XIAOMI Poco X7 Pro

XIAOMI Poco X7 Pro 5G Smartphone User Manual

1. Introduction

The XIAOMI Poco X7 Pro 5G is a high-performance smartphone designed for advanced mobile users. Featuring the Dimensity 8400-Ultra processor, a vibrant 6.67-inch CrystalRes AMOLED display, and a long-lasting 6000mAh battery with 90W HyperCharge, this device delivers exceptional speed and responsiveness for gaming, multitasking, and media consumption. Its advanced camera system captures crisp, detailed photos and videos, making it a versatile companion for your daily needs.

2. What's in the Box

Your XIAOMI Poco X7 Pro 5G package includes the following items:

- XIAOMI Poco X7 Pro 5G Smartphone
- Adapter
- Phone Case
- USB Cable
- Fast Car Charger

3. Setup

3.1 SIM Card Installation

1. Locate the SIM card 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 card(s) into the tray with the gold contacts facing down. This device supports Dual SIM.
4. Carefully reinsert the tray into the phone.

3.2 Powering On

1. Press and hold the Power button (located on the side) until the XIAOMI logo appears on the screen.
2. Follow the on-screen instructions to complete the initial setup, including language selection, Wi-Fi connection, and Google account setup.

4. Design and Build Quality

The XIAOMI Poco X7 Pro 5G features a sleek and stylish design with a comfortable in-hand feel. The device is equipped with Corning Gorilla Glass 7i for enhanced durability and offers IP68 water and dust resistance, providing protection against splashes and dust ingress.



Image: The XIAOMI Poco X7 Pro 5G smartphone in green, showcasing its rear camera module, side buttons, and slim profile.

5. Display Features

Experience stunning visuals on the Poco X7 Pro 5G's 6.67-inch CrystalRes AMOLED display.

- **Resolution**: 2712 x 1220 (1.5K resolution)

- **Refresh Rate**: Up to 120Hz for smooth scrolling and gaming.
- **Touch Sampling Rate**: 480Hz, with 2560Hz instant touch sampling rate in Game Turbo mode for ultra-responsive control.
- **Brightness**: 700 nits (typical), 1400 nits (HBM brightness), 3200 nits (peak brightness) for excellent visibility in various lighting conditions.
- **Color Depth**: 12-bit with DCI-P3 (typical) color gamut for vibrant and accurate colors.
- **Protection**: Corning Gorilla Glass 7i provides robust scratch and drop resistance.
- **Features**: Supports Dolby Vision, sunlight mode, and reading mode for optimized viewing.

6. Performance and Gaming

Powered by the Dimensity 8400-Ultra 4nm manufacturing process, the Poco X7 Pro 5G delivers flagship-grade performance.

- **CPU**: Octa-core CPU, up to 3.25GHz (ARM Cortex-A725 architecture).
- **GPU**: Mali-G720 for powerful graphics processing.
- **RAM**: 8GB or 12GB LPDDR5X RAM ensures smooth multitasking.
- **Optimization**: WildBoost Optimization 3.0 enhances performance, graphics, connectivity, and game audio.
- **Cooling**: LiquidCool Technology 4.0 (POCO 3D IceLoop system) effectively manages heat during intensive use, maintaining sustained performance.

7. Camera Features

Capture every moment with the versatile camera system of the Poco X7 Pro 5G.

7.1 Rear Cameras

- **Main Camera**: 50MP with OIS (Optical Image Stabilization), f/1.5 aperture, 1/1.95" sensor size, 4-in-1 binning into one large 1.6µm pixel, and a 6P lens.
- **Ultra-wide Camera**: 8MP with f/2.2 aperture.

7.2 Photography Features

- Dynamic shots, Motion tracking focus, Motion capture, 50MP mode, Film Camera, Portrait mode, Documents, Night mode, Pro mode, Panorama, HDR.

7.3 Video Recording

- **Rear Camera Video**: 4K at 24fps/30fps/60fps; 1080p at 30/60fps; 720p at 30fps.
- **Slow Motion**: 1080p at 120fps/240fps/960fps; 720p at 120fps/240fps/960fps.
- **Video Features**: Director mode, Video pro mode, Video log format, ShootSteady, Slow motion, Dual video, Time-lapse.

7.4 Front Camera

- **Resolution**: 20MP (OV20B, 1/4" sensor size) with f/2.2 aperture and a 4P lens.
- **Features**: Soft-light ring, AI beautify, Night mode, Portrait mode.
- **Video Recording**: 1080p at 30fps, 720p at 30fps.

8. Battery and Charging

The Poco X7 Pro 5G is equipped with a large 6000mAh (typical) battery, providing extended usage on a single charge.

- **Capacity**: 6000mAh (typical)
- **HyperCharge**: Supports 90W HyperCharge for rapid recharging.
- **Included Charger**: A 90W in-box charger is provided.
- **Charging Technology**: Features the self-developed Surge P2 chip and Surge G1 battery chipset, along with 58 safety measures, for faster, more reliable, and efficient charging. The refined smart charging engine focuses on user experience, offering improved cold resistance and enhanced battery longevity.

9. Connectivity

Stay connected with the comprehensive connectivity options of the Poco X7 Pro 5G.

9.1 Network Support

- **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
- *Note: For USA market, works on T-Mobile, Mint, Tello, or any under T-Mobile network. Outside USA, works with any GSM carrier SIM.*

9.2 Wireless Networks

- **Bluetooth**: 5.4
- **Wi-Fi Protocol**: 802.11a/b/g/n/ac/ax

9.3 Navigation and Sensors

- **Navigation**: Beidou: B1I, GPS: L1, Galileo: E1, GLONASS: G1, QZSS: L1, A-GPS supplementary positioning, Wireless network, Data network, Sensor Assisted Positioning.
- **Other Sensors**: Proximity sensor, 360° Ambient light sensor, Accelerometer, Flicker Sensor, Electronic compass, IR blaster, Gyroscope, X-axis linear vibration motor.
- **Security**: In-screen fingerprint sensor, AI Face Unlock.

10. Software

The Poco X7 Pro 5G runs on Xiaomi HyperOS, based on Android 14. This operating system provides a smooth and intuitive user experience with various customization options and AI-powered features. Regular updates ensure enhanced security and new functionalities.

11. Specifications

Refer to the table below for detailed technical specifications of the XIAOMI Poco X7 Pro 5G.

Feature	Specification
Brand	XIAOMI
Operating System	HyperOS Base on Android 14
RAM Memory Installed Size	8 GB
CPU Model	Cortex A7
CPU Speed	3.25 GHz
Memory Storage Capacity	256 GB
Screen Size	6.67 Inches
Resolution	2712 x 1220
Refresh Rate	120
Model Name	Poco X7 Pro 5G
SIM Card Slot Count	Dual SIM
Connector Type	USB Type C
Form Factor	Smartphone
Biometric Security Feature	Fingerprint Recognition, Face Recognition
Human-Interface Input	Touchscreen
Sim Card Size	Nano
Water Resistance Level	Water Resistant
Headphones Jack	No headphone jack
Additional Features	4K Video Recording
Flash Memory Supported Size Maximum	256 GB
Front Photo Sensor Resolution	50 MP
Rear Facing Camera Photo Sensor Resolution	50 MP
Camera Flash	LED
Number of Rear Facing Cameras	2
Number of Front Cameras	1
Phone Talk Time	14.5 Hours
Effective Video Resolution	64 MP
Video Capture Resolution	4K, 1080p
Frame Rate	60fps

Feature	Specification
Display Type	AMOLED
Wireless Provider	Unlocked
Cellular Technology	5G
Connectivity Technology	Bluetooth, Wi-Fi
Wireless Network Technology	Wi-Fi
Model Year	2025
Built-In Media	Adapter, Fast Car Charger, Phone Case, USB Cable
Battery Capacity	6000 Milliamp Hours
Battery Power	6000 Milliamp Hours
GPS Geotagging Functionality	True

12. Troubleshooting

For common issues, please refer to the following general troubleshooting steps:

- **Device Not Responding**: Press and hold the Power button for approximately 10-15 seconds to force a restart.
- **App Crashes**: Clear the cache and data for the problematic app via Settings > Apps. If the issue persists, uninstall and reinstall the app.
- **Network Connectivity Issues**: Check your SIM card installation. Toggle Airplane Mode on and off. Restart your device. Verify network settings in Settings > Mobile networks.
- **Battery Drain**: Review app usage in Settings > Battery to identify power-hungry applications. Adjust screen brightness and disable unnecessary background processes.
- **Fingerprint Sensor Issues**: Ensure your finger is clean and dry. Re-register your fingerprints if recognition is inconsistent.
- **Software Updates**: Ensure your device is connected to a stable Wi-Fi network and has sufficient battery charge before attempting any software updates. Navigate to Settings > About phone > Update to check for and install available updates.

13. Warranty and Support

The XIAOMI Poco X7 Pro 5G comes with a 30-day warranty. For further support, please visit the official XIAOMI Store or contact their customer service.
Official XIAOMI Store: Visit Store

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question