XIAOMI Poco X7 Pro 5G (Model 2412DPC0AG)

XIAOMI Poco X7 Pro 5G Smartphone User Manual
Model: 2412DPC0AG

1. INTRODUCTION

The XIAOMI Poco X7 Pro 5G is a high-performance smartphone designed for a seamless user experience. It features a powerful Dimensity 8400-Ultra processor, a vibrant 6.67-inch CrystalRes AMOLED display, and a long-lasting 6000mAh battery with 90W HyperCharge. This manual provides essential information for setting up, operating, and maintaining your device.

Image: XIAOMI Poco X7 Pro 5G in Black, Green, and Yellow colors, showcasing the rear camera module and dual-tone design.

2. WHAT'S IN THE BOX

Upon opening your Poco X7 Pro 5G package, verify that all the following items are included:

- XIAOMI Poco X7 Pro 5G Smartphone
- 90W Power Adapter
- USB-C Cable
- Phone Case
- SIM Ejector Tool

Image: Contents of the Poco X7 Pro 5G retail box, including the smartphone, a 90W charger, a USB cable, and a SIM ejector tool.

3. SETUP

3.1. SIM Card Installation

1. Locate the SIM card tray on the side of your device.
2. Insert the SIM ejector tool into the small hole next to the tray and press 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 cards but does not support a Micro SD card.
4. Carefully reinsert the tray into the phone.

3.2. Initial Power On and Setup

1. Press and hold the Power button until the XIAOMI 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 your screen lock (PIN, pattern, password, fingerprint, or face unlock).

3.3. Network Compatibility

For users in the USA, this phone is designed to work on T-Mobile, Mint, Tello, or any network operating under the T-Mobile infrastructure. Ensure your SIM card is already activated. Outside the USA, it is compatible with any GSM carrier SIM. The device supports 5G (Sub6G: n1/3/5/7/8/20/28/38/40/41/77/78) and 4G LTE (FDD: B1/2/3/4/5/7/8/20/28/66; TDD: B38/40/41) networks.

4. OPERATING INSTRUCTIONS

4.1. Display

The Poco X7 Pro 5G features a 6.67-inch CrystalRes AMOLED display with a resolution of 2712 x 1220 (1.5K). It offers a refresh rate of up to 120Hz and a touch sampling rate of 480Hz (2560Hz instant touch sampling rate with Game Turbo mode). The display provides vibrant colors with 12-bit color depth, a 5,000,000:1 contrast ratio, and DCI-P3 color gamut. Brightness levels reach 700 nits (typical), 1400 nits (HBM), and 3200 nits (peak). It is protected by Corning Gorilla Glass 7i and supports Dolby Vision, sunlight mode, and reading mode. The Wet Touch technology enhances touch accuracy even with moisture on the screen.

Image: Display specifications for the Poco X7 Pro 5G, detailing 2712x1220 resolution, 446PPI, 5,000,000:1 contrast ratio, DCI P3 color gamut, 3200 nits

Pantalla AMOLED CrystalRes 1.5K 120 Hz*
Marco ultrafino para una visualización de primera calidad

Resistencia al agua y al polvo IP68*
Resistencia de nivel insignia para una protección sólida

3200n

Image: The Poco X7 Pro 5G's AMOLED CrystalRes 1.5K 120Hz display with a narrow bezel, and a separate image illustrating IP68 dust and water resistance with water droplets on the phone's edge.

4.2. Performance

Powered by the flagship Dimensity 8400-Ultra 4nm manufacturing process, the Poco X7 Pro 5G features an Octa-core CPU with speeds up to 3.25GHz and a Mali-G720 GPU. This configuration ensures superior performance for gaming and multitasking. The device incorporates WildBoost Optimization 3.0 and LiquidCool Technology 4.0 (POCO 3D IceLoop system) to enhance performance, graphics, and maintain optimal temperatures during intensive use.

Image: Visual representation of the Dimensity 8400-Ultra processor, emphasizing its flagship status and advanced technology.

4.3. Camera

The rear camera system includes a 50MP main camera with OIS (Optical Image Stabilization), an f/1.5 aperture, and a 1/1.95" sensor size. It also features an 8MP ultra-wide camera with an f/2.2 aperture. Photography features include Dynamic shots, Motion tracking focus, 50MP mode, Portrait mode, Night mode, and HDR. Video recording supports 4K at 24/30/60fps, 1080p at 30/60fps, and slow motion up to 960fps. The 20MP front camera (OV20B, 1/4" sensor size, f/2.2) includes a soft-light ring, AI beautify, and portrait mode.

4.4. Battery and Charging

The Poco X7 Pro 5G is equipped with a 6000mAh (typical) battery, providing extended usage. It supports 90W HyperCharge, allowing for rapid charging. A 90W in-box charger and USB-C cable are included. The device features the self-developed Surge P2 chip and Surge G1 battery chipset for efficient and safe charging.

14,5 horas de uso continuo

20+ hours*
Ver vídeos

17+ hours*
Reproducir música

12+ hours*
Navegación

8+ hours*
Jugar a PUBG

Image: Graphic illustrating battery life estimates for the Poco X7 Pro 5G, showing 20+ hours for video, 17+ hours for music, 12+ hours for browsing, and 8+ hours for gaming.

Image: Image highlighting the 6000mAh battery and 90W HyperCharge feature of the Poco X7 Pro 5G, with a phone partially visible.

5. CONNECTIVITY

The device offers comprehensive connectivity options:

- **Wireless Networks:** Wi-Fi Protocol 802.11a/b/g/n/ac/ax, Bluetooth 5.4
- **Navigation:** GPS (L1+L5), Galileo (E1+E5a), GLONASS (G1), Beidou (B1I+B2a+B1C), QZSS (L1), NavIC (L5), A-GPS supplementary positioning
- **NFC:** Supported for contactless payments and data transfer.
- **Audio Jack:** 3.5 mm

6. SECURITY FEATURES

Your Poco X7 Pro 5G includes advanced security features to protect your data:

- **In-screen Fingerprint Sensor:** For quick and secure unlocking.

- **AI Face Unlock:** Convenient facial recognition for access.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Poco X7 Pro 5G, follow these maintenance guidelines:

- Keep the device clean using a soft, dry cloth. Avoid abrasive materials or harsh chemicals.
- Protect the screen with a screen protector and use the provided phone case to prevent physical damage.
- Avoid exposing the phone to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture, despite its IP68 rating.
- Regularly update the operating system (HyperOS) and applications to benefit from the latest security patches and performance improvements.
- Manage storage by regularly clearing unnecessary files and apps to maintain device speed.

8. TROUBLESHOOTING

If you encounter issues with your Poco X7 Pro 5G, consider these common troubleshooting steps:

- **Device Unresponsive:** Press and hold the Power button for about 10-15 seconds to force a restart.
- **Network Issues:** Check if your SIM card is properly inserted. Toggle Airplane Mode on and off. Verify your mobile data settings.
- **Battery Draining Quickly:** Reduce screen brightness, close background apps, and check for app updates.
- **App Crashes:** Clear the cache and data for the problematic app in Settings > Apps. If the issue persists, reinstall the app.
- **Software Glitches:** Ensure your HyperOS is up to date. A factory reset can resolve persistent software issues, but remember to back up your data first.

9. SPECIFICATIONS

Feature	Specification
Model Name	Poco X7 Pro 5G (2412DPC0AG)
Brand	XIAOMI
Operating System	HyperOS Base on Android 14
CPU Model	Mediatek Dimensity 8400-Ultra
CPU Speed	Up to 3.25 GHz
RAM Memory Installed Size	8 GB
Memory Storage Capacity	256 GB
Screen Size	6.67 Inches
Resolution	2712 x 1220 (1.5K)

Feature	Specification
Refresh Rate	120 Hz
Battery Capacity	6000 Milliamp Hours (typ)
Charging	90W HyperCharge
Main Camera	50MP with OIS
Ultra-wide Camera	8MP
Front Camera	20MP
Connectivity Technologies	5G, 4G LTE, Bluetooth 5.4, Wi-Fi 802.11a/b/g/n/ac/ax
Special Features	4K Video Recording, In-screen Fingerprint Sensor, AI Face Unlock, NFC, IP68 Dust and Water Resistance
Product Dimensions	7.09 x 3.15 x 2.36 inches
Item Weight	1.14 pounds (0.52 Kilograms)

10. WARRANTY AND SUPPORT

Your XIAOMI Poco X7 Pro 5G comes with a standard manufacturer's warranty. For detailed warranty information, terms, and conditions, please refer to the warranty card included in your product packaging or visit the official XIAOMI website. For technical support, troubleshooting assistance, or service inquiries, please contact XIAOMI customer support through their official channels.

You can also visit the official XIAOMI Store on Amazon for more product information and accessories.