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› Motorola Moto Edge 70 5G Ai (XT2601-3) User Manual

Motorola XT2601-3

Motorola Moto Edge 70 5G Ai (XT2601-3) User Manual

1. OVERVIEW

The Motorola Moto Edge 70 5G Ai is a slim and lightweight smartphone designed for optimal performance and user experience. It features a powerful camera system, a vibrant display, and robust durability features. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1: Motorola Moto Edge 70 5G Ai in Gadget Gray.

2. SETUP

2.1. Package Contents

Upon unboxing your Motorola Moto Edge 70 5G Ai, you will find the following items:

- Motorola Moto Edge 70 5G Ai Smartphone
- 68W TurboPower USB PD Charger (US Specs)
- USB Type-C to Type-C Cable

- SIM Ejector Tool
- Phone Case

Note: If you receive a Euro Charger, please return the phone immediately and contact Amazon.

2.2. SIM Card Installation

The device supports Dual SIM functionality (1 Nano SIM + eSIM). It does NOT include a MicroSD slot.

1. Locate the SIM card tray on the bottom edge of the phone.
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 into the designated slot on the tray.
4. Carefully reinsert the tray into the phone.

2.3. Initial Power-On and Configuration

Press and hold the Power button until the Motorola logo appears. Follow the on-screen prompts to complete the initial setup. The device runs on Hello UI with Android 16 out of the box.

Important: During the setup process, be cautious of pre-selected options for installing third-party applications (bloatware) or enabling features like Glance integration. It is recommended to deselect these options for a cleaner user experience.

3. OPERATING THE DEVICE

3.1. Display

The Moto Edge 70 5G Ai features a 6.67-inch Extreme AMOLED display with 1.5K resolution (2712 x 1220 pixels) and a pixel density of 446 ppi. It offers a 120Hz refresh rate and a peak brightness of 4500 nits, ensuring crisp visuals and vibrant colors, especially with its Pantone Validated Colors. The display is protected by Corning Gorilla Glass 7i.



Figure 2: The vibrant 6.67-inch Extreme AMOLED display.

3.2. Buttons and Ports

The device is equipped with the following physical controls and ports:

- **Volume Rocker:** Located on the side for adjusting audio levels.
- **Power Button:** Located on the side for power control and screen lock/unlock.
- **AI Key:** A dedicated button for accessing AI features.
- **USB Type-C 2.0 Port:** Located at the bottom for charging and data transfer.
- **Speaker Grille:** Located at the bottom, providing stereo audio output in conjunction with the earpiece.
- **Microphone:** Integrated for voice input.

WARNING
PLEASE CHECK IF YOUR CARRIER IS COMPATIBLE WITH THE PHONE
GSM UNLOCKED



Figure 3: Side profile of the Motorola Moto Edge 70 5G Ai, highlighting button placement.

3.3. Security Features

For enhanced security, the Moto Edge 70 5G Ai includes:

- **On-screen Fingerprint Reader:** An optical sensor integrated into the display for quick and secure unlocking.
- **Face Unlock:** Utilizes the front camera for convenient facial recognition.

3.4. Software Experience

The device runs on Hello UI based on Android 16, offering a clean and intuitive user interface. Key software features include:

- **Moto Gestures:** Customizable gestures for quick actions.

- **Smart Connect 2.0:** For seamless device connectivity and management.
- **Moto Secure:** Enhanced security features to protect your data.
- **Family Space:** Tools for managing family device usage.
- **AI Experiences:** Integration with Google Gemini, Circle to Search, Remember This, Image Studio, and Playlist Studio for advanced AI functionalities.

3.5. Connectivity

The Moto Edge 70 5G Ai offers comprehensive connectivity options:

- **5G:** Supports 16 5G bands for high-speed mobile data.
- **4G VoLTE:** For high-quality voice calls over LTE networks.
- **Wi-Fi:** Wi-Fi 802.11 a/b/g/n/ac/ax (2.4 GHz | 5 GHz | 6 GHz), Wi-Fi 6E.
- **Bluetooth:** Version 5.4.
- **NFC:** For contactless payments and data exchange.

4. CAMERA FEATURES

The Motorola Moto Edge 70 5G Ai is equipped with a versatile camera system:

4.1. Rear Cameras

- **50MP Primary Camera:** Features Optical Image Stabilization (OIS) for steady shots.
- **50MP Ultrawide Camera:** Includes Autofocus (AF) and Macro capability for detailed close-up shots.
- **3-in-1 Dedicated Light Sensor:** Enhances color accuracy and overall image quality.

4.2. Front Camera

- **50MP Selfie Camera:** Delivers high-resolution selfies.

4.3. Video Recording

The device supports various video recording modes:

- **Rear Camera:** 4K UHD (30fps), FHD (30fps), Slow motion: FHD (240fps/120fps).
- **Front Camera:** 4K UHD (30fps), FHD (30fps), Slow motion: FHD (240fps/120fps).

4.4. Image Quality Notes

The camera system generally produces images with natural colors and excellent HDR tuning, effectively managing highlights and shadows. While primary details are good, some noise may be noticeable in shadows at 100% zoom due to less aggressive noise processing. Color consistency between the primary and ultrawide lenses can sometimes vary. Macro shots taken with the ultrawide camera are notably detailed for a mid-range phone.

5. PERFORMANCE

The Motorola Moto Edge 70 5G Ai is powered by a robust processor and ample memory for smooth operation.

5.1. Processor and Memory

- **Processor:** Qualcomm SM7750-AB Snapdragon 7 Gen 4 (4 nm) Octa-core (1x2.8 GHz Cortex-720 & 4x2.4 GHz Cortex-720 & 3x1.8 GHz Cortex-520).

- **RAM:** 12GB LPDDR5x.
- **Internal Storage:** 512GB UFS 3.1.

5.2. Benchmarks and Stability

The device demonstrates stable and smooth performance, with benchmark scores indicating strong capabilities for its class:

- **AnTuTu Benchmark:** Approximately 1,409,073.
- **Geekbench 6 CPU:** Single-Core Score ~1326, Multi-Core Score ~4104.
- **CPU Stability:** Achieves a very good 88%.
- **GPU Stability:** Above 85.8%.

5.3. Gaming Performance

For gaming, the Moto Edge 70 5G Ai supports:

- **BGMI:** Up to 120 FPS.
- **Call of Duty:** Up to 90 FPS.

While sustained high FPS for extended periods may vary, the device provides a stable and smooth experience for casual gaming sessions of up to 30 minutes.

6. BATTERY & CHARGING

The Moto Edge 70 5G Ai is equipped with a high-capacity battery and fast charging capabilities.

- **Battery Capacity:** 4800mAh Silicon-Carbon battery.
- **Wired Charging:** Supports 68W TurboPower, capable of charging from 0-100% in approximately 40 minutes.
- **Wireless Charging:** Supports 15W wireless charging.



Figure 4: The Motorola Moto Edge 70 5G Ai with its charging accessories.

7. DURABILITY

The device is built with durability in mind, featuring:

- **IP68/IP69 Rating:** Provides protection against dust and water immersion.
- **MIL-STD 810H Certification:** Meets military-grade standards for ruggedness.
- **Corning Gorilla Glass 7i:** Protects the display from scratches and drops.



Figure 5: The robust and durable construction of the Motorola Moto Edge 70 5G Ai.

8. TROUBLESHOOTING

8.1. Network Compatibility

Important: For the USA market, this phone is globally unlocked but only works on T-Mobile, Metro, Mint, Tello, or any carrier under the T-Mobile network. Outside the USA, it works with any carrier worldwide.

BIG BATTERY ULTRA-THIN DESIGN

Upto **40 hours** of battery life*

Up to **61 hours*** of
music streaming

31 hours* of continuous
video playback



68W TurboPower™
charger in the box



15W
wireless charger



*All battery life claims are approximate and based on the median user tested across a mixed use profile (which includes both usage and standby time) under optimal network conditions. Actual battery performance will vary and depends on many factors including signal strength, network and device settings, temperature, battery condition, and usage patterns.

Figure 6: Network compatibility details for the Motorola Moto Edge 70 5G Ai.

8.2. General Issues

- **Device not powering on:** Ensure the battery is charged. Connect the device to the 68W TurboPower charger for at least 15 minutes before attempting to power on.
- **Poor network signal:** Verify your carrier is compatible with the device (refer to section 8.1). Check SIM card insertion.
- **Slow performance:** Close unnecessary background applications. Clear cache regularly.
- **Camera image noise:** While some noise in shadows is inherent, ensure good lighting conditions. Future software updates may improve processing.

9. SPECIFICATIONS

Feature	Specification
Brand	Motorola

Feature	Specification
Model Name	EDGE 70 5G
Operating System	Android 15
RAM Memory Installed Size	12 GB
Memory Storage Capacity	512 GB
CPU Speed	2.8 GHz
Screen Size	6.67 Inches
Resolution	2712 x 1220
Refresh Rate	120 Hz
Wireless Carrier (USA)	T-Mobile (compatible with Metro, Mint, Tello)
SIM Card Slot Count	Dual SIM (1 Nano SIM + eSIM)
Connector Type	USB Type C
Biometric Security Feature	Fingerprint Recognition, Face Recognition
Front Photo Sensor Resolution	50 MP
Rear Facing Camera Photo Sensor Resolution	50 MP (Primary), 50 MP (Ultrawide)
Number of Rear Facing Cameras	3
Number of Front Cameras	1
Battery Capacity	4800 Milliamp Hours
Video Capture Resolution	4k, 1080p
Cellular Technology	5G
Connectivity Technology	5G, 4G, 3G
Wireless Network Technology	GSM
Model Year	2026
UPC	840493607597

10. WARRANTY & SUPPORT

10.1. Product Warranty

The Motorola Moto Edge 70 5G Ai comes with a 30-day Amazon warranty and a 1-year Latin America warranty.

10.2. Software Updates

Motorola promises 3 years of Android OS software updates and 4 years of security updates for the Moto Edge 70 5G Ai.

10.3. Official Product Video

Your browser does not support the video tag.

Video 1: Moto Edge 70 Full Review - After 50 Days of Real Life Usage! This video provides a comprehensive review of the Motorola Moto Edge 70, covering various aspects of its performance and features after extended use.

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