OSCAL Spider 10

OSCAL Spider 10 Rugged Tablet User Manual

Model: Spider 10

1. INTRODUCTION

The OSCAL Spider 10 is a rugged tablet designed for durability and performance in challenging environments. This manual provides essential information for setting up, operating, and maintaining your device.

Image 1.1: Front and back view of the OSCAL Spider 10 Rugged Tablet.

2. WHAT'S IN THE BOX

Verify that all items are present in your product packaging:

- 1x OSCAL Spider 10 Rugged Tablet
- 1x Charger (Wall Adapter)
- 1x USB-C to USB-C Charging Cable
- 1x OTG Adapter (USB-C to USB-A)
- 1x Stylus Pen
- 1x Hand Strap
- 1x Screwdriver (for hand strap installation)
- 4x Screws (for hand strap installation)
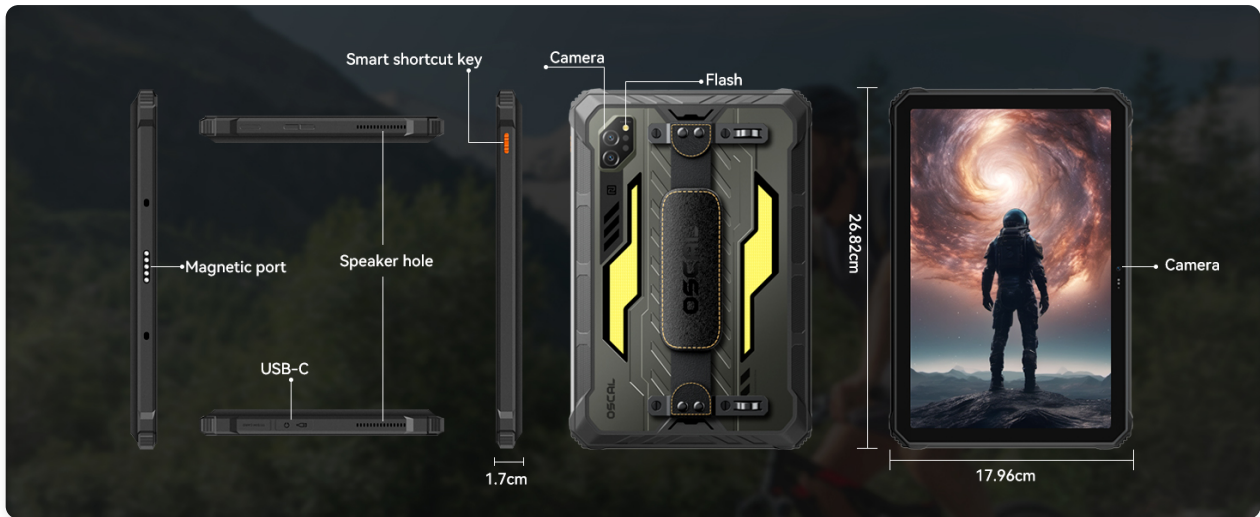- 1x SIM Ejector Tool

- 1x Quick Start Guide

Image 2.1: All items included in the OSCAL Spider 10 packaging.

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Video 2.1: An unboxing video demonstrating the contents of the OSCAL Spider 10 package and initial setup steps.

3. PRODUCT OVERVIEW

3.1. Physical Features

The OSCAL Spider 10 features a robust design with an 11-inch FHD+ IPS display. The device is equipped with multiple cameras and a powerful integrated lantern.

Image 3.1: Diagram illustrating the various ports and features of the OSCAL Spider 10.

3.2. Ports and Buttons

- **USB-C Port:** For charging and data transfer.
- **Headphone Jack:** For audio output.
- **SIM/TF Card Slot:** For inserting SIM cards and expandable storage.

- **Power Button:** Turns the device on/off and doubles as a fingerprint scanner.
- **Volume Buttons:** Adjusts audio volume.
- **Smart Shortcut Key:** Customizable button for quick access to functions.
- **Magnetic Port:** For accessories.
- **Speaker Holes:** Dual stereo speakers.

4. SETUP

4.1. Initial Charging

Before first use, fully charge your OSCAL Spider 10 using the provided charger and USB-C cable. The tablet supports 45W fast charging.

Image 4.1: The tablet connected to its 45W fast charger.

4.2. SIM and TF Card Installation

To install a SIM card or TF (microSD) card for expandable storage:

1. Locate the SIM/TF card slot on the side of the tablet.
2. Use the provided SIM ejector tool to open the tray.
3. Carefully place your SIM card(s) and/or TF card into the tray, ensuring correct orientation.
4. Gently push the tray back into the slot until it clicks into place.

4.3. Hand Strap Installation

The included hand strap can be attached to the back of the tablet for a secure grip:

1. Align the hand strap brackets with the screw holes on the back of the tablet.
2. Use the provided screwdriver and screws to securely fasten the strap to the tablet.

Enhanced 2.0GHz
Octa-core G81 Processor

2*A75@2.0GHz
Powerful Performance Cores

6*A55@1.7GHz
Power Efficiency Cores

251769
AnTuTu Benchmark

Image 4.2: The OSCAL Spider 10 with its padded leather hand strap attached.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Basic Navigation

Press and hold the Power button to turn the tablet on or off. Use the touchscreen for navigation, swiping, and tapping.

5.2. Android 15 Operating System

The OSCAL Spider 10 runs on Android 15 with DokeOS 4.2, offering enhanced convenience, fluency, privacy, and customization options.
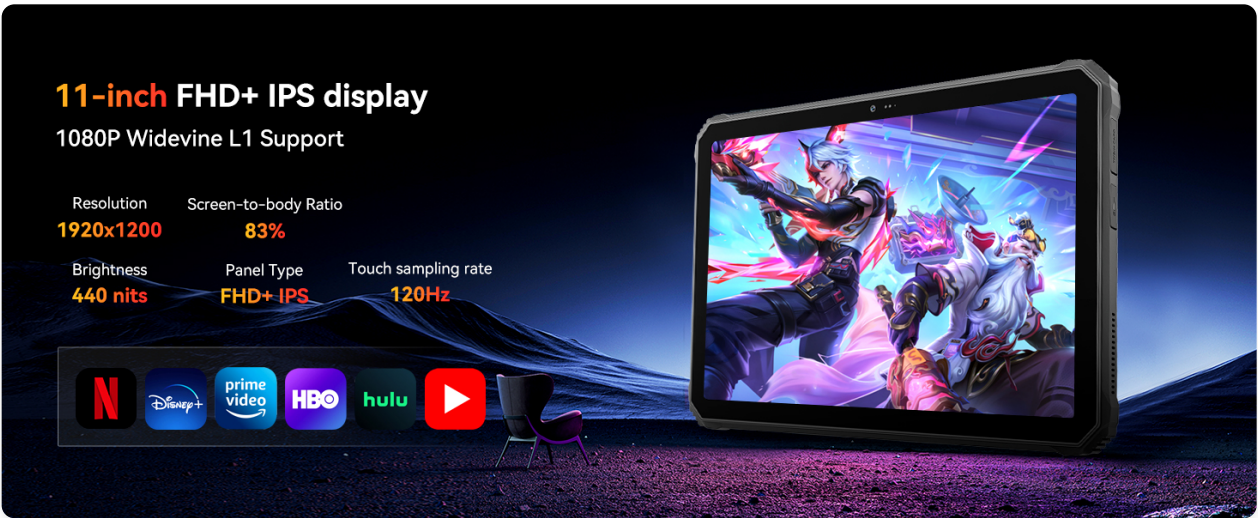

Image 5.1: Overview of DokeOS 4.2 features based on Android 15.

5.3. Camera Functions

The tablet features a 16MP rear camera, a 13MP front camera, and a 20MP ultra-clear night vision camera. The underwater camera mode allows for clear shots in wet conditions.

Image 5.2: Examples of photos taken with the OSCAL Spider 10 cameras.

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Video 5.1: Demonstration of the dual cameras and AI Sky Replacement feature.

Video 5.2: Demonstration of the Spider 10's night clarity features for enhanced safety in low-light conditions.

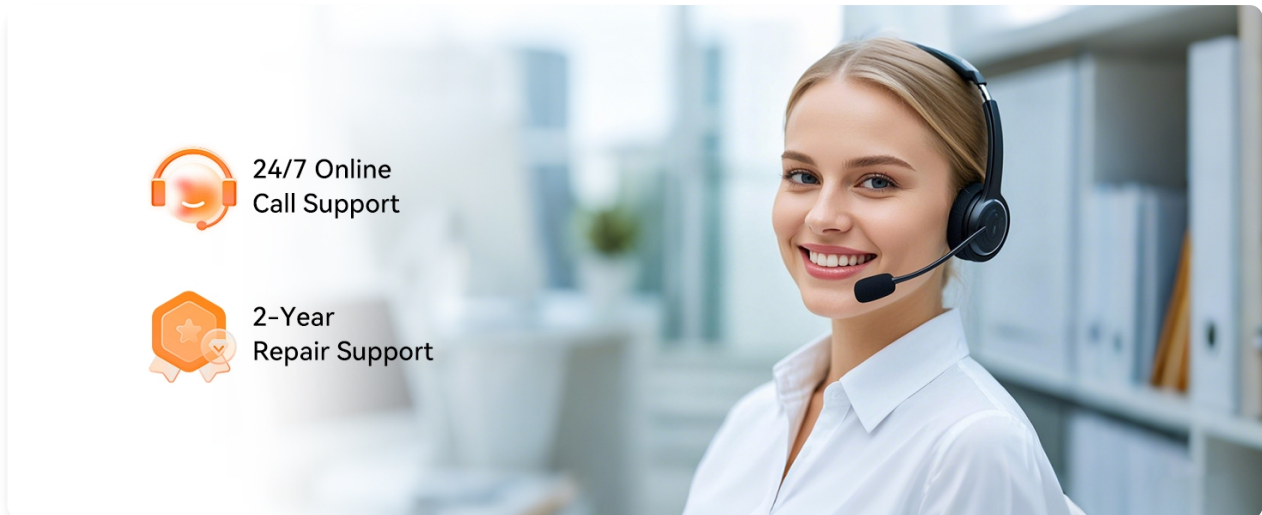24/7 Online
Call Support

2-Year
Repair Support

Image 5.3: The OSCAL Spider 10 capturing images underwater.

5.4. Ultra-Bright Lantern

Activate the 1100LM ultra-bright camping lantern from the quick settings or a customizable shortcut key. It offers multiple modes including low brightness, highlight, extremely bright, and quick flashing (SOS).

Image 5.4: The OSCAL Spider 10's 1100LM camping lantern in use for various outdoor activities.

Video 5.3: Demonstration of the Spider 10's 1100LM Ultra Bright Lantern feature.

6. DURABILITY FEATURES

The OSCAL Spider 10 is built to withstand harsh conditions:

- **MIL-STD-810H Certified:** Military-grade ruggedness for extreme environments.
- **IP68 & IP69K Certified:** Water and dust resistance, allowing immersion up to 1.5 meters for 30 minutes.

- **12m Drop Proof:** Designed to handle drops from up to 12 meters.
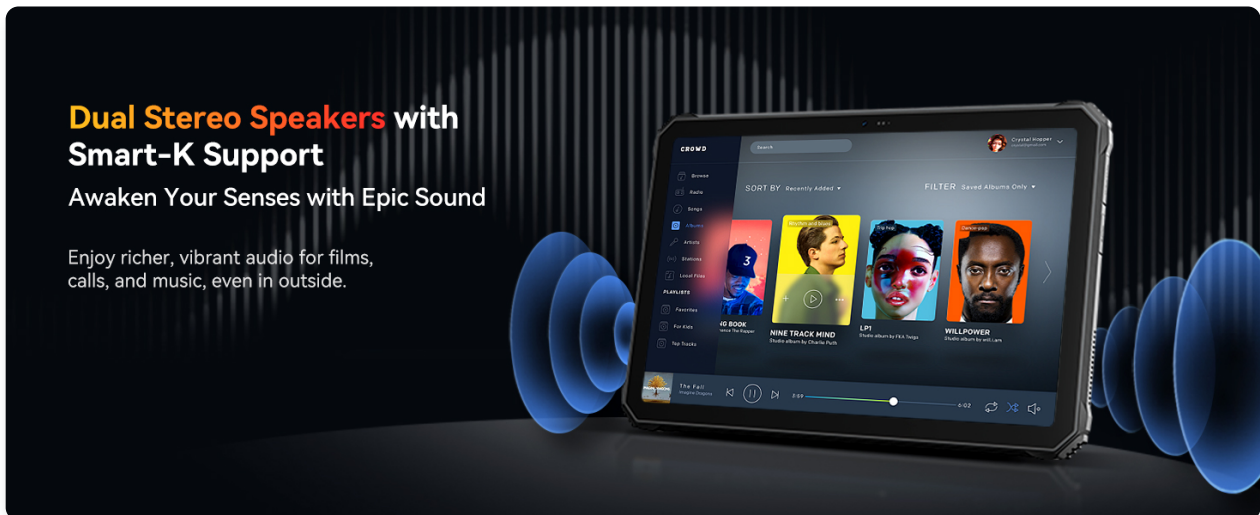- **Extreme Temperature Ranging:** Operates in temperatures from -20°C to 60°C.

Image 6.1: Overview of the OSCAL Spider 10's military-grade ruggedness and certifications.

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Video 6.1: Demonstration of the Spider 10's 12m drop-proof and IP69K waterproof capabilities.

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Video 6.2: An underwater battery life test for the Spider 10, showcasing its water resistance.

7. PERFORMANCE

7.1. Processor and Memory

The tablet is powered by an enhanced 2.0GHz Octa-core G81 Processor. It features up to 24GB RAM (8GB RAM + 16GB Expansion) and 256GB ROM, expandable up to 2TB via TF card.
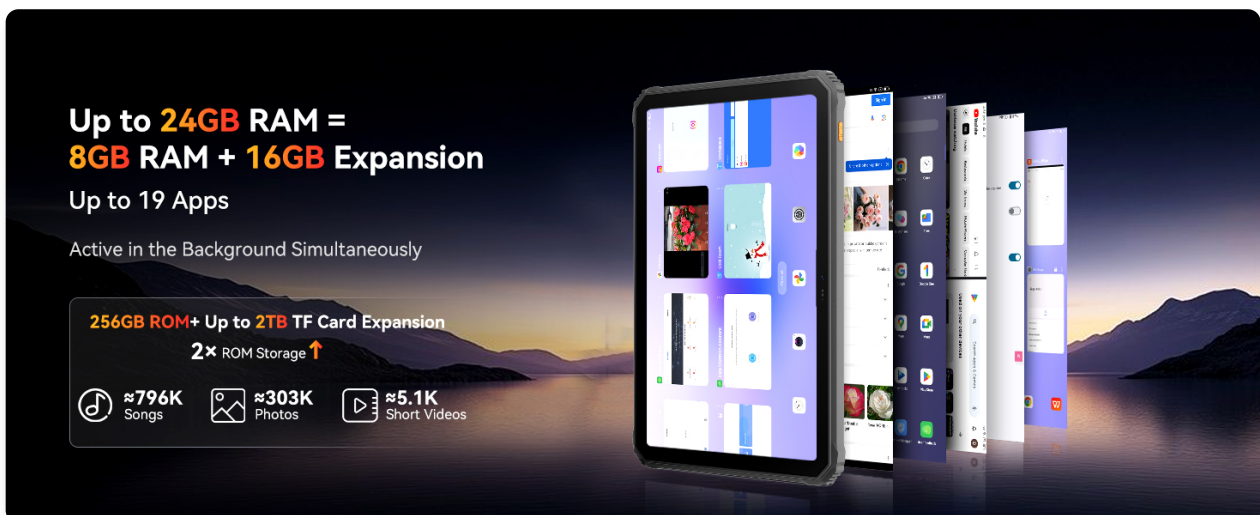

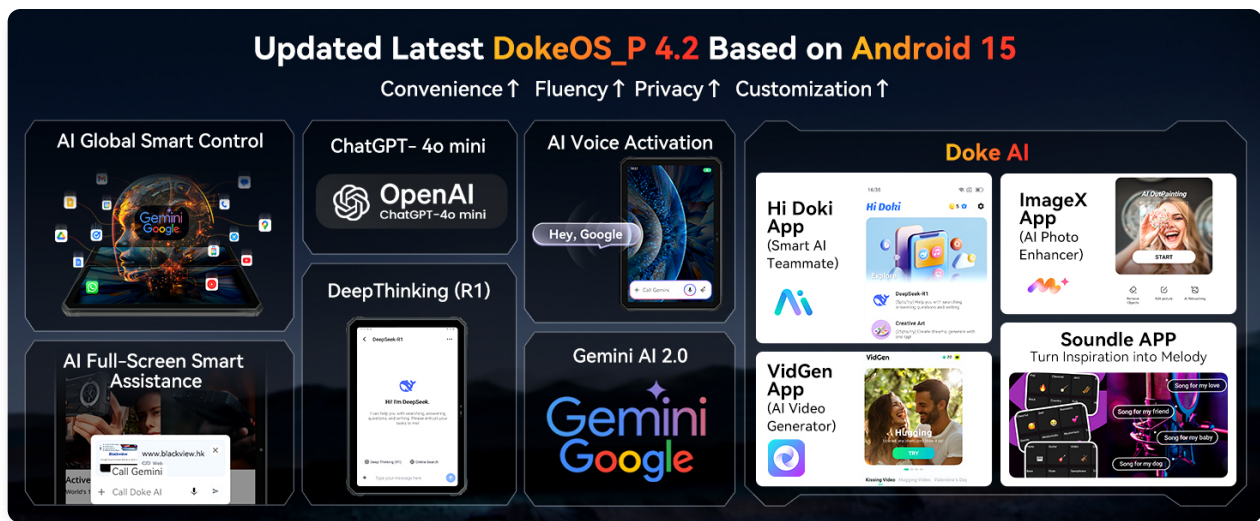*Image 7.1: Visual representation of the Octa-core G81 Processor.*

Image 7.2: Details on RAM and ROM capacity, including expansion options.

7.2. Display and Audio

Enjoy an 11-inch FHD+ IPS display with 1920x1200 resolution, 440 nits brightness, and 120Hz touch sampling rate. Dual stereo speakers with Smart-K support provide immersive audio.

Image 7.3: The 11-inch FHD+ IPS display, ideal for media consumption.

Image 7.4: The tablet's dual stereo speakers with Smart-K support for enhanced audio.

7.3. Battery Life

Equipped with a massive 20,000mAh ultra-capacity battery, the Spider 10 offers extended usage times, including up to 93 days standby, 198 hours music, 103 hours calling, and 29 hours video playback.

Image 7.5: Detailed battery life statistics and 5W reverse charging capability.

8. MAINTENANCE

To ensure the longevity and optimal performance of your OSCAL Spider 10:

- Regularly clean the screen with a soft, lint-free cloth.
- Ensure all port covers are securely closed when near water or dust to maintain IP68/IP69K rating.
- Avoid exposing the tablet to extreme temperatures beyond its specified operating range.
- Use only approved charging accessories.

9. TROUBLESHOOTING

9.1. Device Not Powering On

- Ensure the battery is charged. Connect the tablet to the charger for at least 30 minutes.
- Press and hold the Power button for 10-15 seconds to perform a forced restart.

9.2. Water/Dust Ingress

- If water or dust enters the device due to an open port, immediately power off the tablet.
- Dry the device thoroughly and ensure all ports are clean before attempting to power it on again.

9.3. Poor Performance

- Close unnecessary background applications.
- Clear cache data from apps.
- Ensure sufficient storage space is available.

10. SPECIFICATIONS

Feature	Specification
Brand	OSCAL
Model Name	Spider 10

Operating System	Android 15
Standing Screen Display Size	11 Inches
Max Screen Resolution	1920x1200
Processor Brand	MediaTek (Octa-core G81)
RAM	Up to 24 GB (8GB + 16GB Expansion)
Memory Storage Capacity	256 GB (Expandable up to 2TB)
Rear Webcam Resolution	16 MP (20MP Night Vision)
Front Webcam Resolution	13 MP
Battery Capacity	20,000 mAh
Fast Charging	45W
Durability	MIL-STD-810H, IP68, IP69K, 12m Drop Proof
Item Weight	2.36 pounds
Product Dimensions	10.56 x 7.07 x 0.67 inches

11. WARRANTY AND SUPPORT

OSCAL provides comprehensive support for its products:

- **24/7 Online Call Support:** Assistance is available around the clock.
- **2-Year Repair Support:** The product is covered by a two-year repair warranty.
- **30-Day Free Return & Exchange:** For initial product issues.

Image 11.1: Details on OSCAL's customer support and warranty offerings.

Related Documents - Spider 10

[OSCAL MARINE 2 Series Quick Start Guide: Setup, Features, Safety & Compliance](#)
Get started with your OSCAL MARINE 2 Series rugged smartphone. This guide covers device overview, inserting SIM/SD cards, powering on, messaging, language settings, vital safety precautions, maintenance tips, and CE compliance details.

[OSCAL PAD13 Tablet User Manual: Setup, Features, Safety & Maintenance](#)
Comprehensive user manual for the OSCAL PAD13 tablet. Learn how to insert SIM cards, boot up, send messages, manage language settings, understand safety precautions, and perform maintenance.

[OSCAL Tablet PAD70 User Manual and Safety Guide](#)
Comprehensive guide for the OSCAL PAD70 tablet, covering setup, usage, safety precautions, and maintenance. Learn how to insert SIM/TF cards, boot the device, send SMS/MMS, change languages, and understand safety guidelines for optimal and secure operation.

[OSCAL Tablet User Manual: Setup, Safety, and Maintenance](#)
Comprehensive user manual for the OSCAL Tablet, covering initial setup, language settings, safety precautions, and maintenance guidelines. Includes instructions on TF card insertion, device startup, and troubleshooting.

[Oscal Marine 1 Series Quick Start Guide](#)
A quick start guide for the Oscal Marine 1 Series smartphone, covering setup, basic functions, language settings, SAR information, safety precautions, maintenance, and certification.

[OSCAL Pad 10 Series Quick Start Guide](#)
Concise guide for setting up and using the OSCAL Pad 10 Series, including basic functions, safety precautions, and regulatory compliance information.