



# User Manual



VOLCMINER  
D1 15.15G

编号 10000

版本 1.0

日期 2024/12/04

[www.VolcMiner.org](http://www.VolcMiner.org) - Official e-Store

Date	Version	Update
2024/12/04	1.0	Creation

## Readership

This document is mainly intended for readers such as individual users, administrators, and developers.

## Chapter 1

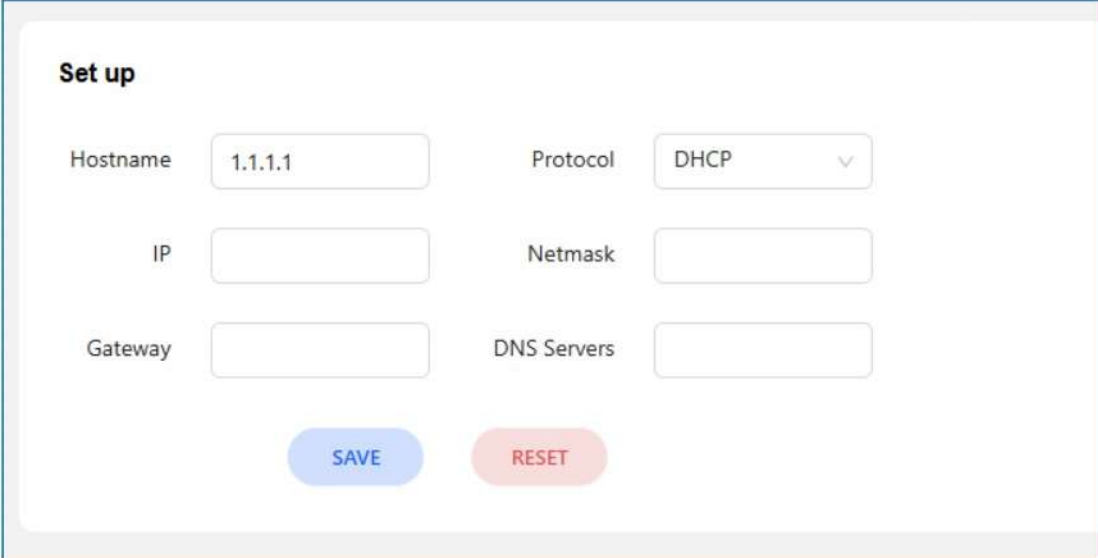
# Basic Configuration

### 1.1 IP How to find and set IP

1. Download "IP reporter"
2. Install and run "IP reporter"
3. For batch management, please set appropriate values for the shelf, step and position according to the placement of the server; for family use management, use the default values (There is a detailed description of the batch management software at the end of the article) .
4. Click"STRAT".
5. Press the "IP report" button on the control board, and when the red indicator light is on, release the button
6. The IP address of the current server is displayed on the computer screen
7. In the browser, enter the IP address of the server to log in to the server. The default username and password are "root/ltc@dog"
8. IP The default network of the server is dhcp. The dhcp protocol is used to automatically obtain network configurations. You can also set the network protocol to static and manually configure the server to obtain a static ip address. The configuration information includes the ip address, subnet mask, gateway, and DNS server address. After login, on the Configuration-Network screen, you

can set the server to a fixed IP address

#### 9. Click "Save"



**Set up**

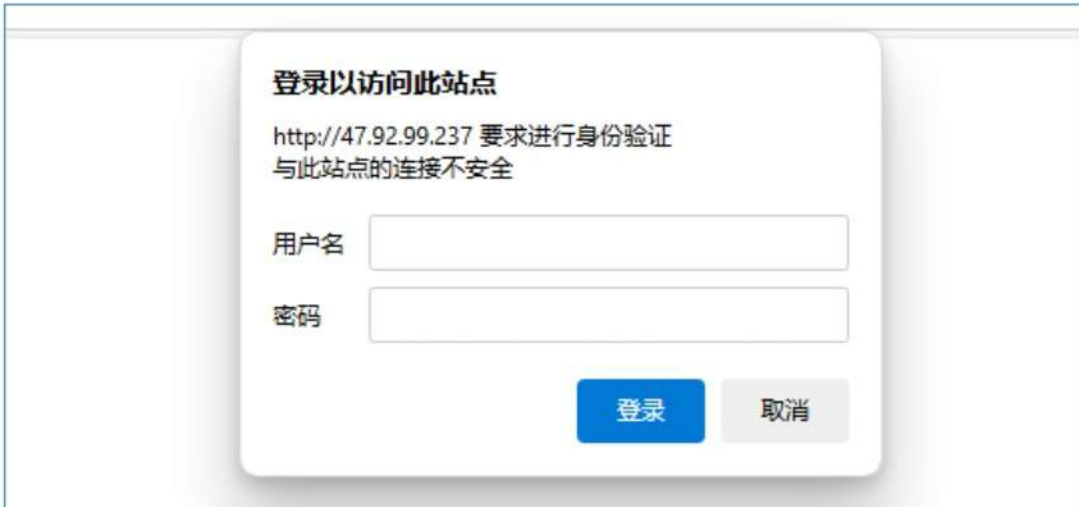
Hostname  Protocol

IP  Netmask

Gateway  DNS Servers

## 1.2 How to log in and set up a password

- a) Log in to the server management interface, the default user name and password are root/ltc@dog




**登录以访问此站点**

http://47.92.99.237 要求进行身份验证  
与此站点的连接不安全

用户名

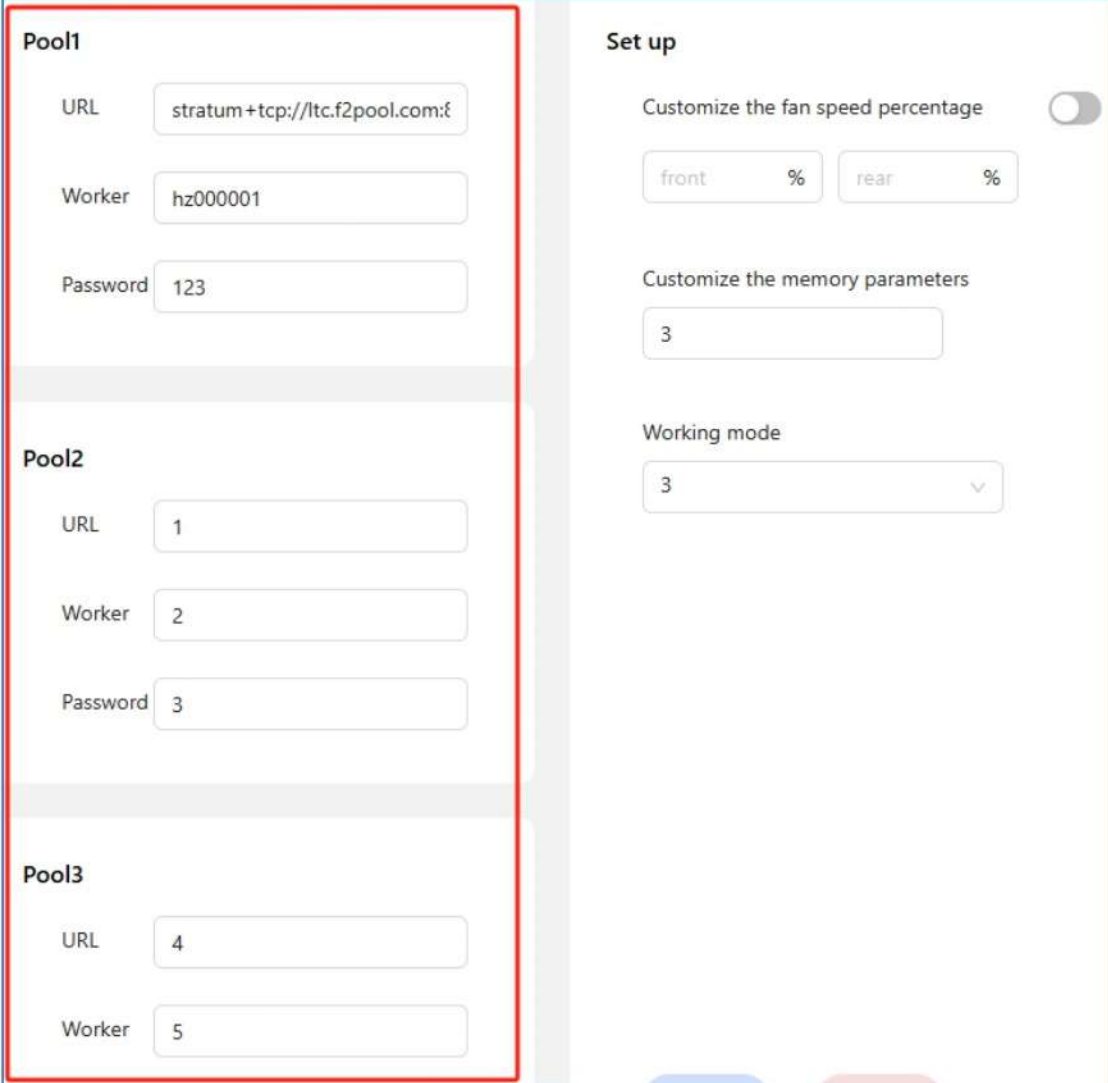
密码

2. Click Configuration-password, enter the current password, and then enter your password, after confirmation, click "Save", wait for the machine to restart, and the password modification is completed



The screenshot displays the 'Password' configuration page in the VolcMiner web interface. On the left, a sidebar menu includes 'Miner Status', 'Configuration' (with a dropdown arrow), 'Pool/Miner', 'Network', 'Password' (highlighted in blue), 'Upgrade', and 'System' (with a dropdown arrow). The main content area is titled 'Password' and contains the heading 'Changes the administrator password for accessing the device'. Below the heading are three input fields labeled 'Current', 'New', and 'Confirmation'. At the bottom of the form are two buttons: 'SAVE' (blue) and 'RESET' (red).

## 1.3 How to set up mining pool and wallet



**Pool1**

URL

Worker

Password

---

**Pool2**

URL

Worker

Password

---

**Pool3**

URL

Worker

**Set up**

Customize the fan speed percentage

front % rear %

Customize the memory parameters

Working mode

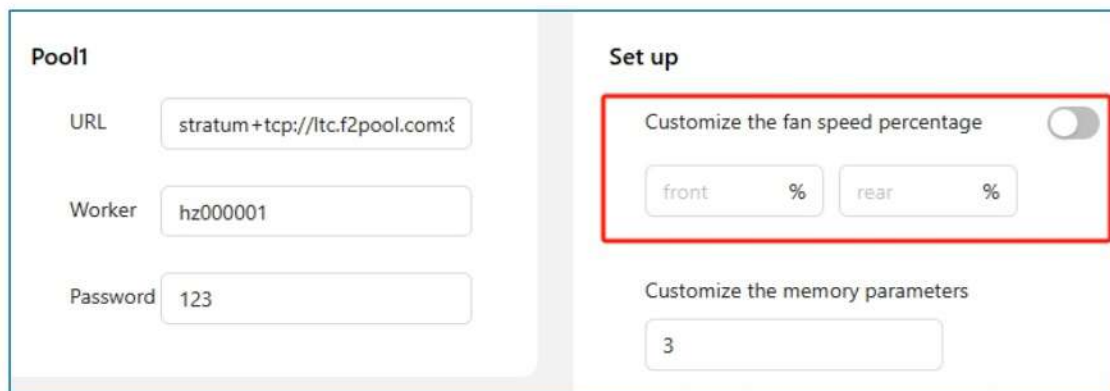
The server supports a maximum of three pool addresses. The priorities are as follows: Pool 1 > Pool 2 > Pool 3

## Chapter 2

# Advanced Configuration

## 2.1 Custom fan speed

By default, the server self-adjusts the fan speed according to the temperature of the computing board. Users can also set the fan speed according to the percentage of the maximum fan speed, so that the fan runs at a fixed speed.



The screenshot shows a configuration interface with two main sections: 'Pool1' and 'Set up'. The 'Pool1' section contains three input fields: 'URL' with the value 'stratum+tcp://ltc.f2pool.com:t', 'Worker' with 'hz000001', and 'Password' with '123'. The 'Set up' section contains a toggle switch for 'Customize the fan speed percentage' which is currently turned off. Below this toggle are two input fields for 'front' and 'rear' fan speeds, both followed by a '%' symbol. Below these is another section 'Customize the memory parameters' with an input field containing the value '3'.

## 2.2 Work Modes

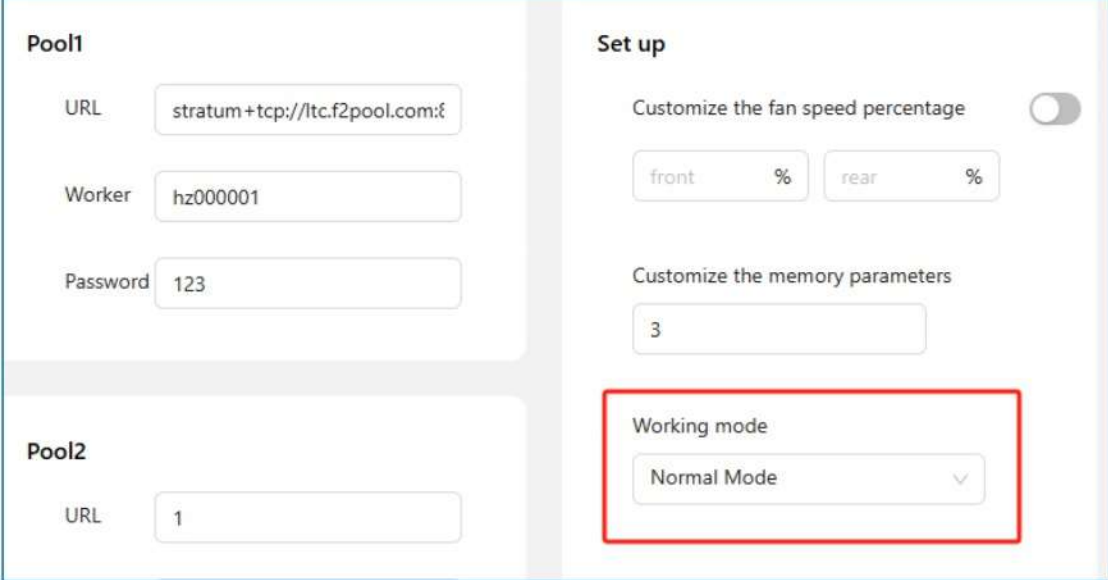
Users can switch different modes according to their own needs

- **Normal Mode**

In this mode, the power consumption ratio parameters are the best, server parameters:

computing power  $15.15 \pm 3\%$

power consumption: 3450W±5%



The screenshot displays the VolcMiner configuration interface, divided into two main sections: Pool configuration and Setup options.

**Pool1 Configuration:**

- URL: stratum+tcp://ltc.f2pool.com:8
- Worker: hz000001
- Password: 123

**Pool2 Configuration:**

- URL: 1

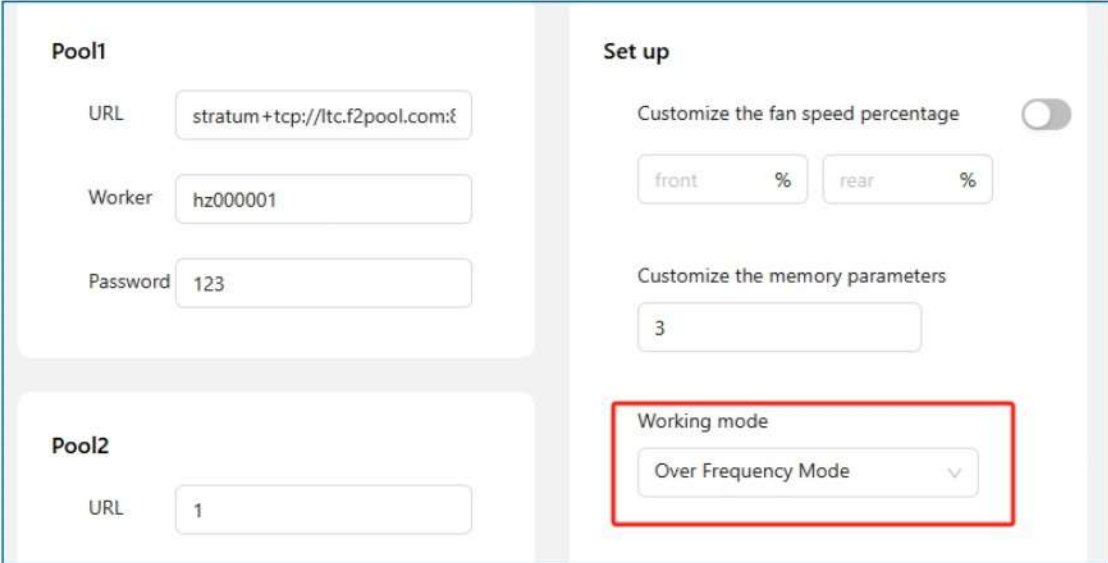
**Setup Options:**

- Customize the fan speed percentage:  (disabled)
- front: % rear: %
- Customize the memory parameters: 3
- Working mode: Normal Mode (highlighted with a red box)

- **Overclocking mode**

In this mode, the mining machine operates at a higher frequency, thereby increasing the mining machine's computing power and income. For users with cheap electricity bills, the income is higher.

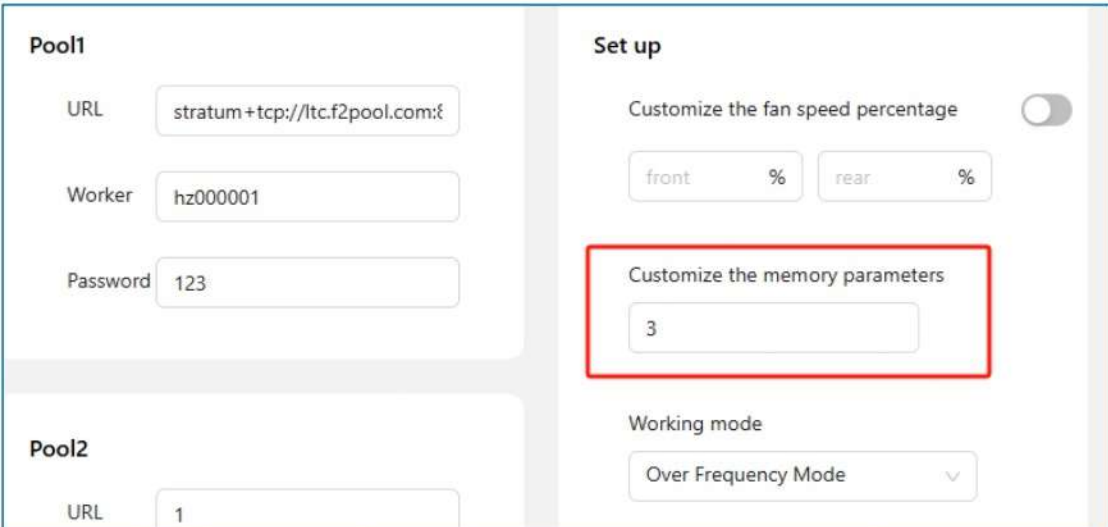




The screenshot shows the VolcMiner configuration interface. On the left, there are two pool configuration sections: 'Pool1' and 'Pool2'. 'Pool1' has fields for URL (stratum+tcp://ltc.f2pool.com:), Worker (hz000001), and Password (123). 'Pool2' has a URL field with the value '1'. On the right, the 'Set up' section contains several options: a toggle for 'Customize the fan speed percentage', two input fields for 'front' and 'rear' fan speeds (both with '%' symbols), a 'Customize the memory parameters' input field with the value '3', a 'Working mode' dropdown menu with 'Over Frequency Mode' selected, and a 'Working mode' dropdown menu with 'Over Frequency Mode' selected. A red box highlights the 'Working mode' dropdown menu.

## 2.3 Custom memory parameters

It is not recommended that users modify this parameter. 3 is the best memory parameter value obtained through testing.



The screenshot shows the VolcMiner configuration interface. On the left, there are two pool configuration sections: 'Pool1' and 'Pool2'. 'Pool1' has fields for URL (stratum+tcp://ltc.f2pool.com:), Worker (hz000001), and Password (123). 'Pool2' has a URL field with the value '1'. On the right, the 'Set up' section contains several options: a toggle for 'Customize the fan speed percentage', two input fields for 'front' and 'rear' fan speeds (both with '%' symbols), a 'Customize the memory parameters' input field with the value '3', a 'Working mode' dropdown menu with 'Over Frequency Mode' selected, and a 'Working mode' dropdown menu with 'Over Frequency Mode' selected. A red box highlights the 'Customize the memory parameters' input field.

## 2.4 Usage environment

- Power supply  
AC input voltage: 180V~285V
- Environmental requirements  
Operating temperature: -25°C ~35°C  
Storage temperature: -40°C ~70°C  
Working humidity (non-condensing): 10%~90%RH

## 2.5 Firmware Upgrade

- SD Card upgrade  
Obtain the latest SD card upgrade package from the official website [www.volcminer.org](http://www.volcminer.org) copy it into the SD card (FAT format), insert the SD card into the main control SD card slot, and turn on the computer. When the server's traffic lights flash simultaneously, it indicates that the SD card upgrade is completed. Pull out the SD card after shutting down the server.
- Network upgrade  
Obtain the latest network upgrade package from the official website [www.volcminer.org](http://www.volcminer.org) , select the upgrade package through the web page, click upload, and select Confirm

### Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration.

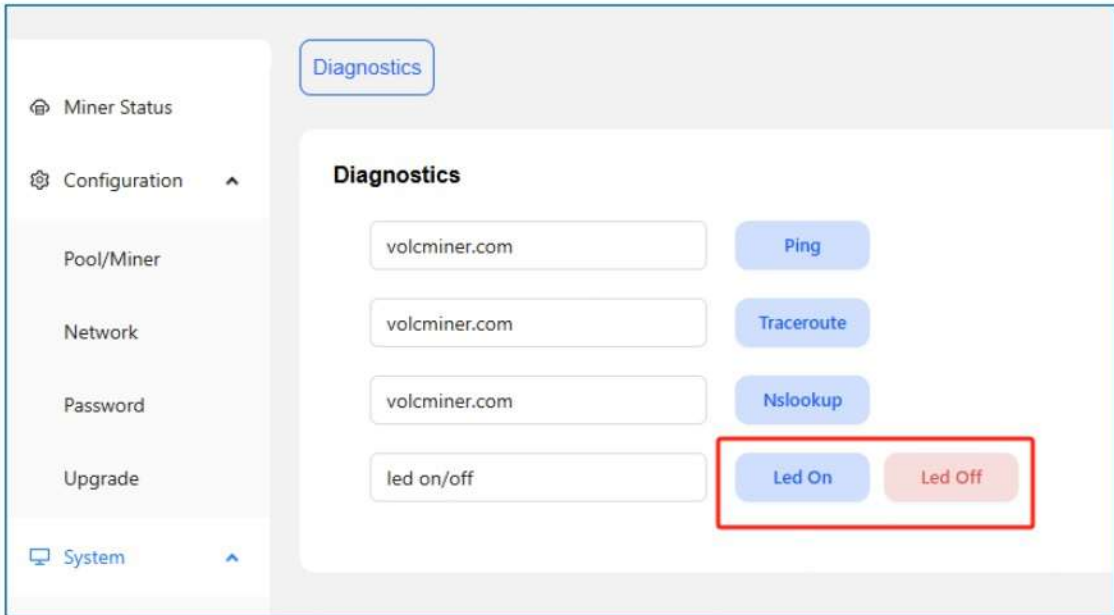
**Keep Settings**

**Image**  No file selected

The **Keep Settings** option indicates whether to save the current configuration information of the server after the upgrade. If it is not checked, the mining pool, wallet and other information in the server will be restored to the factory default settings after the upgrade.

## 2.6 Lighting Function

In the site where servers are managed in batches, in order to quickly find the server and locate the machine location, in the server system/diagnosis page, after clicking [Led on], the machine will keep the traffic light on until [Led off] is clicked or the machine is restarted, the light will go out.



**Diagnostics**

volcminer.com	Ping	
volcminer.com	Traceroute	
volcminer.com	Nslookup	
led on/off	Led On	Led Off

## Chapter 3

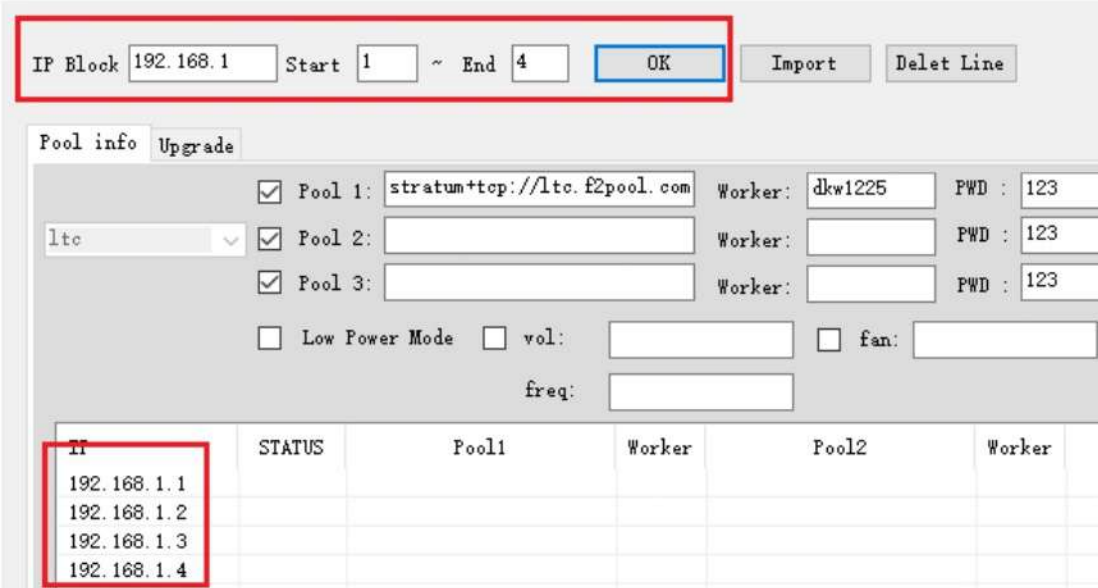
# Batch Tool User Manual

1. Select the machines you want to operate. The batch tool uses the ip segment to specify the machines. It is recommended that users fix the ip address to manage the batch machines.

IP block: ip segment

Start/End: indicates the start ip address and end ip address

After filling in the IP block and Start/End, click OK and the selected ip will be displayed in the following display page:



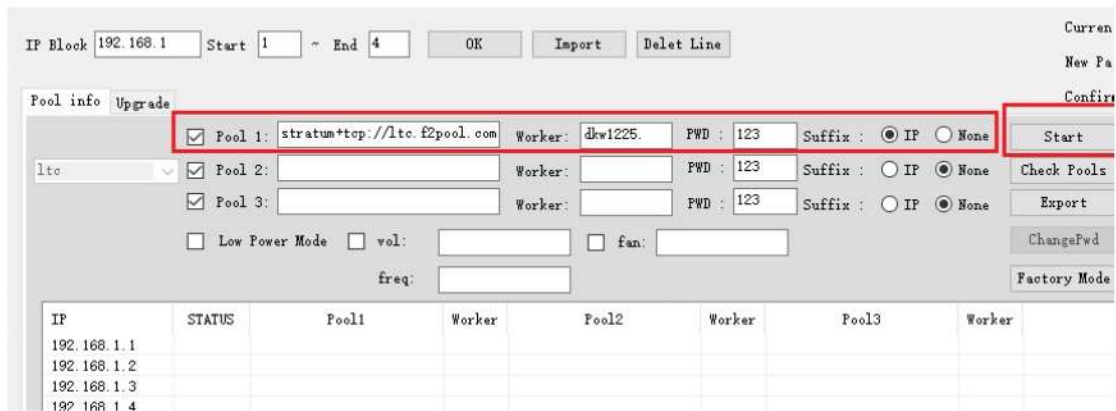
The screenshot shows the 'Batch Tool' interface. At the top, there is a form for IP block configuration. The 'IP Block' field contains '192.168.1', 'Start' is '1', and 'End' is '4'. The 'OK' button is highlighted with a blue border. Below this, there are 'Import' and 'Delet Line' buttons. The main interface is divided into 'Pool info' and 'Upgrade' tabs. Under 'Pool info', there are three pool configuration sections. Pool 1 is selected with a checkmark and contains 'stratum+tcp://ltc.f2pool.com', 'Worker: dkw1225', and 'PWD: 123'. Pools 2 and 3 are also checked but empty. Below the pools, there are checkboxes for 'Low Power Mode', 'vol:', and 'fan:', along with input fields for 'freq:'. At the bottom, there is a table with columns: IP, STATUS, Pool1, Worker, Pool2, and Worker. The 'IP' column contains a list of IP addresses: 192.168.1.1, 192.168.1.2, 192.168.1.3, and 192.168.1.4, which are highlighted with a red box.

IP	STATUS	Pool1	Worker	Pool2	Worker
192.168.1.1					
192.168.1.2					
192.168.1.3					
192.168.1.4					

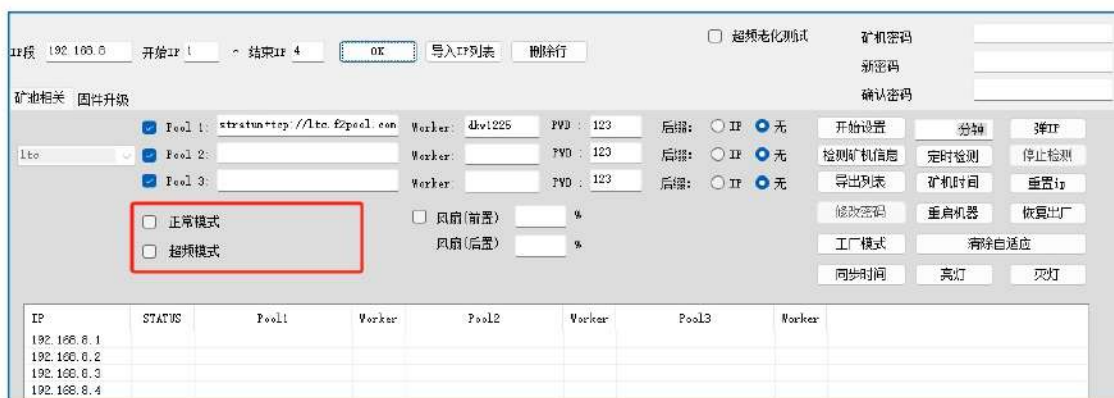
2. Configure the server information

a) Fill the mining Pool information into the pool and the wallet information into the Worker. Up to 3 groups of mining pools/wallets are supported. If Suffix needs to be added to each server Worker, select the IP selection box for Suffix. The default suffix is - as the interval symbol. If

you want to change to. As the interval symbol, manually add full stop mark . , as shown in the picture below:



- b) Finally, click the Start button, select "Yes" in the "Are you sure to change pools" dialog box, and then start to configure corresponding machines according to IP.
- c) The machine operation mode can be selected during the configuration process (only one mode can be selected):

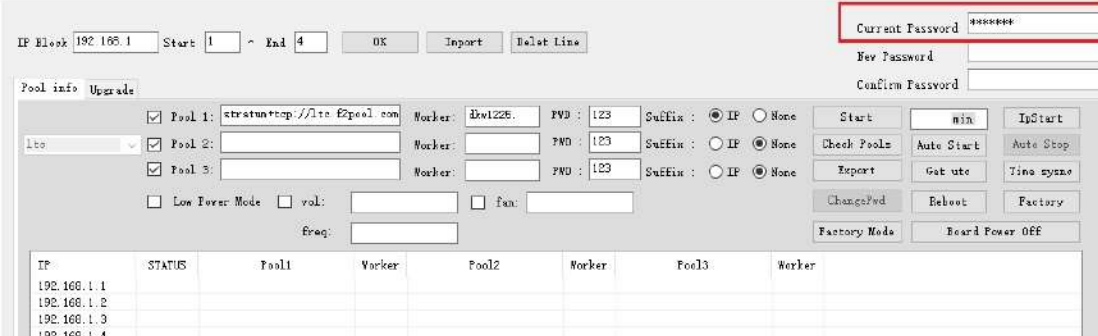


### 3. Password use

On the upper right of the tool, you can fill in the password of the machine. If you do not fill in the password, you will use the password



by default. If the user has changed the Password, enter the new password in the Current Password box.



IP Block: 192.168.1 Start: 1 ~ End: 4 OK Import Reset Link

Current Password: \*\*\*\*\*

New Password:

Confirm Password:

Pool info Upgrade

Pool 1: stratum+tcp://11111:1234.com Worker: dkw1234 PWD: 123 Suffix:  IP  None Start min IpStart

Pool 2: Worker: PWD: 123 Suffix:  IP  None Check Pools Auto Start Auto Stop

Pool 3: Worker: PWD: 123 Suffix:  IP  None Expert Get info Time sync

Low Power Mode  vol:   fan:  Change/nd Reboot Factory

freq:  Factory Mode Board Power OFF

IP	STATUS	Pool1	Worker	Pool2	Worker	Pool3	Worker
192.168.1.1							
192.168.1.2							
192.168.1.3							
192.168.1.4							

#### 4. Change passwords in batches

Mining machine password: fill in the current machine password

New Password: Fill in the new password you wish to update

Confirm password: Fill in the new password again

Fill in the IP segment and click OK. At this time, the change password button becomes clickable. Click and select OK.


#### 5. Check the server status

Fill in the ip segment and click OK, click the Check Pools button and the server status will be displayed in the display box.

#### 6. Batch upgrade firmware

a) Select the Firmware Upgrade button, and the display page switches to the upgrade display screen.

- b) Click the Add Firmware button, select the Miner Type/Miner Type as Volcminer, click the Select Firmware button and select the firmware package to be upgraded.
- c) After the firmware is added to the batch tool, close the Add Firmware dialog box.
- d) Select Miner Type/Miner type as VolcMiner, select a certain firmware to upload, it is particularly important to keep the configuration box. If you do not check the upgrade firmware, all data in the machine will be cleared, such as the password configured by the user, the user's previous Configured mining pool information, fixed IP, adaptive parameter file, etc. So be especially careful to keep this option configured, it is checked by default.



IP Block 192.168.1 Start 1 ~ End 3 OK Import Delet Line

Pool info Upgrade

Miner type: L1 Firmware: upgrade\_altcoin\_ltc-A2-108\_rootfs-blu upgrade  Keep Settings

- e) Fill in the IP segment information and click OK. Finally, click the upgrade button and select OK. The tool will start to upgrade the firmware in batches.