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› DOOGEE Blade 20 Play 5G Rugged Smartphone User Manual

DOOGEE BLADE20PLAY

DOOGEE Blade 20 Play 5G Rugged Smartphone User Manual

Model: BLADE20PLAY | Brand: DOOGEE

1. INTRODUCTION

The DOOGEE Blade 20 Play is a robust 5G rugged smartphone designed for durability and high performance. Featuring a powerful Dimensity 7050 Octa Core processor, a massive 10300mAh battery, and advanced camera capabilities including a 50MP AI main camera and 20MP night vision, this device is built to withstand challenging environments while providing a seamless user experience. Its 125dB Thunder Speaker with LED light effects enhances both audio and visual interaction. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1.1: DOOGEE Blade 20 Play 5G Rugged Smartphone (Red variant shown).

2. WHAT'S IN THE BOX

Please check the contents of your package. If any items are missing or damaged, contact customer support.

- 1 x DOOGEE Blade 20 Play Cellphone
- 1 x Type-C USB Cable
- 1 x Charger / 1 x Anti-explosion film
- 1 x Packing Box / 1 x Manual
- 1 x Warranty Card

3. SPECIFICATIONS

Feature	Description
Model	BLADE20PLAY
Dimensions	3.2 x 0.62 x 6.85 inches
Weight	1.34 pounds
Operating System	Android 15
Processor	MediaTek Dimensity 7050 Octa Core (2.6 GHz CPU Speed)
RAM	32GB (8GB physical + 24GB virtual)
Internal Storage	256GB (Expandable up to 2TB via TF card)
Display	6.6-inch HD+ IPS Punch-hole Display, 90Hz Refresh Rate
Main Camera	50MP AI Camera
Night Vision Camera	20MP Infrared Night Vision Camera
Front Camera	16MP
Battery	10300mAh, 33W Fast Charging, OTG Reverse Charging
Speaker	125dB Thunder Speaker with LED Light Effect
Durability	IP68/IP69K, MIL-STD-810H (Water-proof, Drop-proof, Dust-proof)
Connectivity	5G, Wi-Fi 6, NFC, GPS, Glonass, Galileo, Beidou
Security	Face ID, Side Fingerprint Unlock
SIM Card Slot	Triple Card Slot (2 SIM Cards + 1 TF Card)

4. SETUP

4.1 Initial Charging

Before first use, fully charge your DOOGEE Blade 20 Play. Connect the provided Type-C USB cable to the phone's charging port and the charger to a power outlet. The phone supports 33W fast charging for quick power-ups. A full charge of the 10300mAh battery can provide extended usage.

Charge Half Day Power, During a Coffee Break

33W Fast Charging

Spend Less Time on Charging



An Emergency Power Bank for You

Support Reverse Charging

Out of Battery during Night Hiking, Share Power to Navigation



Figure 4.1: The phone supports 33W fast charging and can act as an emergency power bank.

4.2 SIM and TF Card Installation

The DOOGEE Blade 20 Play features a triple card slot, allowing for two SIM cards and one TF (microSD) card simultaneously. Use the provided SIM ejector tool to open the card tray. Carefully place your SIM cards and TF card into their respective slots, ensuring correct orientation. Close the tray securely.

4.3 Powering On/Off

- **To Power On:** Press and hold the Power button (located on the side) until the DOOGEE logo appears.
- **To Power Off:** Press and hold the Power button until the power options menu appears, then select 'Power Off'.
- **To Restart:** Press and hold the Power button until the power options menu appears, then select 'Restart'.

4.4 Initial Setup

Upon first power-on, follow the on-screen prompts to complete the initial setup. This includes selecting your language, connecting to Wi-Fi, setting up your Google account, and configuring security features like Face ID or fingerprint unlock.

5. OPERATING INSTRUCTIONS

5.1 Display and Navigation

The phone features a 6.6-inch HD+ IPS punch-hole display with a 90Hz refresh rate for smooth visuals. Navigate the interface using touch gestures. Swipe down from the top for notifications and quick settings. Use the navigation bar or gesture navigation as configured in settings.

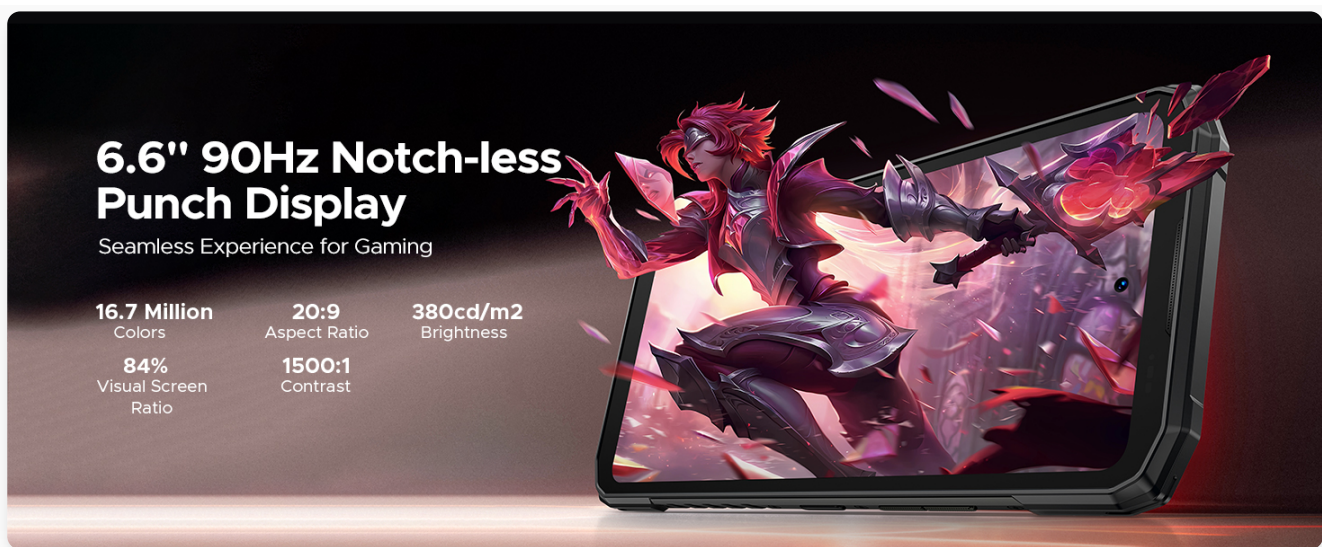


Figure 5.1: The 6.6-inch 90Hz Notch-less Punch Display provides a seamless visual experience.

5.2 Performance and Storage

Powered by the MediaTek Dimensity 7050 5G Octa Core processor and 32GB RAM (8GB physical + 24GB virtual), the Blade 20 Play ensures smooth multitasking and gaming. The 256GB internal storage can be expanded up to 2TB with a TF card (sold separately), providing ample space for your files and applications.



Figure 5.2: The Dimensity 7050 5G Octa-core Processor ensures powerful performance.

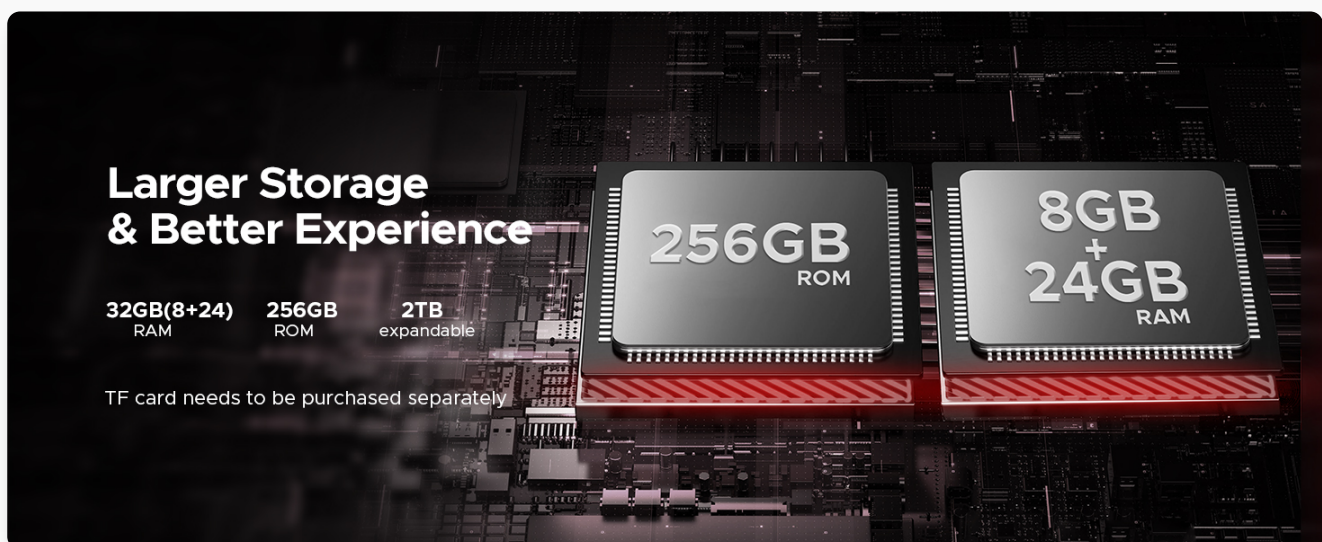


Figure 5.3: The phone offers 32GB RAM and 256GB ROM, expandable up to 2TB.

5.3 Camera Features

Capture high-quality photos and videos with the versatile camera system:

- **50MP AI Main Camera:** Delivers vibrant and ultra-clear photos in various settings.
- **20MP Infrared Night Vision Camera:** Allows for clear imaging in complete darkness, ideal for outdoor exploration or security.
- **16MP Front Camera:** For high-quality selfies and video calls.

Explore various camera modes such as Multi-frame Noise Reduction, Anti-flicker, Wide-angle Distortion correction, Time-lapse, Pro Mode, Beauty Mode, Portrait Mode, Burst Mode, HDR, and Panoramic Mode. The AI Recognition feature can automatically identify 12 independent scenarios for optimized shooting. The Google Intelligent Camera offers features like view search, text extraction, plant/animal identification, and e-commerce search.

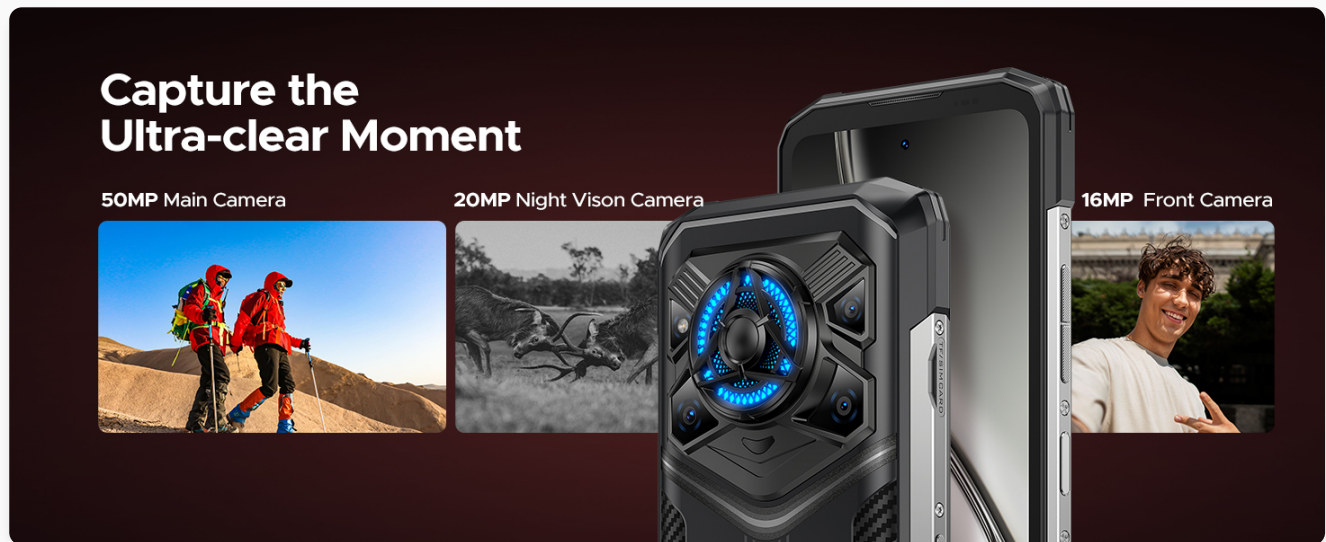


Figure 5.4: The phone's camera system includes 50MP Main, 20MP Night Vision, and 16MP Front cameras.



Figure 5.5: The 20MP Night Vision Camera allows you to see clearly in the dark.

Underwater Camera

Unlock Different Perspectives of Life



Figure 5.6: The phone supports underwater photography, allowing for unique perspectives.

5.4 Audio and Lighting Effects

The 125dB Thunder Speaker with a 36mm driver and 11.5cc sound cavity delivers powerful, immersive audio. The dynamic LED lighting effects on the back of the phone can sync with music or notifications, adding a customizable visual flair.

Your browser does not support the video tag.

Video 5.1: Demonstration of the 125dB Speaker with Light effects on the DOOGEE Blade 20 Play.

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Video 5.2: A closer look at the 125dB Thunder Speaker and its lighting effects.

125dB Thunder Speaker, Immersive Hi-Fi audio

Engineered with a robust 36mm driver and an expansive 11.5cc resonance chamber, this full-range vibration speaker achieves 125dB peak SPL through its 3.5W amplified architecture

125dB
Max Loudness

11.5CC
Sound Cavity

3.5W
Peak Wattage

36mm
Giant Driver

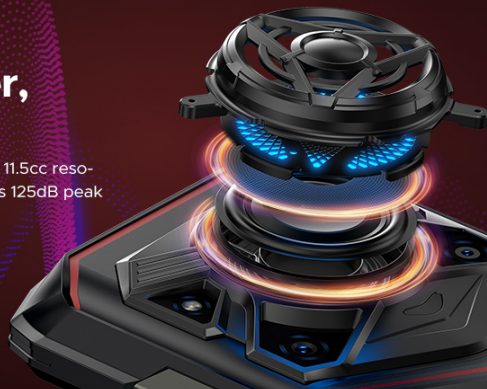


Figure 5.7: Detailed view of the 125dB Thunder Speaker's components and capabilities.

5.5 Connectivity

- **5G Network:** Enjoy ultra-fast mobile data speeds.
- **Wi-Fi 6:** Provides faster and more stable wireless network performance.
- **NFC:** Supports contactless payments and smart access control.
- **GPS:** Integrated GPS, Glonass, Galileo, and Beidou for accurate navigation.



Figure 5.8: The phone supports Wi-Fi 6 for blazing fast and stable internet connectivity.

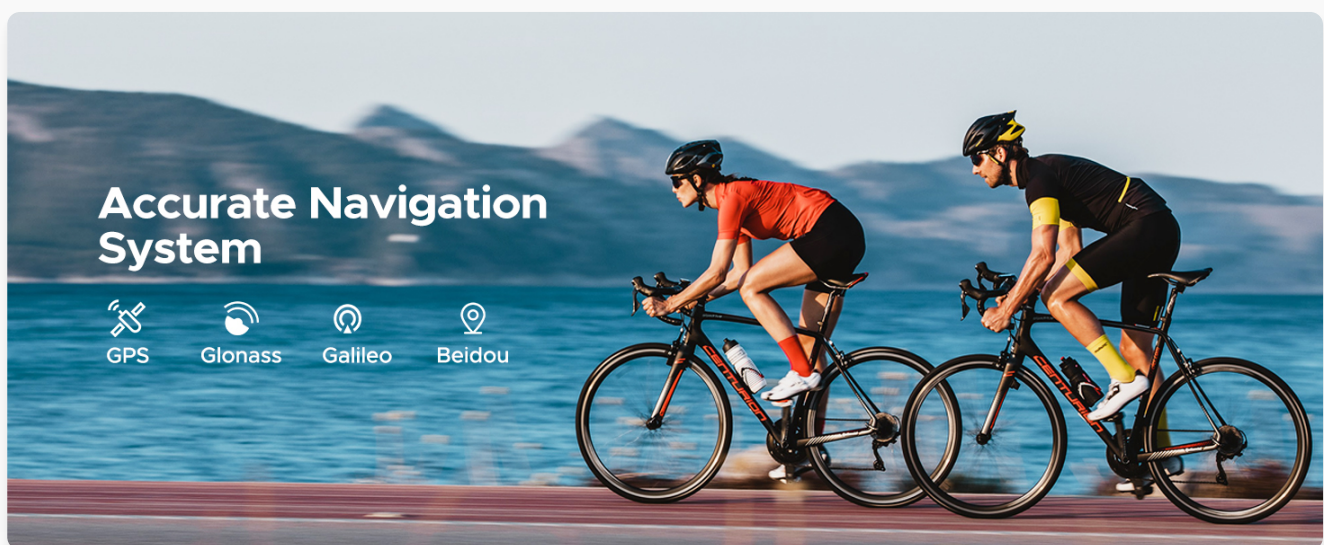


Figure 5.9: The phone features an accurate navigation system with support for multiple satellite constellations.



Figure 5.10: NFC functionality provides convenient contactless payments and access control.

5.6 Security Features

Unlock your phone quickly and securely using:

- **Face ID:** Unlocks in approximately 0.1 seconds.

- **Side Fingerprint Unlock:** A convenient and reliable method for authentication.



Figure 5.11: The phone supports both Face ID and side-mounted fingerprint unlock for secure access.

5.7 Durability

The DOOGEE Blade 20 Play is engineered to survive extreme conditions, boasting IP68/IP69K waterproofing and MIL-STD-810H military-grade durability. This means it is water-proof, drop-proof, and dust-proof, making it suitable for rugged environments.



Figure 5.12: The phone's military-grade durability ensures resistance to water, drops, and dust.

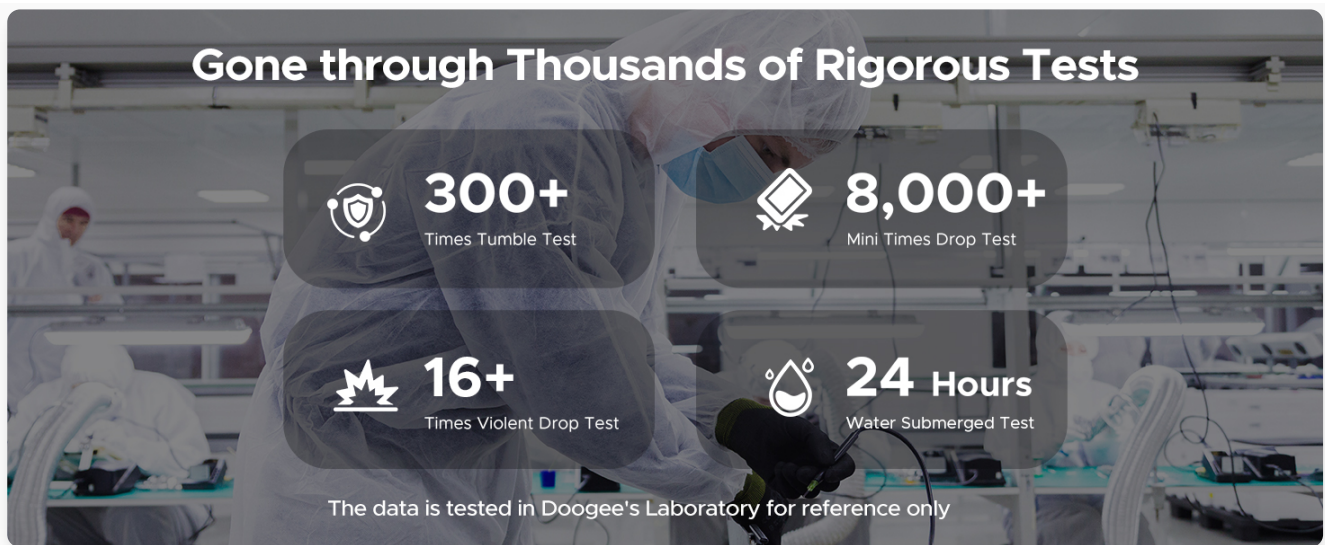


Figure 5.13: The phone has undergone extensive testing, including tumble, drop, and water submersion tests.

5.8 Battery Management

The 10300mAh battery provides extended usage times. In addition to 33W fast charging, the phone supports OTG reverse charging, allowing you to use it as a power bank to charge other devices.

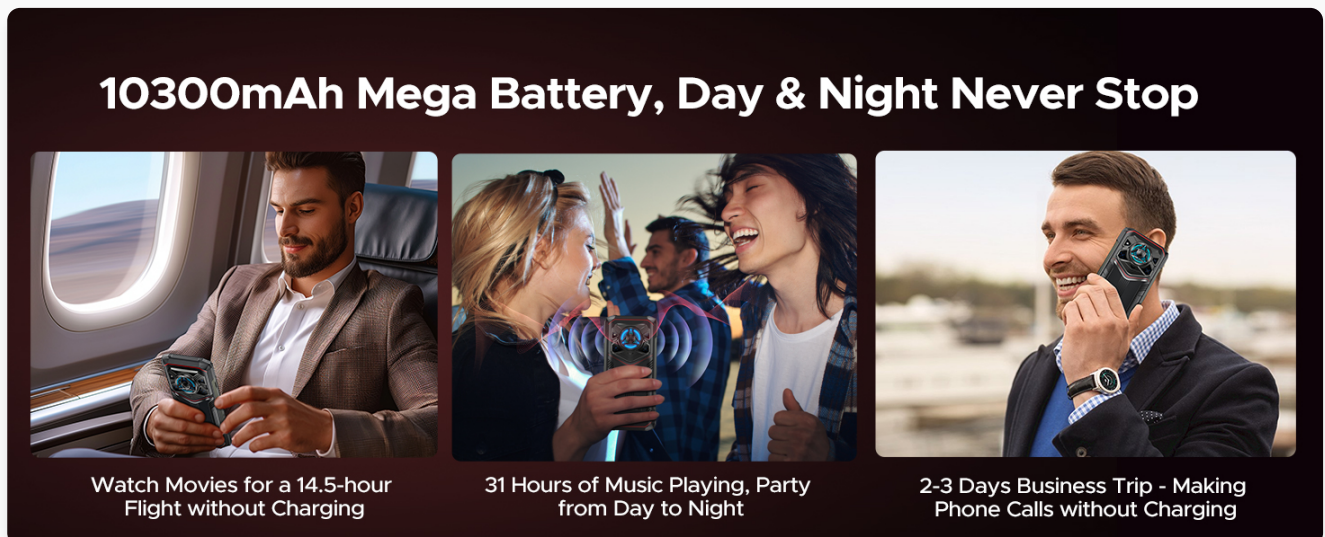


Figure 5.14: The 10300mAh mega battery provides long-lasting power for various activities.

5.9 AI Features (Gemini AI)

The built-in Gemini AI enhances various aspects of your phone usage:

- **Content Creation:** Assists in generating stories, poems, advertising copy, and images based on descriptions.
- **Image Analysis:** Features object recognition, scene understanding, visual relationship reasoning, and text extraction.
- **Smart AI Functions:** Includes AI Erase for removing unwanted objects from photos and AI Digital Human for generating digital human images.
- **Gemini Live:** Offers conversational interaction and functional applications.

Built-in Gemini AI, Easier Work & Life

Content Creation

Assist in creating stories, poems, advertising copy, and other text content, and generate images based on descriptions.



Image Analysis

Object Recognition
Scene Understanding
Visual Relationship Reasoning
Text Extraction and
Understanding of Images

Figure 5.15: Gemini AI is integrated to make work and life easier through various intelligent functions.

Smart AI Functions

AI Erase



Before



In



After

Figure 5.16: AI Erase allows for easy removal of unwanted elements from your photos.

5.10 Glove Mode 2.0

The phone features Glove Mode 2.0 with 30% upgraded sensitivity, allowing you to operate the touchscreen even while wearing gloves. This is particularly useful in cold weather or industrial environments.

Glove Mode 2.0

30% Sensitivity Upgraded



Pick up phone calls



Capturing



Navigation



Figure 5.17: Glove Mode 2.0 enhances touchscreen sensitivity for use with gloves.

6. MAINTENANCE

To ensure the longevity and optimal performance of your DOOGEE Blade 20 Play, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and body. For stubborn dirt, slightly dampen the cloth with water. Avoid harsh chemicals or abrasive materials.
- **Environmental Conditions:** While rugged, avoid exposing the phone to extreme temperatures (hot or cold) for prolonged periods. Do not intentionally submerge the phone in corrosive liquids.
- **Software Updates:** Regularly check for and install system updates to ensure your phone has the latest security patches and performance improvements.
- **Charging:** Use only the original charger and cable provided. Avoid overcharging or completely draining the battery frequently.
- **Storage:** If storing the phone for an extended period, charge it to about 50% and power it off. Store in a cool, dry place.

7. TROUBLESHOOTING

If you encounter issues with your DOOGEE Blade 20 Play, refer to the following common solutions:

- **Phone not turning on:** Ensure the battery is charged. Connect to the charger and wait a few minutes before attempting to power on again.
- **Screen unresponsive:** Try restarting the phone by holding the Power button for about 10-15 seconds until it reboots.
- **Network issues (no signal/slow data):** Check if airplane mode is off. Verify SIM card installation. Try restarting the phone. Contact your carrier to confirm network coverage in your area.
- **Camera not working:** Close and reopen the camera app. Restart the phone. Check app permissions for the camera.
- **Speaker issues (no sound/low volume):** Check volume settings. Ensure the speaker is not blocked by debris. Restart the phone.
- **Apps crashing/freezing:** Clear the cache of the problematic app (Settings > Apps > [App Name] > Storage > Clear Cache). If the issue persists, uninstall and reinstall the app.
- **Battery draining quickly:** Reduce screen brightness, disable unnecessary background apps, turn off Wi-Fi/Bluetooth/GPS when not in use. Check battery usage in Settings to identify power-hungry apps.

If the problem persists after trying these steps, please contact DOOGEE customer support.

8. WARRANTY AND SUPPORT

Your DOOGEE Blade 20 Play comes with comprehensive support and warranty coverage:

- **30-Days Money Back Guarantee and Free Return:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund.
- **2-Years Limited Warranty:** The device is covered by a 2-year limited warranty against manufacturing defects. Please refer to the included Warranty Card for detailed terms and conditions.
- **24/7 One-on-One Online Support:** For any technical assistance or inquiries, DOOGEE offers 24/7 online customer support.

For further assistance, please visit the official DOOGEE website or contact their customer service channels as provided in your warranty information.

