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› realme 16 Pro 5G Unlocked Smartphone User Manual

realme 16 Pro 5G

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Model: 16 Pro 5G

INTRODUCTION

This manual provides essential information for the safe and efficient use of your realme 16 Pro 5G Unlocked Smartphone. Please read it thoroughly before using your device.

1. SETUP

1.1 What's in the Box

Verify that all items are present:

- realme 16 Pro 5G Smartphone
- USB Cable
- Phone Case
- Quick Start Guide
- SIM Tray Ejector

1.2 Inserting the SIM Card

Locate the SIM card tray on the side of the device. Use the provided SIM tray ejector tool to open the tray. Insert your Nano-SIM card(s) into the designated slots, ensuring correct orientation. Gently push the tray back into the device until it clicks into place.

1.3 Initial Charging and Power On

Before first use, it is recommended to fully charge your device. Connect the USB cable to the phone's USB Type-C port and the other end to the 80W SuperVOOC power adapter (if included, or a compatible charger). Press and hold the power button until the realme logo appears to turn on the device.



Image: The realme 16 Pro 5G smartphone, illustrating its design and camera setup.

2. OPERATING YOUR DEVICE

2.1 Display Features

The realme 16 Pro 5G features a 144Hz AMOLED display. This high refresh rate provides smooth scrolling and fluid visuals. The display offers vibrant colors and high contrast, with high brightness for clear visibility in various lighting conditions.

144Hz AMOLED Display

A Display That Flows. A Grip That Follows.

AMOLED



144Hz

6500nit

Peak Brightness

DC Mode

Dimming

94%

Screen-to-body ratio

Netflix HDR

Certification

HDR 10+

Cinematic Brilliance

3000Hz

Instantaneous
Touch Response

Image: The 144Hz AMOLED display in action, demonstrating its visual quality and key features.

2.2 Camera System

The device is equipped with a 200MP main rear camera and a 50MP front camera. The 200MP sensor captures highly detailed images, while the 50MP front camera is designed for clear selfies. Advanced imaging algorithms enhance photo quality in various conditions.

200MP Portrait Master

Perfect at Every Zoom



LumaColor! MAGE

Skin Tone, Light&Shadow,
Portrait&Background
Every Detail, Perfected.

200 MP

LumaColor
Camera

112°

Wide Camera



50 MP

Selfe Camera

Image: Detailed view of the realme 16 Pro 5G camera system, highlighting the 200MP and 50MP sensors.

2.3 Performance and Multitasking

Powered by the MediaTek Dimensity 7300 Max 5G Chipset, the smartphone offers smooth performance for multitasking, gaming, and daily applications. The 8GB RAM ensures efficient operation.

6500mAh Titan Battery

Power That Lasts. Comfort That Stays.

45W

Fast Charge

Reverse

Charge

Bypass

Charge

6 Years

Battery Health³

6500mAh

10.4 Hours³

Game

15.4 Hours³

WhatsApp

21 Hours³

YouTube

1% Battery

6.3 Hours Standby

Image: Visual representation of the device's RAM and ROM for efficient multitasking.

2.4 Battery and Charging

The device includes a 7000mAh battery for extended usage. It supports 80W SuperVOOC fast charging, allowing for rapid recharging. A full charge can be achieved in approximately 35 minutes, with 0 to 48% in 10 minutes.

Dimensity 7300–Max

Power Boosted, Lag-Free Everything

7300–Max^{Dimensity}

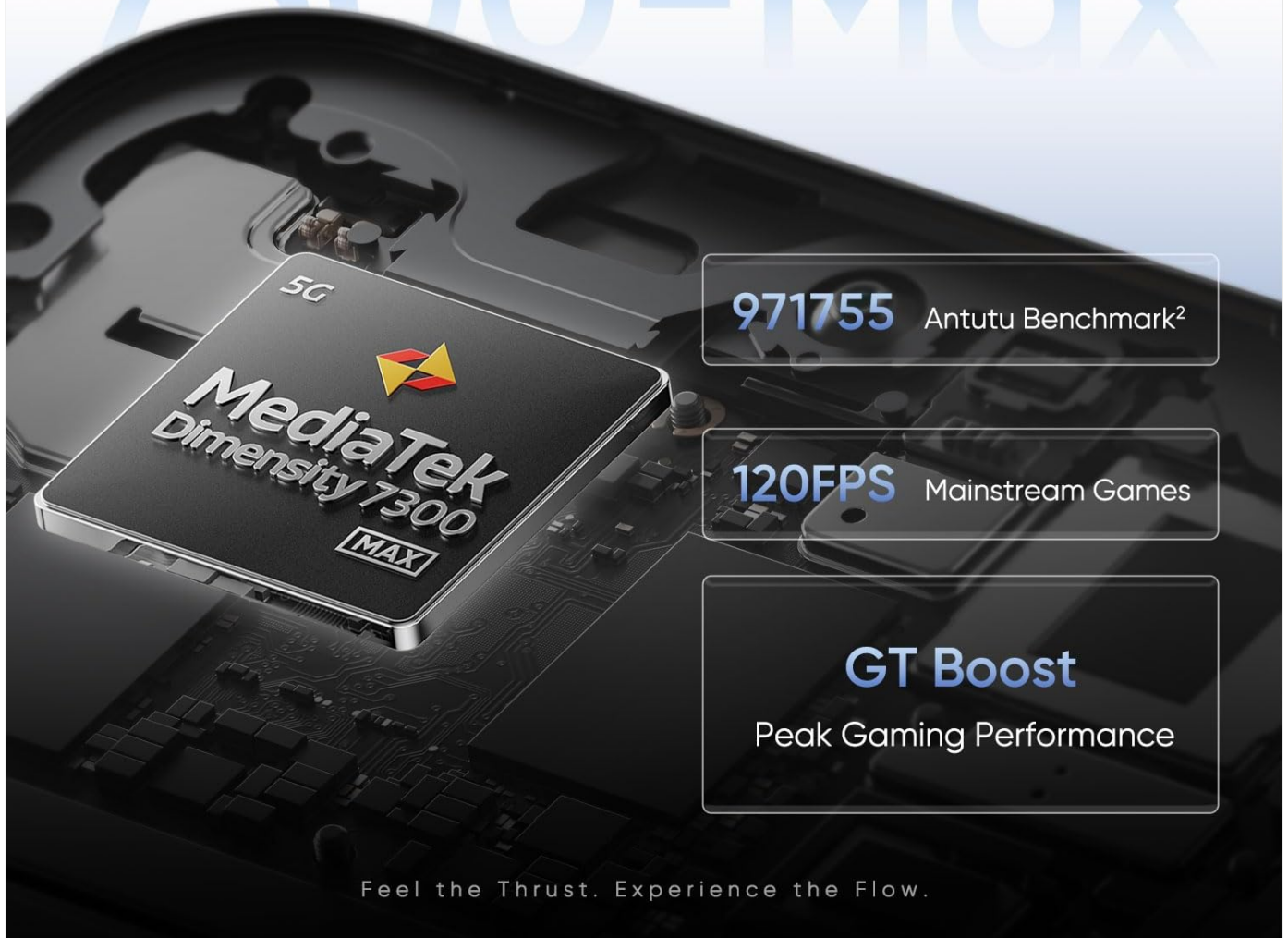


Image: Information on the device's battery capacity and charging capabilities.

2.5 Operating System and Connectivity

The smartphone runs on Android 16. It supports 5G cellular technology, Wi-Fi, Bluetooth, and USB connectivity via a Type-C port.

2.6 Biometric Security

The device includes Face Recognition as a biometric security feature for convenient unlocking and authentication.

3. MAINTENANCE

3.1 Water and Dust Resistance

The realme 16 Pro 5G features IP69 water and dust resistance. This rating indicates protection against high-pressure water jets and dust ingress. While resistant, it is not waterproof. Avoid intentional submersion or exposure to harsh chemicals. Ensure all ports are dry before charging.



Image: Visual representation of the device's IP69 water resistance.

3.2 General Care

- Clean the screen and body with a soft, lint-free cloth.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- Do not use abrasive cleaners or solvents.

4. TROUBLESHOOTING

If you encounter issues with your device, try the following basic troubleshooting steps:

- **Device not powering on:** Ensure the battery is charged. Connect to a charger and wait a few minutes before attempting to power on again.
- **Applications freezing:** Close the problematic application and reopen it. If the issue persists, restart the device.
- **Poor network connectivity:** Check your SIM card insertion. Try toggling Airplane Mode on and off. Ensure you are within network coverage.
- **Touchscreen unresponsive:** Restart the device by holding down the power button.

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

5. SPECIFICATIONS

Feature	Detail
Brand	realme
Model Name	realme 16 Pro 5G
Operating System	Android 16
Processor	MediaTek Dimensity 7300 Max 5G Chipset (2.5 GHz)
RAM	8 GB
Storage Capacity	256 GB
Display Type	AMOLED

Display Refresh Rate	144 Hz
Display Resolution	2772 x 1272 Pixels
Rear Camera	200 MP
Front Camera	50 MP
Battery Capacity	7000 mAh
Charging	80W SuperVOOC Fast Charging
Water Resistance	IP69 Water Resistant
Weight	120 Grams
Connectivity	5G, Bluetooth, USB Type-C, Wi-Fi
Biometric Security	Face Recognition

6. WARRANTY INFORMATION

Your realme 16 Pro 5G Smartphone comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects but typically excludes damage caused by misuse, accidents, or unauthorized modifications. For full terms and conditions, please refer to the warranty card included in your product packaging or visit the official realme website.

7. CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please visit the official realme support website. You can find FAQs, software updates, and contact information for customer service there.
Official realme Store: [realme Store on Amazon](#)

8. PRODUCT VIDEOS

No official product videos from the seller were provided in the available data to embed in this manual.

