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Xiaomi POCO X7 PRO

Xiaomi Poco X7 Pro User Manual

Model: POCO X7 PRO | Brand: Xiaomi

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1. INTRODUCTION

Welcome to the user manual for your new Xiaomi Poco X7 Pro smartphone. This device is engineered for high performance, featuring the Flagship Dimensity 8400-Ultra processor, a large 6000mAh battery with 90W HyperCharge, and a stunning CrystalRes 1.5K 120Hz AMOLED display. It also boasts a 50MP main camera with Optical Image Stabilization (OIS) and IP68 dust and water resistance, ensuring durability and exceptional user experience. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your device to help you get the most out of its advanced features.



Figure 1: The Xiaomi POCO X7 Pro smartphone, highlighting its sleek design and camera module.

2. SETUP

2.1. What's in the Box

- Xiaomi POCO X7 Pro Smartphone
- Fast Car Charger
- Adapter
- Phone Case
- USB Cable

2.2. SIM Card Installation

1. Locate the SIM card tray on the side of your device.
2. Insert the SIM ejector tool (usually found in the box) into the small hole next to the tray.
3. Gently push until the tray pops out.
4. Place your Nano-SIM card(s) into the tray with the gold contacts facing down. This device supports Dual SIM functionality.
5. Carefully reinsert the tray into the phone.

2.3. Initial Power On & Setup

1. Press and hold the Power button until the Xiaomi logo appears.
2. Follow the on-screen prompts 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 your screen lock (PIN, pattern, password, fingerprint, or AI Face Unlock).
5. Review and accept the terms and conditions.
6. Your device is now ready for use.

3. OPERATING YOUR DEVICE

3.1. Display Features

The Poco X7 Pro features a 6.67-inch CrystalRes AMOLED display with a resolution of 2712 x 1220 (1.5K). It supports a refresh rate of up to 120Hz for smooth scrolling and gaming, and a touch sampling rate of 480Hz (2560Hz instant touch sampling rate in Game Turbo mode). The display offers up to 3200 nits peak brightness, 12-bit color depth, DCI-P3 color gamut, and is protected by Corning Gorilla Glass 7i. It also supports Dolby Vision, sunlight mode, and reading mode for enhanced viewing comfort.

3.2. Performance and Gaming

Powered by the Dimensity 8400-Ultra 4nm manufacturing process, with an Octa-core CPU up to 3.25GHz and Mali-G720 GPU, the Poco X7 Pro delivers flagship-grade performance. It features LiquidCool Technology 4.0 (POCO 3D IceLoop system) for efficient heat dissipation during intensive tasks like gaming. WildBoost Optimization 3.0 further enhances gaming performance, graphics, and audio.

3.3. Camera System

The device is equipped with a versatile camera system:

- **50MP Main Camera with OIS:** f/1.5 aperture, 1/1.95" sensor size, 6P lens. Supports Dynamic shots, Motion tracking focus, 50MP mode, Film Camera, Portrait mode, Documents, Night mode, Pro mode, Panorama, HDR.
- **8MP Ultra-Wide Camera:** f/2.2 aperture.
- **20MP Front Camera:** OV20B (1/4" sensor size), f/2.2 aperture, 4p lens. Features Soft-light ring, AI beautify, Night mode, Portrait mode.

Video Recording: The main camera supports 4K video shooting at 24fps/30fps/60fps, 1080p at 30/60fps, and 720p at 30fps. Slow motion video is available at 1080p (120fps/240fps/960fps) and 720p (120fps/240fps/960fps). Video features include Director mode, Video pro mode, Video log format, ShootSteady, Slow motion, Dual video, and Time-lapse.

3.4. Battery and Charging

The Poco X7 Pro houses a 6000mAh (typical) battery, the largest in the POCO X series. It supports 90W HyperCharge, allowing for rapid charging. The device includes a 90W in-box charger and uses a USB-C port. Advanced battery management is provided by the self-developed Surge P2 charging chipset and Surge G1 battery chipset, ensuring

efficient and reliable charging with 58 safety measures.

3.5. Connectivity

This smartphone offers extensive connectivity options:

- **Network:** Dual SIM support. Compatible with T-Mobile, Mint, Tello, and other T-Mobile network carriers in the USA. Works with any GSM carrier outside the USA.
- **5G:** Sub6G: n1/3/5/7/8/20/28/38/40/41/77/78
- **4G:** LTE FDD: B1/2/3/4/5/7/8/20/28/66; LTE TDD: B38/40/41
- **3G:** WCDMA:1/2/4/5/8/19
- **2G:** GSM: Quad Band
- **Wireless:** Bluetooth 5.4, Wi-Fi Protocol: 802.11 a/b/g/n/ac/ax
- **Navigation:** Beidou:B1I, GPS:L1, Galileo:E1, GLONASS:G1, QZSS:L1, A-GPS supplementary positioning.
- **NFC:** For contactless payments and data exchange.
- **IR Blaster:** For using the phone as a universal remote control.

3.6. Sensors and Security

The device includes a comprehensive set of sensors: Proximity sensor, 360° Ambient light sensor, Accelerometer, Flicker Sensor, Electronic compass, IR blaster, Gyroscope, X-axis linear vibration motor. For security, it features an in-screen fingerprint sensor and AI Face Unlock.

4. MAINTENANCE

4.1. General Care

- Keep your device dry. Moisture and liquids can damage the internal components.
- Avoid extreme temperatures. High or low temperatures can shorten the life of electronic devices and damage the battery.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Use only approved accessories. Using incompatible accessories may void your warranty and cause damage.

4.2. Cleaning

To clean your device, use a soft, dry cloth. Do not use harsh chemicals, cleaning solvents, or strong detergents. The Wet Touch technology enhances touch accuracy even with water or oil stains on the screen, but it is still recommended to keep the screen clean for optimal performance.

5. TROUBLESHOOTING

5.1. Device Not Turning On

- Ensure the battery is charged. Connect the device to the charger and wait a few minutes before attempting to power on.
- Press and hold the Power button for at least 10-15 seconds to perform a forced restart.

5.2. Poor Network Connection

- Check if your SIM card is properly inserted.
- Ensure you are within network coverage.

- Restart your device.
- Go to Settings > Mobile networks and ensure your preferred network type (5G/4G/3G) is selected and your carrier settings are correct.

5.3. Battery Draining Quickly

- Reduce screen brightness or enable automatic brightness.
- Close unused apps running in the background.
- Disable features like Bluetooth, Wi-Fi, and GPS when not in use.
- Go to Settings > Battery to check battery usage by apps and optimize settings.

5.4. Apps Crashing or Freezing

- Clear the cache and data of the problematic app (Settings > Apps > [App Name] > Storage > Clear cache/Clear data).
- Update the app to its latest version from the Play Store.
- Restart your device.

6. SPECIFICATIONS

Feature	Detail
Model Name	POCO X7 PRO
Brand	Xiaomi
Operating System	HyperOS Base on Android 14
CPU Model	Dimensity 8400-Ultra (Octa-core up to 3.25GHz)
Screen Size	6.67 Inches
Display Resolution	2712 x 1220 (1.5K)
Refresh Rate	Up to 120Hz
RAM Memory Installed Size	12 GB
Battery Capacity	6000 Milliamp Hours (typ)
Charging Speed	90W HyperCharge
Main Camera	50MP with OIS
Water/Dust Resistance	IP68
Item Weight	1.25 pounds
Dimensions	8.46 x 7.56 x 2.6 inches (Package)

7. WARRANTY & SUPPORT

7.1. Warranty Information

Your Xiaomi Poco X7 Pro comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims. The product is eligible for a 30-day refund/replacement return policy from the date of purchase.

7.2. Customer Support

For technical support, service, or further inquiries, please visit the official Xiaomi support website or contact their customer service hotline. You can also visit the [Xiaomi Store on Amazon](#) for product information and related services.