



# 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 ±5%
- **Power Consumption:** 120 W ±10%
- **Efficiency Ratio:** 26.5 J/TH
- **Operating Voltage:** 12V ±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



## 2. Recommended Operating Environment

- **Power Requirements:** Use a high-quality PC or server PSU, preferably Gold-certified, with PCIE 5+3 cables, wire gauge  $\geq$ 16AWG.
- **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,  $\geq$ 16AWG. (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



#### 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.

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### 5. Recommended Mainstream Mining Pools

- Visit [miningpoolstats.stream](https://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,  $\geq$ 16AWG. For docks, choose powered models.

**Q2:** Miner won't start?

**A2:** Check PSU connection, switch, and power rating. Ensure  $\geq$ 200W 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.

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



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