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› OSCAL Marine 2 Rugged Smartphone User Manual

OSCAL Marine 2 Black 12GB+64GB Rugged Smartphone 2025

OSCAL Marine 2 Rugged Smartphone User Manual

Model: Marine 2 Black 12GB+64GB Rugged Smartphone 2025

INTRODUCTION

Welcome to the user manual for your new OSCAL Marine 2 Rugged Smartphone. This device is engineered for durability and high performance, featuring an 11000mAh battery, advanced AI capabilities, and robust protection against harsh environments. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your device, ensuring you get the most out of its powerful features.



The OSCAL Marine 2 Rugged Smartphone, showcasing its durable design and sleek appearance.

1. SETUP

1.1 Package Contents

Before you begin, please ensure all items are present in your package:

- 1 x OSCAL Marine 2 Rugged Smartphone
- 1 x Phone Charger

- 1 x Type-C Charging Cable
- 1 x Card Pin
- 1 x User Manual (this document)
- 1 x Phone Lanyard

1.2 SIM and MicroSD Card Installation

The Marine 2 supports dual Nano SIM cards and one MicroSD card for expandable storage up to 2TB. To install:

1. Locate the SIM tray on the side of the device.
2. Insert the provided card pin into the small hole next to the tray to eject it.
3. Carefully place your Nano SIM cards and/or MicroSD card into the designated slots on the tray. Ensure they are correctly oriented.
4. Gently push the tray back into the phone until it clicks into place.

1.3 Initial Charging

Your Marine 2 comes with an 11000mAh battery. For optimal performance, fully charge the device before first use.

- Connect the Type-C charging cable to the phone's charging port.
- Connect the other end of the cable to the phone charger, then plug the charger into a power outlet.
- The phone supports 18W fast charging. A full charge may take several hours.



The OSCAL Marine 2 features an 11000mAh battery with 18W fast charging, providing extended usage times for video, gaming, web browsing, music, calling, and standby.

1.4 Powering On/Off

- **To Power On:** Press and hold the Power button (usually on the right side) until the OSCAL logo appears.
- **To Power Off:** Press and hold the Power button, then select 'Power off' from the options on the screen.

1.5 Initial Setup Wizard

Upon first power-on, the device will guide you through the initial setup process, including language selection, Wi-Fi connection, Google account login, and security settings. Follow the on-screen prompts.

2. OPERATING YOUR DEVICE

2.1 Display and Navigation

The Marine 2 features a 6.56-inch IPS Ultra-HD display with a 90Hz refresh rate for smooth visuals. Navigation is primarily touch-based.

- **Touch Gestures:** Tap, swipe, pinch-to-zoom, and long-press are standard Android gestures.
- **Glove Mode:** This feature allows for unaffected screen operation even when wearing gloves. Activate it in the display settings for convenience in cold or industrial environments.

Top-tier MIL-STD- 810H Cerified, Leading IP68 and IP69K Support

Rock Solid, Challenge Ready



The 6.56-inch IPS display offers a 90Hz refresh rate and 400 nits brightness for an immersive visual experience.

2.2 Camera Features

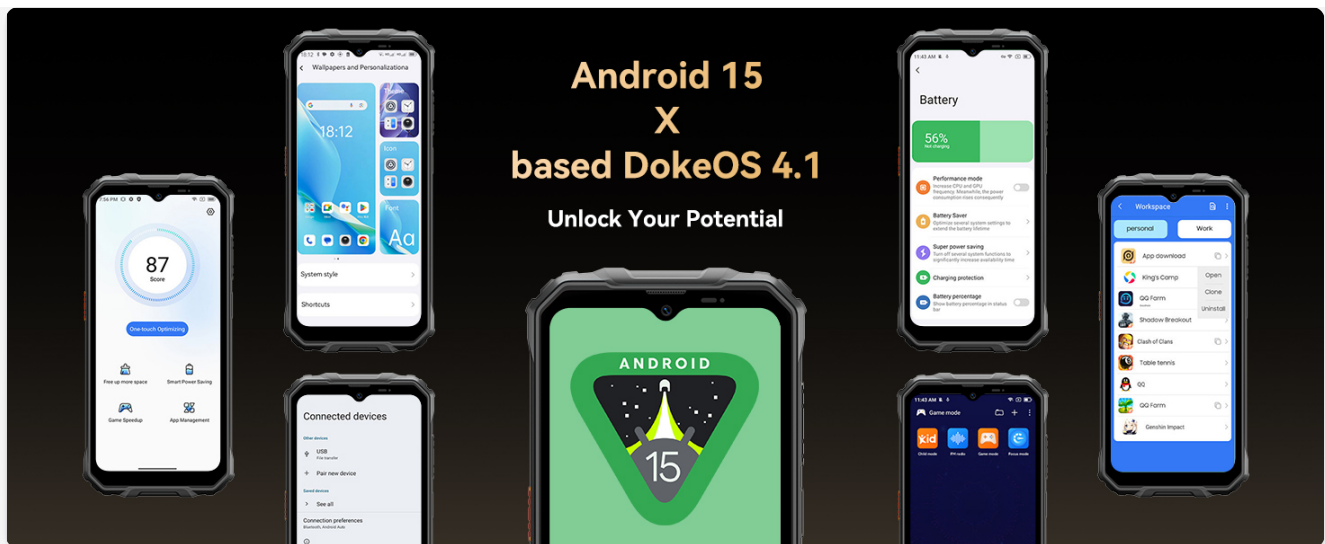
Capture moments with the 16MP AI main camera (ISOCELL JN1 sensor) and 8MP front camera.

- **AI Beauty 2.0:** Enhance your selfies with intelligent beautification.
- **AI Smart Google Lens:** Utilize visual searches, image text translation, object recognition, and video content summarization directly from your camera.
- **Modes:** Explore various modes like Pro, Time Lapse, Panorama, Portrait, and more.

Waterproof up to 1.5m Deep for 30mins



The 16MP AI Rear Camera supports various modes including Pro, Time Lapse, and Panorama for versatile photography.



The 8MP AI Front Camera is ideal for selfies, featuring Beauty Mode and Portrait Mode.

2.3 Battery Management

The 11000mAh battery provides exceptional endurance. To optimize battery life:

- **AI Power-Saving Mode:** Enable this mode in settings to intelligently manage background app activity and extend battery life.
- **OTG Reverse Charging:** Use your Marine 2 to charge other devices like smartphones, tablets, or smartwatches. Connect the devices using an OTG cable (not included).

2.4 Security Features

Protect your data with multiple unlock options:

- **Facial Recognition:** Set up face unlock for quick and convenient access.
- **Fingerprint Identification:** Register your fingerprints for secure unlocking.

Three Eye-friendly Modes, All-day Comfort

Every Swipe and Tap, Eye First



Reading Mode



Night Light



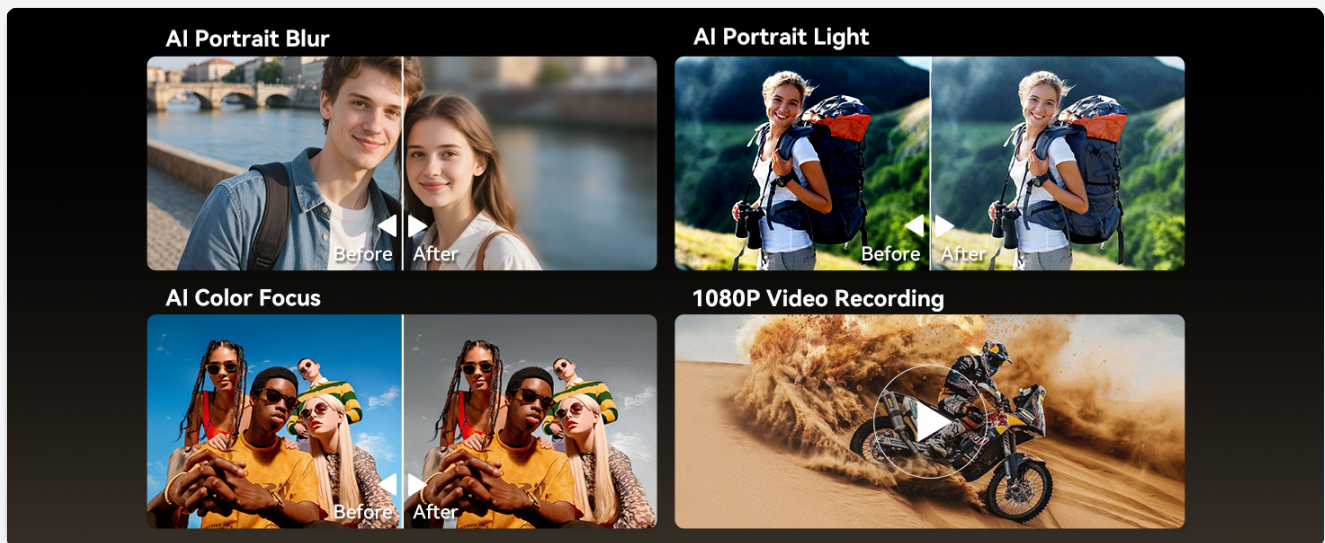
Dark Mode
(Enhanced/Moderate/Gentle)

Unlock your device securely using Face Unlock or Fingerprint Identification.

2.5 Connectivity

The Marine 2 offers comprehensive connectivity options:

- **NFC:** For convenient payments, public transport, and data transfer.
- **Navigation:** Supports GPS, GLONASS, Galileo, and Beidou for accurate positioning.
- **Dual SIM:** Use two Nano SIM cards simultaneously for separate personal and work lines.
- **Wi-Fi:** Supports 5G Wi-Fi for faster download speeds.
- **Bluetooth 5.2:** For faster and more stable data transfer with compatible devices.



Utilize multi-function NFC for various contactless interactions.

2.6 Software Features (DokeOS 4.1 & Android 15)

Experience enhanced user experience with DokeOS 4.1 based on Android 15:

- **App Split-Screen:** Multitask with ease by running two apps side-by-side.
- **App Cloning:** Operate multiple instances of the same application.
- **Workspace App:** Organize your apps for personal and work use.
- **EasyShare App:** Transfer files quickly and efficiently.
- **APP Pairs:** Create shortcuts for launching two apps in split-screen mode simultaneously.
- **Atomized Memory 2.0:** Optimizes memory usage for smoother performance.
- **System Manager:** Optimize device performance, manage battery, and clean storage.
- **Partial Screen Recording & Sharing:** Record specific parts of your screen and share them easily.
- **Sensitive Notifications:** Manage privacy settings for notifications.

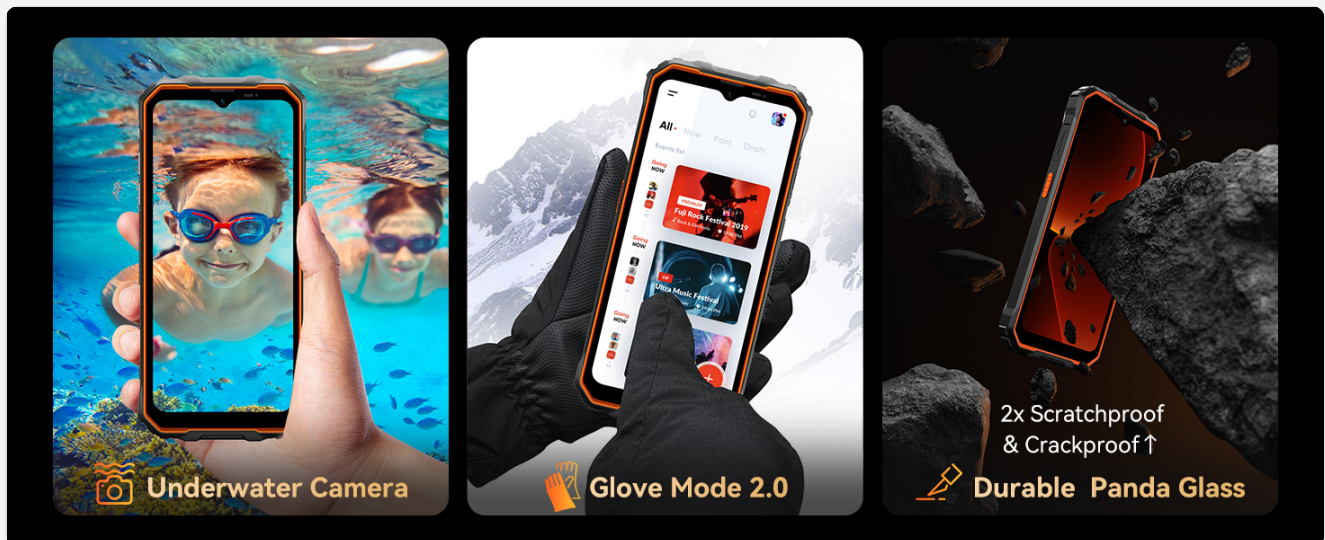
**1.2m Death-broke
Drop-proofness**



2.7 Gemini AI 2.0

The Marine 2 integrates Gemini AI 2.0, your personal AI helper:

- **AI Smart Control:** Control your device and apps with intelligent commands.
- **AI Voice-Enabled Smart Q&A:** Get answers to your questions through voice commands.
- **AI Voice Wake-Up:** Activate your AI assistant with a voice command.
- **AI Smart Voice Interaction:** Engage in natural conversations with the AI.
- **AI Real-Time Conversation:** Facilitates dynamic and responsive interactions.
- **AI Multi-Scenario Empowerment:** Adapts to various situations to provide relevant assistance.
- **AI Text to Image:** Generate images based on your text descriptions.



Gemini AI 2.0 acts as your all-around AI assistant, understanding and simplifying your daily tasks.

3. MAINTENANCE

3.1 Cleaning Your Device

To clean your OSCAL Marine 2:

- Use a soft, lint-free cloth to wipe the screen and body.
- For stubborn smudges, slightly dampen the cloth with water or a screen cleaner.
- Avoid using harsh chemicals or abrasive materials.

3.2 Water and Dust Resistance

The Marine 2 is built to withstand challenging conditions:

- **IP69K Rating:** Provides excellent protection against dust and high-pressure, high-temperature water jets.
- **MIL-STD 810H Certified:** Meets military-grade standards for durability, including resistance to drops from up to 1.2 meters and immersion in water up to 1.5 meters deep for 30 minutes.
- **Durable Panda Glass:** The screen is designed for enhanced scratch and crack resistance.



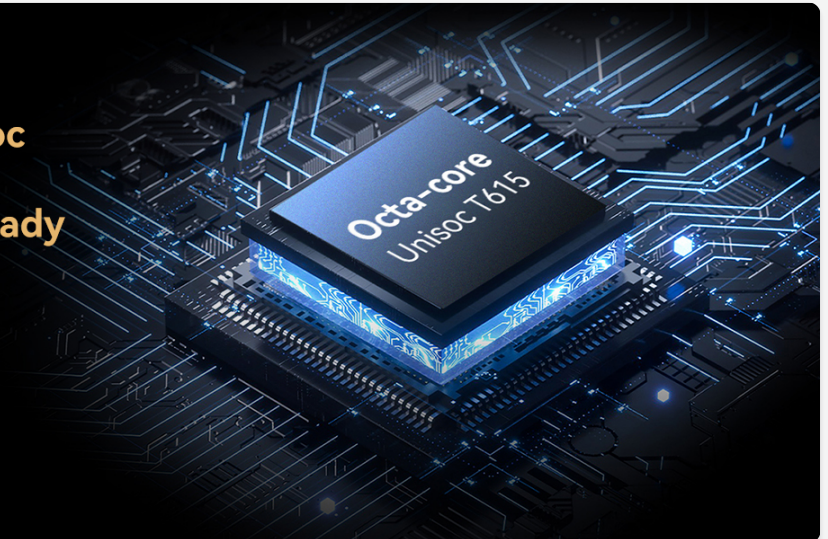
The Marine 2 offers all-weather protection with MIL-STD 810H, IP68, and IP69K ratings, ensuring durability against water, dust, and drops.

Robust Octa-core Unisoc T615 Chipset, Peak Performance Always Ready

Seamless Multitasking, Smooth Operation,
Easier than Ever



355769
AnTuTu Benchmark



The OSCAL Marine 2 is waterproof up to 1.5 meters deep for 30 minutes.

3.3 Software Updates

Regularly check for software updates to ensure your device has the latest features, security patches, and performance improvements. Updates are typically delivered over-the-air (OTA).

- Go to **Settings > System > System update** to check for available updates.

3.4 Storage Management

The Marine 2 comes with 64GB of internal storage, expandable up to 2TB via a MicroSD card. Manage your storage to maintain optimal performance:

- Regularly clear cache and unnecessary files using the built-in System Manager.
- Move large files like photos and videos to your MicroSD card.
- Uninstall unused applications.

6.56" Large Display with 90Hz Refresh Rate

Broad Vision to Enjoy, Scrolls That Flow



The OSCAL Marine 2 is powered by an Octa-core Unisoc T615 processor and offers up to 12GB RAM (4GB+8GB expansion) with 64GB internal storage, expandable to 2TB.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your OSCAL Marine 2.

4.1 Phone Not Turning On

- Ensure the battery is charged. Connect the phone to the charger and wait a few minutes before attempting to power on.
- Press and hold the Power button for at least 10-15 seconds to force a restart.

4.2 Charging Issues

- Verify that the charging cable and adapter are securely connected and undamaged.
- Try using a different power outlet.
- Clean the charging port gently with a soft, dry brush to remove any debris.

4.3 Connectivity Problems (Wi-Fi/Bluetooth/Mobile Data)

- **Wi-Fi:** Restart your Wi-Fi router. Forget the network on your phone and reconnect.
- **Bluetooth:** Ensure both devices are in pairing mode and within range. Toggle Bluetooth off and on.
- **Mobile Data:** Check if mobile data is enabled in settings. Ensure your SIM card is active and has a valid plan. Restart the phone.

4.4 Apps Crashing or Freezing

- Close the problematic app and reopen it.
- Clear the app's cache and data (Settings > Apps > [App Name] > Storage > Clear cache/Clear data).
- Ensure the app is updated to its latest version.
- If the issue persists, uninstall and reinstall the app.

4.5 Screen Unresponsive

- Restart the phone by holding the Power button until it reboots.

- Ensure your hands are clean and dry. If using gloves, activate Glove Mode.

If you encounter issues not covered here, please refer to the Warranty and Support section for assistance.

5. SPECIFICATIONS

Below are the key technical specifications for the OSCAL Marine 2 Rugged Smartphone:

Feature	Specification
Brand	OSCAL
Model Name	Marine 2 Black 12GB+64GB Rugged Smartphone 2025
Operating System	Android 15 (DokeOS 4.1)
Processor	Unisoc T615 Octa-core (1.8 GHz)
RAM Memory	12 GB (4GB + 8GB Expansion)
Internal Storage	64 GB
Expandable Storage	Up to 2 TB (MicroSD)
Screen Size	6.56 Inches
Resolution	720 x 1612 HD+
Refresh Rate	90 Hz
Brightness	450 nits
Rear Camera	16 MP AI Main Camera (ISOCELL JN1)
Front Camera	8 MP AI Front Camera
Battery Capacity	11000 mAh
Charging	18W Fast Charging, OTG Reverse Charging
Protection	IP68, IP69K, MIL-STD 810H
Connectivity	Dual SIM (Nano), NFC, GPS+GLONASS+Galileo+Beidou, 5G Wi-Fi, Bluetooth 5.2
Dimensions	18 x 7 x 1.3 cm
Weight	395 g

6. WARRANTY AND SUPPORT

OSCAL is committed to providing high-quality products and excellent customer service.

6.1 Warranty Information

Your OSCAL Marine 2 Rugged Smartphone comes with a**2-year warranty**. This warranty covers manufacturing defects and ensures free software updates. For detailed terms and conditions, please refer to the official OSCAL website or contact customer support.



OSCAL provides a 2-year warranty and lifetime technical support for its products.

6.2 Customer Support

If you have any questions, concerns, or require technical assistance, our professional customer service team is available to help.

- **24/7 Online Call Support:** Contact us anytime for personalized, high-quality support.
- **30-Day Free Return & Exchange:** If you are not satisfied with your purchase, you may be eligible for a return or exchange within 30 days.



OSCAL's commitment to service includes 24/7 customer support, a 30-day return policy, and 2-year after-sales support.

For further information or to contact support, please visit the official OSCAL Store:[OSCAL Store on Amazon](#)

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

Answered questions about this manual

How do I install the SIM card in the OSCAL Marine 2 Black 12GB+64GB Rugged Smartphone 2025?

To install the SIM card in your OSCAL Marine 2 Rugged Smartphone, follow these steps: Locate the SIM tray on the side of the device. Insert the provided card pin into the small hole...

[Read full answer](#)