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OSCAL TANK 1

OSCAL TANK 1 5G Rugged Smartphone User Manual

Model: TANK 1

1. INTRODUCTION

The OSCAL TANK 1 5G is a rugged smartphone designed for durability and high performance in challenging environments. It features a large battery, advanced camera system, and robust construction to withstand extreme conditions. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

2. PACKAGE CONTENTS

Before you begin, please check the contents of your package:

- OSCAL TANK 1 (48+512) Rugged Phone x1
- Type-C Cable x1
- Screen Protector x1 (pre-applied or in box)
- User Manual x1
- SIM Card Pin x1 (SIM card not included)

3. DEVICE LAYOUT

Familiarize yourself with the physical components of your OSCAL TANK 1.

20000mAh

Vous offre une sécurité dans de multiples situations

Site de construction



Transport à longue distance



Voyage en mer



Travail agricole



Sécurité



Camping en plein air



Randonnée pour une longue distance



Figure 3.1: Front and back view of the OSCAL TANK 1 5G Smartphone, highlighting the main display, secondary display, and camera module.

Écran Eye-Comfort FHD+ 2.4k de 6.78 Pouces

Scènes Plus Nettes, Sensations Plus Fluides

1080*2460
Haute Résolution

16.7M Couleurs
Visuels Vifs et Vibrants

120Hz
Taux de Rafraîchissement Dynamique

TÜV SÜD
Certification Lumière Bleue Faible

700 Nits
Brightness

240Hz
Taux d'Échantillonage Robuste



Luminosité 700 Nits

Plus de 40 % Plus Lumineux que les Écrans Conventionnels ↑

Figure 3.2: Overview of the OSCAL TANK 1's external features including the 170lm dual-beam flashlight, 100dB speaker, infrared remote, integrated toolbox, underwater camera mode, and glove mode.

4. SETUP

4.1. Inserting SIM Cards and MicroSD Card

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 into the designated slots. Ensure correct orientation.
4. Gently push the tray back into the device until it clicks into place.

4.2. Initial Charging

Before first use, fully charge your OSCAL TANK 1. Connect the Type-C cable to the phone's charging port and the other end to a compatible 55W power adapter. The device supports 55W fast charging.



Figure 4.1: The OSCAL TANK 1 connected to its 55W turbo charger, illustrating the fast charging capability.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Reboot

- **Power On:** Press and hold the Power button until the OSCAL logo appears.
- **Power Off:** Press and hold the Power button, then select 'Power off' from the options.
- **Reboot:** Press and hold the Power button, then select 'Restart' from the options.

5.2. Battery Management

The OSCAL TANK 1 is equipped with a 20000mAh battery, providing extended usage times.

- **Usage:** Up to 84 hours of calls or 23 hours of video playback.
- **Fast Charging:** Supports 55W wired turbo charging.
- **Reverse Charging (OTG):** The device can act as a power bank to charge other devices (5W supported).



Figure 5.1: The 20000mAh battery provides reliable power for various situations, including construction sites, long-distance transport, sea travel, agricultural work, security, outdoor camping, and hiking.



Figure 5.2: The reverse OTG charging feature allows the OSCAL TANK 1 to charge other devices like headphones, smartwatches, and other smartphones.

5.3. Main Display (6.78" FHD+ 120Hz IPS)

The main display offers a clear and fluid visual experience with a 120Hz refresh rate and 700 nits brightness for visibility even in direct sunlight.



Figure 5.3: The 6.78-inch FHD+ IPS display features 1080x2460 resolution, 16.7 million colors, 120Hz dynamic refresh rate, 700 nits

brightness, and TUV SUD Low Blue Light certification.

5.4. Secondary Display (2.01")

The intelligent 2.01-inch secondary screen provides quick access to essential information and functions without activating the main screen.

- **Functions:** View time, notifications, incoming calls, music control, compass, weather, and messages.
- **Selfie Viewfinder:** Use the secondary screen as a viewfinder for high-quality selfies with the main camera.



Figure 5.4: The 2.01-inch secondary display shows time, battery status, compass, incoming calls, messages, weather, and can be used as a selfie viewfinder.

5.5. Camera System

The OSCAL TANK 1 features a versatile triple camera setup:

- **64MP Main Camera:** For detailed photos.
- **50MP Ultra-Wide Camera:** For expansive landscape shots.
- **20MP Infrared Night Vision Camera:** For clear images in total darkness.
- **50MP AI Selfie Camera:** For high-resolution self-portraits.
- **4K Video Recording:** Supports 4K at 30fps.



Figure 5.5: The ultra-clear imaging system includes a 50MP selfie camera, 20MP night vision camera, and 64MP AI True-Chroma camera.

Certification Anti-Feu UL94 HB

Offre une Résistance de Base au Feu Pour Améliorer la Sécurité dans les Environnements Difficiles



Figure 5.6: The 20MP night vision camera allows clear visibility in dark environments, useful for camping, navigating trails, and emergency rescues.

5.6. Durability Features

The TANK 1 is built to withstand harsh conditions, certified with IP68/IP69K and MIL-STD-810H standards.

- **Water Resistance:** Submersible up to 2 meters for 30 minutes.
- **Dust Resistance:** 99% resistance to dust ingress.
- **Drop Resistance:** Withstands drops from 1.5 meters onto concrete and 10-meter free falls.
- **Pressure Resistance:** Up to 1200 kg.
- **Temperature Range:** Operates stably from -50°C to +70°C.
- **Flame Resistance:** UL94 certified flame-retardant plastic.



Figure 5.7: The OSCAL TANK 1's robust design includes reinforced corners, aerospace-grade alloy frame, double waterproof seal, and Gorilla Glass 5 for extreme durability against drops, pressure, and water.

5.7. Performance and Connectivity

- **Processor:** MediaTek Dimensity 7050 5G for smooth multitasking and gaming.
- **Memory:** 48GB RAM (16GB physical + 32GB expansion) and 512GB ROM, expandable up to 2TB via MicroSD.
- **Operating System:** Android 15 with DokeOS 4.2, offering AI-enhanced features.
- **Network:** 5G connectivity for fast data speeds.
- **Wi-Fi:** Wi-Fi 6 for ultra-fast wireless connections.
- **Navigation:** Dual-frequency 5-in-1 navigation (L1+L5) for precise positioning.

- **NFC:** For contactless payments and data transfer.



Figure 5.8: The MediaTek Dimensity 7050 5G processor, combined with up to 48GB RAM and 512GB ROM, ensures powerful performance and ample storage.

5.8. Additional Features

- **170lm Dual-Beam Flashlight:** Powerful flashlight with SOS mode for emergencies.
- **Infrared Remote Control:** Control compatible electronic devices (TV, AC, projector).
- **Integrated Toolbox:** Includes tools like compass, sound meter, height measure, magnifier, and plumb bob.
- **Glove Mode 3.0:** Allows touchscreen operation while wearing gloves.

Your browser does not support the video tag.

Video 5.1: Demonstration of the OSCAL TANK 1's 170lm dual-beam flashlight, illuminating dark environments and showcasing its utility in outdoor settings.

6. MAINTENANCE

To ensure the longevity and optimal performance of your OSCAL TANK 1, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the device. Avoid harsh chemicals or abrasive materials. For water exposure, ensure all ports are dry before charging.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly install OTA (Over-The-Air) software updates to enhance performance, security, and add new features.
- **Battery Care:** Avoid fully discharging the battery frequently. For long-term storage, charge the battery to around 50-60%.

7. TROUBLESHOOTING

If you encounter issues with your OSCAL TANK 1, refer to the following common solutions:

Problem	Solution
Device does not power on	Ensure the battery is charged. Connect to the charger for at least 30 minutes. If still unresponsive, perform a forced restart (press and hold Power button for 10-15 seconds).

Problem	Solution
Slow performance or freezing	Close unused applications. Clear cache. Restart the device. Check for available software updates.
Cannot connect to Wi-Fi/5G	Toggle Wi-Fi/Mobile Data off and on. Restart the router/modem. Check network settings. Ensure SIM card is correctly inserted and activated.
Camera not working	Restart the device. Clear the Camera app's cache and data. Check app permissions.
Secondary screen unresponsive	Restart the device. Check for software updates.

If the problem persists, please contact OSCAL customer support for further assistance.

8. SPECIFICATIONS

Key technical specifications for the OSCAL TANK 1 5G Smartphone:

- **Brand:** OSCAL
- **Model Name:** OSCAL TANK 1 5G Telephone Incassable
- **Operating System:** Android 15
- **CPU Model:** MediaTek Dimensity 7050
- **CPU Speed:** 2.4 GHz
- **RAM:** 16 GB (expandable to 48 GB)
- **Internal Storage:** 512 GB (expandable up to 2 TB)
- **Main Screen Size:** 6.78 Inches
- **Main Screen Resolution:** 1080 x 2460
- **Refresh Rate:** 120 Hz
- **Secondary Screen Size:** 2.01 Inches
- **Main Camera Resolution:** 64 Megapixels
- **Connectivity:** Bluetooth, USB Type C, 5G, Wi-Fi 6, NFC, GPS
- **Battery Capacity:** 20000 mAh
- **Charging:** 55W Fast Charging
- **Special Features:** Rugged design (IP68/IP69K, MIL-STD-810H), Infrared Remote Control, Night Vision Camera, Dual-Beam Flashlight.

9. WARRANTY AND SUPPORT

OSCAL provides comprehensive support for your TANK 1 smartphone:

- **Official Warranty:** Enjoy a 2-year official warranty from the date of purchase.
- **Software Updates:** Receive regular OTA updates, with 3 years of Android updates (from Android 15 to 17) guaranteed.
- **Customer Support:** Access fast local assistance and an online support team for any issues or inquiries.
- **Returns:** Free returns and exchanges within 30 days of purchase.

Éclairage Robuste

Lampe de Poche Double Faisceau 170 lm + Stroboscope SOS



Jusqu'à 18 Mètres
Portée Maximale du Faisceau



Jusqu'à 45 Hrs
Éclairage Continu



Mode Lumière
/ Mode SOS



Opération en Une Touche



Pannes de Courant & Urgences



Camping en Plein Air



Travail de Nuit



Panne ou Réparation de Véhicule

Figure 9.1: OSCAL's commitment to customer satisfaction includes 24/7 assistance, 30-day free returns, and a 2-year after-sales support.