



LV07

Product Manual

Jun. 2024

Ver 1.0

1. Specification

Product Glance	Value
Model	LV07
Version	V1.0.0
Crypto algorithm/coins	SHA256
Typical hashrate, GH/s(1-1)	1000±10%
Power on @25°C(1-2), Watt(1-1)	25±10%
Detailed Characteristics	Value
Power supply	
Power supply AC input voltage range, V(2-1)	100~240V AC
Power supply AC input frequency range, Hz	50/60
Power supply AC input current, A(2-2)	0.6
Adapted AC output power requirement, W(2-3)	60

Hardware configuration	
Networking connection mode	WiFi 2.4G/Hotspot
Server size (Length*Width*Height, w/o package), mm	109*99*45
Server size (Length*Width*Height, with package), mm	200*180*65
Net weight, g	370
Gross weight, g	950
Noise, dBA @25°C (2-4)	38
Environment requirements	
Operation temperature, °C	0~30
Storage temperature, °C	-20~70
Operation humidity, RH	10%~90%
Operation altitude, m (2-5)	≤2000

2. Conditions for using "Luckyminer LV07"

2.1 Power Requirements:

Ensure the device is connected to a stable power source and meets the corresponding voltage and power requirements.

2.2 Environmental Conditions:

It is recommended to use the device in a dry, well-ventilated environment to avoid overheating or moisture.

2.2.1 Good ventilate;

2.2.2 It is prohibited to stack multiple devices or place them close together;

2.2.3 Do not place the device in a confined space.

2.3 Temperature Range:

Operate within $\leq 30^{\circ}\text{C}$ to ensure device stability and performance.

2.4 Equipment heat dissipation:

2.4.1 Ensure smooth ventilation at the air inlet and outlet of the device.

2.4.2 Blocking the air inlet and outlet of the device is strictly prohibited.

2.5 Network Connection:

Ensure the device is properly connected to the network and compatible with the selected mining pool protocol.

2.6 Maintenance:

Regularly clean the device and pay attention to maintaining the cooling system to ensure proper operation.

2.7 Usage Restrictions:

2.7.1 Avoid using the device in excessively harsh environmental conditions and adhere to manufacturer's recommendations and warnings to maintain long-term stability.

2.7.2 It is prohibited to upgrade to unofficial firmware. No after-sales service will be provided when upgrading firmware under unofficial guidance.

3. Recommended parameters

3.1 Frequency: $\leq 575\text{MHz}$, when the power consumption is $>28\text{W}$, please gradually reduce the frequency;

3.2 Core voltage: $\leq 1300\text{mV}$, when the power consumption is $>28\text{W}$, please gradually reduce the voltage.

4. Mining Mode

Mining mode	Mechanism description
SOLO	SOLO mining means mining cryptocurrency alone, earning full rewards upon discovering new blocks.
PPLNS	PPLNS mining refers to a payment model where miners' rewards are calculated based on their last N submitted valid shares.
P2P	P2P mining refers to mining directly within the blockchain network by connecting to other nodes, rather than using centralized mining pools.
PPS	PPS mining refers to a payment model where miners receive rewards based on the number of valid shares they submit.

5. Mineable projects

Item	Project Name	Reference mining pools		
		Pool 1	Pool 2	Pool 3
1	BTC	pool.vkbit.com:3333	public-pool.io:21496	www.viabtc.com
2	BCH	p2p-spb.xyz:9338	Solo-bch.2miners.com:9090	www.viabtc.com
3	BSV	bsv.gorillapool.io:3333	europe.mining-dutch.nl:4014	
4	DGB	pool4ever.com:5109	pool.dgb256.online:8080	p2p-spb.xyz:5027
5	XEC	hashpool.live:10043	xec.luckymonster.pro:9113	mining.viabtc.io:3014
6	RBL	mining4people.com:4181	afinepool.xyz:4931	pool4ever.com:5014
7	BTCP	na.mining4people.com:3452	82.137.50.129:3420	btcp.mr-miner.org:5448
8	BIT	38.242.200.177:4611	103.230.158.177:50114	54.39.49.96:3442
9	AUR	p2p-spb.xyz:12349	pool4ever.com:5115	valhala.is:3730
10	WCN	pool4ever.com:5112	na.mining4people.com:3334	103.249.70.25:4369
11	PPC	pool4ever.com:5010	solo.1pool.org:4004	criptokyng.com:3312
12	RVB	connect.reversedbitcoin.org:11300	zeusminingpool.com:5110	na.mining4people.com:3415
13	ACG	pool4ever.com:5140	mining-pool.zapto.org:3450	
14	LCC	sha256.na.mine.zergpool.com:3333	us-stratum.coinminerz.com:3310	p2p-spb.xyz:5555
15	GLT	au.merged.stratum.cminers-pool.com:58900	pool.cryptopowered.club:1064	
16	X1C	Mining4people:3355	poolkh.com:4468	

Notes:

- ※ LV07 is applicable to all SHA256 algorithm projects;
- ※ For more mining pools, please refer to <https://miningpoolstats.stream/bitcoin>;
- ※ Due to regional and mining pool access difficulties, LV07 cannot access all mining pools.

6.Operating instructions

6.1 Product list

- 6.1.1 LV07 miner * 1
- 6.1.2 Adapter(12V/5A,100-240V Input) *1
- 6.1.3 AC line *1

6.2 Power on

- 6.2.1 Connect the AC cable to the adapter Input;
- 6.2.2 Connect adapter output to miner DC port;
- 6.2.3 After power on, the adapter indicator light is green, the miner fan is running, and the miner screen displays "connect to ssid: Lucky_ ****".

6.3 Connect to network

- 6.3.1 Search for the miner hotspot "Lucky_ ****" through WiFi on your phone or computer;
- 6.3.2 Select the "Lucky_ ****" hotspot (mobile or computer);
- 6.3.3 Wait for 5-10 seconds, automatically redirect to the mining configuration interface;

6.4 Mining configuration

- 6.4.1 We can enter the settings interface in 6.3.3 or by entering the IP in the browser;
- 6.4.2 Explanation of Setting Interface;

No.	Setting items	Explanation
1	WiFi SSID	WiFi name (special characters are strictly prohibited)
2	WiFi Password	WiFi password (special characters are strictly prohibited)
3	Stratum URL	Mining pool address or IP address
4	Stratum Port	Mining pool port number (multiple ports in the same mining pool correspond to different difficulties)
5	Stratum User	Registered username or main network wallet address for the mining pool
6	Frequency	ASIC IC operating Frequency(500-575MHz)
7	Core Voltage	ASIC IC core voltage(1200-1300mV)

6.4.3 Settings completed, click the "Save" button;

6.4.4 After saving the settings, click the "Restart" button.

6.5 View running status

6.5.1 Restart completed, wait for 30-60 seconds, the Home page will display the real-time running status of the miner. Contains information such as "Overview", "Power", "Pool information", "Results", etc...

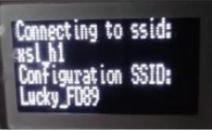
6.5.2 The miner screen will synchronously scroll to display the above information.

6.6 View the status of pool

6.6.1 Log in to the mining pool website or app used by Miner;

6.6.2 Check online device status through username or wallet address.

6. FAQ for Luckyminer LV07

No.	Fault Description	Fault pictures	Possible causes	Solution	Solving diagram
1	Miner is powered on but can not connect to WiFi		Using non 2.4G WiFi (Router/Hotspot)	Check WiFi type, must use 2.4G WiFi	SSID: xsl_h1 协议: Wi-Fi 5 (802.11ac) 安全类型: WPA2-个人 网络频带: 2.4 GHz
			WiFi name or password has special characters	WiFi name and password must be in English/numbers, or a combination of English and numbers.	WiFi SSID: xsl_h1 WiFi Password: xiaoqiang
			The control IC is not started	When powered on, press the reset button to reset the main control chip (1-3 times).	
2	Miner is powered on, the screen and fan do not work.		Power adapter output does not match.	Measure whether the adapter output voltage is 12V±3%. If it is not 12V±3%, replace the adapter.	
3	Miner is powered on, the screen does not light up and the fan works.		The control IC is not started	When powered on, press the reset button to reset the main control chip (1-3 times).	

4	The adapter light does not light up or keeps flashing.		The adapter does not output or the output is unstable.	Replace adapter.	
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5	WiFi, Power consumption is normal, hash value is 0.	 	Mining pool address	Check the mining pool address carefully and query mining pool related information https://miningpoolstats.stream/bitcoin	https://miningpoolstats.stream/bitcoin
			Port number	There may be multiple port numbers in the same mining pool. Generally, different port numbers correspond to the difficulty of access. Please choose the appropriate port number.	Stratum Port: 3014
			Mining pool difficulty	All mining pools have a minimum access difficulty. Please ensure that the device computing power is below the mining pool access difficulty. Experience value: 500G can access a mining pool with difficulty <1000 (port number)	Pool Default Difficulty: 1024 Pool Minimum Difficulty: 256
			Wallet address	You must use the mainnet wallet address of the currency being mined. For example: the BTC mainnet address generally starts with 1/3/bc1.	Stratum User: bc1qsn80udljur0zn58eg7y7

			Username	Some mining pools require a registered account to use. For this kind of mining pool, you need to fill in the miner name of the mining pool during configuration.	Stratum User: super66.0x0x19
6	Miner runs with low power consumption, <5W		The control IC is not started	When powered on, press the reset button to reset the main control chip (1-3 times).	
7	Successfully connected to WiFi, miner restarted repeatedly.		Mining pool resolution failed	Change mining pool.	
8	Miner keeps restarting and the Hashrate is unstable.		WiFi congestion and instability. Mining pools are regulated. High power consumption, high temperature, high humidity.	Change to a stable WiFi or hotspot. Change to a locally allowed mining pool or a well-known mining pool. The environment temperature is <30°C, and the equipment should be placed in a temperature protection.	