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› TheTechWave Bitmain Antminer L9 Scrypt ASIC Miner Instruction Manual

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Model: Antminer L9

Brand: TheTechWave

1. INTRODUCTION

The Bitmain Antminer L9 is a high-performance Scrypt ASIC miner designed for efficient cryptocurrency mining. This manual provides essential information for the safe and effective setup, operation, and maintenance of your mining machine. Please read all instructions carefully before use.



Figure 1: The Bitmain Antminer L9 Script ASIC Miner.

2. SAFETY INFORMATION

- **High Voltage Warning:** This device operates on 220V AC power and will **not** function on standard residential 110V outlets. Ensure your power source meets the 220V requirement.
- **Power Consumption:** The miner draws approximately 3400W. Verify your electrical infrastructure can safely support

this load.

- **Heat Generation:** The Antminer L9 generates significant heat during operation. Ensure adequate ventilation to prevent overheating and maintain optimal performance. Do not obstruct air vents.
- **Electrical Connections:** Always ensure all power connections are secure before powering on the device. Use only the provided power supply and cord.
- **Placement:** Place the miner on a stable, non-flammable surface, away from moisture, dust, and direct sunlight.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Bitmain Antminer L9 Unit
- Dedicated Power Supply Unit (PSU)
- P13 to C20 Power Cord

4. SETUP

4.1 Power Connection

1. Connect the P13 end of the provided power cord to the Antminer L9 unit.
2. Connect the C20 end of the power cord to the dedicated Power Supply Unit (PSU).
3. Plug the PSU into a 220V AC power outlet. **Do not attempt to use a 110V outlet.**

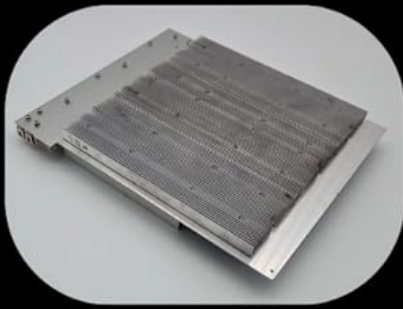
4.2 Network Connection

1. Connect an Ethernet cable (RJ45) from your network router or switch to the Ethernet port on the Antminer L9.
2. Ensure your network provides low latency for optimal mining performance.

4.3 Initial Power On

Once power and network are connected, the miner will automatically power on and begin its initialization sequence. The LED display on the unit will indicate its status.

Next Generation of Script Miners Litecoin & Dogecoin



Next-generation series hashboard sets a new benchmark in ASIC miner engineering, delivering superior thermal performance, reliability, and structural integrity. Crafted with high-density aluminum alloy and integrated precision-milled heatsinks, this hashboard maximizes heat dissipation across the entire surface area, keeping your mining rigs cooler for longer operational lifespan.



Engineered for high-performance chips, the advanced parallel fin design enhances airflow efficiency and maintains optimal thermal balance under continuous load. Each unit undergoes stringent quality control and features reinforced contact points and upgraded soldering paths, reducing the risk of thermal fatigue and board failure over extended use.

Whether you're operating in home setups or industrial-scale farms, this next-gen hashboard ensures stable hash rates, reduced downtime, and long-term mining profitability.



Figure 2: Overview of Antminer L9 functionality and connections.

5. OPERATING

5.1 Monitoring and Management

- **LED Display:** The integrated LED display provides real-time information such as current time and hash rate.
- **Web Interface:** Access the miner's web interface by entering its IP address into a web browser. This interface allows for detailed monitoring of performance, temperature, and configuration adjustments.

5.2 Performance

The Antminer L9 delivers a hash rate of 17 GH/s for Script algorithm mining. Its advanced design ensures stable hash rates and reduced downtime.



The graphic features the 'THE TECH WAVE' logo in blue and white on the left. To the right is a photograph of the Antminer L9 hardware, a white rectangular unit with two large cooling fans on the front and four smaller fans on the side. Below the logo and hardware, the text 'Antminer L9' is displayed in large white font. Underneath, four white-bordered boxes list performance configurations: '15 GH - 3150 W', '16.5 GH - 3360 W', '16 GH - 3360 W', and '17 GH - 3400 W'.

Configuration	Performance
15 GH	3150 W
16.5 GH	3360 W
16 GH	3360 W
17 GH	3400 W

Figure 3: Antminer L9 performance configurations.

6. MAINTENANCE

- **Cleaning:** Regularly inspect and clean the air filters and vents to ensure unobstructed airflow. Dust accumulation can lead to reduced cooling efficiency and potential damage.
- **Environmental Control:** Maintain a stable and cool operating environment. While the unit can produce heat, excessive ambient temperatures can impact its lifespan and performance.
- **Modular Components:** The Antminer L9 features a modular design allowing for easy interchangeability of parts such as the control board, power supply, cooling fans, and fan grills. This facilitates maintenance and repairs using a Phillips screwdriver.



Overview Functionality

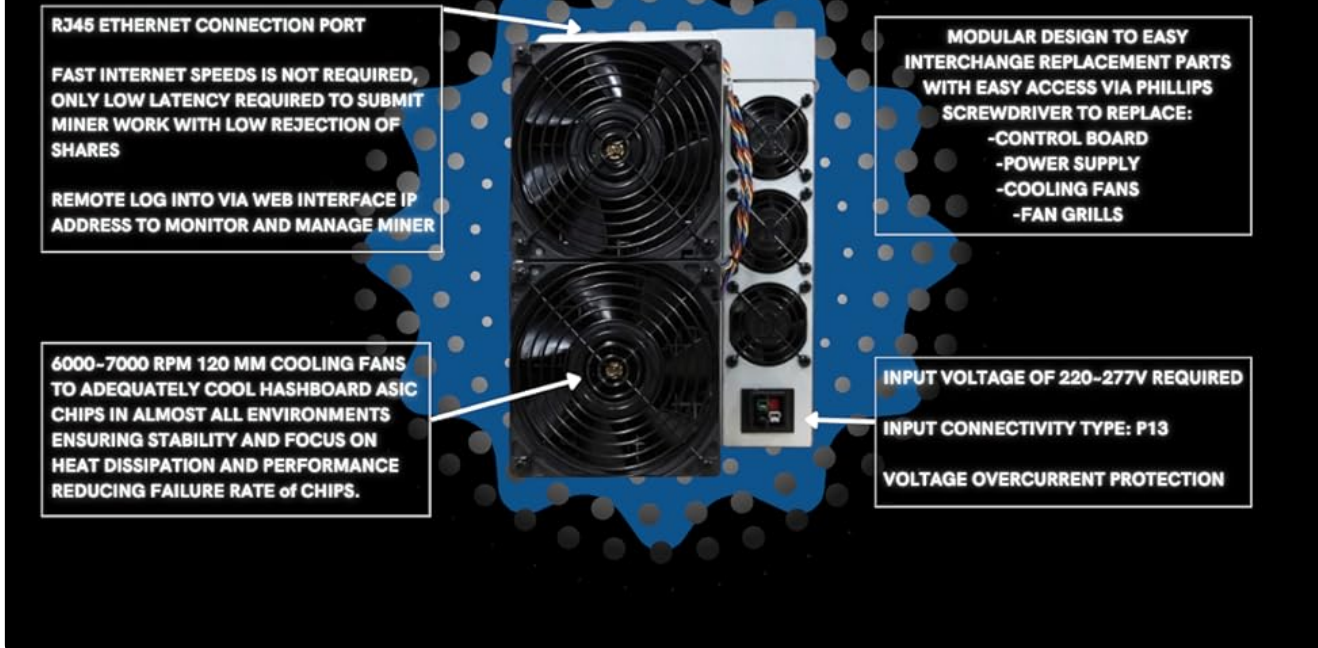


Figure 4: Internal design features for thermal performance and reliability.

7. TROUBLESHOOTING

- **Miner Not Powering On:**
 - Ensure the power cord is securely connected to both the miner, PSU, and the 220V power outlet.
 - Verify the 220V power source is active and providing sufficient power.
- **Overheating Issues:**
 - Check that the cooling fans are operating at their specified RPM (6000-7000 RPM).
 - Ensure air intake and exhaust vents are clear of obstructions.
 - Reduce ambient room temperature if necessary.
- **Network Connectivity Problems:**
 - Verify the Ethernet cable is properly connected.
 - Check your router/switch for network issues.
 - Confirm the miner's IP address and try accessing the web interface again.
- **Low Hash Rate:**
 - Review network latency and stability.
 - Check for any environmental factors affecting performance (e.g., high temperature).
 - Ensure the power supply is delivering stable power.

8. SPECIFICATIONS

Feature	Detail
Model	Antminer L9

Hash Rate	17 GH/s (Scrypt)
Power Consumption	3400 Watts
Input Voltage	220-277 Volts (AC)
Power Cord Type	P13 to C20
Cooling Method	Air Cooling (2 fans)
Fan Count	2
Item Weight	31.1 pounds (14100 Grams)
Package Dimensions	15 x 12 x 12 inches

9. WARRANTY AND SUPPORT

TheTechWave offers a 30-day return policy for this product. For any questions, concerns, or technical support, please do not hesitate to contact TheTechWave customer service. Refer to your purchase documentation for specific warranty terms and contact information.