

[Manuals.plus](#) /

› [realme](#) /

› realme 16T 5G Smartphone User Manual

realme 16T

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Model: 16T

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty](#)

[Support](#)

1. SETUP

1.1 Package Contents

Verify that your realme 16T 5G Smartphone package contains the following items:

- realme 16T 5G Smartphone
- Phone Case
- USB Type-C Cable
- 45W SUPERVOOC Charger
- SIM Ejector Tool
- Quick Start Guide
- Safety Information

1.2 Device Layout

Familiarize yourself with the physical components of your realme 16T 5G Smartphone.



Image: The realme 16T 5G Smartphone in Starlight Red, showcasing its sleek design. This image provides a general overview of the device's appearance.

The device features a power button, volume rockers, USB Type-C port, speaker grille, microphone, and SIM card tray. The camera module is located on the rear of the device.

1.3 Initial Power On and SIM Card Installation

1. **Insert SIM Card:** Use the provided SIM ejector tool to open the SIM tray. Insert your Nano-SIM card(s) and/or microSD card into the tray, ensuring correct orientation. Close the tray securely.
2. **Power On:** Press and hold the Power button on the side of the device until the realme logo appears on the screen.
3. **Initial Setup:** Follow the on-screen instructions to select your language, connect to Wi-Fi, and set up your Google account.

1.4 Charging the Device

Before first use, it is recommended to fully charge your realme 16T 5G Smartphone.



Image: An illustration highlighting the 8000mAh Titan Battery and 45W SUPERVOOC fast charging capability of the realme 16T 5G Smartphone, showing estimated usage times.

- Connect the USB Type-C cable to the charging port at the bottom of the phone.
- Connect the other end of the cable to the 45W SUPERVOOC charger.
- Plug the charger into a power outlet.
- The device supports 45W fast charging, bypass charging, and reverse wired charging.

2. OPERATING INSTRUCTIONS

2.1 Display Features

The realme 16T features a 6.8-inch 144Hz Sunlight Display for a smooth and clear visual experience.

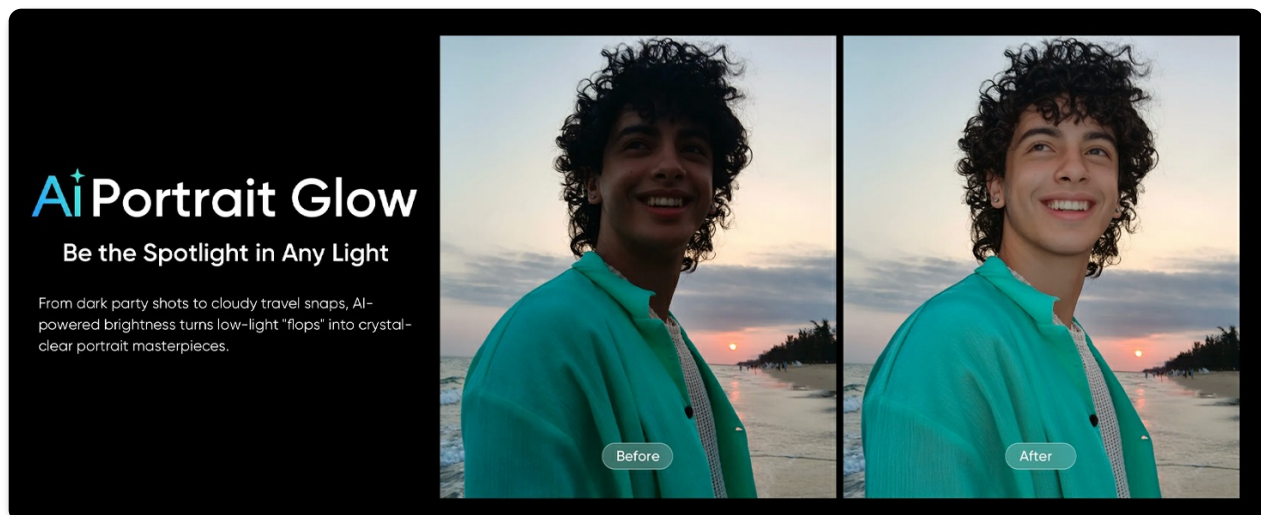


Image: The realme 16T 5G Smartphone being used in different scenarios such as commuting, outdoor trips, gaming, and streaming, demonstrating its versatile display.

- **High Refresh Rate:** The 144Hz refresh rate provides fluid scrolling and responsive gaming.
- **Sunlight Visibility:** With a peak brightness of 1200 nits, the display remains clear and readable even in direct sunlight.

2.2 Camera Usage

Capture high-quality photos and videos with the 50MP Sony IMX852 AI rear camera and 16MP front camera.

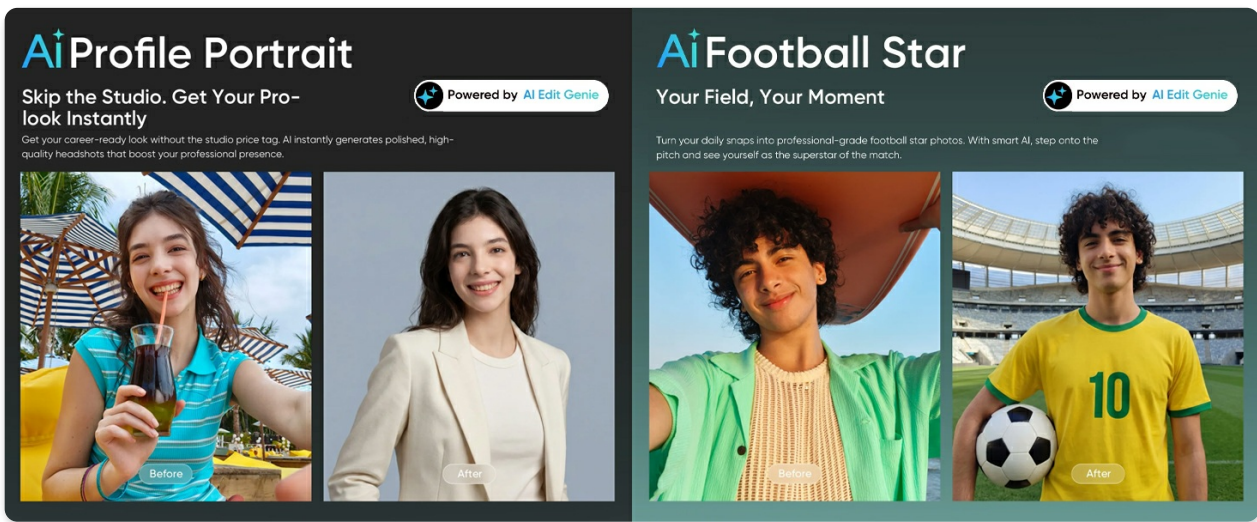


Image: The realme 16T 5G Smartphone held in hands, highlighting the 50MP Sony IMX852 AI Camera module on the back.

- **50MP AI Rear Camera:** Utilizes the Sony IMX852 sensor for detailed images in various lighting conditions.
- **Innovative Selfie Mirror:** Use the rear camera for high-resolution selfies by utilizing the small mirror integrated into the camera module.
- **AI Enhancements:** Features like AI Profile Portrait, AI Football Star, AI Instant Clip, Vibe Master Mode, AI Portrait Glow, and AI Popout enhance your photography experience.

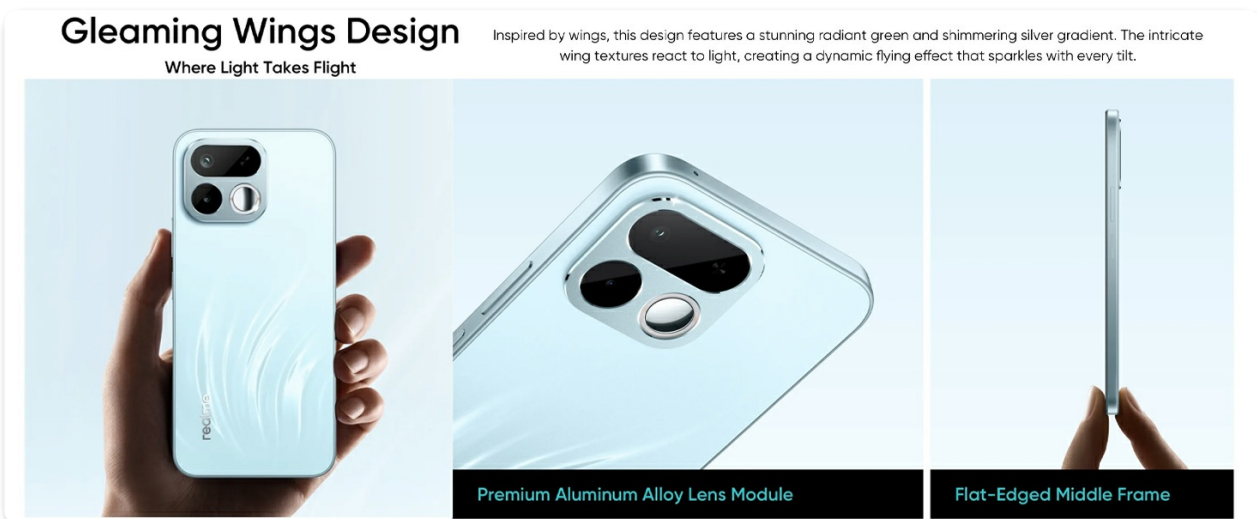


Image: A close-up of the realme 16T 5G Smartphone's rear camera module, showcasing the innovative selfie mirror feature for improved self-portraits.

2.3 Battery Management

The 8000mAh Titan Battery provides extended usage and efficient charging.

Ai Popout

Break the Frame,
Stand Out in Every Feed

Ai Popout lets your subject step beyond the borders for a bold, artistic look. Whether at parties or on trips, it's the ultimate way to make your memories truly stand out.



Image: An illustration depicting the 7-Year Battery Health guarantee, showing various individuals representing different stages of life, implying long-term reliability.

- **8000mAh Titan Battery:** Offers up to 3 days of power on a single charge.
- **45W SUPERVOOC Fast Charging:** Rapidly recharges the device.
- **Bypass Charging:** Allows the device to draw power directly from the charger, reducing battery wear during gaming or heavy use.
- **Reverse Wired Charging:** Use your smartphone as a power bank to charge other devices.

2.4 Performance and Multitasking

Experience smooth performance with the efficient 6nm chipset and advanced cooling system.



Image: A visual representation of the realme 16T 5G Smartphone's 6-year smooth performance, showing seamless multitasking and instant app launch capabilities.

- **6nm Chipset:** Provides efficient processing for lag-free multitasking.
- **5300mm² AirFlow VC Cooling System:** Dissipates heat effectively during intensive tasks like gaming.
- **GT Boost Engine:** Delivers stable 60FPS in mainstream games.

2.5 Audio

Enjoy immersive sound with the 400% Ultra Volume feature.



Image: The realme 16T 5G Smartphone displaying a game, with sound waves emanating from it, illustrating the 400% Ultra Volume feature for powerful audio.

- **Enhanced Volume:** Delivers powerful, clear sound for gaming, streaming, and music.

3. MAINTENANCE AND DURABILITY

3.1 Water and Dust Resistance

The realme 16T is designed with an IP69 Pro rating for enhanced protection against water and dust.



Image: The realme 16T 5G Smartphone shown in two scenarios: being dropped to illustrate military-grade shock resistance, and having liquid spilled on it to demonstrate IP69 Pro water resistance.

- **IP69 Pro Rating:** Highly resistant to dust and capable of withstanding high-pressure water jets or deep submersions.

3.2 Shock Resistance

Built with Military-Grade toughness, the device can withstand daily impacts.

- **Military-Grade Toughness:** Designed to endure drops, bumps, and challenging outdoor environments.

3.3 Cleaning and Care

- Use a soft, lint-free cloth to clean the screen and body of the phone.
- Avoid using harsh chemicals or abrasive materials.
- Keep the device away from extreme temperatures and direct sunlight for prolonged periods.

4. TROUBLESHOOTING

4.1 Common Issues

- **Device not powering on:** Ensure the battery is charged. Press and hold the power button for at least 10 seconds.
- **Screen unresponsive:** Restart the device. If the issue persists, perform a force restart by holding the power button and volume down button simultaneously for about 10-15 seconds.
- **Apps crashing:** Clear the cache of the problematic app or reinstall it. Ensure your device's software is up to date.
- **Poor network connectivity:** Check your SIM card, restart the device, or reset network settings. Contact your service provider if the issue continues.

4.2 Factory Reset

A factory reset will erase all data from your phone and restore it to its original settings. Back up important data before proceeding.

1. Go to **Settings**.
2. Navigate to **System > Reset options**.
3. Select **Erase all data (factory reset)**.
4. Confirm your choice and enter your PIN/password if prompted.

5. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	realme
Model	16T
Operating System	Android 16
RAM Memory Installed Size	6 GB
Memory Storage Capacity	128 GB
CPU Model	MediaTek Dimensity 6300 (Others)
CPU Speed	2.4 GHz
Colour	Starlight Red
Connector Type	USB Type C
Front Photo Sensor Resolution	16 MP

Feature	Specification
Rear Facing Camera Photo Sensor Resolution	50 MP
Battery Capacity	8000 Milliamp Hours
Battery Average Life	3 Days
Screen Size	6.8 Inches
Refresh Rate	144 Hz
Display Type	LCD
Cellular Technology	5G
Item Weight	224 Grams
Item Dimensions	16.6 x 7.8 x 0.9 Centimeters
Country of Origin	India

6. WARRANTY INFORMATION

6.1 Manufacturer's Warranty

The realme 16T 5G Smartphone comes with a **1 Year Manufacturer Warranty** from the date of purchase, covering manufacturing defects.

6.2 Battery Health Guarantee

An industry-leading **7-year battery health guarantee** ensures the battery maintains strong performance over an extended period.

7. CUSTOMER SUPPORT

7.1 Contact Information

For technical assistance, warranty claims, or other inquiries, please contact realme customer support:

- **Manufacturer/Importer Contact:** REALME MOBILE TELECOMMUNICATIONS (INDIA) PRIVATE LIMITED, 3rd Floor, Tower-B, Building No.8, DLF Cyber City, Gurugram-122002, Haryana, India.
- Visit the official realme store on Amazon: [realme Store](#)