VOLCMINER

# User Manual

VOLCMINER

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TECKVIA

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## Readership

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

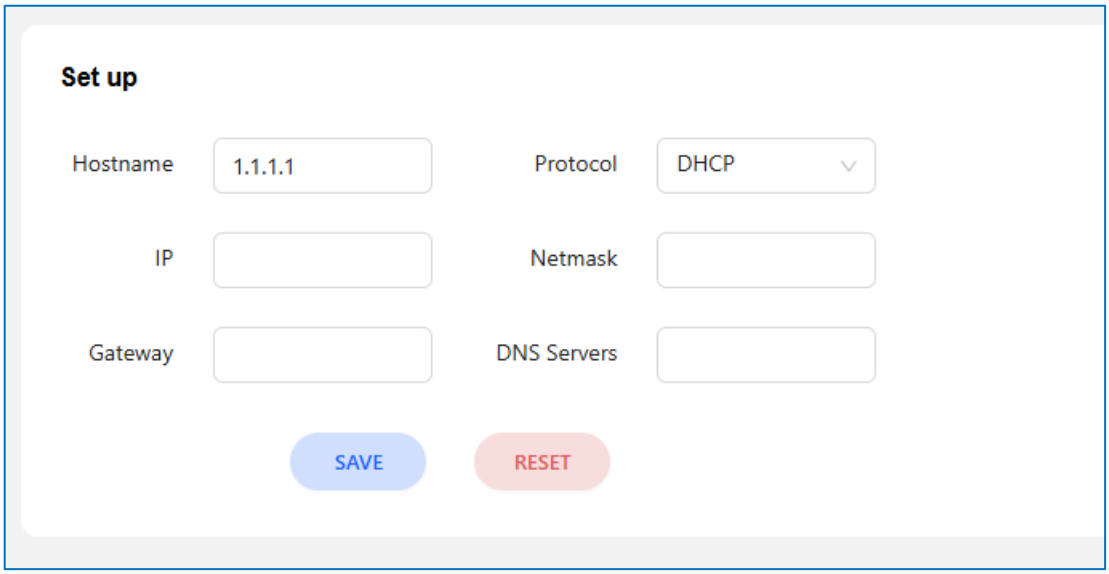
# Chapter 1 Basic Configuration

## 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

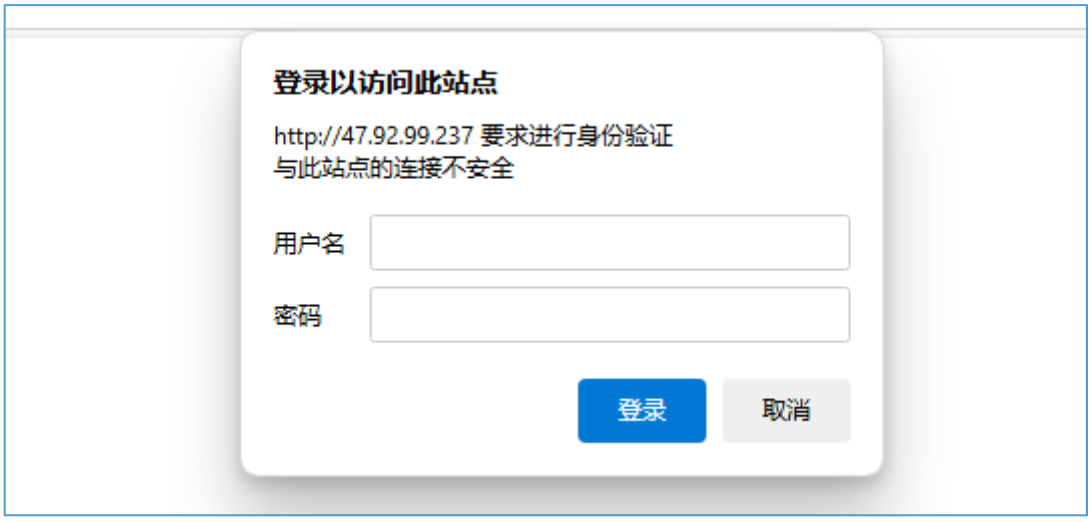
can set the server to a fixed IP address

9. Click “Save”

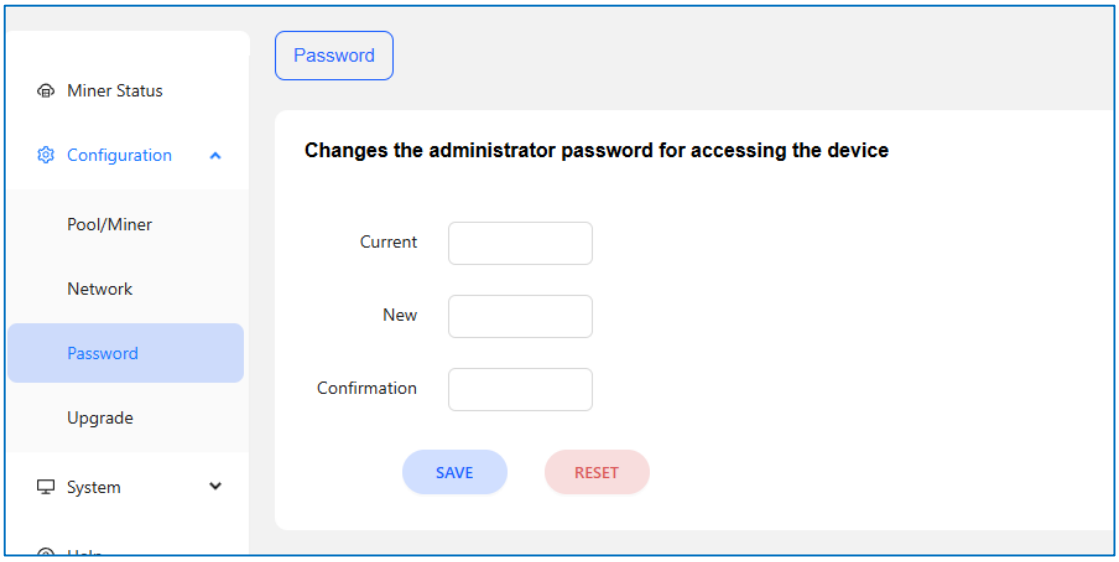



## 1.2 How to log in and set up a password

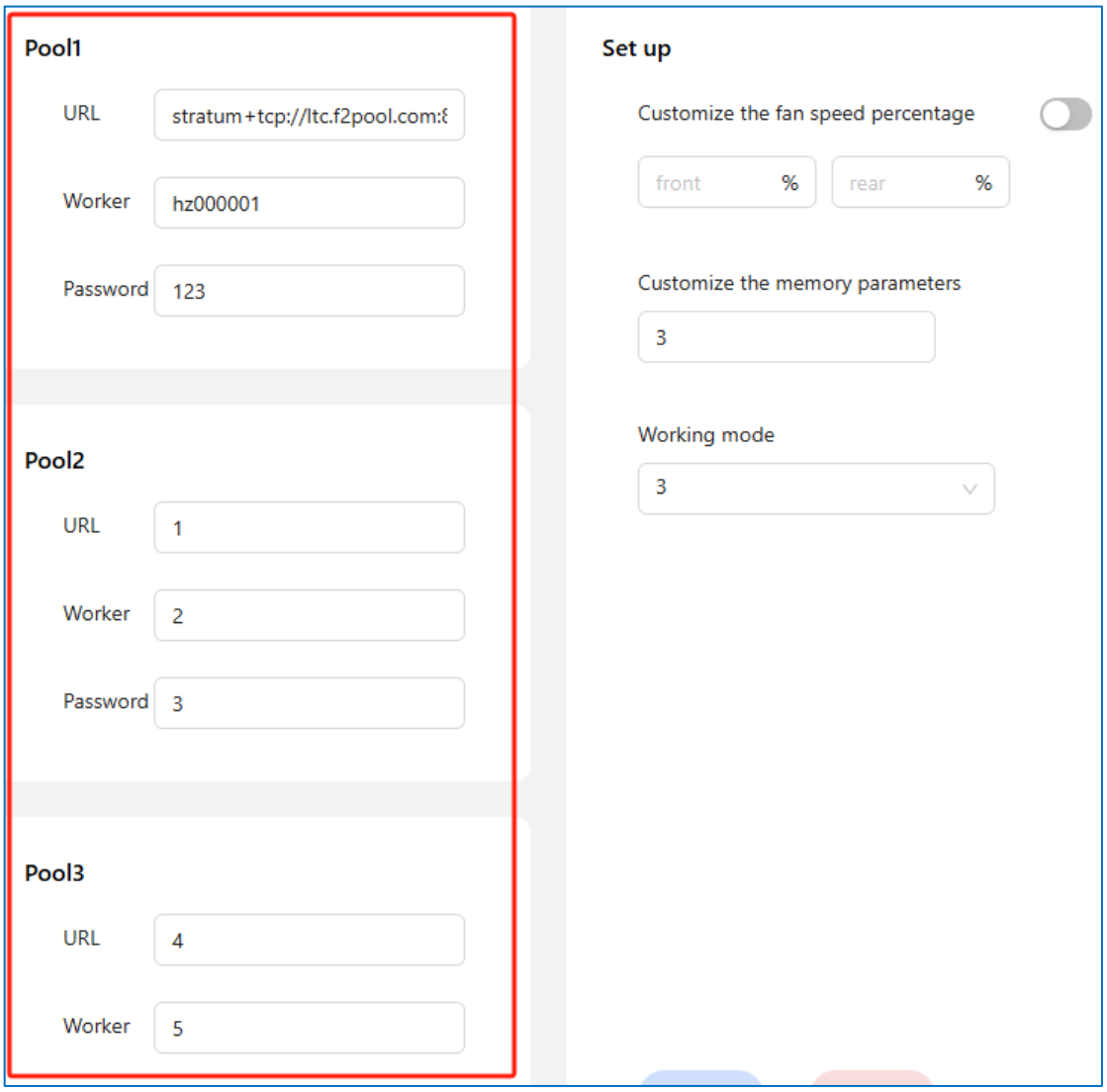
1. a) Log in to the server management interface, the default user name and password are root/ltc@dog



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



## 1.3 How to set up mining pool and wallet

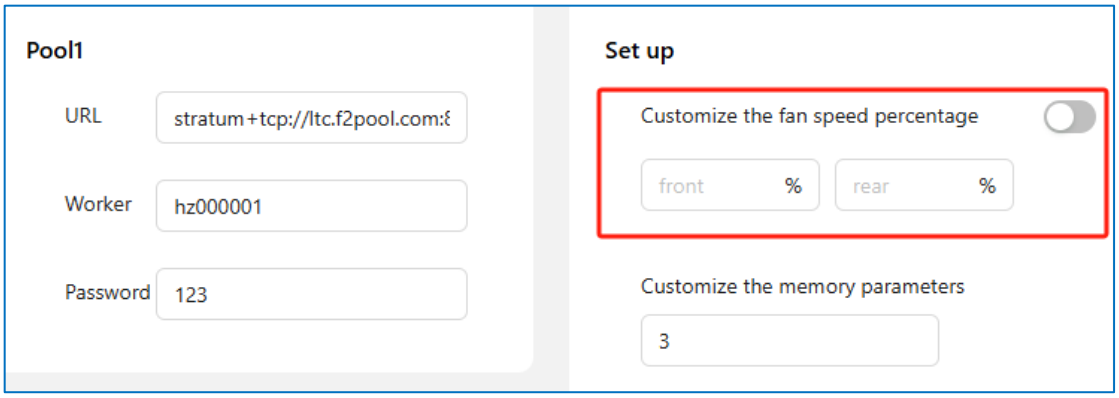



The server supports a maximum of three pool addresses. The priorities are as follows: Pool 1 > Pool 2 > Pool 3

# 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.




## 2.2 Work Modes

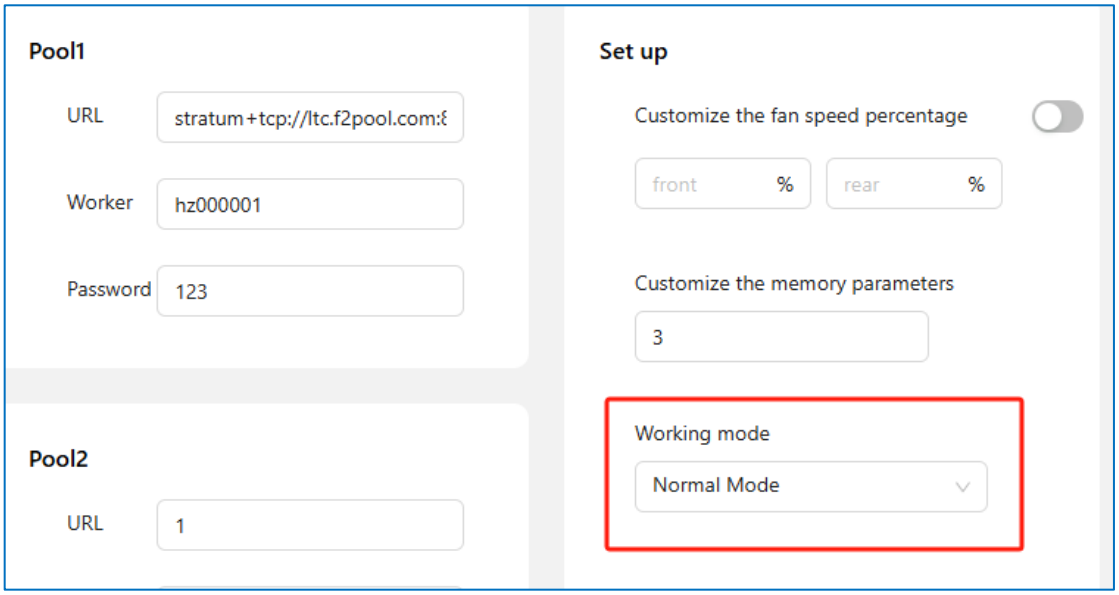
Users can switch different modes according to their own needs

- **Normal Mode**

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

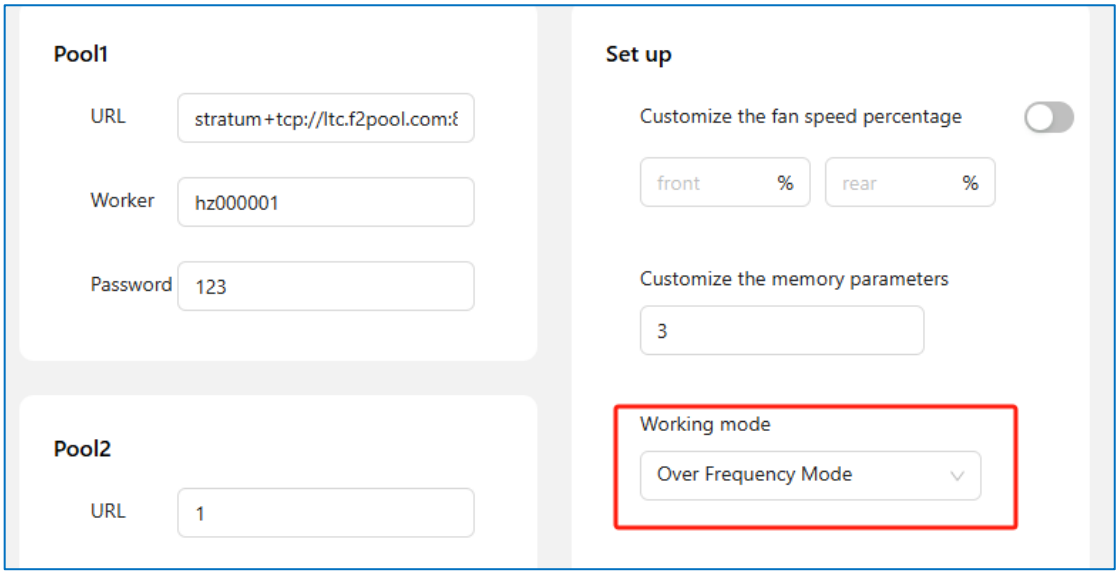
computing power 15.15±3%

power consumption: 3450W±5%



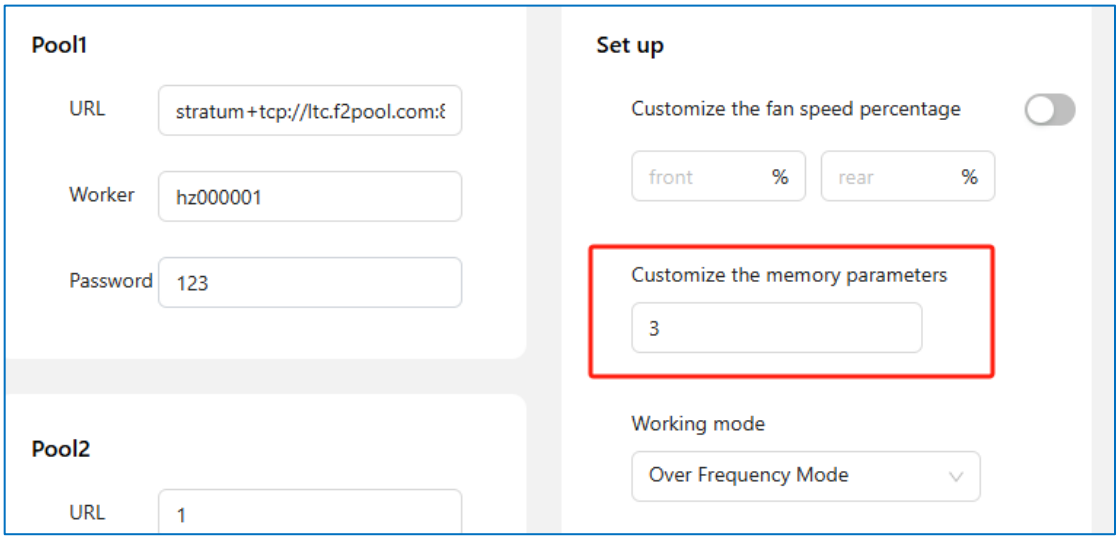

- **Overclocking mode**

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.




## 2.3 Custom memory parameters

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



## 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

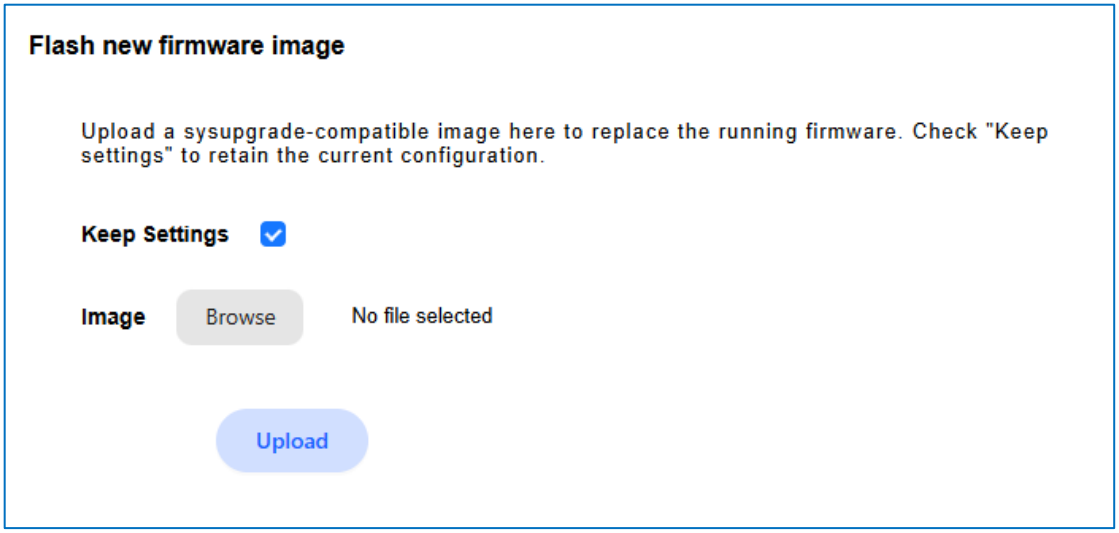
## 2.5 Firmware Upgrade

- SD Card upgrade

  Obtain the latest SD card upgrade package from the official website www.volcminer.com, 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

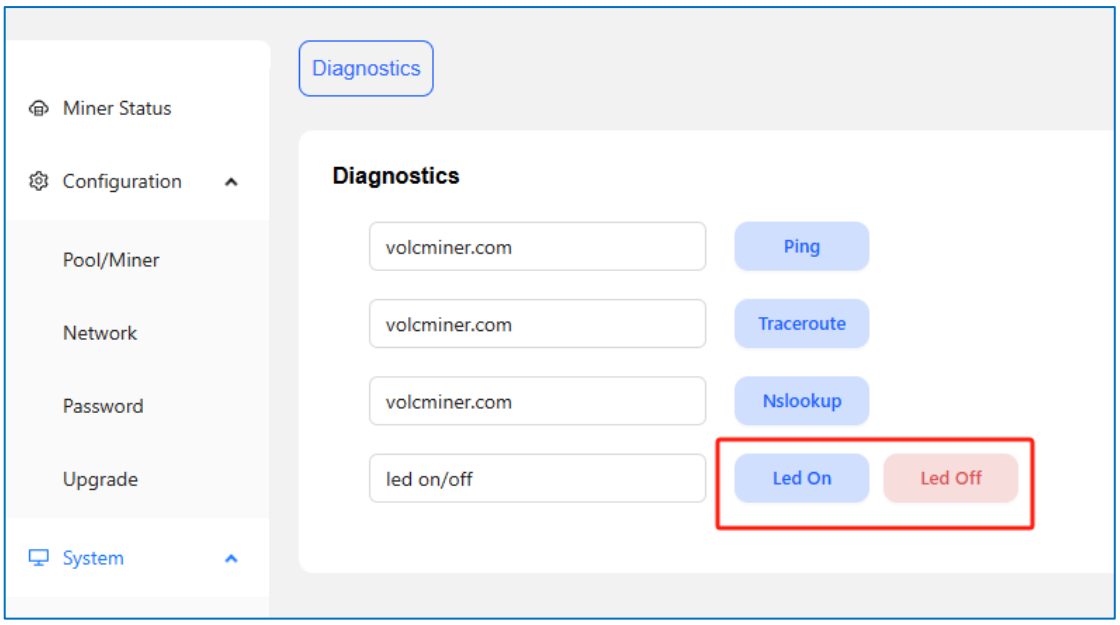
Obtain the latest network upgrade package from the official website www.volcminer.com, select the upgrade package through the web page, click upload, and select Confirm




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
Miner Status
Configuration
Pool/Miner
Network
Password
Upgrade
System
Diagnostics
volcminer.com
Ping
volcminer.com
Traceroute
volcminer.com
Nslookup
led on/off
Led On
Led Off

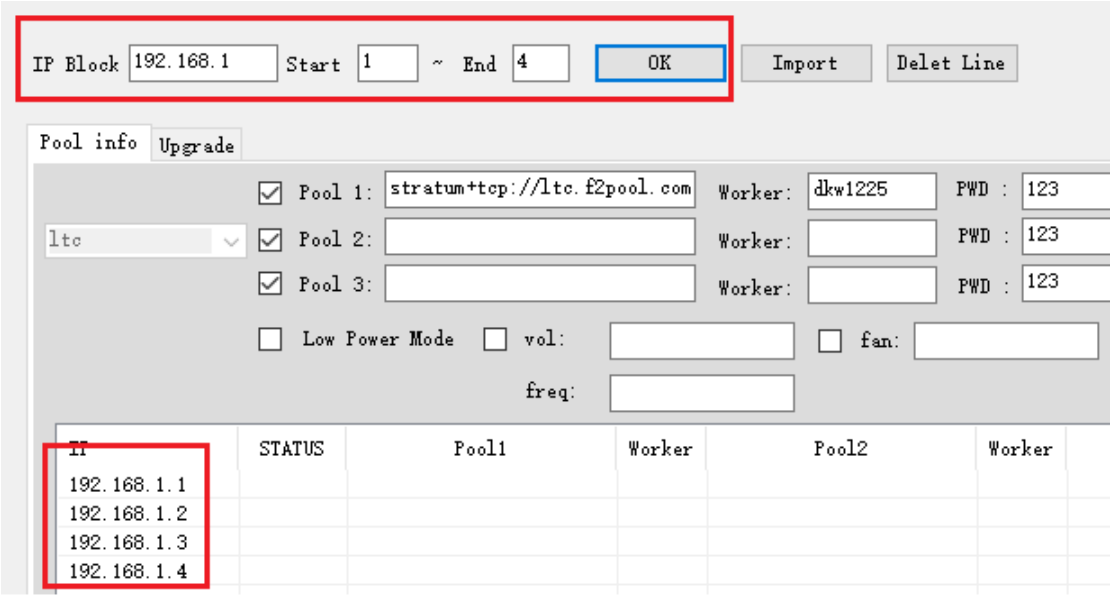
# Chapter 3 Batch Tool User Manual

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

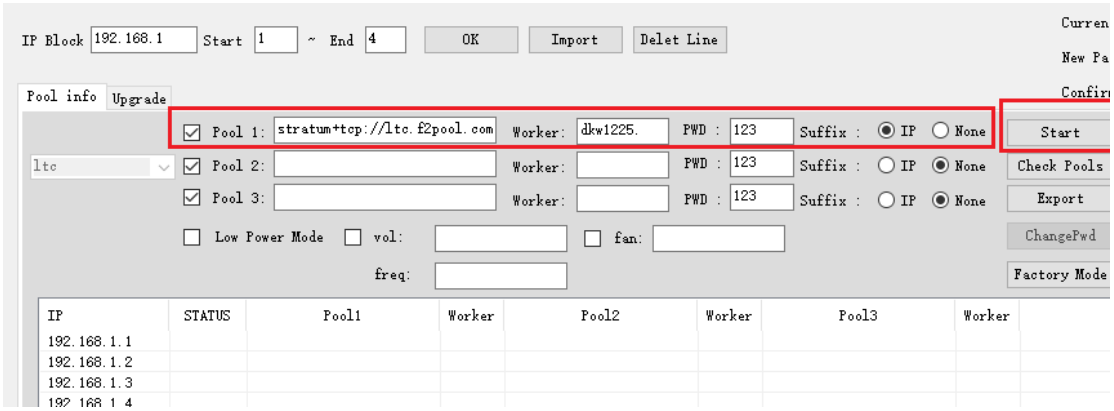
   After filling in the IP block and Start/End, click OK and the selected ip will be displayed in the following display page:




2. Configure the server information

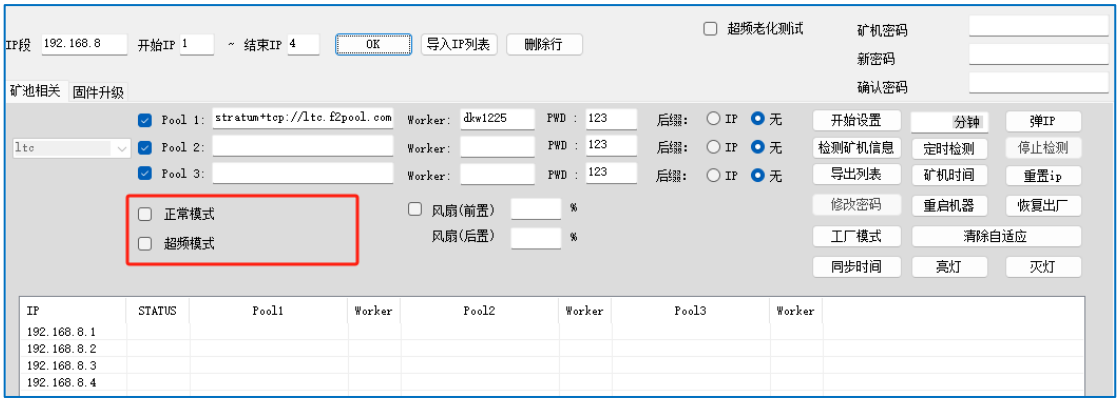
a) Fill the mining Pool information into the pool and the wallet information into the Worker. Up to 3 groups of mining pools/wallets are supported. If Suffix needs to be added to each server Worker, select the IP selection box for Suffix. The default suffix is - as the interval symbol. If

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.

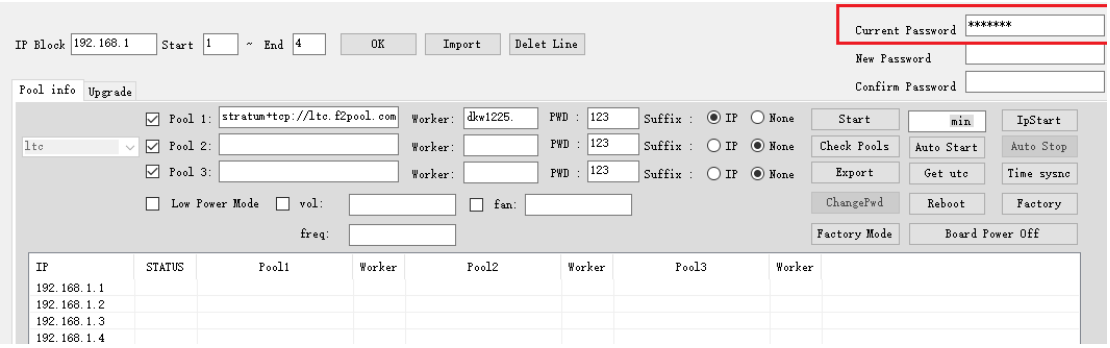
c) The machine operation mode can be selected during the configuration process (only one mode can be selected):




## 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.




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.

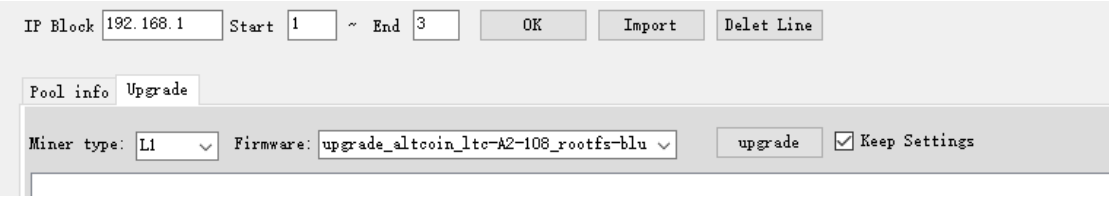
6. Batch upgrade firmware

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.




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.