

Ulefone Armor 22

Ulefone Armor 22 Rugged Smartphone User Manual

Model: Armor 22

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your Ulefone Armor 22 Rugged Smartphone. The Ulefone Armor 22 is designed for durability and high performance, featuring a robust build, advanced camera systems, and a powerful battery. Please read this manual thoroughly before operating your device to ensure optimal performance and longevity.



Figure 1.1: Ulefone Armor 22 Rugged Smartphone Overview

The image displays the Ulefone Armor 22 smartphone from both front and back angles. The front shows the large display with a panther graphic, indicating "16GB+256GB" and "64MP Night Vision". The back highlights the rugged design and the camera module with two prominent infrared LEDs for night vision.

2. GETTING STARTED: SETUP

2.1 Package Contents

Verify that all items are present in your product package:

- AC power charger (100~240V /US plug)
- Data cable (100cm)
- Screen Protector
- Protective Film (Pre-installed)
- SIM needle & Lanyard
- Ulefone Armor 22 Smartphone

2.2 SIM Card and Storage Expansion Installation

To install your SIM card(s) and/or a microSD card for storage expansion (up to 512GB), locate the SIM tray on the side of the device. Use the provided SIM needle to eject the tray. Carefully place your Nano SIM cards and/or the TF card into the designated slots. Ensure the tray is fully inserted to maintain the device's waterproof and dustproof integrity.



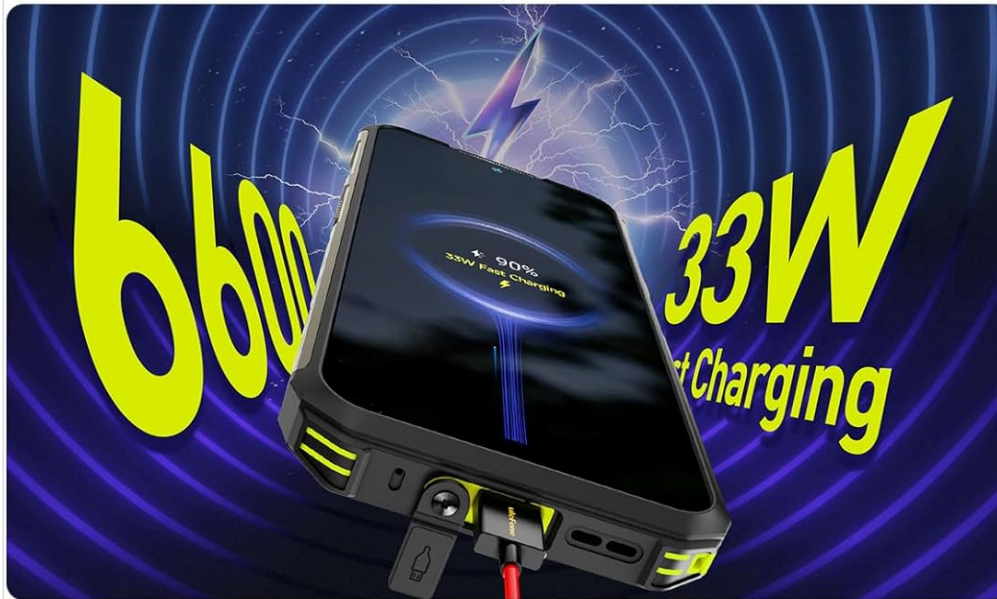
Figure 2.1: SIM and TF Card Installation

This image illustrates the 3-card slot of the Ulefone Armor 22, showing two Nano SIM slots and one TF card slot for expandable storage. It also highlights the Type-C port and 3.5mm audio jack.

2.3 Initial Charging and Power On

Before first use, fully charge your Ulefone Armor 22 using the provided 33W fast charger and data cable. Connect the USB-C end of the cable to the phone's charging port and the USB-A end to the power adapter, then plug the adapter into a wall outlet. Once sufficiently charged, press and hold the power button (typically on the right side) until the Ulefone logo appears to power on the device.

6600mAh Large Battery



27 Hours
Call Time



5W OTG
Reverse Charge



12 Hours
Video Playback

Figure 2.2: Battery and Charging

The image showcases the 6600mAh large battery and 33W fast charging capability of the Ulefone Armor 22. It illustrates the phone being charged, along with examples of its battery life for standby time, call time, video playback, and its 5W OTG reverse charge function.

Note: The Ulefone Armor 22 is not compatible with AT&T, Cricket, Sprint, or Boost Mobile networks. Please verify network compatibility with your carrier before use.

3. OPERATING YOUR DEVICE

3.1 Display and Navigation

The Ulefone Armor 22 features a 6.58-inch FHD+ display with a 120Hz refresh rate, providing a smooth and responsive user experience. Navigate the Android 14 operating system using touch gestures.

6.58" FHD+ 120Hz Display

120Hz
Refresh Rate

FHD+
Display

2408x1080
Resolution

FHD+



Figure 3.1: High Refresh Rate Display

This image highlights the Ulefone Armor 22's 6.58-inch FHD+ display, emphasizing its 120Hz refresh rate and 2408x1080 resolution for a fluid visual experience.

3.2 Camera Features

Your device is equipped with a versatile camera system:

- **64MP Night Vision Camera:** Utilize the advanced NightElf Ultra 2.0 algorithm and two IR LEDs to capture clear and detailed images in low light or complete darkness.
- **64MP Wide-angle Camera:** The Sony IMX686 sensor with $f/1.89$ aperture ensures high-resolution photos with fine detail.
- **8MP Front Camera:** For selfies and video calls.
- **Underwater Camera Mode:** The device supports photography underwater, leveraging its IP68/IP69K rating.



Figure 3.2: Night Vision Camera Capabilities

This image details the 64MP Night Vision Camera of the Ulefone Armor 22, showing its two IR LEDs and the various modes available, including Night Vision Mode, 64MP Mode, GIF, Portrait Mode, Pro Mode, Panorama Mode, Slow Motion, Time Lapse, Intelligent Scanning, and Filter Mode.



Figure 3.3: Front and Underwater Camera

The image displays the 8MP Front Camera in use for selfies and highlights the Underwater Camera feature, showing the phone being used by a diver and partially submerged in water.

3.3 IR Remote Control

The Ulefone Armor 22 includes an IR Blaster, allowing it to function as a universal remote control for various household appliances. Use the pre-installed IR remote application to configure and control devices such as televisions, air conditioners, projectors, and more.



Figure 3.4: IR Remote Control Functionality

This image demonstrates the Ulefone Armor 22's capability to serve as an IR Blaster, showing the phone displaying a remote control interface and a list of compatible appliances like TV, projector, fan, air conditioner, DVD, AMP, and robot vacuum.

3.4 Other Key Features

- **NFC & Google Pay:** Enable Near Field Communication (NFC) for contactless payments and data transfer.
- **Custom Key:** Program the customizable side button for quick access to frequently used apps or functions (single click, double click, long press).
- **Gloves Mode:** Enhance touch screen sensitivity for operation while wearing gloves.
- **Biometric Unlock:** Secure your device using Face Unlock or the integrated Fingerprint ID sensor.
- **Navigation Systems:** Supports GPS, Glonass, Galileo, and BeiDou for accurate positioning.
- **Headset-Free FM Radio:** Enjoy FM radio without needing to connect headphones as an antenna.
- **Outdoor Toolbox:** Access a suite of utility tools including Noise Test, Compass, Flashlight, Gradienter, Height Meter, Magnifier, Hanging Painting, Alarm Bell, Plumb Bob, and Protractor.

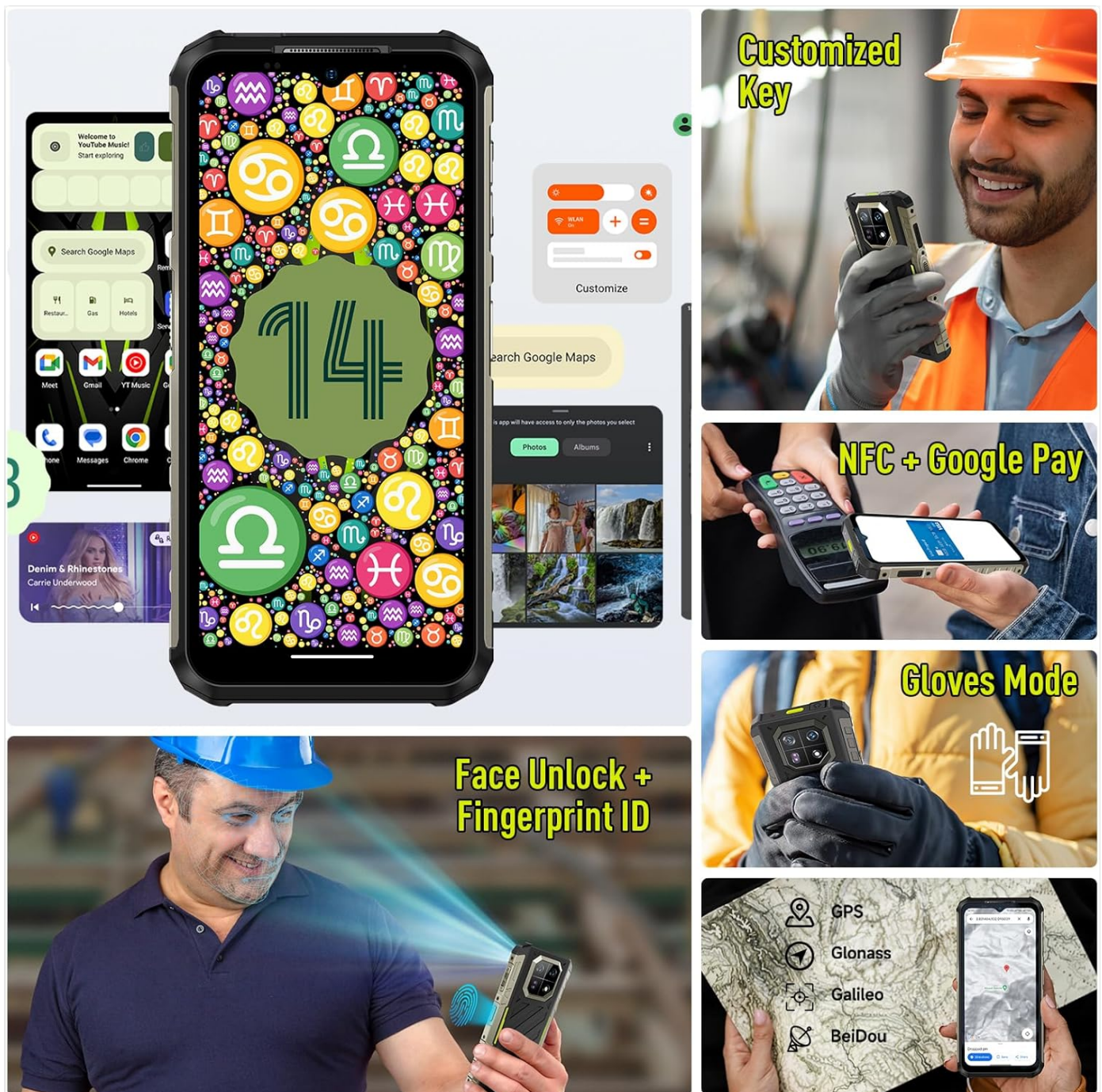


Figure 3.5: Enhanced Features

This image highlights several user-friendly features of the Ulefone Armor 22, including Gloves Mode for touch sensitivity with gloves, a Customizable Key with single, double, and long-press options, Power Key Fingerprint unlock, and Headset-free FM Radio.

4. MAINTENANCE

4.1 Ruggedness and Cleaning

The Ulefone Armor 22 is certified with IP68/IP69K and MIL-STD-810H standards, making it resistant to water, dust, and drops. While designed for durability, proper care will extend its lifespan. To clean the device, you may rinse it under tap water if it gets dirty. Ensure all ports are securely closed before exposing it to water. For general cleaning, wipe the screen and body with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.



Figure 4.1: Durability Standards

This image illustrates the Ulefone Armor 22's compliance with IP68/IP69K and MIL-STD-810H standards, showcasing its resistance to dust, water (up to 1.5m for 30 minutes), and drops (up to 1.5m onto concrete).

4.2 Software Updates and Storage Management

Regularly check for and install system updates to ensure your device has the latest features, security patches, and performance improvements. Manage your 256GB internal storage and any expanded storage (up to 512GB via microSD) by regularly clearing unnecessary files, apps, and media to maintain optimal performance.

5. TROUBLESHOOTING

If you encounter issues with your Ulefone Armor 22, refer to the following common troubleshooting steps:

- **Device Freezing/Unresponsive:** Press and hold the power button for approximately 10-15 seconds to force a restart.
- **Camera Focus Issues:** Ensure the camera lens is clean and free from obstructions. If the issue persists, a factory

reset may be necessary (back up data first) or contact support.

- **Network Connectivity:** Verify your SIM card is correctly inserted and active. Check your carrier's coverage in your area. Remember, this device is not compatible with AT&T, Cricket, Sprint, or Boost Mobile.
- **Battery Draining Quickly:** Close background applications, reduce screen brightness, disable unnecessary features like GPS or Wi-Fi when not in use, and ensure no apps are consuming excessive power.
- **Water Damage Concerns:** While highly water-resistant, ensure all port covers are sealed tightly before water exposure. If water ingress is suspected, power off the device immediately and allow it to dry completely before attempting to power on.

For persistent issues not resolved by these steps, please contact Ulefone customer support.

6. SPECIFICATIONS

Feature	Detail
Brand	Ulefone
Model Name	Armor 22
Operating System	Android 14
RAM	16 GB (8GB physical + 8GB virtual)
Memory Storage Capacity	256 GB (expandable up to 512GB)
Processor	MediaTek Helio G96 (8-core CPU, 2.05GHz)
Screen Size	6.58 Inches
Resolution	1080 x 2408 (FHD+)
Refresh Rate	120 Hz
Main Camera	64MP Wide-angle (Sony IMX686) + 64MP Night Vision
Front Camera	8MP
Battery Capacity	6600 Milliamp Hours
Charging	33W Fast Charging, 5W OTG Reverse Charge
Durability	IP68/IP69K, MIL-STD-810H Standard
Connectivity	4G LTE, Wi-Fi (2.4G/5G), Bluetooth, NFC, GPS, Glonass, Galileo, BeiDou
Audio Jack	3.5 mm
Dimensions (L x W x H)	6.96 x 3.34 x 0.59 inches
Item Weight	11.4 ounces (324 Grams)
Special Features	IR Remote Control, Custom Key, Gloves Mode, Fingerprint Unlock, Face Unlock, Headset-Free FM Radio, Outdoor Toolbox

7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Ulefone website. You can also find more information and contact options on the [Ulefone Brand Store on Amazon](#). Ulefone is committed to providing high-quality products and reliable customer service.