

realme 16T 5G

realme 16T 5G Smartphone User Manual

Model: 16T 5G

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your realme 16T 5G Smartphone. Please read this guide thoroughly to ensure proper use and to maximize the device's performance and longevity.

2. WHAT'S IN THE BOX

Verify that all items are present in your product packaging:

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

3. DEVICE OVERVIEW

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

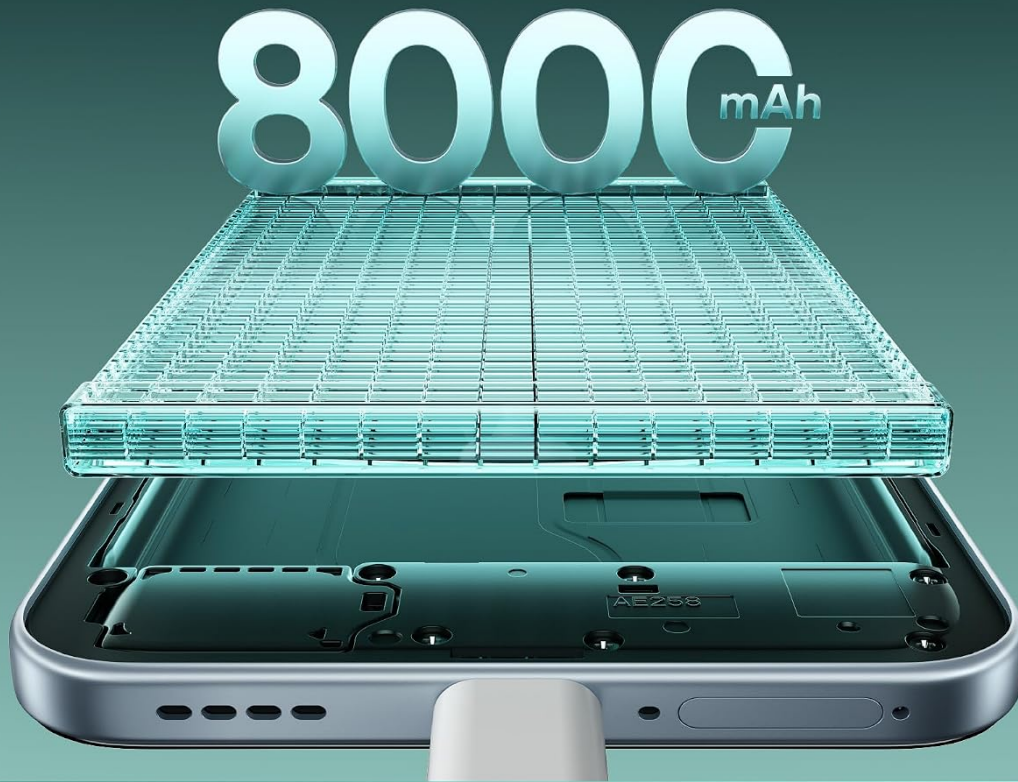
3.1 Physical Features

- **Display:** 6.8-inch HD+ LCD with 144Hz refresh rate.
- **Camera:** 50MP AI main camera on the rear, front-facing camera.
- **Ports:** USB Type-C port for charging and data transfer.
- **Buttons:** Power button (integrated with side fingerprint sensor), Volume up/down buttons.
- **SIM Tray:** Dual 5G SIM (nano + nano + microSD) support.

For a visual reference of the device's components, please refer to the images below.

YOUR HIGH ENERGY PARTNER

8000mAh Titan Battery + 45W



WhatsApp 34h

Ins 32.8h

Game 14.2h

Youtube 25h

Image: Front view of the realme 16T 5G Smartphone, showcasing its large display.

NEXT ^{Ai} IMAGE

Edite lite a Pro, Shine Like a Star



Image: Rear view of the realme 16T 5G Smartphone, highlighting the camera module.

400% Ultra Volume

Extra Loud for Extra Vibes



Image: Close-up of the realme 16T 5G Smartphone's SIM card tray, indicating its location.

4. SETUP

4.1 Inserting SIM Cards and MicroSD Card

1. Locate the SIM tray on the side of the device.
2. Insert the SIM ejector tool into the small hole next to the tray and push gently until the tray pops out.
3. Place your Nano-SIM cards and/or microSD card into the designated slots on the tray. Ensure the gold contacts face downwards.
4. Carefully reinsert the tray into the phone until it clicks into place.

4.2 Initial Power On and 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, fingerprint recognition, and face recognition for security.

5. OPERATING INSTRUCTIONS

5.1 Basic Navigation

The realme 16T 5G runs on Android 16 with realme UI 7.0. Navigate using gestures or on-screen buttons as configured during setup.

- **Home Screen:** Swipe left or right to access different home screens.
- **App Drawer:** Swipe up from the bottom of the screen to view all installed applications.
- **Notifications:** Swipe down from the top of the screen to access notifications and quick settings.

5.2 Volume Control

Adjust the device volume using the dedicated volume buttons on the side. The realme 16T 5G supports 400% Ultra Volume for enhanced audio output.



Image: Illustration of the realme 16T 5G Smartphone's 400% Ultra Volume feature, showing sound waves emanating from the device.

The 400% Ultra Volume feature provides extra loud audio for an immersive listening experience, especially useful for gaming or media consumption.

6. CAMERA FEATURES

The realme 16T 5G is equipped with a 50MP AI main camera and features designed for enhanced photography.

6.1 50MP AI Main Camera

Utilize the 50MP AI main camera for high-resolution photos. The AI features optimize settings for various scenes, ensuring clear and vibrant images.

6.2 Selfie Mirror Functionality

The device includes a selfie mirror feature, allowing you to use the rear camera for high-quality selfies. This provides a versatile option for capturing self-portraits or group photos with the main camera's superior resolution.



Image: A person using the realme 16T 5G Smartphone to take a selfie with the rear camera, demonstrating the selfie mirror functionality.

The selfie mirror feature allows users to utilize the high-resolution rear camera for selfies, ensuring better image quality.

6.3 AI Image Editing

Leverage the built-in AI image editing capabilities to enhance your photos. This includes features for modeling photoshoots, 3D emojis, and cartoon shots, allowing for creative post-processing directly on your device.



Image: Collage demonstrating various AI image editing features on the realme 16T 5G Smartphone, including original, modeling photoshoot, 3D emoji, and cartoon shot examples.

The AI image features provide advanced editing options to transform your photos with various styles and effects.

7. BATTERY AND CHARGING

The realme 16T 5G is equipped with an 8000mAh battery and supports 45W SUPERVOOC flash charging.

7.1 Charging Your Device

Use the provided USB Data Cable and a compatible 45W SUPERVOOC charger to charge your phone. Connect the USB Type-C end to your phone and the other end to the power adapter, then plug into a wall outlet.



Image: Diagram illustrating the 8000mAh battery capacity and 45W fast charging capability of the realme 16T 5G Smartphone, with estimated usage times for various activities.

The 8000mAh battery provides extended usage, and 45W SUPERVOOC flash charging allows for rapid recharging.

7.2 Battery Optimization

To extend battery life, manage background app usage, reduce screen brightness, and enable power-saving modes when needed.

8. DISPLAY FEATURES

The device features a 6.8-inch HD+ LCD display with advanced visual capabilities.

8.1 144Hz Refresh Rate

The 144Hz ultra-smooth refresh rate provides fluid scrolling and a responsive experience, particularly beneficial for gaming and fast-paced content.

8.2 1200 Nits Peak Brightness

With 1200 nits peak brightness, the display ensures clear visibility even in bright outdoor conditions.



Image: A person using the realme 16T 5G Smartphone outdoors, demonstrating the clarity of the 144Hz 1200nits Sunlight Display under bright conditions.

The 144Hz refresh rate and 1200 nits brightness ensure a smooth and clearly visible display in various lighting environments.

9. DURABILITY AND AUDIO

The realme 16T 5G is built with durability in mind and offers enhanced audio features.

9.1 IP69 Pro Dust and Water Resistance

The device features IP69 Pro rating for dust and water resistance, providing protection against spills and splashes.



Image: The realme 16T 5G Smartphone being splashed with liquid, illustrating its IP69 Pro dust and water resistance. The IP69 Pro rating ensures the device is protected against dust ingress and high-pressure water jets.

9.2 Military-Grade Shock Resistance

Constructed with MIL-STD-810H military-grade environmental reliability, the phone is designed to withstand daily drops and impacts.



Image: The realme 16T 5G Smartphone being dropped, demonstrating its military-grade shock resistance. The MIL-STD-810H certification indicates enhanced durability against physical shocks.

9.3 Hi-Res Audio

Enjoy studio-quality sound with Hi-Res high-resolution audio certification, supporting mainstream wireless audio codecs for an immersive listening experience.

10. CONNECTIVITY

The realme 16T 5G offers comprehensive connectivity options.

- **5G Dual-SIM Dual-Standby:** Supports 5G connectivity on both SIM slots for major Indian telecom networks.
- **Wireless Technologies:** Bluetooth, Wi-Fi (GSM, LTE).
- **USB OTG:** Supports USB On-The-Go for connecting external storage devices.

11. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your device.

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and body. Avoid harsh chemicals.
- **Software Updates:** Regularly check for and install system updates to ensure your device has the latest features and security patches.
- **Storage Management:** Periodically clear unnecessary files and apps to maintain optimal performance. The device supports expandable memory up to 2TB with a microSD card.
- **Temperature:** Avoid exposing the phone to extreme temperatures.

12. TROUBLESHOOTING

This section addresses common issues you might encounter with your realme 16T 5G Smartphone.

12.1 Device Not Turning On

- Ensure the battery is charged. Connect the phone to its charger for at least 15 minutes before attempting to power on.
- Press and hold the Power button for 10-15 seconds to force a restart.

12.2 Charging Issues

- Verify that the charging cable and adapter are securely connected and undamaged.
- Try using a different power outlet.
- Clean the USB Type-C port gently with a soft brush to remove any debris.

12.3 Network Connectivity Problems

- Check if your SIM cards are correctly inserted and activated.
- Ensure Airplane Mode is off.
- Go to Settings > Network & internet > Mobile network and verify that mobile data is enabled.
- Restart the device.

12.4 Fingerprint/Face Unlock Not Working

- Ensure your fingers are clean and dry for fingerprint recognition.
- Ensure your face is well-lit and unobstructed for face recognition.
- Re-register your fingerprints or face in the security settings.

13. SPECIFICATIONS

Feature	Specification
Brand	realme
Model	16T 5G
Operating System	Android 16
CPU Model	Mediatek Dimensity 6300
CPU Speed	2.4 GHz
RAM Memory Installed Size	8 GB
Memory Storage Capacity	128 GB (Expandable up to 2TB with microSD)
Display Type	LCD
Screen Size	6.8 Inches
Refresh Rate	144 Hz
Battery Power	8000 mAh
Charging	45W SUPERVOOC Flash Charging
Rear Camera	50 MP AI Main Camera
Water Resistance Level	Waterproof (IP69 Pro)
Cellular Technology	5G
Connector Type	USB Type C
Item Weight	192 Grams
Item Dimensions	16.6 x 7.8 x 0.8 Centimeters

14. WARRANTY AND SUPPORT

14.1 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.

14.2 Contact Information

For technical support, warranty claims, or service inquiries, please contact realme customer service. Refer to the official realme website or your Quick Start Guide for the most current contact details.

Manufacturer: realme

Packer Contact Information: AS Mobiles Private Limited Guttla Begumpet M No 1-65/K/62, Plot No 62 Hyderabad 500081