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Xiaomi Xiaomi 17 Ultra

Xiaomi 17 Ultra Ai 5G Smartphone User Manual

Model: 25128PNA1C

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Xiaomi 17 Ultra Ai 5G smartphone. Please read this guide thoroughly to ensure optimal performance and longevity of your device.



Image 1.1: Xiaomi 17 Ultra Ai 5G Smartphone (White variant).
The Xiaomi 17 Ultra Ai 5G is a high-performance smartphone featuring advanced camera technology, a powerful processor, and a vibrant display. This image displays the front and back of the white model, highlighting its sleek design and prominent camera module.

Key Features:

- **Leica Summilux Optical Lens System:** Featuring a 200MP 75-100mm telephoto camera and a 50MP main camera with a 1-inch sensor.
- **Snapdragon 8 Elite Gen 5 Mobile Platform:** For state-of-the-art performance and efficiency.
- **6.9" Xiaomi HyperRGB OLED Display:** With 2608 x 1200 resolution, 1-120Hz refresh rate, and 3500 nits peak

brightness.

- **6000mAh Xiaomi Surge Battery:** Supporting 90W wired and 50W wireless HyperCharge.
- **Advanced AI Features:** Including Circle to Search with Google, Gemini AI, AI Interpreter, and more.
- **Dual Nano SIM + eSIM Support:** For flexible connectivity.
- **Xiaomi Shield Glass 3.0:** Enhanced durability for the display.

2. Setup Guide

2.1 Package Contents

Before proceeding, verify that your package contains the following items:

- Xiaomi 17 Ultra Ai 5G Mobile Phone
- USB Type-C Cable
- SIM Eject Tool
- Protective Case
- Safety Information
- Quick Start Guide and Warranty Card
- Desiccant

Note: The availability of a power adapter may vary by region. Wireless chargers are sold separately.

2.2 SIM Card Installation

The Xiaomi 17 Ultra Ai 5G supports Dual Nano SIM cards and eSIM functionality. It does not support microSD cards.

1. Locate the SIM card tray on the side of your device.
2. Insert the SIM eject tool into the small hole on the SIM tray and press firmly until the tray pops out.
3. Place your Nano SIM card(s) into the designated slots on the tray, ensuring the gold contacts face downwards and the cut corner aligns correctly.
4. Carefully reinsert the SIM tray into the phone until it clicks into place.
5. To activate an eSIM, navigate to the phone's settings menu and follow the on-screen instructions for eSIM setup.

2.3 Initial Power-On and Configuration

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 preferred screen lock method (PIN, pattern, password, fingerprint, or AI face unlock).
5. Review and accept the terms and conditions to complete the initial setup.

3. Operating Instructions

3.1 Display and Navigation

Your Xiaomi 17 Ultra features a 6.9-inch Xiaomi HyperRGB OLED display with a resolution of 2608 x 1200 pixels. The display supports a dynamic refresh rate from 1Hz to 120Hz and a touch sampling rate of up to 300Hz for smooth interactions. It also boasts 3500 nits multi-scenario peak brightness, HDR10+, Dolby Vision, and eye-care certifications.

- **Navigation Gestures:** Swipe up from the bottom for Home, swipe up and hold for Recent Apps, swipe from the left

or right edge for Back.

- **Control Center:** Swipe down from the top-right corner of the screen to access quick settings and controls.
- **Notifications:** Swipe down from the top-left corner to view notifications.

3.2 Camera System

The device is equipped with a professional-grade Leica camera system:

- **Main Camera:** 50MP with Light Fusion 1050L image sensor (1-inch sensor size, $f/1.67$, OIS, 23mm equivalent focal length).
- **Telephoto Camera:** 200MP 75-100mm with Samsung HPE image sensor (1/1.4" sensor size, $f/2.39$-$f/2.9$, Leica APO optical lens, mechanical optical zoom). Supports optical-quality zoom up to 400mm.
- **Video Recording:** Supports 8K video at 30fps, 4K Dolby Vision video at 30/60/120fps, and Log video recording up to 4K at 120fps.

To use the camera, open the Camera app and select your desired mode (Photo, Portrait, Video, Pro, etc.). Tap the shutter button to capture images or start/stop video recording.

3.3 Performance and AI Features

Powered by the Snapdragon 8 Elite Gen 5 Mobile Platform (3nm manufacturing process) and 16GB RAM, the Xiaomi 17 Ultra delivers exceptional performance. It includes 512GB of internal storage.
The device integrates advanced AI functionalities:

- **Circle to Search with Google:** Circle an object on your screen to instantly search for information.
- **Google Gemini AI:** Access advanced generative AI capabilities.
- **AI Interpreter:** Real-time language translation.
- **AI Notes, AI Recorder, AI Subtitles:** Enhance productivity and accessibility.
- **AI Film, AI Image Editing, AI Portrait:** Creative tools for media.
- **AI Writing, AI Speech Recognition, AI Search, AI Dynamic Wallpapers, AI Creativity Assistant:** Various intelligent assistants.

3.4 Battery and Charging

The Xiaomi 17 Ultra is equipped with a 6000mAh (typical) Xiaomi Surge Battery. It supports:

- **90W Wired HyperCharge:** For rapid charging using the compatible USB Type-C cable and charger.
- **50W Wireless HyperCharge:** Requires a compatible wireless charger (sold separately).

To charge, connect the USB Type-C cable to the phone's charging port and to a power adapter. For wireless charging, place the phone on a compatible wireless charging pad.

3.5 Connectivity

The device offers comprehensive connectivity options:

- **Cellular:** 5G (NSA + SA), LTE FDD/TDD, 3G UMTS, 2G GSM. Supports 4x4 MIMO.
- **Wi-Fi:** Supports various Wi-Fi standards.
- **Bluetooth:** For connecting to wireless accessories.
- **NFC:** For contactless payments and data transfer.
- **GPS:** L1+L5, Galileo E1+E5a, GLONASS G1, Beidou, QZSS L1+L5, NavIC L5.

3.6 Security Features

Your device includes multiple security features to protect your data:

- **Ultrasonic In-Screen Fingerprint Sensor:** For quick and secure unlocking.
- **AI Face Unlock:** Uses facial recognition for convenient access.

These can be configured in the Security & Privacy settings menu.

4. Maintenance

Proper care ensures the longevity and optimal performance of your Xiaomi 17 Ultra Ai 5G.

- **Screen Care:** The device features Xiaomi Shield Glass 3.0, offering enhanced drop resistance. However, avoid placing the phone with sharp objects and use a screen protector for additional protection. Clean the screen with a soft, lint-free cloth.
- **General Cleaning:** Use a soft, slightly damp cloth to clean the phone's body. Avoid harsh chemicals, abrasive materials, or excessive moisture.
- **Software Updates:** Regularly check for and install system updates to ensure your device has the latest features, security patches, and performance improvements. These can typically be found in Settings > About phone > System update.
- **Battery Health:** To prolong battery life, avoid extreme temperatures and do not leave the phone fully charged or fully discharged for extended periods.

5. Troubleshooting

5.1 Network Connectivity Issues

Important Compatibility Note for USA Users:
This is an International Model. In the USA, it is**ONLY COMPATIBLE** with T-Mobile, Mint Mobile, and Tello. It**DOES NOT WORK** with Verizon, Sprint, Boost Mobile, Metro PCS, AT&T, or Cricket Wireless. Ensure your carrier is supported before troubleshooting network issues.

- **No Signal/Limited Service:**
    a. Verify SIM card is correctly inserted.
    b. Check if your carrier is supported (refer to the compatibility note above).
    c. Restart your phone.
    d. Go to Settings > SIM cards & mobile networks and ensure your SIM is enabled and mobile data is on.
    e. Try resetting network settings (Settings > Connection & sharing > Reset Wi-Fi, mobile networks, and Bluetooth).
- **Wi-Fi Connection Problems:**
    a. Ensure Wi-Fi is enabled on your phone.
    b. Restart your Wi-Fi router.
    c. Forget the network in your phone's Wi-Fi settings and reconnect.

5.2 Device Unresponsive or Freezing

- **Force Restart:** Press and hold the Power button for approximately 10-15 seconds until the device restarts.
- **Close Background Apps:** If the device is slow, close unnecessary applications running in the background.

- **Clear Cache:** Regularly clear app caches in Settings > Apps > Manage apps > [Select App] > Clear data > Clear cache.
- **Factory Reset (Last Resort):** If issues persist, you may need to perform a factory reset.**WARNING: This will erase all data on your phone. Back up important data before proceeding.** Go to Settings > About phone > Factory reset.

5.3 Battery Draining Quickly

- Check battery usage in Settings > Battery to identify power-hungry apps.
- Reduce screen brightness and set a shorter screen timeout.
- Disable unnecessary features like GPS, Bluetooth, or Wi-Fi when not in use.
- Ensure all apps and the operating system are up to date.

6. Specifications

Detailed technical specifications for the Xiaomi 17 Ultra Ai 5G (Model 25128PNA1C).

Feature	Specification
Brand	Xiaomi
Model Name	Xiaomi 17 Ultra
Model Number	25128PNA1C
Operating System	Hyper OS
Processor	Snapdragon 8 Elite Gen 5 Mobile Platform (3nm, up to 4.6GHz)
RAM	16 GB
Storage	512 GB
Screen Size	6.9 inches
Display Type	Xiaomi HyperRGB OLED
Resolution	2608 x 1200 pixels
Refresh Rate	1-120Hz
Peak Brightness	3500 nits (multi-scenario)
Rear Camera System	Leica 200MP Telephoto (75-100mm), Leica 50MP Main (1-inch sensor)
Front Camera	50 MP

Feature	Specification
Video Recording	Up to 8K at 30fps, 4K Dolby Vision at 120fps
Battery Capacity	6000mAh (typical)
Wired Charging	90W HyperCharge
Wireless Charging	50W HyperCharge
SIM Support	Dual Nano SIM + eSIM
Connectivity	5G, LTE, 3G, 2G, Wi-Fi, Bluetooth, NFC, GPS
Biometric Security	Ultrasonic In-Screen Fingerprint, AI Face Unlock
Sensors	Proximity, Ambient light, Accelerometer, Gyroscope, Electronic compass, X-axis linear vibration motor, IR blaster, Flicker sensor, Laser focus sensor, Barometer, Hall sensor
Durability	Xiaomi Shield Glass 3.0

7. Warranty and Support

Important Warranty Information:

This Xiaomi 17 Ultra Ai 5G is an **International Model**. As such, there is **NO WARRANTY IN THE US**. Please consult your point of purchase or local Xiaomi distributor for warranty information applicable to your region.

For further support, you can visit the official Xiaomi website or contact their customer service in your region. Keep your purchase receipt and product packaging for any potential service inquiries.

For more information, you can visit the Xiaomi Store on Amazon.

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