

# A4+ LTCMaster USER MANUAL



High Efficient LTCMaster

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## **1. OVERVIEW**

Part Number	A4+ LTCMaster
Hash Rate	620Mh/s (+-8% )
Power	750W +/-8%
Size (L×W×H)	350mm×125mm×158mm
Net Weight	3.83KG (without PSU)
Operating Temperature	0-85 °C
Required rated PSU	1000W or above, 9 * PCI-E 6Pin
Network Connection	Ethernet

## 2. CABLE CONNECTION

## 2.1 CHECK THE MINER BEFORE POWER ON

- Check the warranty sticker is well or not, especially the hashboards PSU port side. If the warranty sticker is damaged when you received the miner, please contact our After-sales.
- Before you power on the miner, shake the miner softly, if you can hear the sound of metal banging on metal, please contact our After-sales.
- Check if the fan work well, if you find the fans broken please contact our After-sales.
- Check the cable connection, if it is different from below picture, please connect the cables as below.





## 2.2 CONNECT THE PSU

Every hash board needs to be inserted with 2 PSU cables, controller only needs 1 PSU cable according to the following image .



## 2.3 CONNECT THE ETHERNET CABLE

Insert one end of the Ethernet cable into the router and the other end into the slot shown in the following image, you should plug in the miner one by one, only when you have accomplished IP Setting of the previous one you can plug in another miner .



IP SET button: Press it more than 5 seconds to recover the IP to 192.168.1.254. RESET button: Your miner will restart if you press it. It wont recover your settings to the default.

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## 3. ENTER THE MINER CONSOLE

By default, the miner uses Static IP to access the control webpage of the miner.

Input 192.168.1.254 into the browser, then click 'Enter' to enter the miner's control webpage (Chrome is the suggested browser).

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			if General Inclamation	

## Cant access the miner console?

Maybe it is because miner IP and the router IP have a different network segment, two ways to solve it:

- Modify the router IP to 192.168.1.1, then try again.
- Don't want to change the network segment of the router? Do it as below:

Connect the miner and computer with a network cable. Open the windows system control panel, go to Network and Internet — Network and share center – change the adapter settings, the mouse cursor to the "Local Area Connection" click the right mouse button to view properties.

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• Press the OK button twice to confirm the changes. Then modify the IP address of the miner (Do it as the follow step g) to guarantee the miner and the router have the same network segment. Then connect the miner with the router, connect the PC with the router and select the "Obtain the IP address automatically". Now you can enter the IP through the browser into the control interface

tworking			General		
connect using:				6	
Intel(R) PRO/1	1000 MT Desktop Adapt		You can get IP settings assigned aut this capability. Otherwise, you need for the appropriate IP settings.		
his connection uses	the following items:	Configure	O Qbtain an IP address automatic	ally	
Client for Mic	crosoft Networks	^	Use the following IP address:		
	ter Sharing for Microsoft	t Networks	IP address:	192.168.1.1	
	L Scheduler			here are and	
		v.4)	Subnet mask:	255.255.255.0	
Internet Prot	tocol Version 4 (TCP/IP erwork Adapter Moltpler	V.	Sybnet mask: Default gateway:	255.255.255.0	
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Config

to enter

• Press the OK button twice to confirm the changes. Then modify the IP address of the miner (Do it as the follow step g) to guarantee the miner and the router have the same network segment. Then connect the miner with the router, connect the PC with the router and select the "Obtain the IP address automatically".Now you can enter the IP through the browser into the control interface

### **4. CONFIG THE MINER**

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URL

Tota

URL Total

4.1 Enter 'Miner Configuration' page, select 'General Settings'. Click the lower right corner enter log in page.

stem Network er General Configurat UR: Viole Password Pato Works Pattword Patrient our default frequency with voltage VID sange of 25 to 16. The lo-quency, you usually need to adjust VID to be lower. It all your own risk and vary in performance from miner to miner. higher power consumption. If you want 1100 equency, you usually ok is at your own risk a de: VID 16 is our default voltage setting and the most suitable value of VID may vary tro formance. 1100Mirc is our default thequency with voltage VID range of 20 to 16. The low 12 erational Voltace Level ency, you may need to adjust VID to be lower ock is at your own risk and vary in performan . ce. It nav dam

4.2 Enter the default password "12345678", then click lower right corner 🗸 Login configuration page.

INNOSILICON	
System Miner Configuration Miner Status Network	
General Settings	
Login	
Please Input The Password:	

## Password is wrong/error?—Please contact our after-sales people.

4.3 Enter the mining pool's URL, Worker, password according to the following image, then click **Submit** .The miner will start mining, and the page will return to the 'Miner Configuration' page. It will show the user's modified setting.

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Most Status Most Configu Internal Settings	alue John Nation				nay damage the	
iner General Configuration		miner in ove	erclock condit	ion		
Pools				Pool2		
un.	stratem-kp ittecstopol og 2025			URL		
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Frequency More Raining Preparecy/Mic		1152 high harvale:	<ul> <li>precisit is</li> </ul>	equency, you assuring need to adjust 1/D to be to	e VIID renige of 27 to 10. The lenser VID value means the h XMM, Non Non-mines to mines IB may Cartage miner in creates	iphor voltage as higher power consumption if you want to by drag condition (
Manual control #		Please click	the Auto Sea	rch after you	select the	Add Source )
Miner Operational Votage Law	·	frequency, automatica	then it will ad lly.	just to the bo	est VID	an to make the one singlety indicatively as or down 3. This many VC value down the topics of age if also condition

## INNOSILICON

4.4 To avoid IP conflict when using 2 or more miners at the same time, the IP address needs to be changed. Enter the network interface shown in the following image, and modify the IP address to you need, then click the "Save" to save it.

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Note : If you change the miner IP address to another network segment, after you save it there will be 3 circles keep spinning, that is ok.

> IP address: If the router address is 192.168.0.1, you can change the miner's IP address to 192.168.0.# ( # can be any number between 10-253 but every miner's # must be unique ).

- > Subnet mask: Keep it consistent with your computer.
- > Gateway: Same with the router address.

> DNS: It is recommended to modify the DNS to the local network operator near the location of the miner. For example, the mining machine uses telecommunication broadband in Beijing, China. Search in Baidu or Google search engine "Beijing Telecom DNS" to get the DNS: 219.141.136.10. Then use this DNS for your miner.

When the above information is input, click the lower right corner **Save&Apply** to save.

INNOSILICON	7
Miner Status Miner Configuration System Network	b
Settings	
Network Settings	Current IP setting
Network setup for Miner	
IP Status	IP Address:6 § 2.102           Netmak:2657255.05.0           Construction           Des:202.96.128.86.202.96.128.143
IP Address	192, 568, 1, 254
Netmask	255 255 255 0
Gateway	192.968.1.1
DNS Servers 1	154.154.154.154
ONS Servers 2	8888
L	✓ SaveMappy

4.5 Enter 'Miner Status' page to check the status on the mining pool configuration and performance of the miner.

Running Time         Accepted / Rejected         HW         Fan Speed           04h 48m 51s         10154 / 5         16         100%           moMiner	-
noMiner hain# Accepted / Rejected HW Temp min / Temp max / Temp avg Stat 4000 2020/1 4 37/14/45/02/51/00 And 400/05/02/51/00 4 37/14/65/02/51/00 And 400/05/02/51/00 And 400/05/02/50/00 And 400/05/00 And 400/05/00 And 400/05/00 And 400/05/00 And 400/05/00 And 400/05/00 And 400/05/00 And 400/05/00 And 400/05/00	us HashRate(MHS
A0CO 2029/1 4 37.14/65.02/61.00 A84 ASC1 242/1 4 40/05.02/61.89 A44 ASC2 2000/0 4 37.14/66.75/50 A44	-
ISC1 2482/1 4 40/65/82/51.85 Ave 18C2 2555/0 4 37/14/65/75/50 Ave	171.27
0C3 2524/0 4 30.57/66.25/51.50 Ann	170.47
	169.70
HW: means error in calculating	

## 5. APPENDIX

## 5.1 MODIFY THE LOGIN PASSWORD

Select the "Administration" interface at System, then you can modify your password. Then click Save Password to save your new password.

INNOSILICON	
Miner Status Miner Configuration System Network Oververv Administration Upgrade	
Password Changes the administrator password for accessing the device	Note: As the factory reset will not reset the password to the default password, you must
Current Password	Current Password take care your new password. If you forget
New Password	New Password the password, it can only recovered through
Confirmation	our paid support. (Very IMPORTANT!!!) ) Confirmation
	Save Password

## **5.2 UPGRADE THE FIRMWARE**

INNOSILICON	
Miner Status Miner Configuration System Network	
Overview Administration Upgrade Reboot	
Overview	
Version	
Miner Type	тэ
Hw Version	G9
DNA	0x1c8806921a4621
MAC Addr	50 6c be 05 01 fp
Build Date	Sat Nov 4 15:59:35 CST 2017
Platform Version	5a788e6f916e2c26c45a41935dfcb5d29e12f889
Rootfs Version	b9b10948003d2b9efd38265afdf7810d709e7b37
Cgminer Version	946befcbbcfa907eeea816cac59a1aaa86960370
Sgminer Version	9421e957d0c30459dt9389427d601e9aa4a3362e
System	
Status	03:44:03 up 1 day, 2:38, 0 users, load average: 5:26, 5:02, 4:82
Memory Available	47692 kb / 512204 kb(9%)
Memory Free	464512 kb / 512204 kb(91%)
Cached Available	40028 kD / 512204 kD(8%)
Cached Free	472176 kb / 512204 kb(92%)
Network	
IP Status	Address:192.168.0.33 Netmask:255.255.255.0 def:0 Gateway:192.168.0.1 Des:11.11.11.11.11.8.8.8.8

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Build date is the version of the firmware. If your miner build date is before NOV 24, please upgradeyour miner via a TF card. Here is the instruction:

<u>http://www.innosilicon.com.cn/api/download.php?url=TF-card-firmware-update-manual-en.pdf</u> If your miner build date is NOV 24 or later, a web upgrade is OK, you can do it as below .

Select the "Upgrade" interface at System option, click to choose the firmware you want to upgrade, click the "update" to start the upgrade. The upgrade is success when you see the progress bar reach to 100%.

# Inner Status Miner Configuration System Network Overview Administration Upgrade Note: Don't power off the miner when is is upgrading. When the progress bar reach to 100%, upgrade done and it will reboot by itself. Then use "Ctrl+F5" to refresh. Update Image: Except for