



 **Company name:** Shenzhen Qunlian Intelligent Technology Co., Ltd.
 **Address:** 5/F, Building B1, Zhonghuan Industrial Park, Baoan District, Shenzhen.
 **Official Website:** <https://magicminer.cc/>
 **Tel:** +86-13794479657 (Wechat/Whatsapp)

Magicminer ASIC Miner User Manual (BG01)

Second Edition – August 4, 2025

1. Product Specifications

- **Brand:** Magicminer
- **Model:** BG01
- **Release Date:** September 2025
- **Algorithm Type:** SHA-256
- **Supported Coins:** BTC, BCH, DGB, FB...
- **Rated Hashrate:** 4.5 TH/s $\pm 5\%$
- **Power Consumption:** 120 W $\pm 10\%$
- **Efficiency Ratio:** 26.5 J/TH
- **Operating Voltage:** 12V $\pm 5\%$ (PCIE 5+3 combination, 16AWG or above)
- **Network Interface:** RJ45 Ethernet 10/100M, WiFi 2.4G
- **Operating System:** Web-based operation
- **Deployment Method:** Desktop placement, PC case installation, GPU dock, GPU rack cluster, server cluster
- **Bare Machine Size:** 285 × 50 × 134 mm
- **Package Size:** 350 × 80 × 190 mm
- **Net Weight:** 1.0 kg
- **Gross Weight:** 1.9 kg
- **Bulk Packaging:** 10 pcs per CTN
- **Bulk Package Size:** 395 × 43 × 37 mm
- **Bulk Package Weight:** 20 kg
- **Power Input:** User-supplied PC or server PSU required
- **Recommended PSU:** Gold-certified PC PSU (PCIE 5+3 combination, 16AWG or above)
- **Noise Level:** ≤ 40 dB
- **Cooling Method:** Air cooling
- **Operating Temperature:** 0 ~ 40 °C
- **Operating Humidity:** <90%, non-condensing
- **Storage Temperature:** -20 ~ 70 °C
- **Warranty:** 6 months
- **Application Scenarios:** Home, office, data center



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2. Recommended Operating Environment

- **Power Requirements:** Use a high-quality PC or server PSU, preferably Gold-certified, with PCIe 5+3 cables, wire gauge $\geq 16\text{AWG}$.
 - **Temperature Range:** 0 ~ 40 °C. Avoid direct sunlight, extreme heat, or cold.
 - **Humidity:** 10% ~ 90%, non-condensing.
 - **Ventilation & Cooling:** Keep device well-ventilated on all sides. A server room or efficient exhaust is recommended.
 - **Dust & Moisture Protection:** Avoid dust buildup and humidity. Regularly clean fans and air inlets.
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3. Typical Application Scenarios

1. Standalone desktop placement (requires external PSU)
 2. Desktop PCIe expansion dock (with PSU)
 3. Installed in standard PC case (using PC PSU)
 4. Multi-unit ASIC miner GPU rack cluster (using PC or server PSU)
 5. GPU server rack cluster (using server PSU)
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4. Operating Instructions

4.1 Hardware Installation

- **Power Preparation:** Use a Gold-certified PC or server PSU with PCIe 5+3 cables, $\geq 16\text{AWG}$. (For PCIe docks, select models with PSU.)
- **Cable Connections:** Connect PSU properly. Connect RJ45 Ethernet if required (WiFi optional).
- **Physical Installation:** Place miner on desktop, dock, case, GPU rack, or server cluster with good airflow.
- **Power On:** Switch on PSU and check display status.

4.2 Network Configuration



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4.2.1 RJ45 Wired Connection

- Connect miner to router/switch with Ethernet.
- Miner displays IP on screen after power on.
- Enter IP in browser on a PC in same LAN.
- Configure pool address, wallet, and parameters.

4.2.2 WiFi Wireless Connection

- Miner broadcasts “Magic-****” hotspot after power on.
- Connect via phone/PC (no password or default password).
- Browser auto-redirects or enter IP (e.g., 192.168.4.1).
- Enter router SSID and password, save, reboot.
- Check assigned IP in router or on screen, then manage as in RJ45.

4.3 Mining Startup

- Save configuration, reboot miner.
- After self-check, mining starts automatically.
- Monitor hashrate, power, and temperature in backend.

5. Recommended Mainstream Mining Pools

- Visit miningpoolstats.stream to compare pools (latency, fees, stability, blocks).

Examples:

- **Viabtc** (PPS+/PPLNS/SOLO) – Global, stable.
 - **Ckpool** (SOLO) – Frequent blocks.
 - **Public** (SOLO) – China-friendly.
 - **Jackpool** (SOLO) – BTC, block history.
 - **Lucky** (SOLO) – China-friendly.
 - **Fractal** (SOLO-FB) – FB, block history.
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6. Frequently Asked Questions (FAQ)

Q1: What PSU is required?

A1: Gold-certified PC PSU, PCIe 5+3 cables, ≥ 16 AWG. For docks, choose powered models.

Q2: Miner won't start?

A2: Check PSU connection, switch, and power rating. Ensure ≥ 200 W PCIe redundancy.

Q3: Do I need Ethernet?

A3: No. Both RJ45 and WiFi are supported.

Q4: How to find IP via RJ45?

A4: IP is shown on display. Access via PC in same LAN.

Q5: How to manage via WiFi?

A5: Find IP in router or screen. Manage same as RJ45.

Q6: Hashrate below rated?

A6: Check temperature, airflow, PSU specs, and fan status.

7. After-Sales Policy

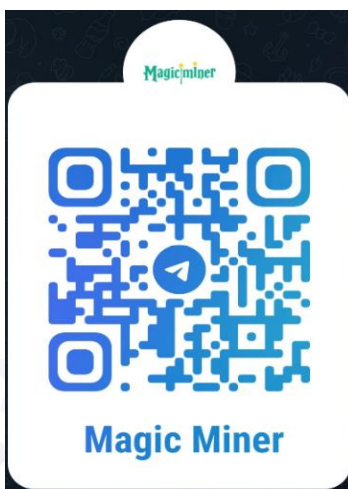
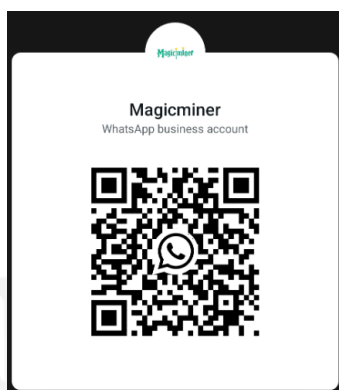
- **Warranty Period:** 6 months (with proof of purchase).
- **Warranty Scope:** Free repair of motherboard, chips, controller, accessories if not user-damaged.
- **Not Covered:** Unauthorized repair, water, lightning, drop, modification, PSU issues, disasters.
- **Process:** Contact support → Provide proof + issue → Remote support → Confirm repair → Repair form → Assigned service center → Ship device → Repair + feedback.
- **Repair Time:** Within 7 working days after receipt.
- **Shipping:** Warranty—each side pays one-way. Out-of-warranty—user pays all.

Notes:

- Keep proof (invoice, order screenshot).
 - Serial number must match purchase.
 - Out-of-warranty repair charged for parts + labor.
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8. Technical Support

- **Email:** support@magicminer.com
- **Website:** www.magicminer.cc
- **After-sales WhatsApp/Telegram:** +852-56140308 (scan QR for support)



For bulk orders, customization, or technical cooperation, contact your dedicated business consultant.