

REDMAGIC REDMAGIC 8S Pro

REDMAGIC 8S Pro Gaming Smartphone User Manual

Model: REDMAGIC 8S Pro

1. SETUP

1.1 Package Contents

Verify that all items are present in your REDMAGIC 8S Pro package:

- REDMAGIC Smartphone x 1
- Transparent phone case x 1
- Power adapter x 1 (65W)
- Type-C data cable x 1
- SIM tray ejector x 1

1.2 SIM Card Installation

The REDMAGIC 8S Pro supports Dual SIM functionality. To install your SIM card(s):

1. Locate the SIM card tray on the side of the device.
2. Insert the SIM tray ejector tool into the small hole next to the tray and press firmly until the tray pops out.
3. Place your Nano-SIM card(s) into the designated slots on the tray. Ensure the gold contacts face downwards.
4. Carefully reinsert the SIM tray into the phone until it clicks into place.

1.3 Initial Charging and Power On

Before first use, it is recommended to fully charge your REDMAGIC 8S Pro.

- Connect the 65W power adapter to a power outlet and the Type-C data cable to your phone's charging port.
- The device will indicate charging status. A full charge takes approximately 35 minutes.
- To power on, press and hold the Power button located on the side of the device until the REDMAGIC logo appears.
- Follow the on-screen instructions to complete the initial setup, including language selection, network connection, and fingerprint sensor setup.

2. OPERATING YOUR REDMAGIC 8S PRO

2.1 Display Features

The REDMAGIC 8S Pro features a high-performance display designed for immersive gaming and media consumption.

- **Screen Size:** 6.8 inches FHD+ Full AMOLED display.
- **Refresh Rate:** 120Hz for smooth visuals.
- **Touch Sampling Rate:** 960Hz multi-touch for ultra-fast and precise touch response.
- **Resolution:** 2480 x 1116 pixels.
- **Brightness:** Up to 1300 nits peak brightness.
- **Under-Display Camera (UDC):** Integrated 16MP front camera for an uninterrupted full-screen experience.
- **Under-Display Fingerprint Sensor:** For secure and convenient unlocking.



Image: The 6.8-inch UDC Full AMOLED screen specifications, highlighting its 120Hz refresh rate, 960Hz touch sampling rate, 2480x1116 resolution, and 1300 nits peak brightness.

2.2 Performance and Storage

The device is equipped with advanced hardware for demanding applications and gaming.

- **Processor:** Qualcomm Snapdragon 8 Gen 2, with CPU frequencies up to 3.36 GHz (Kryo CPU) and GPU running speed from 680 to 719 Hz (Adreno GPU).
- **RAM:** 16GB LPDDR5X for efficient multitasking.
- **Internal Storage:** 512GB UFS 4.0 for fast data access and ample space for games and files.

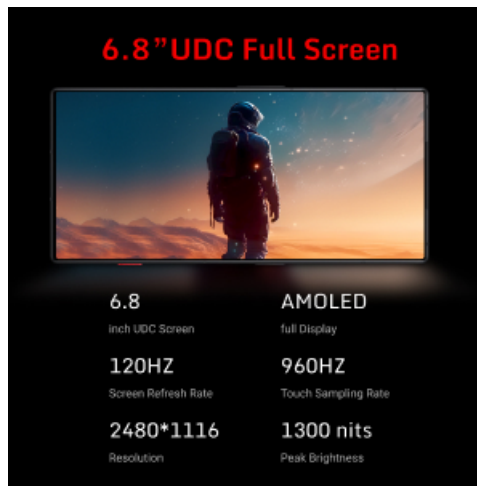


Image: Overview of the Qualcomm Snapdragon 8 Gen 2 processor, 16GB LPDDR5X RAM, and 512GB UFS 4.0 ROM.

2.3 Multi-dimensional Cooling System

To maintain optimal performance during extended gaming sessions, the REDMAGIC 8S Pro integrates an advanced cooling solution.

- **ICE 12.0 Multi-dimensional Cooling System:** Utilizes aerospace-grade Phase Change Materials (PCM) to store and slowly release heat.
- **High-speed Turbofan:** An integrated 20,000 RPM turbofan accelerates heat dissipation, operating quietly.
- **VC Liquid Cooling Plate:** Features a large vapor chamber liquid cooling plate for efficient heat transfer.



Image: Exploded view illustrating the components of the Multi-dimensional Cooling System, including the turbofan and liquid cooling plate.

2.4 Camera System

Capture high-quality photos and videos with the integrated camera system.

- **Rear Camera:** Triple camera setup including a 50MP Samsung GN5 (Wide) main sensor, an 8MP (120° Ultrawide) lens, and a 2MP (Macro) lens.
- **Front Camera:** 16MP Under-Display Camera (UDC).
- **Features:** Low Light Night View, Fast Focus (Dual Pixel Autofocus), HDR Mode.



Image: Diagram showing the rear camera module with its three lenses and key features.

2.5 Connectivity and Battery

Stay connected and powered throughout your day.

- **5G Connectivity:** Dual-mode SA+NSA 5G support, offering download speeds up to 3.0 Gbps and upload speeds up to 7.5 Gbps.
- **Wi-Fi 7:** Supports Wi-Fi 7 for wireless speeds up to 3.5 Gbps.
- **Battery:** 6000mAh battery capacity for extended usage.
- **Charging:** Supports 65W fast charging with the included GAN charger.



Image: Illustration of the 6000mAh battery capacity within the phone's internal structure.

2.6 Gaming Features

The REDMAGIC 8S Pro is optimized for a superior gaming experience.

- **Dual Shoulder Triggers:** 520Hz touchpad shoulder triggers provide responsive physical controls for gaming.
- **High Touch Sampling Rate:** 960Hz multi-finger touch sampling rate ensures precise and immediate in-game response.
- **Screen Projection:** Supports 120 FPS screen projection for external display.



Image: A user's hands utilizing the 520Hz dual shoulder triggers during a mobile game.



Image: Visual representation of the 960Hz touch sampling rate enhancing touch responsiveness in a game.



Image: The REDMAGIC 8S Pro projecting its screen at 120 FPS to a larger external display.

3. MAINTENANCE

3.1 General Care

- Keep the device clean using a soft, dry cloth. Avoid abrasive materials or harsh chemicals.
- Protect the screen with a screen protector and use the provided transparent case to prevent scratches and damage.
- Avoid exposing the phone to extreme temperatures, direct sunlight, or high humidity.
- Do not attempt to disassemble the device, as this will void the warranty and may cause damage.

3.2 Software Updates

Regularly check for and install software updates to ensure optimal performance, security, and access to new features. Updates can typically be found in the device's settings menu or on the official REDMAGIC website.

3.3 Battery Care

- Use only the original REDMAGIC 65W charger and Type-C cable for charging to ensure safety and optimal charging speed.
- Avoid completely draining the battery frequently. It is best to keep the battery level between 20% and 80% for long-term battery health.
- If the device will not be used for an extended period, charge it to about 50% before storing.

4. TROUBLESHOOTING

4.1 Common Issues and Solutions

- **Device not powering on:** Ensure the battery is charged. Connect the charger and wait a few minutes before attempting to power on again.
- **Charging issues:** Check if the charger and cable are securely connected. Try a different power outlet. Ensure the charging port is free of debris.
- **Poor network connectivity:** Check if your SIM card is properly inserted. Ensure mobile data is enabled in settings. Try restarting the device. If issues persist, contact your network provider.
- **Fingerprint sensor not working:** Ensure your finger is clean and dry. Re-register your fingerprint in the device settings.
- **Device overheating:** While the REDMAGIC 8S Pro has an advanced cooling system, prolonged intensive use can still generate heat. Close background applications, reduce screen brightness, or take a break from demanding tasks.
- **Applications crashing or freezing:** Close and restart the application. If the issue persists, clear the app's cache or reinstall it. Ensure your device's software is up to date.

For more complex issues, refer to the official REDMAGIC support website or contact customer service.

5. SPECIFICATIONS

| Feature | Detail |
|---------------------|---|
| Brand | REDMAGIC |
| Model Name | REDMAGIC 8S Pro |
| Operating System | Android 13.0 |
| CPU Model | Qualcomm Snapdragon 8 Gen 2 |
| CPU Speed | 3.2 GHz (up to 3.36 GHz) |
| RAM | 16 GB LPDDR5X |
| Storage Capacity | 512 GB UFS 4.0 |
| Display Size | 6.8 Inches |
| Display Type | FHD+ AMOLED |
| Display Resolution | 2480 x 1116 pixels |
| Refresh Rate | 120 Hz |
| Touch Sampling Rate | 960 Hz (multi-touch) |
| Rear Camera | 50MP (Wide) + 8MP (Ultrawide) + 2MP (Macro) |
| Front Camera | 16MP (Under-Display Camera) |
| Battery Capacity | 6000 mAh |
| Fast Charging | 65W (GAN Charger) |

| Feature | Detail |
|---------------------|--|
| Charging Time | Approximately 35 minutes |
| Cellular Technology | 5G, 4G, 3G, 2G |
| Wireless Technology | Wi-Fi 7, Bluetooth, GPS, NFC |
| SIM Card Slots | Dual SIM (Nano) |
| Audio Jack | 3.5 mm |
| Biometric Security | Under-display Fingerprint Sensor |
| Dimensions | 16.4 x 7.6 x 0.9 cm |
| Weight | 228 Grams |
| Special Features | 520Hz Touchpad Shoulder Triggers, Built-in Cooling Fan |

6. WARRANTY AND SUPPORT

6.1 Product Warranty

The REDMAGIC 8S Pro comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, coverage, and duration, please refer to the warranty card included in your product packaging or visit the official REDMAGIC website.

6.2 Customer Support

If you encounter any issues not covered in this manual or require further assistance, please contact REDMAGIC customer support through their official website. You may need your product's serial number or proof of purchase when contacting support.

Official REDMAGIC Website: www.redmagic.gg