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XIAOMI Poco X8 Pro MAX 5G

XIAOMI Poco X8 Pro Max 5G User Manual

Model: Poco X8 Pro MAX 5G (2602BPC18G)

1. Introduction

This manual provides essential information for setting up, operating, and maintaining your XIAOMI Poco X8 Pro Max 5G smartphone. Please read it carefully to ensure proper use and to maximize your device's capabilities.

What's in the Box:

- XIAOMI Poco X8 Pro Max 5G Smartphone
- Adapter
- Phone Case
- USB Cable



Figure 1: XIAOMI Poco X8 Pro Max 5G Smartphone (Black)

The Poco X8 Pro Max 5G features an ultra-fast Dimensity 9500s 3nm flagship platform, a massive 8500mAh battery with 100W HyperCharge, and a 6.83-inch 1.5K 120Hz AMOLED display. It is equipped with a 50MP main camera and runs on HyperOS based on Android 16.

2. Setup

2.1 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 firmly until the tray pops out.
3. Place your Nano SIM card(s) or eSIM into the tray with the gold contacts facing down. Ensure the card is correctly oriented.
4. Carefully reinsert the tray into the device.

Note: This device supports Dual SIM (nano SIM + nano SIM or nano SIM + eSIM). It does not support Micro SD cards. For USA market, it is compatible with T-Mobile, Mint, Tello, or any carrier under the T-Mobile network. An already activated SIM card is required. Outside USA, it works with any GSM carrier SIM.



Figure 2: Front view of the device, showing the display and punch-hole camera.

2.2 Initial Power On and Configuration

1. Press and hold the Power button on the side of the device until the XIAOMI logo appears.
2. Follow the on-screen instructions to complete the initial setup, including language selection, Wi-Fi connection, and Google account login.
3. Configure security features such as fingerprint recognition and AI Face Unlock for enhanced device security.

3. Operating the Device

3.1 Display Features

The Poco X8 Pro Max 5G features a 6.83-inch 1.5K 120Hz ultra-bright AMOLED display with a resolution of 2772 x 1280 pixels. It offers a contrast ratio of 8,000,000:1 and a peak brightness of 3500 nits (HBM brightness: 2000 nits, Typical brightness: 800 nits). The display supports 12-bit color depth (68 billion colors), DCI-P3 wide display 2.0, HDR10+, and Dolby Vision. It is protected by Corning Gorilla Glass 7i and certified by TÜV Rheinland for Low Blue Light (Hardware Solution), Flicker Free, and Circadian Friendly.

- **Refresh Rate:** The display supports up to 120Hz refresh rate, which can be adjusted dynamically for supported apps to balance performance and power consumption.
- **Touch Sampling Rate:** Up to 480Hz touch sampling rate is activated under Game Turbo Mode, with 2560Hz instant touch sampling rate also available in this mode.
- **Reading Mode:** Adjusts colors and textures for comfortable reading.
- **Dark Mode:** Offers options to switch to dark mode automatically or for individual apps.
- **Advanced Textures:** Adds rendering effects like blurring for an enhanced visual experience.

3.2 Software and AI Features (HyperOS)

The device runs on HyperOS based on Android 16, offering a feature-rich and customizable user experience. It includes a dedicated Xiaomi HyperAI section with various AI-based functionalities:

- **AI Writing:** Improves writing and generates text.
- **AI Dynamic Wallpapers:** Brings wallpapers to life.
- **AI Creativity Assistant:** Helps create and edit photos and videos.
- **AI Speech Recognition:** Transcribes audio to text, distinguishes speakers, translates, and creates summaries.
- **AI Translate Conversation:** Translates offline, face-to-face conversations.
- **AI Interpreter:** Simultaneous interpretation for calls and conferences.
- **AI Subtitles:** Transcribes video calls and meetings, and translates audio into bilingual subtitles.

3.3 Connectivity

The Poco X8 Pro Max 5G supports advanced connectivity options:

- **Wi-Fi:** Wi-Fi 7/ Wi-Fi 6/ Wi-Fi 5/ Wi-Fi 4 and 802.11a/b/g, supporting Multi-Link Operation, 2x2 MIMO, 8x8 Sounding for MU-MIMO, Wi-Fi Direct, Miracast.
- **Bluetooth:** Bluetooth 6.0, Dual-Bluetooth, supports SBC / AAC / LDAC / LHDC 5.0 / LC3 / ASHA / Auracast.
- **NFC:** For contactless payments and quick pairing.
- **5G Connectivity:** Supports 5G SA/NSA (n1/2/3/5/7/8/20/26/28/38/40/41/66/71/77/78/48).

4. Camera Features

The Poco X8 Pro Max 5G is equipped with a versatile camera system:

- **50MP Main Camera:** Features Light Fusion 600 image sensor, 1.6µm 4-in-1 Super Pixel, f/1.5 aperture, 1/1.95" sensor size, 6P lens, and Optical Image Stabilization (OIS).
- **8MP Ultra-Wide Camera:** With f/2.2 aperture.



Figure 3: Rear camera module with 50MP OIS camera and LED flash.

4.1 Photography Features

- Dynamic shots

- Motion capture
- Documents mode
- Motion tracking focus
- Portrait mode
- Pro mode
- 50MP mode
- Voice shutter
- HDR
- Panorama
- Long exposure
- Timed burst

4.2 Video Recording

- 4K (3840x2160) video recording at 30 fps, or 60 fps
- 1080p (1920x1080) HD video recording at 30 fps, or 60 fps
- 720p (1280x720) HD video recording at 30 fps
- **Slow motion video:** 720p (1280x720) at 120fps / 240fps / 960fps; 1080p (1920x1080) at 120fps / 240fps / 960fps

5. Gaming Performance

Designed for gamers, the Poco X8 Pro Max 5G delivers ultra-fast performance:

- **Processor:** MediaTek Dimensity 9500s, built on a 2nd-gen 3nm manufacturing process, with an all-big-core design and a max clock speed of up to 3.73GHz.
- **Cooling System:** POCO 3D IceLoop cooling system with a 5800mm² ultra-large LHP area and an 11000mm² graphite layer for maximum heat dissipation.
- **Optimization:** WildBoost Optimization for frame recovery in heavy-load scenarios, ensuring stable frame rates and lower power consumption during gaming.



Figure 4: The Poco X8 Pro Max 5G offers an immersive gaming experience.

6. Battery and Charging

- **Battery Capacity:** Massive 8500mAh (typical) battery with 16% ultra-high silicon-carbon content and 847 Wh/L energy density for extended battery life.
- **HyperCharge:** 100W HyperCharge recharges the phone to 50% in just 24 minutes. Supports 100W PPS universal charging protocol.
- **Reverse Charging:** Up to 27W reverse charging via USB Type-C port.
- **Smart Charging:** Intelligently adjusts charging speed based on battery level, temperature, and app usage to control phone temperature and extend battery lifespan.
- **Cold Endurance Mode:** Limits device performance to extend battery life in cold environments.

7. Maintenance

7.1 Software Updates

Regular software updates are provided to enhance device performance, security, and introduce new features. Ensure your device is connected to Wi-Fi and has sufficient battery before initiating an update.

7.2 Cleaning Your Device

Use a soft, lint-free cloth to clean the screen and body of your phone. Avoid using harsh chemicals or abrasive materials that could damage the device. The device is not water resistant.

8. Troubleshooting

If you encounter any issues with your device, please refer to the following general troubleshooting steps:

- **Device not responding:** Press and hold the Power button for about 10 seconds to force restart the device.
- **App crashes:** Clear the cache and data of the problematic app in Settings > Apps. If the issue persists, uninstall and reinstall the app.
- **Battery drain:** Check battery usage in Settings > Battery to identify apps consuming excessive power. Adjust settings like screen brightness and background app refresh.
- **Connectivity issues:** Toggle Wi-Fi or Bluetooth off and on. Restart your device. For mobile network issues, ensure your SIM card is properly inserted and activated.

For more detailed troubleshooting or persistent issues, please contact customer support or visit an authorized service center.

9. Specifications

Feature	Specification
Brand	XIAOMI
Model Name	Poco X8 Pro MAX 5G
Operating System	HyperOS Base on Android 16
CPU Model	1.2GHz Cortex A8 Processor (Dimensity 9500s)
RAM Memory Installed Size	12 GB

Feature	Specification
Memory Storage Capacity	256 GB
Screen Size	6.83 Inches
Resolution	2772 x 1280
Refresh Rate	120 Hz
Display Type	AMOLED
Rear Facing Camera Photo Sensor Resolution	50 MP (Main) + 8 MP (Ultra-wide)
Front Photo Sensor Resolution	50 MP
Battery Capacity	8500 Milliamp Hours (typ)
Charging	100W HyperCharge, 27W Reverse Charging
Connectivity Technology	5G, Wi-Fi 7, Bluetooth 6.0, NFC
SIM Card Slot Count	Dual SIM (Nano SIM + Nano SIM or Nano SIM + eSIM)
Biometric Security Feature	Fingerprint Recognition, Face Recognition
Water Resistance Level	Not Water Resistant

10. Warranty and Support

10.1 Warranty Information

This product comes with a 30-day warranty. Please retain your proof of purchase for any warranty claims.

10.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official XIAOMI Store or contact their customer service. You can find more information at the XIAOMI Store on Amazon.

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