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> QIO TECH Antminer S19jpro+ Bitcoin Miner User Manual

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Model: Antminer S19jpro+

1. INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation of your QIO TECH Antminer S19jpro+ Bitcoin Miner. Please read this manual thoroughly before setting up and operating the device to ensure optimal performance and longevity. This high-performance ASIC miner is designed for cryptocurrency mining, specifically Bitcoin, offering a hash rate of 120 TH/s with a power consumption of 3300W.

2. SAFETY INFORMATION

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

- **Electrical Requirements:** The Antminer S19jpro+ requires a 220V input voltage. Connecting to an incorrect voltage may cause severe damage to the unit and pose a fire hazard. Ensure your power supply infrastructure can support the 3300W power consumption.
- **Ventilation:** This device generates significant heat. Operate it in a well-ventilated area to prevent overheating. Do not block the air inlets or outlets. Maintain adequate clearance around the unit for airflow.
- **Noise Level:** The miner produces considerable noise during operation due to its cooling fans. Consider its placement in an environment where noise is not an issue, or use appropriate sound dampening.
- **Handling:** The unit is heavy (approximately 37.4 pounds / 17 kg). Use proper lifting techniques to avoid injury.
- **Environment:** Keep the device away from water, moisture, and excessive dust. Operate within recommended temperature and humidity ranges.
- **Professional Installation:** If you are unsure about electrical connections or setup, consult a qualified electrician or IT professional.

3. PRODUCT OVERVIEW

The QIO TECH Antminer S19jpro+ is a robust ASIC mining machine designed for high-performance Bitcoin mining. It features a durable metal casing, integrated power supply unit (PSU), and multiple high-speed cooling fans.



Figure 3.1: Front and side view of the Antminer S19jpro+, showing the cooling fans and power input ports.



Figure 3.2: Close-up front view of the Antminer S19jpro+, highlighting the dual large cooling fans.



Figure 3.3: Rear and side view of the Antminer S19jpro+, showing the exhaust fans and network port.

Key Components:

- **Hash Boards:** The core mining components responsible for processing calculations.
- **Control Board:** Manages the miner's operations and network connectivity.
- **Power Supply Unit (PSU):** Integrated power supply for the miner.
- **Cooling Fans:** High-speed fans for efficient heat dissipation.

- **Ethernet Port:** For network connection.

4. SETUP

Follow these steps for the initial setup of your Antminer S19jpro+.

1. **Unpacking:** Carefully remove the miner from its packaging. Inspect for any visible damage during transit.
2. **Placement:** Choose a location with good ventilation, away from direct sunlight, heat sources, and moisture. Ensure sufficient space around the miner for airflow (at least 20 cm on all sides).
3. **Power Connection:** Connect the provided power cables to the miner's power input ports. **Ensure the power source is 220V.** Connect the other end of the power cables to a grounded 220V power outlet capable of supplying 3300W.
4. **Network Connection:** Connect an Ethernet cable from your router or network switch to the Ethernet port on the miner's control board. Ensure a stable internet connection.
5. **Initial Boot-up:** Once power and network are connected, the miner will automatically power on. The fans will start spinning, and indicator lights on the control board will illuminate.
6. **IP Address Discovery:** Use an IP scanner tool on your network (e.g., IP Reporter from Bitmain, or a general network scanner) to find the miner's IP address.
7. **Web Interface Access:** Open a web browser and enter the miner's IP address. Log in using the default credentials (usually 'root' for both username and password).
8. **Configuration:** Navigate to the 'Miner Configuration' or 'Network Settings' section. Configure your mining pool URL, worker name, and password. Save the settings.

5. OPERATING INSTRUCTIONS

Once configured, the Antminer S19jpro+ will begin mining automatically. Monitor its status through the web interface.

- **Monitoring Hash Rate:** The web interface displays the current hash rate. A stable hash rate indicates proper operation.
- **Temperature Monitoring:** Keep an eye on the chip and board temperatures displayed in the web interface. High temperatures can indicate insufficient cooling or environmental issues.
- **Fan Speed:** The fan speed adjusts automatically based on temperature. Ensure fans are spinning freely and not obstructed.
- **Power Consumption:** The miner consumes approximately 3300W. Ensure your electrical circuit can handle this continuous load.
- **Firmware Updates:** Periodically check the QIO TECH or Bitmain official website for firmware updates. Updating firmware can improve performance, stability, and security. Follow the provided instructions carefully when performing updates.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your miner.

- **Dust Removal:** Periodically clean dust from the miner's fans and heat sinks using compressed air. Ensure the miner is powered off and unplugged before cleaning.
- **Environmental Checks:** Regularly check the operating environment for excessive heat, humidity, or dust accumulation.

- **Cable Inspection:** Inspect power and network cables for any signs of wear or damage. Replace damaged cables immediately.
- **Software Monitoring:** Regularly check the miner's web interface for error messages or performance drops.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Miner not powering on	No power, incorrect voltage, faulty PSU	Check power cables and outlet. Ensure 220V supply. Test PSU if possible.
No hash rate / Low hash rate	Network issue, incorrect pool settings, faulty hash board	Check Ethernet cable and internet connection. Verify mining pool URL, worker name, and password. Restart miner. If issue persists, contact support.
Overheating	Poor ventilation, dust buildup, fan failure	Improve airflow around the miner. Clean dust from fans and heat sinks. Check if all fans are spinning.
Cannot access web interface	Incorrect IP address, network issue, miner not booted	Verify IP address using an IP scanner. Check network cable. Restart miner.

8. SPECIFICATIONS

Feature	Detail
Model	Antminer S19jpro+
Brand	QIO TECH
Hash Rate	120 TH/s
Power Consumption	3300W (±5%)
Energy Efficiency	27.5 J/TH
Input Voltage	220V AC
Cooling	Air Cooling (Integrated Fans)
Network Connection	Ethernet
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 90% (non-condensing)
Dimensions (L x W x H)	Approx. 22.44 x 16.93 x 12.2 inches
Weight	Approx. 37.4 pounds (17 kg)

9. WARRANTY AND SUPPORT

QIO TECH provides a limited warranty for the Antminer S19jpro+. Please refer to your purchase documentation for specific warranty terms and conditions, including duration and coverage. Typically, a restock fee may apply for returns within 30 days.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact QIO TECH customer service through the vendor's official channels or the platform where the product was purchased. Ensure you have your purchase details and the miner's serial number ready when contacting support.

Important Note: Any unauthorized modification, disassembly, or repair of the miner will void the warranty.

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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