

realme 16T 5G

realme 16T 5G Smartphone User Manual

Model: 16T 5G

[Introduction](#)

[Setup](#)

[Operating](#)

[Features](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your realme 16T 5G Smartphone. Please read it thoroughly before using your device to ensure optimal performance and longevity. The realme 16T 5G features an 8000mAh battery, 45W fast charging, a 6.8-inch 144Hz display, a 50MP AI camera, and is powered by the MediaTek Dimensity 6300 chipset running Android 16 with realme UI 7.0.

2. SETUP

2.1. Unboxing and Package Contents

Verify that your package contains the following items:

- realme 16T Smartphone
- USB Data Cable
- Phone Case
- Quick Start Guide

2.2. SIM Card and microSD Card Installation

Locate the SIM tray on the side of your device. Use the provided SIM ejector tool to open the tray. Insert your Nano-SIM cards and/or a microSD card into the designated slots. Ensure the cards are correctly oriented as indicated on the tray. Gently push the tray back into the device until it clicks into place.

2.3. Initial Power On and Basic Setup

1. Press and hold the Power button until the realme logo appears.
2. Follow the on-screen instructions to select your language, region, and connect to a Wi-Fi network.
3. Sign in with your Google account or create a new one.
4. Set up screen lock methods, such as PIN, pattern, fingerprint, or face recognition.

3. OPERATING YOUR DEVICE

3.1. Power On/Off and Restart

- **Power On:** Press and hold the Power button until the device vibrates and the realme logo appears.
- **Power Off:** Press and hold the Power button, then tap 'Power off' on the screen.
- **Restart:** Press and hold the Power button, then tap 'Restart' on the screen.

3.2. Screen Lock and Unlock

Your device supports multiple screen lock methods:

- **PIN/Pattern/Password:** Set these up in Settings > Security > Screen lock.
- **Fingerprint Unlock:** Register your fingerprints via Settings > Security > Fingerprint. The fingerprint sensor is integrated into the side power button.
- **Face Recognition:** Set up face unlock via Settings > Security > Face unlock.

3.3. Volume Control

Use the Volume Up and Volume Down buttons located on the side of the device to adjust media volume, call volume, and alarm volume.

3.4. Network Connectivity

- **5G Connectivity:** The device supports dual 5G SIMs. Ensure your SIM cards are 5G enabled and your network provider offers 5G services in your area.
- **Wi-Fi:** Connect to Wi-Fi networks via Settings > Wi-Fi.
- **Bluetooth:** Pair with Bluetooth devices via Settings > Bluetooth.

4. KEY FEATURES

4.1. Battery and Charging

The realme 16T 5G is equipped with an 8000mAh battery, providing extended usage. It supports 45W SUPERVOOC flash charging for rapid power replenishment.

YOUR HIGH ENERGY PARTNER 8000mAh Titan Battery + 45W



Image: Illustration of the 8000mAh battery capacity and 45W charging capability of the realme 16T 5G smartphone.

4.2. Display

Experience visuals on a 6.8-inch HD+ LCD display with a 144Hz ultra-smooth refresh rate and 180Hz touch sampling rate for responsive interaction. The display offers 1200 nits peak brightness for clear visibility in various lighting conditions.

144Hz 1200nits Sunlight Display

Brighter Under the Sun



Image: A user viewing the realme 16T 5G smartphone display, highlighting its 144Hz refresh rate and 1200 nits sunlight visibility.

4.3. Camera System

The device features a 50MP AI main camera. It includes a selfie mirror function, allowing you to use the rear camera for high-quality selfies. Advanced AI image processing features are available for photo enhancement.

SELFIE-MIRROR PHONE BE THE STAR

Twist it, Say Hi, and Get a Trendy Selfie

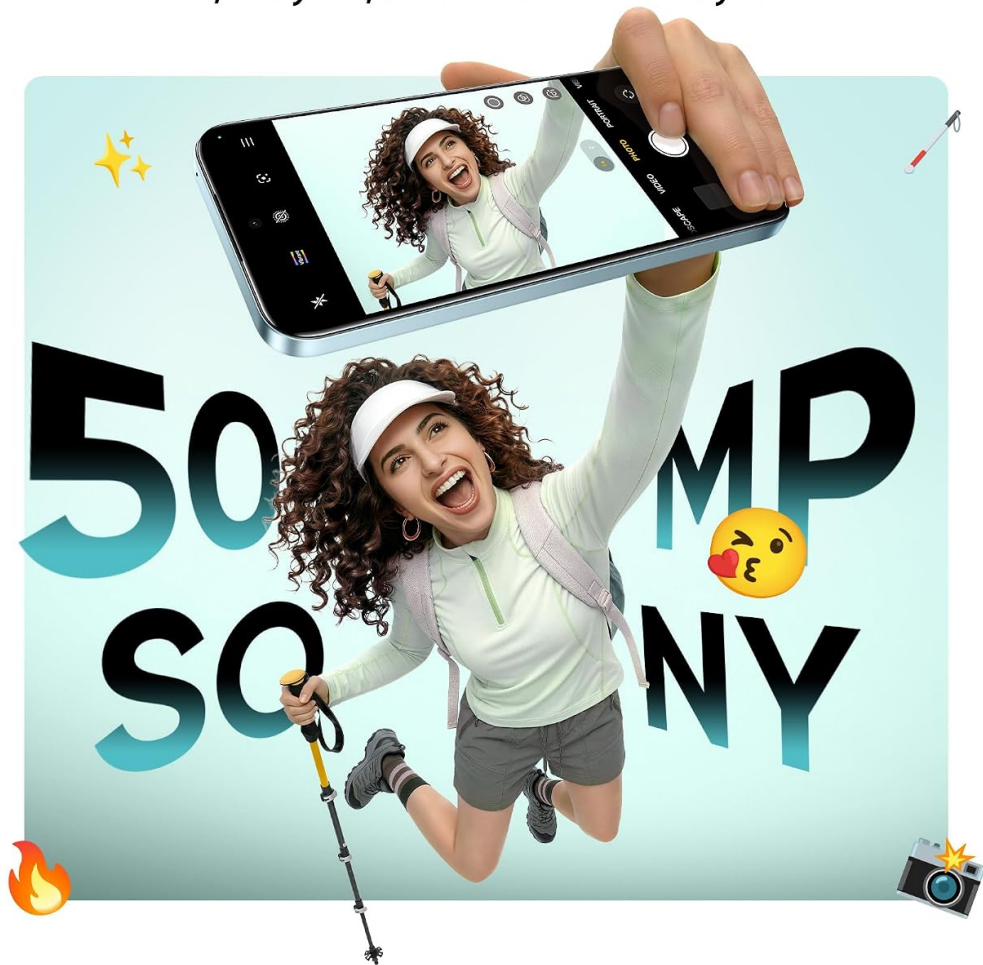


Image: A person using the realme 16T 5G smartphone's selfie mirror feature with the 50MP camera.

NEXT ^{Ai} IMAGE

Edite lite a Pro, Shine Like a Star



Image: Examples of AI image editing capabilities on the realme 16T 5G smartphone, showing original photos and enhanced versions including 3D emoji and cartoon shots.

4.4. Performance and Storage

Powered by the 8-core MediaTek Dimensity 6300 processor, the realme 16T 5G offers smooth daily usage and multitasking. It comes with 8GB RAM and 256GB ROM, with support for memory card expansion up to 2TB.

4.5. Durability and Audio

The device features IP69 Pro dust and water resistance, protecting against spills and splashes. It also boasts MIL-STD-810H military-grade environmental reliability for enhanced durability. Enjoy Hi-Res high-resolution audio with 400% Ultra Volume for an immersive listening experience.

IP69 Pro Dust and Water Resistance

Spills and Splashes Safe



Image: The realme 16T 5G smartphone being splashed with liquid, demonstrating its IP69 Pro dust and water resistance.

Military Grade Shock Resistance

Ready for Accidents and Oops



Image: A person running with the realme 16T 5G smartphone, illustrating its military-grade shock resistance against accidental drops.

400% Ultra Volume

Extra Loud for Extra Vibes



Image: A user playing a game on the realme 16T 5G smartphone, emphasizing its 400% ultra volume feature for enhanced audio.

5. MAINTENANCE

5.1. Cleaning Your Device

To clean your realme 16T 5G, use a soft, lint-free cloth. Avoid using harsh chemicals, abrasive materials, or aerosol sprays. For stubborn stains, slightly dampen the cloth with water or a screen cleaner designed for electronics.

5.2. Software Updates

Regularly check for and install software updates to ensure your device has the latest features, security patches, and performance improvements. Go to Settings > About device > realme UI version to check for updates.

5.3. Storage Management

To maintain optimal performance, regularly manage your device's storage. Delete unnecessary files, uninstall unused apps, and clear cache data. You can check storage usage in Settings > Storage.

6. TROUBLESHOOTING

6.1. Device Not Turning On

If your device does not turn on, ensure it is charged. Connect it to the 45W SUPERVOOC charger and wait a few minutes before attempting to power it on again. If the issue persists, try a forced restart by holding the Power button and Volume Up button simultaneously for about 10-15 seconds.

6.2. App Crashes or Freezes

If an app crashes or freezes, try closing it from the recent apps menu and reopening it. If the problem continues, clear the app's cache and data (Settings > Apps > [App Name] > Storage > Clear cache/Clear data). As a last resort, uninstall and reinstall the app.

6.3. Network Connectivity Issues

If you experience issues with 5G, Wi-Fi, or Bluetooth connectivity:

- Toggle Airplane Mode on and off.
- Restart your device.
- For Wi-Fi, forget the network and reconnect.
- For mobile data, ensure your SIM card is properly inserted and your data plan is active.
- Reset network settings (Settings > System > Reset options > Reset Wi-Fi, mobile & Bluetooth).

6.4. Factory Reset

A factory reset will erase all data on your device and restore it to its original factory settings. This should be considered a last resort for persistent software issues. **Backup all important data before proceeding.** To perform a factory reset, go to Settings > System > Reset options > Erase all data (factory reset).

7. SPECIFICATIONS

Feature	Detail
Brand	realme
Model	16T 5G
Operating System	Android 16 with realme UI 7.0
Processor	MediaTek Dimensity 6300 (Octa-core, 2.4 GHz)
RAM	8 GB
Storage	256 GB (Expandable up to 2TB with microSD)
Display	6.8-inch HD+ LCD, 144Hz Refresh Rate, 1200 nits Peak Brightness
Rear Camera	50MP AI Main Camera
Battery	8000mAh
Charging	45W SUPERVOOC Flash Charge
Connectivity	Dual 5G SIM (Nano + Nano + MicroSD), Wi-Fi, Bluetooth, USB Type-C

Durability	IP69 Pro Dust and Water Resistance, MIL-STD-810H Military-Grade Reliability
Audio	Hi-Res Audio, 400% Ultra Volume
Security	Side Fingerprint Sensor, Face Recognition
Dimensions	16.6 x 7.8 x 0.8 Centimeters
Weight	192 Grams

8. WARRANTY AND SUPPORT

8.1. Manufacturer's Warranty

Your realme 16T 5G Smartphone comes with a 1-year official manufacturer warranty from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

8.2. Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official realme support website or contact their customer service. Refer to the quick start guide or realme's official website for contact details and service center locations.