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XIAOMI 2201123G12

XIAOMI 12 5G Smartphone User Manual

Model: 2201123G12

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1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your XIAOMI 12 5G smartphone. Please read it carefully to ensure optimal use of your device.



Figure 1: Front and back view of the XIAOMI 12 5G smartphone. The device features a sleek design with a curved display and a prominent rear camera module.

Key Features:

- **Processor:** Snapdragon® 8 Gen 1 (4nm power-efficient manufacturing process)
- **Display:** 6.28" AMOLED DotDisplay, 120Hz refresh rate, 2400 x 1080 resolution
- **Camera:** 50MP wide-angle main camera with OIS, 13MP ultra-wide angle camera, 5MP telemacro camera. 32MP front camera.
- **Memory & Storage:** 8GB RAM, 256GB internal storage.
- **Cooling:** LiquidCool Technology (Super big VC + Multilayer graphite sheets+BN film).
- **Network:** 5G + 4G VoLTE Worldwide Unlocked Dual Nano SIM.
- **Security:** In-screen fingerprint sensor, AI Face Unlock.

2. SETUP

2.1 Package Contents

Ensure all items are present in your product box:

- XIAOMI 12 5G Smartphone
- Power Adapter
- USB Type-C Cable
- SIM Eject Tool
- Protective Case (may vary by region)

- Quick Start Guide and Warranty Card (this document serves as a comprehensive guide)

2.2 Inserting the SIM Card

1. Locate the SIM card tray on the side of your device.
2. Insert the SIM eject 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. Ensure proper orientation as indicated on the tray.
4. Carefully push the tray back into the slot until it is flush with the device.
5. **Note:** This device supports Dual Nano SIM cards. It does not support CDMA carriers like Verizon, Boost, AT&T, Cricket, or Metro PCS.

2.3 Powering On/Off

- **To Power On:** Press and hold the Power button (located on the right side of the device) until the XIAOMI logo appears on the screen.
- **To Power Off:** Press and hold the Power button until the power menu appears, then tap "Power off".
- **To Restart:** Press and hold the Power button until the power menu appears, then tap "Restart".

2.4 Initial Setup Wizard

Follow the on-screen instructions to complete the initial setup, including:

- Selecting your language and region.
- Connecting to a Wi-Fi network.
- Setting up your Google account.
- Configuring screen lock (PIN, pattern, password, fingerprint, face unlock).
- Restoring data from a previous device (optional).

3. OPERATING YOUR DEVICE

3.1 Display and Navigation

The 6.28" AMOLED DotDisplay offers vibrant colors and smooth scrolling with its 120Hz refresh rate. Navigate using intuitive gestures or traditional navigation buttons.

- **Home Screen:** Swipe left or right to access different home screen panels.
- **App Drawer:** Swipe up from the bottom of the screen to open the app drawer (if enabled).
- **Notifications & Quick Settings:** Swipe down from the top of the screen to view notifications and quick settings toggles.
- **Recent Apps:** Swipe up and hold from the bottom of the screen (gesture navigation) or tap the square button (button navigation) to view recent applications.

3.2 Camera Usage

The XIAOMI 12 5G features a versatile camera system for various photography needs.



Figure 2: Detailed view of the triple rear camera setup on the XIAOMI 12 5G, highlighting the 50MP main sensor.

- **Main Camera:** The 50MP wide-angle camera with Optical Image Stabilization (OIS) is ideal for everyday photos and low-light conditions.
- **Ultra-Wide Camera:** The 13MP ultra-wide lens captures broader scenes, perfect for landscapes or group photos.
- **Telemacro Camera:** The 5MP telemacro lens allows for detailed close-up shots (3cm-7cm focus).
- **Front Camera:** The 32MP front camera is designed for high-quality selfies and video calls.
- **Night Mode:** Utilize Night mode for enhanced photos in low-light environments on both wide and ultra-wide cameras.
- **Video Recording:** Supports up to 8K video recording at 24fps, and various slow-motion options.

3.3 Security Features

Secure your device and data with multiple unlocking options:

- **In-Display Fingerprint Sensor:** Register your fingerprints for quick and secure unlocking.
- **AI Face Unlock:** Use your face to unlock the device conveniently.
- **PIN/Pattern/Password:** Standard security methods for device access.

4. CONNECTIVITY

4.1 Network Compatibility

The XIAOMI 12 5G is a global unlocked device, supporting a wide range of network bands:

- **5G:** Supports NSA + SA n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n66/n77/n78

- **4G LTE FDD:** B1/2/3/4/5/7/8/12/13/17/18/19/20/26/28/32/66
- **4G LTE TDD:** B38/39/40/41/42/48
- **3G WCDMA:** B1/2/4/5/6/8/19
- **2G GSM:** 850 900 1800 1900 MHz
- Supports 4x4 MIMO.
- **Important:** This device will NOT work on Verizon, AT&T/BOOST/CRICKET/METRO PCS or any CDMA Carrier.

4.2 Wireless Technologies

- **Wi-Fi 6:** For high-speed wireless internet access.
- **Bluetooth 5.1:** For connecting wireless accessories like headphones and speakers.
- **GPS:** L1+L5 Galileo: E1+E5a | GLONASS: G1 | Beidou | NavIC: L5 A-GPS supplementary positioning.
- **NFC:** For contactless payments and quick pairing with compatible devices.
- **IR Blaster:** Allows your phone to act as a universal remote control for various home appliances.

5. BATTERY & CHARGING

The XIAOMI 12 5G is equipped with a 4500 mAh (typical) battery, providing ample power for daily use.

- **Fast Charging:** Supports fast charging, allowing the device to reach full charge in approximately 53 minutes.
- **Wireless Charging:** The device supports wireless charging for added convenience.
- **Battery Optimization:** MIUI 13 (Android 12) includes various battery optimization features to extend battery life. Manage app usage and background activity in Settings > Battery.

6. MAINTENANCE

6.1 General Care

- Keep your device dry. Moisture can damage electronic circuits.
- Avoid extreme temperatures. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Use a soft, dry cloth to clean the device.
- Handle with care. Dropping, knocking, or shaking the device can damage internal components.

6.2 Software Updates

Regular software updates are provided to enhance performance, add new features, and improve security. Check for updates in Settings > About phone > MIUI version.

7. TROUBLESHOOTING

If you encounter issues with your device, try the following basic troubleshooting steps:

- **Device Not Responding:** Press and hold the Power button for about 10 seconds to force a restart.
- **App Crashing:** Clear the app's cache and data in Settings > Apps > [App Name] > Storage, or uninstall and reinstall the app.
- **Network Issues:** Check your SIM card installation, restart your device, or reset network settings in Settings > Connection & sharing > Reset Wi-Fi, mobile networks, and Bluetooth.

- **Battery Drain:** Review battery usage in Settings > Battery to identify apps consuming excessive power. Adjust screen brightness and disable unnecessary features like GPS or Bluetooth when not in use.
- **Overheating:** Close background applications, reduce screen brightness, and avoid using the device while charging or in direct sunlight. The LiquidCool Technology helps manage internal temperatures.

For more complex issues, refer to the official XIAOMI support website or contact customer service.

8. SPECIFICATIONS

Feature	Detail
Model Number	2201123G12
Dimensions	5.98 x 2.76 x 0.31 inches
Weight	6 ounces (180g)
Operating System	MIUI 13, Android 12 (upgradable)
Processor	Snapdragon® 8 Gen 1 (1x Prime core 3.0GHz, 3x Gold cores 2.5GHz, 4x Silver cores 1.8GHz)
GPU	Qualcomm Adreno GPU
RAM	8 GB
Internal Storage	256 GB
Display Size	6.28" AMOLED DotDisplay
Display Resolution	2400 x 1080 (419 ppi)
Refresh Rate	120Hz
Touch Sampling Rate	Up to 480Hz
Display Protection	Corning® Gorilla® Glass Victus®
Rear Camera	50MP (wide, OIS) + 13MP (ultra-wide) + 5MP (telemacro)
Front Camera	32MP
Video Recording	Up to 8K at 24fps
Battery Capacity	4500 mAh (typical)
Charging	Fast Charging (approx. 53 mins to full), Wireless Charging

Feature	Detail
Wireless Connectivity	Wi-Fi 6, Bluetooth 5.1, NFC, GPS
Sensors	Proximity sensor, Ambient light sensor, Accelerometer, Gyroscope, Electronic compass, Linear motor, IR blaster, In-display fingerprint sensor
SIM Type	Dual Nano SIM

9. WARRANTY & SUPPORT

Your XIAOMI 12 5G smartphone comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

For technical support, service, or additional information, please visit the official XIAOMI support website or contact their customer service. Details can typically be found on the XIAOMI official website or the warranty card included in your package.

Note: The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

