DOOGEE R20

DOOGEE R20 Rugged Tablet User Manual

Model: R20 | Brand: DOOGEE

INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your DOOGEE R20 Rugged Tablet. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage. Keep this manual for future reference.

Image: Front and back view of the DOOGEE R20 Rugged Tablet, showcasing its robust design and display.

What's in the Box

The DOOGEE R20 Rugged Tablet package typically includes the following items:

- DOOGEE R20 Rugged Tablet
- USB-C Charging Cable
- 33W USB-C Wall Adapter (may require an adapter for US outlets)
- User Manual
- SIM Ejector Tool
- Hand Strap and Metal Piece for attachment
- Protective Case (clear, pre-installed or included)
- 4G LTE SIM Card (for compatible regions/carriers)

Image: The DOOGEE R20 Rugged Tablet shown with its packaging and various accessories, including the charging adapter, cable, and user manual.

Physical Overview

The DOOGEE R20 features a robust design with strategically placed components for durability and functionality.

- **Display:** 10.4-inch 2.4K IPS display.
- **Front Camera:** Located at the center of the long edge.
- **Rear Camera:** 50MP main camera on the back.

- **Power Button:** Located on the top edge.

- **Volume Buttons:** Located on the top edge, adjacent to the power button.

- **Fingerprint Scanner:** Integrated into the side of the device.

- **Speakers:** Quad speakers for enhanced audio experience.

- **Headphone Jack:** Located on one side.

- **USB-C Port:** For charging and data transfer, covered by a protective flap.

- **SIM/MicroSD Card Tray:** Located on the opposite side of the charging port, also covered by a protective flap.

Image: Side view of the DOOGEE R20 Rugged Tablet, highlighting the textured edges and button placement.

Image: Rear view of the DOOGEE R20 Rugged Tablet, showing the camera module and ruggedized back panel.

SETUP

Initial Power On

1. Press and hold the Power button on the top edge until the DOOGEE logo appears.
2. Follow the on-screen prompts to select your language (English, United States) and region.
3. Connect to a Wi-Fi network to complete the setup process and download necessary updates.

Security Setup (Fingerprint & Face Unlock)

For enhanced security, you can set up fingerprint and face unlock features:

- Navigate to **Settings > Security & privacy > Device unlock**.
- Select **Fingerprint Unlock** and follow the instructions to register your fingerprint on the side-mounted sensor.

- Select **Face Unlock** and follow the instructions to register your face using the front-facing camera.

Mobile Network Setup (Optional)

If your model supports cellular connectivity, you can insert a SIM card:

1. Locate the SIM/MicroSD card tray on the side of the tablet.
2. Use the provided SIM ejector tool to open the tray.
3. Carefully place your 4G LTE SIM card into the designated slot.
4. Close the tray securely. The tablet should automatically detect the network.

OPERATING SYSTEM

The DOOGEE R20 runs on **Android 13**, offering a near-stock Android experience with minimal bloatware. This ensures a clean and efficient user interface.

- **User Interface:** Intuitive and easy to navigate, with most pre-installed applications being standard Google apps.
- **Notifications & Quick Settings:** Swipe down from the top of the screen to access notifications and quick settings toggles for Wi-Fi, Bluetooth, Airplane Mode, Auto-rotate, Flashlight, Screen Record, Battery Saver, Do Not Disturb, Hotspot, Color Inversion, Screenshot, Location, Scan QR Code, and Nearby Share. Additional options like Dark Theme and Extra Dim are available for customization.
- **Storage:** The tablet comes with 256GB of internal storage, with approximately 16GB used by the system and pre-installed apps, leaving ample space for user data. Storage can be expanded up to 2TB using a MicroSD card.

Image: A close-up of the DOOGEE R20's display, showing the storage settings and available space.

PERFORMANCE

The DOOGEE R20 is powered by the **MediaTek Helio G99 Octa-Core processor**, built on a 6nm process technology. This processor, combined with **8GB of RAM (expandable to 20GB with virtual RAM)** provides a balanced performance for everyday tasks, multitasking, and gaming.

- **Gaming:** Capable of running popular games like PUBG Mobile and Asphalt 9 smoothly. While not designed for extreme high-end gaming, it offers a satisfactory experience for most users.
- **Multitasking:** The generous RAM allows for seamless switching between applications without significant slowdowns.

Image: Visual representation of the DOOGEE R20's internal components, highlighting the Helio G99 processor and memory configurations.

DISPLAY & AUDIO

The DOOGEE R20 features a **10.4-inch Full View HD+ IPS display** with a **2.4K resolution (1200x2000 pixels)**, providing vibrant colors and clear visuals. It also boasts **Widevine L1 support**, enabling high-definition streaming from platforms like Netflix.

- **Eye Protection:** TÜV Rheinland Low Blue Light certification helps reduce eye strain during prolonged use.
- **Audio:** Equipped with **Hi-Res Quad Speakers**, delivering loud and clear audio for an immersive media consumption experience.

50MP PDAF Rear Camera

| **50MP** PDAF Rear Camera | **16MP** Front Camera | **96/76.3** Wide angle | **Real Dual Dual Flashlight** |

Image: The DOOGEE R20 display with key specifications like 2.4K resolution, 1200x2000 screen resolution, and viewing angles.

BATTERY LIFE & CHARGING

One of the standout features of the DOOGEE R20 is its massive **21600mAh battery**, designed for extended usage without frequent recharging. It supports **33W fast charging**.

- **Usage Time:** Provides up to 1781 hours of standby, 125 hours of calling, 38 hours of web browsing, and 27 hours of video watching.
- **Charging Time:** Despite the large capacity, the 33W fast charger can fully charge the tablet in approximately 9 hours.

Image: The DOOGEE R20 highlighting its 21600mAh battery and 33W fast charging capability.

Camera Features

The DOOGEE R20 is equipped with a **50MP PDAF Rear Camera** and a **16MP Front Camera**, offering higher resolution photography compared to many other tablets.

- **Rear Camera:** Features a Samsung JN1 sensor with ISOCELL 2.0 technology for improved light sensitivity and color accuracy.
- **Video Recording:** Supports video recording up to 2K (2560x1440) resolution.
- **Camera Modes:** Includes Document, Video, Picture, Portrait, and Face Beauty modes.
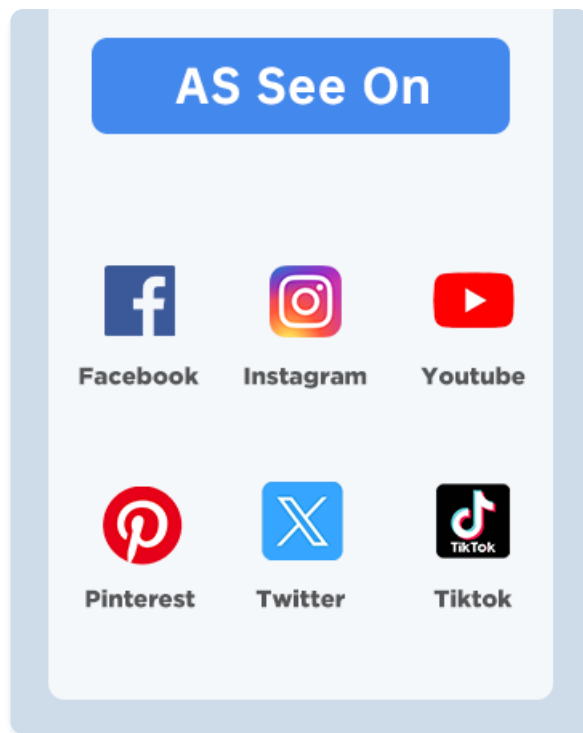
AS See On

Facebook	Instagram	Youtube
Pinterest	Twitter	Tiktok

Image: The DOOGEE R20 showcasing its 50MP main camera and 16MP front camera.

RUGGEDNESS

The DOOGEE R20 is built to withstand harsh environments, certified with **IP68, IP69K, and MIL-STD-810H** ratings.

- **Waterproof:** IP68 rating allows submersion in 1.5 meters of water for up to 30 minutes.
- **Dustproof:** IP69K rating ensures complete protection against dust ingress.
- **Drop Protection:** MIL-STD-810H certified for drops up to 1.5 meters.
- **Temperature Resistance:** Operates reliably in extreme temperatures ranging from -40°C to +70°C (-40°F to 158°F).
- **Screen Protection:** Features Corning Gorilla Glass to protect against scratches.

Long Standby Battery

21600mAh

| 816H Standby | 50H Calling | 32H Music | 12H Video |

Image: The DOOGEE R20 demonstrating its waterproof, dustproof, and shockproof capabilities in various environments.

MAINTENANCE

To ensure the longevity and optimal performance of your DOOGEE R20 Rugged Tablet, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and body. For stubborn smudges, slightly dampen the cloth with water or a screen cleaner. Avoid harsh chemicals or abrasive materials.
- **Port Protection:** Always ensure the protective flaps over the USB-C port and SIM/MicroSD card tray are securely closed when not in use to maintain water and dust resistance.
- **Temperature:** Avoid exposing the tablet to temperatures outside its operating range (-40°C to +70°C) for extended periods.
- **Software Updates:** Regularly check for and install system updates to ensure your device has the latest security patches and performance improvements.
- **Battery Care:** While the battery is large, avoid completely draining it frequently. For long-term storage,

charge the battery to around 50-60%.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Device Not Turning On:** Ensure the battery is charged. Connect the tablet to the charger and wait a few minutes before attempting to power it on again.
- **Slow Performance:** Close unused apps running in the background. Clear cache from apps or perform a factory reset if the issue persists (back up data first).
- **Wi-Fi Connectivity Issues:** Restart the tablet and your Wi-Fi router. Forget the network in Wi-Fi settings and reconnect.
- **Apps Crashing:** Clear the cache and data of the problematic app (Settings > Apps > [App Name] > Storage > Clear cache/Clear data). Reinstall the app if necessary.
- **Charging Issues:** Ensure the charging cable and adapter are securely connected. Try a different cable or adapter if available. Check the USB-C port for any debris.
- **Fingerprint/Face Unlock Not Working:** Ensure your fingers/face are clean and dry. Re-register your fingerprint/face in settings if the problem continues.

SPECIFICATIONS

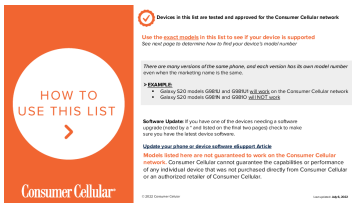| Feature	Specification
Brand	DOOGEE
Model Name	R20
Operating System	Android 13
Screen Size	10.4 Inches
Screen Resolution	2000x1200 (2.4K IPS)
Processor	MediaTek Helio G99 Octa Core
RAM	20GB (8GB physical + 12GB virtual)
Internal Storage	256 GB
Expandable Storage	Up to 2TB via MicroSD
Battery Capacity	21600mAh
Charging	33W Fast Charging

Feature	Specification
Rear Camera	50MP
Front Camera	16MP
Connectivity	WiFi 6, Bluetooth 5.2, 4G LTE (SIM support)
Durability Ratings	IP68, IP69K, MIL-STD-810H
Item Weight	3.94 pounds
Product Dimensions	10.19 x 6.67 x 0.7 inches

WARRANTY & SUPPORT

DOOGEE tablets come with a **two-year quality guarantee**. For any questions or support needs, please contact DOOGEE customer service. Additionally, the product may be eligible for a 30-Day Money Back Guarantee and Free Return as per retailer policies.

Image: Information regarding DOOGEE's after-sales support, including warranty and return policies.

Documents - DOOGEE – R20

Consumer Cellular Network Supported Devices List

This document provides a comprehensive list of mobile phones and devices tested and approved for use on the Consumer Cellular network. It includes instructions on how to identify your device's model number for compatibility verification and important notes regarding software updates and device purchases.

lang:en score:16 filesize: 4.26 M page_count: 128 document date: 2022-11-03

Edge Family of Products: Supported Android Devices

A comprehensive list of Android devices compatible with the Edge Family of Products, including model names and codes.

lang:es score:16 filesize: 441.94 K page_count: 160 document date: 2021-10-27

[pdf] User Manual SAR Rating

PT2 R20   20231023 Safety In order to ensure safely using Maintenance SAR La relación máxima de absorción radiación electromagnética este producto es ≤ 2 0W kg Se encuentra en la línea con los requisitos norma doogee cc manual file |||

English 04 05 09 06 07 08 03 10 11 02 12 01 13 14 01: Speaker 02: 3.5 Headphone Jack 03: Speaker 04: Power Button 05: Volume Button 06: Front Camera 07: Charging Indicator 08: Light Sensor 09: Fingerprint Button 10: Speaker 11: SIM/TF Card 12: Type-C Port 13: Speaker 14: Microphone 15: ...

lang:en score:13 filesize: 5.75 M page_count: 16 document date: 2023-10-23

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lang:tl score:12 filesize: 8.79 M page_count: 164 document date: 2024-09-18

[Supported Android Devices for Edge Family of Products](#)
A comprehensive list of Android devices supported by the Edge Family of products, including manufacturer, model name, model code, and form factor. Updated October 27, 2021.
lang:es score:10 filesize: 444.39 K page_count: 160 document date: 2021-10-27

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Supported devices epihunter companion app Manufacturer Ascom Wireless Solutions Ascom Wireless Solu ... 7A6N PB1009 PMID7102DC Grace 3118 3G Wize 3401 3G PSP3512 i6 Metal HD S2 Plus M555i ST1009X Sync 5e **R20** i25 L8 Lite AP-727G Impress Click 3G Impress_Pear LENNY3 ROBBY Zpower_2018 Fonepad 8 FE380CG ...
lang:de score:9 filesize: 2.58 M page_count: 209 document date: 2019-07-03