dual-mode mobile radio capabilities.

- **Antenna Selection:** Use the appropriate UHF (400-480MHz for short-distance, better penetration) or VHF (136-174MHz for long-distance, farther coverage) antenna based on your communication needs.
- **PTT Key:** Utilize the dedicated Push-to-Talk (PTT) shortcut key for instant communication.
- **Dual Modes:** Supports both digital and analog radio modes, allowing for versatile connections with various devices.



Image: Ulefone Armor 26 Ultra showcasing its dual-mode mobile radio, one-key walkie-talkie function, and the use of optional UHF or VHF antennas for different communication ranges.

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Video: Demonstration of the Ulefone Armor 26 Ultra's dual radio functionality, highlighting its walkie-talkie capabilities and ease of use.

### Camera Usage

Capture high-quality photos and videos with the versatile camera system.

- **200MP Main Camera:** Utilizes a Samsung ISOCELL HP3 sensor for detailed images.
- **50MP Ultra-wide Lens:** Features a 117.3° FOV for expansive shots, enhanced by macro and EIS algorithms.
- **8MP 3.2x Optical Zoom Telephoto Lens:** Provides clear zoomed-in images.
- **64MP Night Vision Camera:** Equipped with OMNIVISION's OV64B sensor and Ulefone's NightElf Ultra 3.0 algorithm for low-light photography.
- **50MP Ultra Front Camera:** For high-resolution selfies and video calls.



Image: Detailed view of the Ulefone Armor 26 Ultra's quad-camera system, highlighting the 200MP main camera, telephoto lens, ultra-wide lens, and night vision capabilities.

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Video: Showcase of the Armor 26 Ultra's camera features, demonstrating its performance in various lighting conditions and modes.

## Display Features

Experience immersive visuals on the large, durable display.

- **6.78" FHD+ Display:** With 2460x1080 resolution, 20.5:9 aspect ratio, and 396 PPI for clear and vibrant images.
- **120Hz Refresh Rate:** Provides a smooth viewing experience for scrolling and gaming.
- **Corning Gorilla Glass 5:** Offers enhanced protection against drops, bumps, and scratches.



Image: Ulefone Armor 26 Ultra's 6.78" FHD+ 120Hz display and Corning Gorilla Glass 5 for enhanced durability and visual clarity.

## Performance

Powered by a robust processor and ample memory for smooth operation.

- **MTK Dimensity 8020 5G:** 2.6GHz high-frequency Arm Cortex-A78 8-core CPU with Arm Mali-G77 GPU, built on a 6nm process.
- **24GB RAM (12GB physical + up to 12GB virtual):** Ensures multiple memory-intensive apps run smoothly.
- **512GB Internal Storage:** Expandable up to 2TB with a TF card.



### Hardware Intercom



### Software Intercom

## >>>> Hardware (Radio) Intercom VS. Software Intercom <<<<

CATEGORY	Network	Latency	Battery Life	Communication Security	Call Quality
Hardware Intercom	Offline (Great for outdoor or remote areas off the grid)	None (Instant connection without relying on LTE/WiFi)	Longer (Thanks to extended communication)	Better (Digital encryption technology)	Clearer (Better ability of anti-interference, noise and transmission filtering)
Software Intercom	Online (Unavailable in areas without LTE/WiFi)	Affected by LTE/WiFi (Resulting in delayed or dropped connection)	Shorter (Due to running of the app with large data and processing)	Lower (Risk of being monitored)	Poorer (Low anti-interference ability over network)

Image: Visual representation of the MediaTek Dimensity 8020 5G processor and memory configuration (up to 24GB RAM + 512GB ROM) of the Ulefone Armor 26 Ultra.

Audio

Experience powerful and clear audio.

- **121dB Thunder Speaker:** A 3-watt output power and 34mm diameter speaker delivers exceptionally loud and dynamic audio.




### Dual 5G, SA&NSA High Speed Network

5G NR Sub6: N1/2/3/5/7/8/20/25/28/38/40/41/66/71/77/78/79  
FDD-LTE: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66/71  
TDD-LTE: B34/38/39/40/41  
WCDMA: B1/2/4/5/6/8/19  
GSM: B2/3/5/8  
CDMA: BC0/BC1/BC10



### 3-Card Slot



### Wi-Fi 6

Image: Close-up of the Ulefone Armor 26 Ultra's 121dB Thunder Speaker, highlighting its loudness, diameter, and output power.

Connectivity

Stay connected with global network support and advanced navigation.

- **Global 5G Network:** Supports dual SIM dual standby for high-speed connectivity.
- **Wi-Fi 6:** For faster and more stable wireless internet.
- **GPS:** (L1+L5) GPS+Glonass+Galileo+BeiDou for accurate positioning.
- **NFC:** For convenient mobile payments and data transfer.
- **IR Blaster:** Control compatible infrared devices.



Image: Ulefone Armor 26 Ultra highlighting its Dual 5G network support, 3-card slot, and Wi-Fi 6 capabilities.

## uSmart Expansion Connector

Expand your device's capabilities with specialized accessories.

- The custom uSmart Expansion Connector allows connection to professional accessories such as an endoscope, magnifier, or night vision camera (accessories sold separately).



Image: Ulefone Armor 26 Ultra showing the uSmart Expansion Connector and examples of compatible accessories like an endoscope, magnifier, and night vision camera.

## Ruggedness

Built to withstand harsh conditions.

- **MIL-STD 810G Standards:** Meets military-grade durability for shock, vibration, and extreme temperatures.
- **IP68 & IP69K Levels:** Provides supreme protection against water, dust, dirt, sand, humidity, and even salt mist.



Image: Ulefone Armor 26 Ultra demonstrating its dust-proof, waterproof (up to 1.5m for 30 minutes), and drop-proof (up to 1.2m onto concrete) capabilities, meeting MIL-STD 810G and IP68/IP69K standards.

## CHARGING AND BATTERY

The Armor 26 Ultra is equipped with a high-capacity battery and multiple charging options.

- **15600mAh Battery:** Provides extended usage with up to 1750 hours standby time, 56 hours call time, and 23 hours video playback.
- **120W Flash Charging:** Rapidly recharges the device.
- **33W Fast Dock Charging:** Convenient charging with an optional dock.
- **Reverse Charging:** Use your phone to charge other devices.



Image: Ulefone Armor 26 Ultra's 15600mAh powerful battery, showcasing 120W flash charging, 33W fast dock charging, and reverse charging capabilities.

## MAINTENANCE

To ensure the longevity and optimal performance of your Ulefone Armor 26 Ultra, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, damp cloth. For stubborn dirt, use a mild soap solution. Ensure all port covers are sealed before cleaning with liquids.

- **Port Covers:** Always ensure the USB Type-C port cover and SIM/TF card slot cover are securely closed when not in use to maintain water and dust resistance.
- **Antennas:** Store detachable antennas safely when not in use to prevent damage.
- **Screen Protection:** While the device features Corning Gorilla Glass 5, applying the provided tempered glass screen protector offers an additional layer of defense against scratches.
- **Temperature:** Avoid exposing the device to extreme temperatures (hot or cold) for prolonged periods, as this can affect battery life and internal components.

## TROUBLESHOOTING

If you encounter issues with your Ulefone Armor 26 Ultra, try the following steps:

- **Device Not Powering On:** Ensure the battery is charged. Connect the device to the 120W charger and wait a few minutes before attempting to power on again.
- **Poor Walkie-Talkie Signal:** Check that the correct antenna (UHF/VHF) is securely attached. Ensure you are within range of other devices and there are no major obstructions.
- **Network Connectivity Issues:** Verify that your SIM card is correctly inserted and activated. Check your mobile data settings and ensure 5G is enabled if available. Try restarting the device.
- **Screen Unresponsive:** Perform a forced restart by holding down the Power Button for approximately 10-15 seconds.
- **Apps Crashing:** Clear the cache of the problematic app or reinstall it. Ensure your device's software is up to date.
- **Water/Dust Exposure:** If the device has been exposed to water or dust, ensure all ports are sealed. If the speaker or microphone sounds muffled, allow the device to dry completely.

For persistent issues, contact Ulefone customer support or refer to the official Ulefone website for further assistance.

## SPECIFICATIONS

Feature	Specification
Model Name	Ulefone Armor 26 Ultra
Operating System	Android 13.0
CPU Model	Mediatek Dimensity 8020 (2.6 GHz)
RAM Memory Installed Size	24 GB
Memory Storage Capacity	512 GB (Expandable to 2TB)
Screen Size	6.78 Inches FHD+
Resolution	1080 x 2460
Refresh Rate	120 Hz
Main Camera	200MP Quad Camera
Front Camera	50MP
Battery Capacity	15600 Milliamp Hours
Charging	120W Flash Charging, 33W Dock Charging, Reverse Charging

Feature	Specification
Speaker	121dB Thunder Speaker
Ruggedness	IP68/IP69K, MIL-STD 810G, Corning Gorilla Glass 5
Walkie-Talkie	UHF (400-480MHz) & VHF (136-174MHz) Dual Modes Mobile Radio
Dimensions	7.05 x 3.27 x 1 inches
Item Weight	1.34 pounds (609 Grams)

## WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included in your product packaging or visit the official Ulefone website. Warranty terms and conditions may vary by region and retailer.