

Ulefone Power Armor 16S

Ulefone Power Armor 16S Rugged Smartphone User Manual

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Ulefone Power Armor 16S rugged smartphone. Please read this manual thoroughly before using your device to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Ulefone Power Armor 16S is a rugged smartphone designed for durability and performance in challenging environments. It features a powerful speaker, long-lasting battery, and advanced camera capabilities.

Ulefone Power Armor 16S

Hasta 16 GB de RAM + 128 GB de almacenamiento

Batería de 9600 mAh.

Cámara principal de 50MP



Altavoz más ruidoso de 122 dB



Linterna deslumbrante incorporada



androide 13



Procesador Unisoc T616 de ocho núcleos



Conector de expansión uSmart



IP68/IP69K/ MIL-STD-810G



Image: Ulefone Power Armor 16S smartphone with its main features.

Key Components

- **Display:** 5.93-inch HD+ screen with Corning Gorilla Glass.
- **Rear Camera:** 50MP main camera with 2MP macro lens.

- **Front Camera:** 8MP for selfies and video calls.
- **Speaker:** 122dB HiFi full-range speaker.
- **Flashlight:** Integrated 125 lumens LED flashlight.
- **Processor:** Unisoc T616 Octa-Core processor.
- **Battery:** 9600mAh large capacity battery.
- **Connectivity:** Dual SIM 4G, NFC, GPS, Bluetooth.
- **Durability:** IP68/IP69K and MIL-STD-810H certified.

Video: Overview of Ulefone Power Armor 16S features including speaker, charging, durability, camera, and flashlight.

3. SETUP

3.1 SIM Card and SD Card Installation

1. Locate the SIM card tray on the side of the device.
2. Use the provided SIM ejector tool to open the tray.
3. Carefully place your Nano-SIM cards and/or microSD card (up to 2TB, sold separately) into the designated slots. Ensure the gold contacts face downwards.
4. Gently push the tray back into the device until it clicks into place.



Image: Illustration of the Dual SIM and TF card slot for installation.

3.2 Initial Power On

1. Press and hold the Power button located on the side of the device until the Ulefone logo appears.
2. Follow the on-screen prompts to complete the initial setup, including language selection, Wi-Fi connection, and Google account setup.

4. OPERATING INSTRUCTIONS

4.1 Basic Navigation

- **Touch Screen:** Tap, swipe, pinch, and spread to interact with the display.
- **Power Button:** Press to wake/sleep the screen. Press and hold to power off or restart.

- **Volume Buttons:** Adjust media volume, call volume, and notification volume.

4.2 Custom Key

The custom key can be programmed for quick access to specific functions or applications. Navigate to *Settings > Smart Assistant > Custom Key* to configure its actions (single press, double press, long press).

4.3 Loud Speaker

The device features a 122dB HiFi speaker for powerful audio output. Ensure the speaker grille is clear of obstructions for optimal sound quality.



Image: Close-up of the 122 dB speaker on the Ulefone Power Armor 16S.

4.4 Flashlight

Activate the integrated 125 lumens LED flashlight via the quick settings panel or by assigning it to the custom key for quick access.



Image: The 4 LED flashlight illuminating a path during outdoor activities.

5. CAMERA FEATURES

The Ulefone Power Armor 16S is equipped with a versatile camera system.

5.1 Rear Camera (50MP Main + 2MP Macro)

- Capture high-resolution photos with the 50MP main sensor.
- Use the 2MP macro lens for detailed close-up shots.
- Supports various modes including Professional, Night Mode, Portrait, and GIF.



Cámara principal de 50MP

8160 x 6144

Alta resolución

Apertura f/1.8

Más luz

0,64um

Píxel grande

Image: Details of the 50MP main camera, including high resolution and aperture.



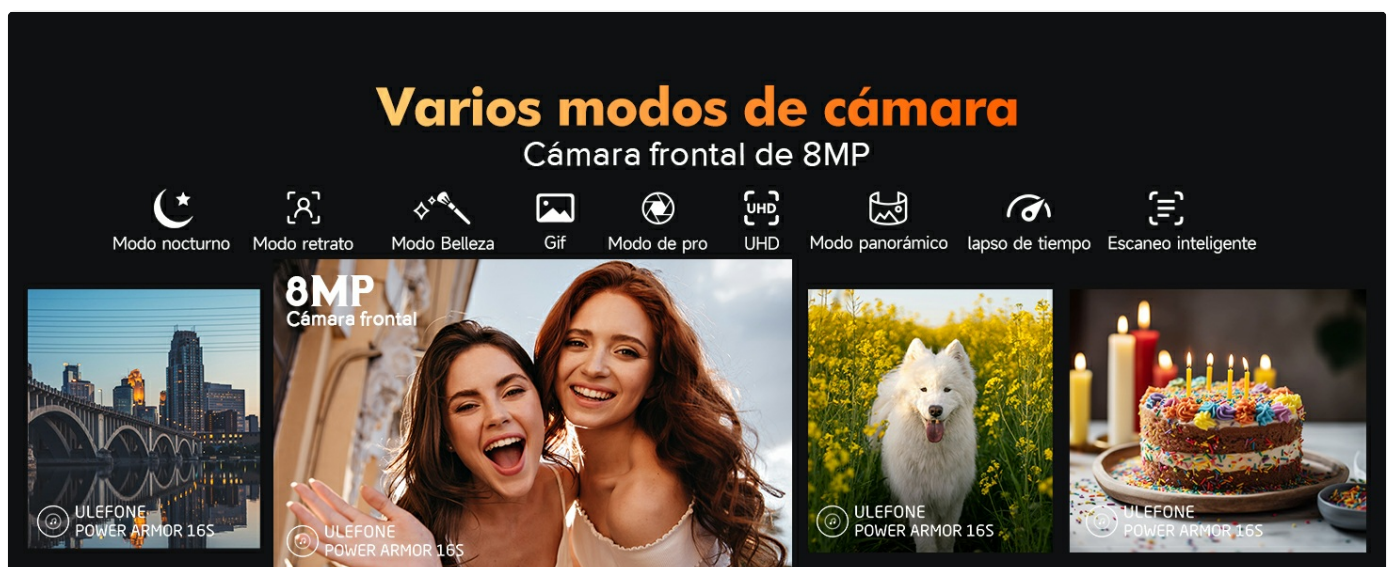
Cámara principal de 50MP

Cámara macro de 2MP

Image: Example photos from the 50MP main camera and 2MP macro camera.

5.2 Front Camera (8MP)

The 8MP front camera is suitable for high-quality selfies and video calls. It also supports various modes for enhanced photography.



Varios modos de cámara

Cámara frontal de 8MP

Modo nocturno Modo retrato Modo Belleza Gif Modo de pro UHD Modo panorámico lapso de tiempo Escaneo inteligente

8MP
Cámara frontal

ULEFONE
POWER ARMOR 16S

ULEFONE
POWER ARMOR 16S

ULEFONE
POWER ARMOR 16S

Image: Various camera modes for the 8MP front camera, including night mode and portrait.

5.3 Underwater Mode

The device supports an underwater mode, allowing you to capture photos and videos while swimming or diving. Ensure all ports are securely sealed before submerging the device.



Image: The smartphone capturing images underwater using its dedicated mode.

6. DURABILITY AND PROTECTION

The Ulefone Power Armor 16S is built to withstand harsh conditions.

- **IP68/IP69K Rating:** Certified for water and dust resistance. It can function underwater up to 1.5 meters for 30 minutes.
- **MIL-STD-810H Standard:** Meets military-grade standards for shock resistance, capable of withstanding drops from 1.5 meters without damage.
- **Temperature Resistance:** Operates in temperatures ranging from -20 °C to 55 °C.

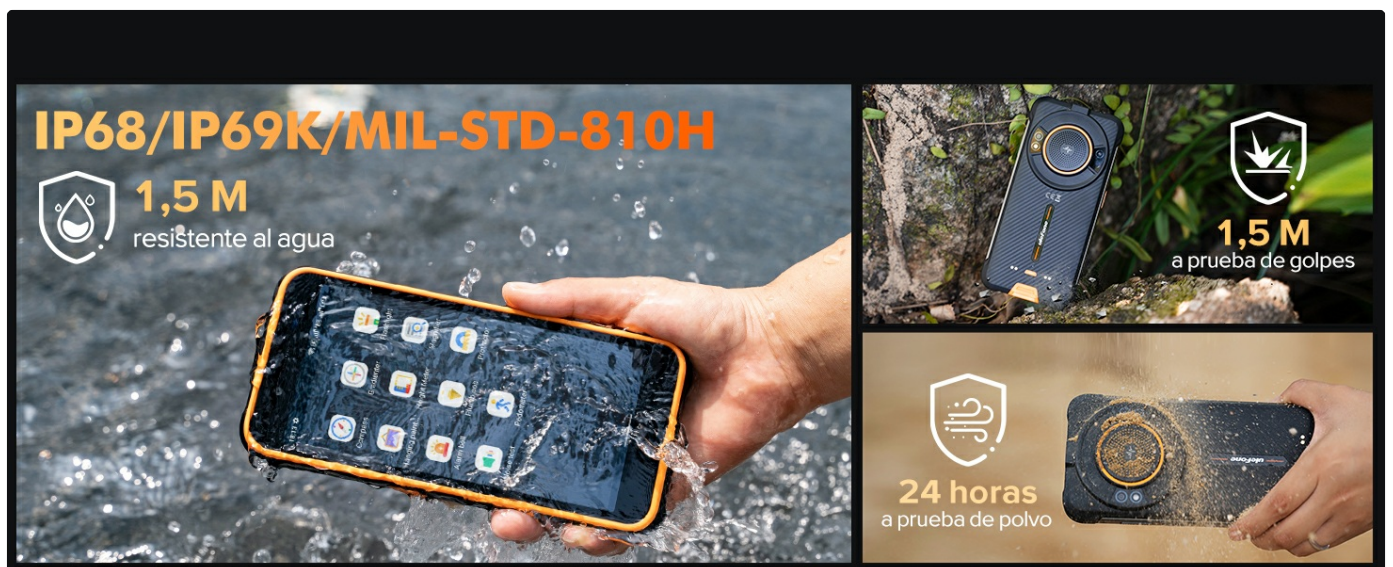


Image: The phone being splashed with water and shown to be resistant to drops and dust.

7. CONNECTIVITY AND SENSORS

The device offers a range of connectivity options and integrated sensors.

- **NFC:** Supports Near Field Communication for contactless payments (e.g., Google Pay) and data transfer.
- **GPS:** Integrated GPS, GLONASS, Beidou, and Galileo for accurate navigation.
- **Fingerprint ID:** Unlock your device securely using your fingerprint.
- **Face ID:** Use facial recognition for convenient unlocking.
- **FM Radio:** Enjoy FM radio without the need for headphones.
- **3.5mm Headphone Jack:** Connect wired headphones or external audio devices.
- **LED Notification:** A customizable LED light for notifications.



Image: Using NFC for contactless payment with Google Pay.



Image: Secure unlocking via facial recognition and fingerprint ID.

8. BATTERY AND CHARGING

The Power Armor 16S is equipped with a high-capacity battery and versatile charging options.

- **Battery Capacity:** 9600mAh for extended usage.
- **Fast Charging:** Supports 18W fast charging via USB Type-C.

- **OTG Reverse Charging:** Use your phone as a power bank to charge other devices.
- **Docking Station Support:** Compatible with an optional docking station for convenient charging (sold separately).



Batería masiva de 9600 mAh

18W

528 horas
Apoyar

39 horas
Vocación

22 horas
Video

15 horas
Juego de azar

Image: The 9600mAh battery with estimated usage times for standby, calls, and video.



Soporte de carga del muelle
*El cargador de base se vende por separado.

Carga inversa OTG
La carga inversa OTG es compatible con teléfonos inteligentes, computadoras portátiles, etc.

Image: The phone charging via a docking station and performing OTG reverse charging.

9. uSMART EXPANSION CONNECTOR

The uSmart expansion connector allows for connection to various Ulefone accessories (sold separately) to extend the phone's functionality.

- **Endoscopes:** Connect uSmart endoscopes (E01, E02, E03) for inspection in hard-to-reach areas.
- **Microscopes:** Connect uSmart digital microscopes (C01) for detailed examination.

Conector de expansión uSmart

Trabajo más estable con periféricos



Image: The uSmart expansion connector with examples of compatible endoscopes and microscopes.

10. SPECIFICATIONS

Below are the detailed specifications for the Ulefone Power Armor 16S.

Feature	Specification
Brand	Ulefone
Model Name	Power Armor 16S
Operating System	Android 13.0
Processor	Unisoc T616 Octa-Core, 2.0 GHz
RAM	8 GB (up to 16 GB with virtual RAM)
Internal Storage	128 GB
Expandable Storage	Up to 2 TB via microSD (card sold separately)
Display Size	5.93 inches
Display Resolution	720 x 1440 HD+
Rear Camera	50 MP Main + 2 MP Macro
Front Camera	8 MP
Battery Capacity	9600 mAh
Charging	18W Fast Charging, OTG Reverse Charging
Water Resistance	IP68/IP69K (1.5m for 30 mins)
Drop Resistance	MIL-STD-810H (1.5m drop)
Connectivity	4G Dual SIM, NFC, GPS, Bluetooth, Wi-Fi
Audio Jack	3.5 mm

Dimensions	17.4 x 8.4 x 1.9 cm
Weight	Not specified

11. TROUBLESHOOTING

If you encounter issues with your Ulefone Power Armor 16S, refer to the following common solutions:

- **Device not powering on:** Ensure the battery is charged. Connect the device to the charger and wait a few minutes before attempting to power on again.
- **Screen unresponsive:** Force restart the device by pressing and holding the Power button for approximately 10-15 seconds.
- **Network issues:** Check if your SIM card is correctly inserted. Verify that mobile data is enabled in settings. Try restarting the device or toggling airplane mode.
- **Apps crashing:** Clear the cache of the problematic app in *Settings > Apps > [App Name] > Storage > Clear Cache*. If the issue persists, try reinstalling the app.
- **Slow performance:** Close unnecessary background applications. Clear cached data regularly. Consider performing a factory reset if performance issues are severe (back up your data first).

12. WARRANTY AND SUPPORT

Your Ulefone Power Armor 16S comes with a manufacturer's warranty.

- **Warranty Period:** The product includes a 1-year warranty from the date of purchase.
- **Returns and Exchanges:** Free returns and exchanges are available within 7 days, and no-reason returns within 30 days of purchase.
- **Technical Support:** For further assistance, please refer to the official Ulefone website or contact their customer support.

Please retain your proof of purchase for warranty claims.

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

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

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