FOSSIBOT FOSSIBOT-F109-Lan

FOSSIBOT F109 Rugged Smartphone User Manual

Model: FOSSIBOT-F109-Lan

1. Introduction

The FOSSIBOT F109 is a robust and high-performance rugged smartphone designed for demanding environments and users. It features a powerful MediaTek Dimensity 6300 5G processor, a massive 10600mAh battery, and a unique dual-display design. Built to withstand harsh conditions, it boasts IP68/IP69K waterproof and dustproof ratings, along with MIL-STD-810H certification for durability.

This manual provides essential information on setting up, operating, maintaining, and troubleshooting your FOSSIBOT F109 smartphone to ensure optimal performance and longevity.



Figure 1.1: FOSSIBOT F109 Rugged Smartphone Overview

2. Setup Guide

2.1 Package Contents

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

- 1 x F109 Smartphone
- 1 x Type-C USB Cable
- 1 x 18W Charger
- 1 x SIM Tray Ejector
- 1 x Package Box

2.2 SIM Card and Storage Installation

The FOSSIBOT F109 supports Dual SIM and expandable storage up to 1TB.

1. Locate the SIM card tray on the side of the phone.
2. Insert the SIM tray ejector tool into the small hole next to the tray and push gently until the tray pops out.
3. Place your Nano SIM cards and/or TF (microSD) card into the designated slots on the tray. Ensure they are correctly oriented.
4. Carefully push the tray back into the phone until it clicks into place.

2.3 Initial Charging and Power On

It is recommended to fully charge the device before first use.

1. Connect the Type-C USB cable to the charging port at the bottom of the phone.
2. Connect the other end of the cable to the provided 18W charger and plug it into a power outlet.
3. Once sufficiently charged, press and hold the Power button (located on the side) until the FOSSIBOT logo appears on the screen.
4. Follow the on-screen prompts to complete the initial Android 14 setup, including language selection, Wi-Fi connection, and Google account setup.



Figure 2.1: Charging the FOSSIBOT F109 with 18W Fast Charging



Figure 2.2: Android 14 Operating System Interface

3. Operating Instructions

3.1 Main Display (6.745" HD+)

The F109 features a large 6.745-inch HD+ display with a resolution of 720x1600 pixels, offering a clear and immersive visual experience for browsing, media consumption, and gaming.

- **Navigation:** Use standard Android gestures (swipe, tap, pinch) to navigate the interface.
- **Brightness:** Adjust screen brightness from the quick settings panel or Display settings for optimal viewing in various lighting conditions.



Figure 3.1: FOSSIBOT F109 Main Display

3.2 Rear Display (1.32")

The innovative 1.32-inch secondary display on the back provides quick access to essential information and functions while conserving main screen battery life.

- **Notifications:** View incoming calls, messages, and other alerts without activating the main screen.
- **Music Control:** Play, pause, skip tracks directly from the rear display.
- **Time and Date:** Check the current time and date at a glance.
- **Camera Feed:** Use the rear display as a viewfinder for selfies with the main camera.
- **Compass:** Utilize the built-in compass function for navigation.



Figure 3.2: Functions of the 1.32-inch Rear Display

3.3 Camera Functions

Capture high-quality photos and videos with the F109's versatile camera system.

- **Main Camera:** 50MP AI Camera for detailed and vibrant shots.
- **Front Camera:** 16MP for clear selfies and video calls.
- **Macro Camera:** 5MP for precise close-up photography of small objects.
- **Photography Modes:** Explore various modes such as Mono, Video, Picture, Beauty, Bokeh, Night, Pro, and Macro for different shooting scenarios.
- **Underwater Camera:** Utilize the phone's waterproof capabilities to capture photos and videos underwater.



Figure 3.3: FOSSIBOT F109 Camera Features

3.4 Connectivity

The F109 offers comprehensive connectivity options:

- **5G Dual SIM:** Supports 5G networks for fast data speeds. (Note: Not compatible with AT&T, new Cricket, and Verizon. Confirm carrier compatibility before purchase.)
- **Wi-Fi:** Supports 2.4G/5G Wi-Fi for stable internet connection.
- **Bluetooth 5.2:** For connecting wireless accessories.
- **NFC:** For contactless payments (Google Pay) and quick pairing.
- **GPS:** Built-in GPS for navigation and location services.



Figure 3.4: NFC, Fingerprint Unlock, and Dual SIM Features

3.5 Security Features

- **Face ID:** Unlock your phone using facial recognition.
- **Fingerprint Unlock:** Securely unlock your device with the integrated fingerprint sensor.

3.6 OTG Reverse Charge

The F109's large battery allows it to function as a power bank for other devices using the OTG reverse charge feature. Connect compatible devices via a USB-C OTG cable (not included) to charge them.



Figure 3.5: OTG Reverse Charging Capability

3.7 Custom Button

The F109 features a customizable side button for quick access to frequently used apps or functions.

4. Maintenance

4.1 Durability Features

The FOSSIBOT F109 is built for extreme durability:

- **IP68 Waterproof:** Submersible up to 1.5 meters for 30 minutes.
- **IP69K Dustproof:** Provides 360° dust resistance, suitable for construction sites or desert environments.
- **MIL-STD-810H Certified:** Military-grade standard for drop resistance from 1.5 meters.
- **Dragontrail Glass:** The screen is protected by Dragontrail Glass, designed to withstand scratches and bumps.



Figure 4.1: FOSSIBOT F109 Rugged Design

Video 4.1: Demonstrating the FOSSIBOT F109's rugged and waterproof capabilities in outdoor environments.

4.2 Temperature Resistance

The F109 is designed to operate in a wide range of temperatures, from -20°C to 55°C, making it suitable for various climates.

4.3 Cleaning and Care

- Wipe the phone with a soft, damp cloth to remove dirt and grime.
- For stubborn stains, use a mild soap solution and rinse thoroughly.

- Ensure all port covers are securely closed before exposing the phone to water or dust.
- Avoid using harsh chemicals or abrasive materials for cleaning.

5. Troubleshooting

5.1 Common Issues and Solutions

Problem	Possible Cause	Solution
Phone does not power on	Low battery; software crash	Charge the phone for at least 30 minutes. Press and hold the power button for 10-15 seconds to force restart.
Cannot connect to network	Incorrect SIM installation; unsupported carrier; poor signal	Reinsert SIM card. Check carrier compatibility (AT&T, new Cricket, Verizon are not supported). Move to an area with better signal.
Battery drains quickly	Background apps; high screen brightness; network search	Close unused apps. Reduce screen brightness. Disable Wi-Fi/Bluetooth when not in use.
Screen unresponsive	Software glitch; physical damage	Force restart the phone. If issue persists, contact customer support.

6. Specifications

Detailed technical specifications for the FOSSIBOT F109 Rugged Smartphone:

- **Model Name:** FOSSIBOT F109
- **Operating System:** Android 14
- **Processor:** MediaTek Dimensity 6300 5G (Octa-core, 2.2GHz)
- **RAM:** 24GB (8GB + 16GB virtual)
- **Internal Storage:** 256GB ROM
- **Expandable Storage:** Up to 1TB via TF card
- **Main Display:** 6.745 inches HD+ (720 x 1600 resolution)
- **Rear Display:** 1.32 inches
- **Main Camera:** 50MP AI Camera
- **Front Camera:** 16MP
- **Macro Camera:** 5MP
- **Battery Capacity:** 10600mAh
- **Charging:** 18W Fast Charging
- **Talk Time:** 43 Hours
- **Standby Time:** Up to 25 Days

- **Connectivity:** 5G, Wi-Fi 2.4G/5G, Bluetooth 5.2, NFC, GPS
- **Durability:** IP68 Waterproof, IP69K Dustproof, MIL-STD-810H
- **Temperature Resistance:** -20°C to 55°C
- **Dimensions:** 11.81 x 7.87 x 1.97 inches (Package)
- **Item Weight:** 1.58 pounds

7. Warranty and Support

FOSSIBOT is committed to providing excellent customer service and support for your F109 Rugged Smartphone.

- **Return Policy:** FOSSIBOT offers a 30-day no-reason return policy from the date of purchase.
- **Technical Support:** Long-term technical support is available for all FOSSIBOT products.
- **Customer Service:** For any issues or inquiries during use, please contact FOSSIBOT customer service. We aim to reply within 24 hours and provide active solutions.

Choosing a FOSSIBOT smartphone ensures a safe shopping experience and professional customer service.

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