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DOOGEE BLADE20

DOOGEE V MAX Plus Rugged Smartphone 5G User Manual

MODEL: BLADE20

Your comprehensive guide to the DOOGEE V MAX Plus.

1. Introduction

The DOOGEE V MAX Plus is a robust and high-performance rugged smartphone designed for demanding environments and extended use. Featuring an exceptionally large battery, advanced camera system, and durable construction, it is built to withstand challenging conditions while providing a seamless user experience. This manual provides detailed instructions on setting up, operating, maintaining, and troubleshooting your device.



Figure 1: Front and back view of the DOOGEE V MAX Plus Rugged Smartphone.

2. Product Overview

2.1 Key Features

- **Massive 22000mAh Battery:** Offers up to 2350 hours of standby time and supports 33W fast charging.
- **High Performance:** Equipped with 36GB RAM (16GB physical + 20GB virtual) and 512GB internal storage, expandable up to 2TB via microSD.
- **Advanced Camera System:** Features a 200MP main camera, 32MP front camera, 20MP night vision camera,

50MP wide-angle camera, and 8MP telephoto camera.

- **Rugged Durability:** IP68/IP69K waterproof and MIL-STD-810H shockproof and dust-proof for 360° protection.
- **Vibrant Display:** 6.58-inch FHD+ IPS display with 1080x2408 resolution and a 120Hz adaptive refresh rate.
- **Android 14 OS:** Provides enhanced privacy, security, and personalized settings.
- **Intelligent Interaction Lights:** Customizable LED lights for notifications, calls, and charging.
- **Dual SIM 5G Support:** For versatile connectivity.
- **Connectivity:** Supports Wi-Fi 6, NFC, GPS (GPS, Glonass, Galileo, Beidou, AGPS).

2.2 Components

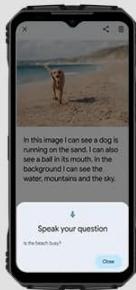
The DOOGEE V MAX Plus features a robust exterior with strategically placed components for optimal functionality and durability.

- **Front:** 6.58-inch FHD+ display, 32MP front camera, earpiece.
- **Rear:** 200MP main camera, 20MP night vision camera, 8MP wide-angle camera, LED flash, intelligent interaction lights, DOOGEE branding.
- **Sides:** Power button with integrated fingerprint sensor, volume up/down buttons, customizable function button, SIM card/microSD slot, USB-C charging port.

The Latest Android 14 System



AI technology



Material You+Design



lock screen clock



Predict back gesture

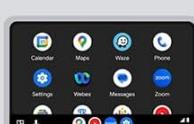


Figure 2: The DOOGEE V MAX Plus running Android 14.

3. Setup

3.1 SIM Card and MicroSD Card Installation

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 the gold contacts are facing down.
4. Gently push the tray back into the device until it clicks into place.



Figure 3: Dual SIM card slot and other connectivity features.

3.2 Initial Charging

Before first use, fully charge your DOOGEE V MAX Plus. Connect the USB-C cable to the phone's charging port and

the other end to a compatible 33W fast charger. The intelligent interaction lights will indicate charging status.

22000mAh Mega Battery

Monster-like Power to Support All Your Tasks



33W

Fast Charging



OTG

Reverse Charging



1540 Hours

of Outdoor Activities



Figure 4: The 22000mAh Mega Battery and 33W fast charging capability.

4. Operating Instructions

4.1 Display and Navigation

The 6.58-inch FHD+ display offers a smooth visual experience with its 120Hz adaptive refresh rate. Navigate the Android 14 interface using touch gestures. Swipe down from the top for notifications and quick settings, swipe up for the app drawer, and use the navigation bar or gestures for home, back, and recent apps.

6.58" FHD+ Display



1080*2408
FHD+



20:9
Aspect Ratio



Corning
Gorilla Glass



Figure 5: The 6.58-inch FHD+ 120Hz display.

4.2 Camera Functions

The DOOGEE V MAX Plus is equipped with a versatile camera system:

- **200MP Main Camera:** For high-resolution photos with exceptional detail.
- **32MP Front Camera:** Ideal for clear selfies and video calls.
- **20MP Night Vision Camera:** Utilizes infrared for clear images in low-light or complete darkness.
- **8MP Wide-angle Camera:** Captures expansive landscapes and group shots.

Open the Camera app to switch between modes (Photo, Video, Night Vision, Pro, Beauty, Panorama, Portrait, Mono, HDR) and adjust settings.

200MP Ultra-clear Main Camera



Figure 6: The 200MP Ultra-clear Main Camera and other camera capabilities.

4.3 Intelligent Interaction Lights

The rear intelligent interaction lights can be customized to display different colors (red, green, blue) for various scenarios such as incoming calls, SMS notifications, music playback, and charging status. Configure these settings in the phone's system preferences.

Video 1: Demonstration of the DOOGEE V MAX Plus's intelligent interaction lights and other features.

4.4 Other Features

- **Side Fingerprint Recognition:** Unlock your device quickly and securely using the side-mounted fingerprint sensor.
- **NFC:** For contactless payments and quick pairing with compatible devices.
- **OTG Function:** Use your phone as a power bank to charge other devices.
- **Dual Speaker Performance:** Enjoy high-quality audio output.

5. Maintenance

5.1 Durability Features

The DOOGEE V MAX Plus is engineered for extreme durability, meeting IP68/IP69K and MIL-STD-810H standards. This means it is:

- **Waterproof:** Can withstand submersion in water up to 1.5 meters for 30 minutes.
- **Dust-proof:** Fully protected against dust ingress.
- **Shockproof:** Designed to resist drops from up to 1.8 meters onto concrete.

While highly durable, avoid intentional abuse or exposure to extreme conditions beyond specified limits to ensure longevity.

5.2 Cleaning and Care

To clean your device, wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials. Ensure all port covers are securely closed before exposing the phone to water or dust.

6. Troubleshooting

6.1 Common Issues and Solutions

Issue	Possible Cause	Solution
No network signal / Carrier incompatibility	Phone not compatible with carrier's frequency bands.	Verify carrier frequency bands (GSM:B2/3/5/8, CDMA:BC0/BC1/BC10, WCDMA:B1/2/4/5/6/8/19, TDD:B34/38/39/40/41, FDD:B1/2/3/4/5/7/8/12/17/18/19/20/25/26/28A/28B/66, NR:N1/N3/N7/N28/N38/N41/N77/N78/N79). Only T-Mobile is fully supported in the US. Contact your carrier for compatibility.
Device feels heavy	Due to large battery and rugged construction.	This is a characteristic of rugged phones with large batteries. It's a trade-off for enhanced durability and battery life.
Slow performance	Too many apps running, low storage.	Close background apps, clear cache, free up storage, or restart the device.
Battery not charging	Faulty cable/charger, dirty port.	Try a different cable/charger. Clean the charging port gently. Ensure the port cover is fully open during charging.

6.2 Factory Reset

If issues persist, a factory reset may be necessary. **Warning:** This will erase all data on your phone. Back up important data before proceeding. Go to Settings > System > Reset options > Erase all data (factory reset).

7. Specifications

Feature	Specification
Model Name	BLADE20 (VMAX Plus)
Operating System	Android 14
Processor	MediaTek Dimensity 7050 5G Octa-core
RAM	36 GB (16GB physical + 20GB extended)
Internal Storage	512 GB (expandable up to 2TB with microSD)
Display Size	6.58 Inches
Display Resolution	1080 x 2408 FHD+
Refresh Rate	120Hz Adaptive
Main Camera	200 MP
Front Camera	32 MP
Night Vision Camera	20 MP
Battery Capacity	22000 mAh
Fast Charging	33W
Durability Ratings	IP68, IP69K, MIL-STD-810H
Connectivity	5G, Wi-Fi 6, NFC, Bluetooth
Navigation	GPS, Glonass, Galileo, Beidou, AGPS
Dimensions	4.09 x 2.05 x 7.64 inches
Item Weight	1.01 pounds (approx. 458 grams)

8. Warranty and Support

DOOGEE stands behind the quality of its products. Your DOOGEE V MAX Plus comes with the following:

- 30-Day Money Back Guarantee:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund.
- 2-Year Limited Warranty:** Covers manufacturing defects and malfunctions under normal use.
- 24/7 Online Support:** Access to customer service for assistance with any questions or issues.

For warranty claims or technical support, please visit the official DOOGEE website or contact their customer service directly.

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