

A6 LTCMaster USER MANUAL



High Efficient LTCMaster

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1. OVERVIEW



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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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 4.4) 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

| etworking | | | | | |
|--|--|--|---|--------------------------|--|
| Connect using: | | | General | | |
| Intel(R) PRO/1000 MT Desktop Adapter | | | You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. | | |
| This connection uses | s the following items: | <u>C</u> onfigure | O Obtain an IP address automatic | cally | |
| Client for Mi | crosoft Networks | A Networks | Use the following IP address: | | |
| Que Prie and Prin | iter Snanng for Microsof I Scheduler | t ivetworks | IP address: | 192.168.1.1 | |
| Internet Protocol Version 4 (TCP/IPv4) | | | Subnet mask: | 255.255.255.0 | |
| Internet Prof | tocol version 4 (TCP/IP | V4) 3 | 0.000 000 000 | | |
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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

Config

4. CONFIG THE MINER

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

INNOSILICON tus Miner Configuration System Network Miner General Configuration Pool₂ Pool1 stratum+tcp://dash.s.innomining.com:2000 URL URL Worker inno.102 Worker Password Passwor 013 Doold URL URI Worker Worker Password Password Frequency (Note: 1000/Hz) is our default frequency with voltage VID range of 20 to 16. The lower VID value means the higher voltage or higher power consumption. If you want to by overclock thequency, you usually need to adjust VID to be lower. 1100 Miner Running Frequency(Mhz) (Note: VID 16 is our default voltage setting and the most suitable value of VID may vary from miner to miner. User can sliphtly adjust VID up or down to get the best performance. 1100MHz is our default frequency with voltage VID range of 20 to 16. The lower VID value lower means the higher voltage. If you want to try higher overclock frequency, you may need to adjust VID to be lower. 12 Miner Operational Voltage/Level

4.2 Enter the default password "12345678", then click lower right corner voting to enter 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.

| iner Status | liner Configuration | System Network | | | |
|------------------|---------------------|------------------------------|---------------------------------|---|---|
| eral Settings | | | | | |
| er General C | onfiguration | | | | |
| Pools | | | | | |
| Pool1 | | | | Pool2 | |
| URL | stratum+tcp://w | rk4.cybtc.info:6634 | | URL | |
| Worker | cybtc1.1 | | | Worker | |
| Password | 123456 | | | Password | |
| Pool3 | | | | Pool4 | |
| URL | | | | URL | |
| Worker | | | | Worker | |
| Password | | | | Password | |
| | | | | | |
| Frequency & | Voltage | | | | |
| Frequency | | | | | <u> </u> |
| Miner Running F | requency(Mhz) | 1044 (default) | Vali frec Wa dar | Net: 1044MHz is our default frequence use means the higher voltage or high quency, you usually need to adjust V rning; overclock is at your own risk a mage miner in overheating condition. | y with voltage VID range of 31 to 15. The lower VID er power consumption. If you want to try overclock ID to be lower, ind vary in performance from miner to miner. It may |
| Voltage | | | | | |
| Manual control @ | • | Auto control O (Note:softwar | e auto search base value | es.) | |
| | | 25 (default) | (No minimum | te: VID 25 is our default voltage sett er to miner. User can slightly adjust | ing and the most suitable value of VID may vary from VID up or down to get the best performance. 1044MHz 2 range of 31 to 15. The lower VID value means the |
| Miner Operationa | al Voltage(Level) | | low Wa | her voltage. If you want to try higher of er, ming: overclock is at your own risk a meating condition) | ange of or to ro. Instruction of Value infants the soverclock frequency, you may need to adjust VID to be and vary in performance. It may damage miner in |

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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.

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 | | |
|--|---|--------------|
| Miner Status Miner Configuration System Network | | |
| Settings | | |
| Network Settings | | |
| Network setup for Miner | | |
| 矿机网络设置 | | |
| IP Status 矿机IP状态 | Type:static Pictor IP Address:192.168 ethol Netmask:255.255.255.0 Gateway:192.168 Dns:8.8.8.114.114.114 | |
| ○ DHCP 自动分配IP (选此项每次矿机] ● State 手动分配IP (选此项并设置矿 | i启时会自动分配新的ip地址) 机IP地址固定 |] |
| Netmask 子网掩码 | 255.255.255.0 | |
| Gateway 网关 | 192.168.1.1 | |
| DN6 | | |
| DNS Servers 1 DNS服务器 | 8.8.8.8 | |
| DNS Servers 2 | 114.114.114 | |
| i | | 保存应用 |
| | | ✓ Save&Apply |

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

| INNOSILICON | | | | | |
|--|---|-----------------------|------------------------------------|-------------|---------------------|
| Miner Status Miner Configuration System | n Network | | | | |
| Miner Status | | | | | |
| Miner Status | | | | | |
| Summary | | | | | |
| Running Time | Accepted / R | ejected | HW | Fan Speed | Total HashRate(MHS) |
| 00d 00h 00m 49s | 30 / 0 | | 0 | 60% | 1213.34 |
| ···· MinerInfo | | | | | |
| Chain# Ad | ccepted / Rejected | нw | Temp min / Temp max / Temp avg | Status | HashRate(MHS) |
| ASCO | 3/0 | 0 | 31.33 / 58 / 44 | Alive | 149.25 |
| ASC1 ASC2 | 2/0 3/0 | 0 | 28 / 56 / 43.33 25 33 / 56 / 42 | Alive | 159.93 156.39 |
| ASC3 | 4 / 0 | 0 | 29.33 / 56 / 44 | Alive | 146.12 |
| ASC4 ASC5 | 10/0 2/0 | 0 0 | 28 / 68 / 52 32 / 65.33 / 49.33 | Alive | 142.64 153.18 |
| ASC6 | 2/0 | 0 | 34.67 / 64.67 / 50 | Alive | 149.62 |
| Warning: if a chain is down, please check loos | e cable connection, low temperature or ov | erheating conditions. | 30.077 03.337 32 | Mine | 100.21 |
| L | | | | | |
| Pools | | | | | |
| Pool URL | | User | Status Ge | tWorks Acce | pted Rejected |
| | | | | | |
| | | | | | |
| | | | | | |

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 | | |
| Overvie v Administration Upgrade | | |
| Password | | Note: As the factory reset will not reset the |
| 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 |
| | | our paid support. (Very IMPORTANT!!!) |
| Confirmation | Confirmation | |
| | | |
| | Save Pass | word |
| | | |

5.2 UPGRADE THE FIRMWARE

Download the firmware from Support Center: http://www.innosilicon.com/html/downA4/

Then 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%.

| INNOSILICON | |
|--|--|
| Miner Status Miner Configuration System Network | |
| Overview Administration Upgrade | |
| Upgrade | Note: Don't power off the miner when is is |
| Flash new firmware image | upgrading. When the progress bar reach to |
| Upload a sysupgrade-compatible image here to replace the running firmware. | 100%, upgrade done and it will reboot by |
| Please don't power off during upgrade,Use ctrl+F5 refresh. | itself. Then use "Ctrl+F5" to refresh. |
| Image: Choose file | ▶ Update |