

# K8 Multifunctional Test Jig Manual

**Version: V1.4**

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## **1. Product Overview**

The K8 is a professional miner testing device that can diagnose and repair over 88 models of hash boards and 20 types of miner power supplies from brands such as Antminer, Innosilicon, Whatsminer, Aladdin, Aixin, and Cheetah.

Compared to traditional miner repair methods, the K8 tester significantly reduces diagnostic time (by at least 10 times) and improves diagnostic accuracy (by 4 times). Additionally, it integrates an EEPROM editor and tester.

### **Product Advantages:**

- One universal tester can diagnose 88 hash board models and 20 power supply types, and synchronize hash board serial numbers.
- Speed and Accuracy: The K8 tester quickly and accurately diagnoses damaged and healthy chips.
- Power Supply Diagnostics: Can test over 20 types of miner power supplies.
- EEPROM Editor: Capable of writing serial numbers to make all hash boards consistent for normal miner operation. Compatible with Antminer

S9se, S9k, S11, 17 series, 19 series, and all Whatsminer hash boards.

*Note: Do not connect power to the hash board during EEPROM writing.*

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## 2. Supported Models

Hash Boards:

- **Antminer:** S9, S9i, S9j, S9k, S9se, T9+, L3+, T17 series, S17 series, S19 series, L7, S7, D7, K7, S15, T15, S21, T21 (air and water-cooled)
- **Innosilicon:** T1, T2, T3, A4 series, A6 series, T2T variants, L1, L2 series
- **Whatsminer:** M3V1, M3V2, M20 series, M30 series, M31s, M32s, M50, M50s
- **Others:** Aixin, Cheetah, Aladdin, Dragon: A1, Q3, F1, S5, T1

Power Supplies:

- **Innosilicon:** G1138, G1240, G1266, G1286, G1306, QB2412-B, QB2412-C
  - **Whatsminer:** P21, P20, P21e, P21d, P221, P222C
  - **Antminer:** APW8, APW9, APW9+, APW12
  - **Aixin/Cheetah:** TT240015P, HQ2500-A02
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## 3. Operation Instructions

- No computer required for testing hash boards.

- Quickly locates and displays faulty chip positions.
  - Requires only one adjustable 10A 30V power supply.
  - Minimizes noise from original miner power fans.
  - Avoids damage to test platform from incorrect operations.
  - Improved design addresses flaws in older test jigs.
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#### 4. Interface and Button Overview

1. Innosilicon Power Wake Port
  2. Whatsminer Power Wake Port
  3. Whatsminer/Antminer Hash Board Port
  4. Whatsminer Spare Port
  5. Power Supply Input (DC12V)
  6. Power Button
  7. Innosilicon/Aladdin Hash Board Port
  8. Aixin/Cheetah/XQ Hash Board Port
  9. Antminer Power Wake Port
  10. RF Chip Test Port (rarely used)
  11. Back Button
  12. Model Selection & Test Button
  13. Directional Buttons (navigate brands and functions)
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## 5. Usage Instructions



(Test stand main interface after power on)



(Test results show)

- After powering on, select the corresponding miner model using the directional buttons and press OK to enter the test interface.
- Press OK again to start testing. For example, a good S19PRO board should show 114 chips.
- If the screen displays a number lower than expected (e.g., 63 chips), replace the faulty chip and retest.
- If "0" chips detected, check power supply and connection ribbon cables. Also verify RO (1.8V) signal path.
- "ONE" mode allows repeated tests without pressing OK.
- Hold OK during startup to access power test and EEPROM writing modes.
- In EEPROM mode, choose between copy and write functions using arrow keys.

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## 6. Common Issues and Notes

- For Antminer S19 series, RO voltage should be 1.2V–1.3V.
- If "0" chips are detected, check power and cable connections.
- **Do not power the hash board during EEPROM operations.**
- **Do not attempt to tamper with the product—it has hardware protection and a self-destruct mechanism.**