WJSP WhatsMiner M60

WJSP MicroBT WhatsMiner M60 174TH BTC Miner User Manual

Model: WhatsMiner M60 174TH

1. Introduction

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your WJSP MicroBT WhatsMiner M60 174TH BTC Miner. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.
The WhatsMiner M60 is a high-performance SHA-256 algorithm BTC miner designed for cryptocurrency mining operations, featuring a hash rate of 174 TH/s and an efficiency of 19.9 J/TH.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or other injury or damage.

- **Electrical Safety:** The device operates on 220-240V AC. Ensure proper grounding and use only the provided power supply unit (PSU) and cables. Do not operate with damaged power cords or outlets.
- **Ventilation:** The miner generates significant heat. Ensure adequate airflow around the device. Do not block ventilation openings. Maintain an operating temperature between -5°C and 35°C.
- **Environment:** Operate the device in a clean, dry environment with humidity levels between 5% and 95% (non-condensing). Avoid exposure to dust, moisture, and corrosive gases.
- **Handling:** The device weighs 13.5 kg. Handle with care to prevent physical damage.
- **Maintenance:** Only qualified personnel should perform internal maintenance. Disconnect power before cleaning or servicing.

3. Product Overview

The WhatsMiner M60 is a robust mining machine designed for continuous operation. It integrates a powerful hashing unit with an efficient cooling system and a dedicated power supply.

An image showing the WJSP MicroBT WhatsMiner M60 174TH Bitcoin miner. The device features a silver-colored metal casing, with a large fan visible on one end for cooling. The power supply unit is integrated on top, showing a power input port and ventilation grilles. The 'WJSP MINING' logo is visible on the top casing. A warning label in Chinese is present on the side of the main unit.

Key Components:

- **Hashing Boards:** The core components responsible for SHA-256 calculations.
- **Control Board:** Manages the operation and network connectivity.
- **Power Supply Unit (PSU):** Integrated unit providing stable power.
- **Cooling Fans:** Two high-speed fans for efficient heat dissipation.
- **Ethernet Port:** For network connection.

4. Setup Instructions

1. **Unpacking:** Carefully remove the WhatsMiner M60 from its packaging. Inspect for any signs of damage during transit.

2. **Placement:** Place the miner on a stable, flat surface in a well-ventilated area. Ensure there is at least 20 cm of clear space around all sides for proper airflow. Avoid placing it near heat sources or in direct sunlight.
3. **Network Connection:** Connect an Ethernet cable from your network router or switch to the Ethernet port on the miner's control board.
4. **Power Connection:** Connect the provided power cable to the power input port on the integrated PSU. Ensure the other end is securely plugged into a grounded 220-240V AC power outlet.
5. **Initial Power On:** Once network and power are connected, the miner will automatically power on. Allow a few minutes for the system to boot up.
6. **Accessing the Web Interface:**
    - Use an IP scanner tool on your network to find the miner's IP address.
    - Open a web browser and enter the miner's IP address into the address bar.
    - Log in using the default credentials (refer to MicroBT documentation or the device label for default username/password).
7. **Configuration:**
    - Navigate to the 'Miner Configuration' or 'Pool Settings' section.
    - Enter your mining pool URL, worker name, and password.
    - Save the settings. The miner should begin hashing shortly.

5. Operating Instructions

After successful setup and configuration, the WhatsMiner M60 will operate autonomously. Monitor its performance through the web interface.

Monitoring Performance:

- **Hash Rate:** Check the reported hash rate to ensure it is close to the specified 174 TH/s.
- **Temperature:** Monitor the chip and board temperatures. High temperatures can indicate insufficient cooling or environmental issues.
- **Fan Speed:** Ensure fans are operating at appropriate speeds.
- **Error Logs:** Periodically check the system logs for any errors or warnings.

Restarting the Miner:

If the miner becomes unresponsive or requires a restart, you can do so via the web interface or by briefly disconnecting and reconnecting the power cable. Always prefer a software restart if possible.

6. Maintenance

Regular maintenance ensures the longevity and stable operation of your WhatsMiner M60.

- **Dust Removal:** Periodically clean dust from the fans and ventilation grilles using compressed air. Ensure the miner is powered off and unplugged before cleaning.
- **Environmental Control:** Maintain the recommended operating temperature (-5°C to 35°C) and humidity (5% to 95% non-condensing) to prevent overheating and component degradation.
- **Firmware Updates:** Check the official MicroBT website (www.microbt.com) for firmware updates. Apply updates as recommended to improve performance and security.

- **Cable Inspection:** Regularly inspect power and network cables for any signs of wear or damage. Replace damaged cables immediately.

7. Troubleshooting

This section addresses common issues you might encounter with your WhatsMiner M60.

Problem	Possible Cause	Solution
Miner does not power on.	No power, faulty power cable, or PSU issue.	Check power cable connection and outlet. Ensure 220-240V AC supply. Try a different power cable.
No network connection.	Faulty Ethernet cable, router issue, or incorrect network settings.	Check Ethernet cable connection. Verify router functionality. Ensure miner's IP settings are correct (DHCP recommended).
Low hash rate or no hashing.	Incorrect pool settings, network issues, overheating, or hardware fault.	Verify mining pool URL, worker name, and password. Check network stability. Ensure proper ventilation and operating temperature. Consult support if hardware fault is suspected.
Overheating.	Insufficient ventilation, high ambient temperature, or fan malfunction.	Ensure adequate clear space around the miner. Reduce ambient temperature. Clean fans and vents. Check fan operation via web interface.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

8. Specifications

Feature	Detail
Model Name	WhatsMiner M60 174TH
Algorithm	SHA-256
Hashrate	174 TH/s
Efficiency	19.9 J/TH
Power Consumption	3462 W
Input Voltage	220-240V AC
Dimensions (L x W x H)	430 x 155 x 226 mm (16.93 x 6.1 x 8.9 inches)
Weight	13.5 kg
Noise Level	75 dB
Operating Temperature	-5°C to 35°C

Feature	Detail
Operating Humidity	5% to 95% (non-condensing)
Interface	Ethernet
Manufacturer	MicroBT

9. Warranty and Support

Warranty Information:

MicroBT provides a one-year (360-day) warranty period for the WhatsMiner M60, starting from the shipping date. This warranty covers repair services for product failures within the warranty scope.

Important Note on Returns:

Due to the special nature of mining machines, which are influenced by network computing power and cryptocurrency prices, returns are generally not accepted unless due to product failure. If a return is accepted for reasons other than product failure, a 30% return fee based on the product price may be charged.

Customer Support:

For technical support, warranty claims, or further assistance, please contact the manufacturer, MicroBT, through their official website or designated support channels. Refer to www.microbt.com for contact information and support resources.

Please have your product model and serial number ready when contacting support.