DOOGEE S110

DOOGEE S110 Rugged Smartphone User Manual

Model: DOOGEE S110 Rugged Smartphone

Brand: DOOGEE

1. PRODUCT OVERVIEW

The DOOGEE S110 is a rugged smartphone designed for durability and high performance. It features a robust build, a large battery, advanced camera capabilities, and a unique rear display for convenient access to key information.

Figure 1.1: Front and rear view of the DOOGEE S110 Rugged Smartphone, highlighting its robust design and the innovative circular rear display.

Key Features:

- **Memory & Storage:** 22GB RAM (12GB physical + 10GB virtual) and 256GB ROM, expandable up to 2TB via TF card.
- **Battery & Charging:** 10800mAh large battery with 66W super fast charging, supporting reverse charging.
- **Display:** 6.6-inch FHD+ 120Hz refresh rate main display and a 1.09-inch innovative rear display.
- **Cameras:** 50MP main camera, 24MP night vision camera, 32MP front camera, and 16MP 120° ultra-wide-angle macro camera.

- **Durability:** IP68/IP69K water, dust, and drop-resistant (MIL-STD-810H certified).
- **Operating System:** Latest Android 13.
- **Processor:** Helio G99 Octa-Core processor.
- **Connectivity:** Dual SIM 4G, NFC, Bluetooth 5.2, Wi-Fi 2.4G/5G, GPS (GPS/Glonass/Galileo/Beidou).
- **Audio:** 2 Hi-res Stereo Speakers.
- **Security:** Face recognition and side fingerprint recognition.

2. SETUP GUIDE

2.1 Package Contents

Ensure all items are present in the box:

- DOOGEE S110 Rugged Smartphone
- USB Cable
- Power Adapter (if included, not explicitly listed but implied by 66W charging)
- SIM Ejector Tool (if applicable)

2.2 SIM Card and TF Card Installation

The DOOGEE S110 supports Dual SIM 4G and TF card expansion up to 2TB.

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

Figure 2.1: Illustration of SIM card tray and supported connectivity features like Dual 4G SIM, Wi-Fi, and Bluetooth 5.2.

2.3 Initial Charging

Before first use, it is recommended to fully charge the device.

- Connect the USB cable to the phone's charging port.
- Connect the other end of the USB cable to the power adapter, then plug the adapter into a power

outlet.

- The phone supports 66W super fast charging, allowing it to charge from 0% to 50% in approximately 30 minutes.

66w Type C Super Fast Charging

10800mAh Massive Battery

| OTG Reverse Charging | Normal use 3-5 days | 960H Standby | 50H Calling | 60H Music | 28H Video |

Figure 2.2: Visual representation of the 10800mAh battery and 66W fast charging capability, showing estimated usage times.

2.4 Power On and Initial Setup

1. Press and hold the Power button until the DOOGEE logo appears.
2. Follow the on-screen prompts to complete the initial setup, including language selection, Wi-Fi connection, Google account login, and security settings.
3. The phone runs on Android 13, offering a personalized and secure user experience.

Figure 2.3: Examples of the user interface running on the latest Android 13 OS.

3. OPERATING INSTRUCTIONS

3.1 Main Display Usage

The 6.6-inch FHD+ display with a 120Hz refresh rate provides a smooth and immersive visual experience.

- **Navigation:** Use gestures or the traditional navigation bar at the bottom of the screen.
- **Brightness:** Adjust screen brightness from the quick settings panel by swiping down from the top of the screen.
- **Refresh Rate:** The 120Hz refresh rate enhances scrolling and gaming fluidity.

Figure 3.1: The 6.6-inch FHD+ INCELL IPS Waterdrop display, showcasing its vibrant visuals and durable Corning Gorilla Glass.

3.2 Innovative Rear Display

The 1.09-inch rear display offers quick access to essential functions without needing to open the main screen.

- **Activation:** Double-click the rear display, flip the phone, or synchronize with the main screen to activate it.
- **Functions:**
  - Check battery level.
  - Accept or cancel incoming calls.

- Cancel/snooze alarms.
- Control music playback (play/pause/switch).
- View notifications and reminders.
- Quick photo capture.

- **Customization:** The rear display supports up to 23 kinds of styles for personalization.

The Industry-Leading Technology for Rear Display

Personalized outdoor operating experience

Check battery level

Accept/cancel call

Cancel/snooze out the alarm

Play/pause/switch music

Notifications & reminders

Quick photo capture

Figure 3.2: The innovative rear display showcasing its various functionalities for quick access to information and controls.

Custom Cover Screen

The rear display supports up to 23 kinds of styles.
Explore the endless possibilities of the DOOGEE S110.

Figure 3.3: A selection of customizable styles and watch faces available for the rear display.

3.3 Camera Operation

The DOOGEE S110 is equipped with a versatile camera system for various photography needs.

- **Main Camera (50MP):** For high-resolution photos in various conditions.
- **Night Vision Camera (24MP):** Captures stunning monochrome photos in low-light or complete darkness.
- **Front Camera (32MP):** Ideal for selfies and video calls, ensuring clarity and detail.
- **Ultra-Wide Angle Macro Camera (16MP, 120°):** For expansive landscape shots and detailed close-ups.

Figure 3.4: Detailed breakdown of the DOOGEE S110's camera specifications, including 32MP front, 50MP main, 24MP infrared night vision, and 16MP wide-angle macro cameras.

3.4 Connectivity Features

- **NFC:** Tap, pay, and share with ease. Enable NFC in settings for contactless payments and data transfer.
- **GPS:** Supports GPS, Glonass, Galileo, and Beidou for accurate navigation and location services.
- **Bluetooth 5.2:** For connecting wireless headphones, speakers, and other Bluetooth-enabled devices.
- **Wi-Fi:** Supports 2.4G and 5G Wi-Fi networks for fast internet access.

Figure 3.5: Illustration of effortless connectivity with NFC for payments and data sharing.

3.5 Security Features

- **Side Fingerprint Recognition:** Unlock your phone quickly and securely using the fingerprint sensor located on the side.
- **Face Recognition:** Use your face to unlock the device for added convenience.

Figure 3.6: Visual explanation of the face recognition and side fingerprint recognition security features.

4. MAINTENANCE AND DURABILITY

The DOOGEE S110 is built to withstand harsh environments, but proper care ensures its longevity.

4.1 Ruggedness Features

- **IP68 Waterproof:** Submersible in up to 1.5 meters of water for 30 minutes.
- **IP69K Dustproof:** Provides complete protection against dust ingress.
- **MIL-STD-810H Certified:** Drop-resistant from heights of up to 1.5 meters.

Figure 4.1: Visual representation of the DOOGEE S110's rugged certifications, including water, dust, and drop resistance.

4.2 Cleaning and Care

- To clean the device, wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.
- Ensure all port covers are securely closed to maintain water and dust resistance, especially before exposure to liquids or dusty environments.
- Avoid extreme temperatures and direct sunlight for prolonged periods to prevent battery degradation.

4.3 Battery Care

- For optimal battery life, avoid fully discharging the battery frequently.
- Use the provided 66W charger for fast and safe charging.
- The 10800mAh battery provides extended usage, with up to 960 hours standby time and 45 hours talk time.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Phone not powering 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.
Poor network signal / No service	Incorrect SIM installation; incompatible carrier; weak signal area	Re-insert SIM card. Verify carrier compatibility with supported frequency bands (FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28AB/66/71; TDD: B34/38/39/40/41; WCDMA: B1/2/4/5/6/8/19; CDMA:BC0/BC1; GSM: B2/3/5/8). Move to an area with better coverage.
Battery drains quickly	Background apps; high screen brightness; network issues	Close unused apps. Reduce screen brightness. Check for app updates.
Rear display not responding	Software glitch; incorrect settings	Try double-tapping or flipping the phone. Restart the device. Check display settings.

If you encounter issues not listed here or require further assistance, please contact DOOGEE customer support.

6. SPECIFICATIONS

Feature	Detail
Model Name	S110
Operating System	Android 13.0
RAM	22 GB (12GB physical + 10GB virtual)
Memory Storage Capacity	256 GB (expandable up to 2 TB via TF card)
Processor	Octa Core (Helio G99, 6nm, up to 2.2GHz)
Main Screen Size	6.6 Inches FHD+
Main Screen Resolution	1920 x 1080 (FHD+)
Refresh Rate	120 Hz
Rear Display Size	1.09 Inches
Battery Capacity	10800 mAh
Charging	66W Fast Charging, Reverse Charging
Main Camera	50MP

Feature	Detail
Night Vision Camera	24MP
Front Camera	32MP
Ultra-Wide Angle Macro Camera	16MP (120°)
Durability	IP68, IP69K, MIL-STD-810H
Connectivity	Dual 4G SIM, Wi-Fi (2.4G/5G), Bluetooth 5.2, NFC, GPS (GPS/Glonass/Galileo/Beidou)
Audio	2 Hi-res Stereo Speakers
Security	Face Recognition, Side Fingerprint Sensor
Product Dimensions	3.27 x 0.7 x 7.03 inches
Item Weight	13.8 ounces (390 Grams)

7. WARRANTY AND SUPPORT

DOOGEE is committed to providing quality products and customer satisfaction.

7.1 Customer Support
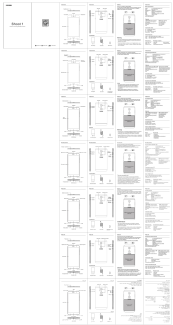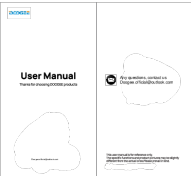
For any inquiries, technical support, or warranty claims, please contact DOOGEE customer service. Our support team is available to assist you.
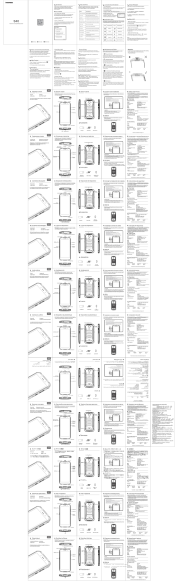
- **Online Support:** Visit the official DOOGEE website for FAQs and support resources.
- **Email Support:** Refer to your product packaging or the official website for contact email addresses.
- **Note:** As stated in product features, "If there is any problem, we will be 24 hours ready to help you solve the problem."

Please retain your proof of purchase for warranty purposes.

Related Documents - S110

	[DOOGEE eSIM Functions Quick Guide](#) Learn how to download, switch, delete, and top up eSIMs on your DOOGEE smartphone with this comprehensive quick guide. Covers step-by-step instructions and important cautions.
	[DOOGEE S61 / S61 PRO Rugged Industrial Smartphone - Technical Specifications](#) Explore the detailed technical specifications of the DOOGEE S61 and S61 PRO rugged industrial smartphones. Learn about their Helio G35 processor, 6.0" IPS HD+ display, advanced camera systems (including SONY IMX350), 5180mAh battery, and robust IP68/IP69K/MIL-STD-810H durability.
	[DOOGEE Shoot 1 Smartphone Overview and Specifications](#) A comprehensive overview of the DOOGEE Shoot 1 smartphone, detailing its key specifications, camera features, connectivity options, dimensions, and package contents. Includes essential battery safety warnings.
	[DOOGEE Tablet User Manual](#) User manual for the DOOGEE tablet, covering setup, messaging, language settings, safety, and maintenance.
	[DOOGEE S61 Series User Manual](#) User manual for the DOOGEE S61 Series smartphone, providing essential information on setup, safety, and features.