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## realme RMX3491

# realme 9i Smartphone User Manual (Model RMX3491)

Comprehensive instructions for setup, operation, and maintenance.

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your realme 9i smartphone, model RMX3491. Please read these instructions carefully before using your device to ensure optimal performance and longevity.

The realme 9i features a Qualcomm Snapdragon 680 processor, a 6.6-inch 90Hz Ultra Smooth Display, a 50MP AI Triple Camera, and a 5000mAh battery with 33W Dart Charge support.

## 2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- realme 9i Smartphone
- Power Adapter
- USB Cable
- Phone Case
- Fast Car Charger

## 3. DEVICE LAYOUT

Familiarize yourself with the physical components of your realme 9i.



Figure 3.1: Front view of the realme 9i smartphone, highlighting the display and front camera.



Figure 3.2: Rear view of the realme 9i smartphone, displaying the triple camera setup and textured back panel.

## 4. SETUP

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### 4.1 Inserting SIM Cards and MicroSD Card

1. Locate the SIM card tray on the side of the device.
2. Use the provided SIM ejector tool to open the tray.
3. Place your Nano-SIM cards and an optional MicroSD card into the designated slots. Ensure correct orientation.
4. Carefully reinsert the tray into the phone.

### 4.2 Initial Power On and Setup Wizard

1. Press and hold the Power button until the realme logo appears.

2. Follow the on-screen instructions to select your language, region, connect to Wi-Fi, and set up your Google account.
3. Configure security settings such as fingerprint unlock (side-mounted sensor) and screen lock.

## 5. OPERATING INSTRUCTIONS

### 5.1 Charging the Device

Connect the USB cable to the phone's charging port and the other end to the provided power adapter. Plug the adapter into a wall outlet. The realme 9i supports 33W Dart Charge for faster charging. Use only the original charger and cable for optimal performance and safety.

### 5.2 Display and Navigation

The device features a 6.6-inch FHD+ display with a 90Hz refresh rate. Navigate the interface using touch gestures. Swipe up from the bottom for the app drawer, swipe down from the top for notifications and quick settings.

**90Hz Ultra Smooth Display**  
**Enhanced Visual Clarity**

The large 16.7cm (6.6") color screen boasts a 90Hz refresh rate and provides you with a smooth, high-definition visual experience. There are also 5 dynamic refresh rate levels that intelligently match the different frame-rate requirements of multiple scenes, and help to improve the phone's overall energy efficiency.\*

**90Hz**

|                      |                       |                  |                      |
|----------------------|-----------------------|------------------|----------------------|
| <b>16.7cm (6.6")</b> | <b>90.8%</b>          | <b>2412×1080</b> | <b>180Hz</b>         |
| Screen Size*         | Screen-to-body Ratio* | FHD+ Resolution* | Touch Sampling Rate* |

Figure 5.1: The 90Hz Ultra Smooth Display provides enhanced visual clarity with dynamic refresh rates.

### 5.3 Camera Usage

The realme 9i is equipped with a 50MP AI Triple Camera system on the rear and a 16MP AI Selfie Camera on the front.

- **50MP Primary Camera:** For high-resolution photos.
- **B&W Portrait Camera:** For artistic black and white portraits.

- **Macro Lens:** For close-up shots (4cm shooting distance).

Open the Camera app, select your desired mode (Photo, Video, Portrait, Macro, etc.), and tap the shutter button to capture images or start recording.

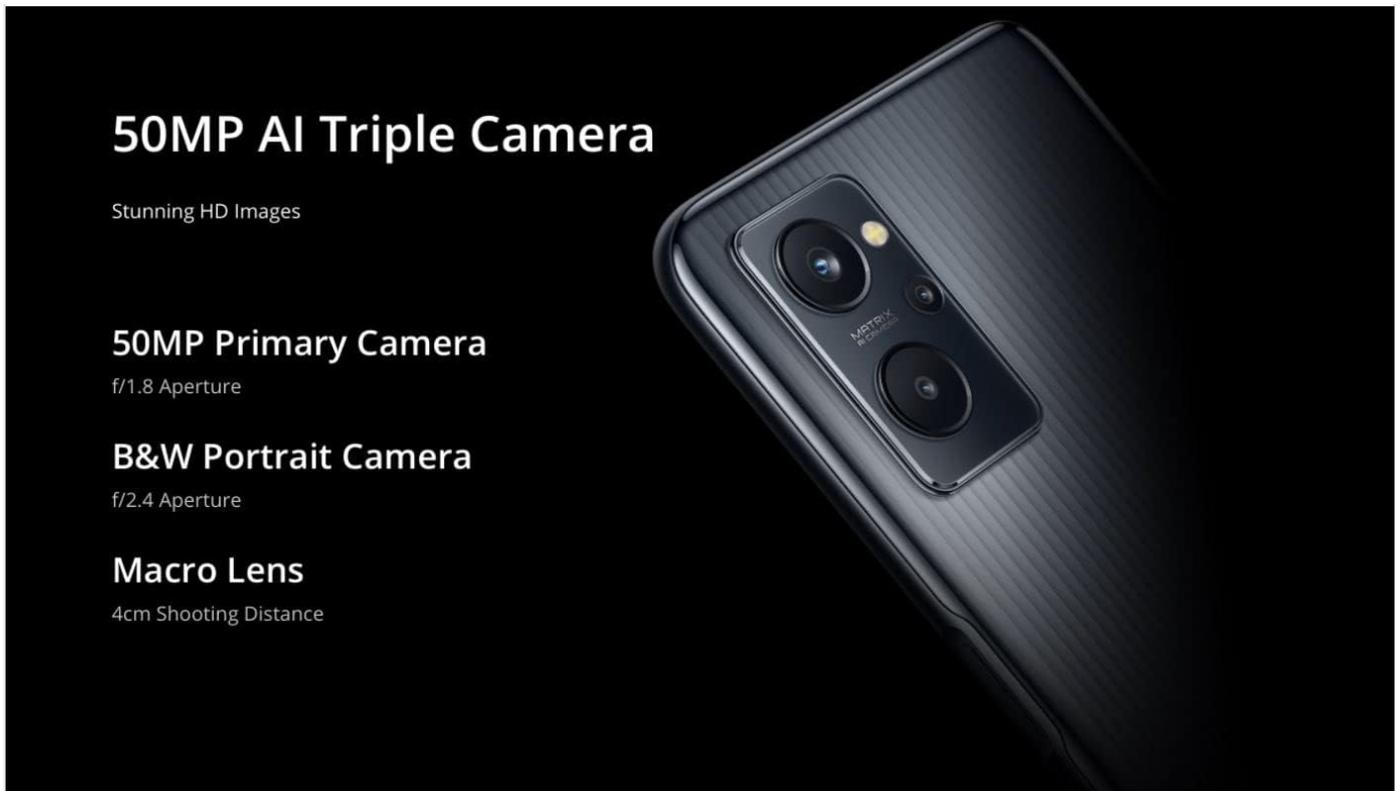


Figure 5.2: The 50MP AI Triple Camera system for stunning HD images.

## 5.4 Battery Management

The 5000mAh battery provides extended usage. To conserve battery life, enable Super Power Saving Mode via the quick settings panel or battery settings. This mode optimizes background activity and display settings to maximize standby time.

# 5000mAh Massive Battery All-day Powerhouse

The 5000mAh high-capacity battery packs massive power, so you can enjoy the long-lasting performance, powering you through gaming and video playback all day long. Enable Super Power Saving Mode, and even 5% of the power can deliver extended standby of up to 49.9 hours.\*

**995 hours**

Standby\*

**48.4 hours**

Phone calls\*

**20.7 hours**

WhatsApp\*

**116.3 hours**

Music\*



Figure 5.3: The 5000mAh massive battery offers long-lasting performance.

## 5.5 Dynamic RAM Expansion (DRE)

The realme 9i features Dynamic RAM Expansion technology, allowing the 6GB of physical RAM to be expanded by up to 5GB using internal storage, resulting in a smoother user experience, especially during multitasking or heavy application usage. This feature can typically be configured in the device's settings under "About Phone" or "RAM & Storage".

# Up to 11GB Dynamic RAM

## Larger Space, Smoother Experience



realme's powerful Dynamic RAM Expansion (DRE) technology allows the 6GB of memory to be expanded by up to 5GB to make 11GB for an even smoother experience.

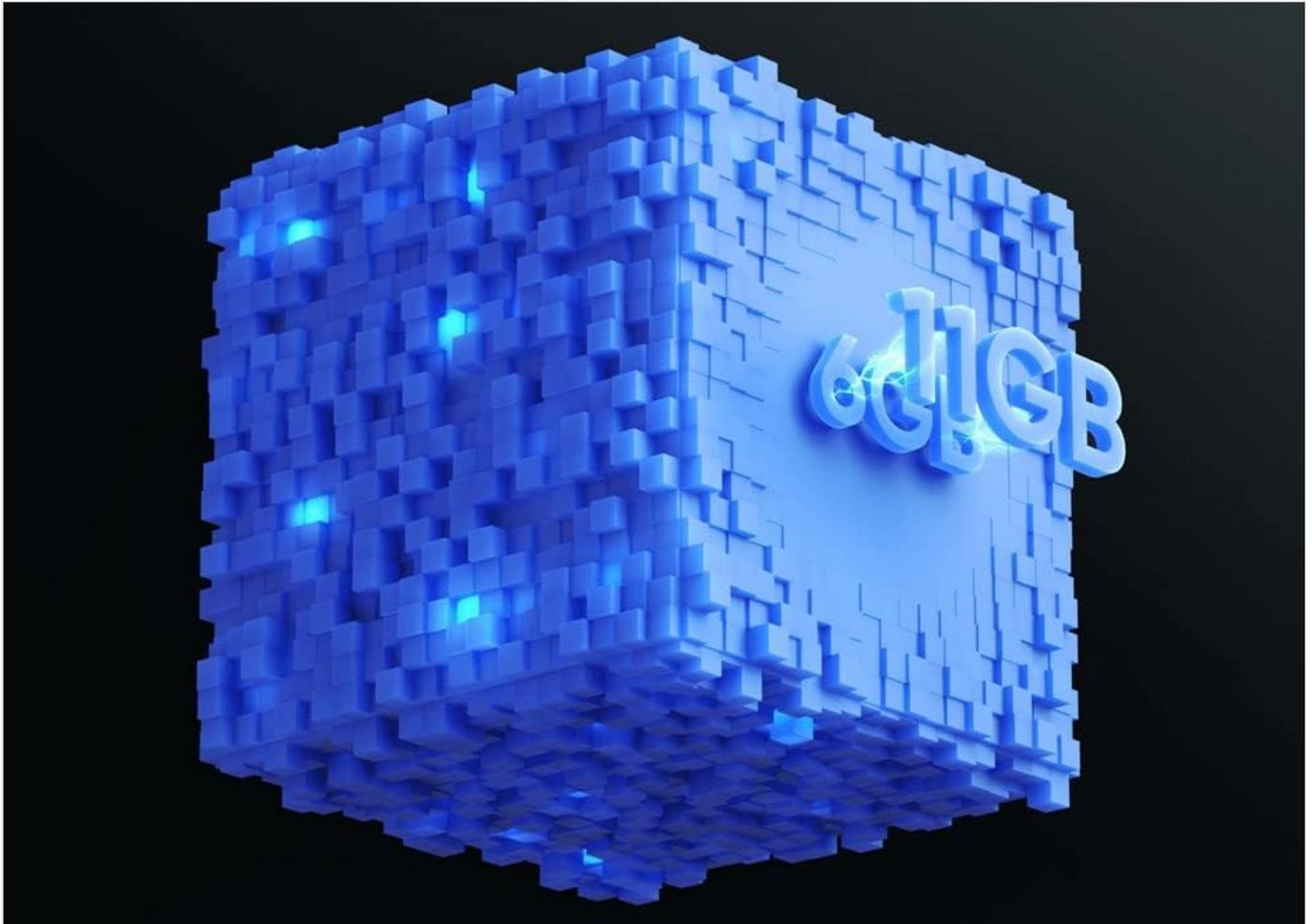


Figure 5.4: Dynamic RAM Expansion (DRE) for a smoother experience.

## 6. MAINTENANCE

### 6.1 Cleaning the Device

Use a soft, lint-free cloth to gently wipe the screen and back panel. Avoid using harsh chemicals or abrasive materials, which can damage the device's finish or screen coating.

### 6.2 Software Updates

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

### 6.3 Battery Care

To prolong battery life, avoid exposing the device to extreme temperatures. Do not fully discharge the battery frequently, and avoid leaving it plugged in for extended periods after it's fully charged.

## 7. TROUBLESHOOTING

### 7.1 Device Not Powering On

- Ensure the battery is charged. Connect the device to the charger for at least 15 minutes.
- Press and hold the Power button for 10-15 seconds to force a restart.

### 7.2 Apps Crashing or Freezing

- Clear the cache of the problematic app via **Settings > Apps > [App Name] > Storage > Clear Cache**
- If the issue persists, try uninstalling and reinstalling the app.
- Ensure your device's software is up to date.

### 7.3 Network Connectivity Issues

- Check if Airplane Mode is disabled.
- Restart the device.
- Verify that your SIM card is correctly inserted and active.
- Reset network settings via **Settings > System > Reset options > Reset Wi-Fi, mobile & Bluetooth**

## 8. SPECIFICATIONS

| Feature             | Specification   |
|---------------------|---|
| Model Name          | 9i (RMX3491)  |
| Operating System    | realme UI 2.0 Based on Android 11   |
| Processor           | Qualcomm Snapdragon 680 Octa-core (up to 2.4GHz)  |
| RAM                 | 6 GB (expandable up to 11 GB with DRE)  |
| Internal Storage    | 128 GB  |
| Display             | 6.6-inch FHD+ (1080 x 2412) 90Hz Ultra Smooth Display   |
| Rear Camera         | 50MP Primary (f/1.8), 2MP Macro (f/2.4), 2MP B&W (f/2.4)  |
| Front Camera        | 16MP  |
| Battery             | 5000 mAh (Typ) with 33W Dart Charge   |
| Connectivity        | 4G LTE, Dual SIM, Wi-Fi, Bluetooth, USB   |
| Audio Jack          | No headphone jack   |
| Sensors             | Side fingerprint sensor, Light sensor, Magnetic induction sensor, Proximity sensor, Acceleration sensor |
| Dimensions (Weight) | 170 Grams (approx. 6 ounces)  |

## 9. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the warranty card included with your product or

visit the official realme website. You can also find support resources and FAQs on the realme support portal.

**Official realme Website:** [www.realme.com](http://www.realme.com)

