

# WhatsMinerTool User Guide

## V1.6



MicroBT

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# 1. Introduction

This is a simple user guide for the WhatsMiner tool (WhatsMinerTool.exe). You can use WhatsMiner tool to detect your miner IP, modify your miner configurations (including pools, network, ntp servers etc), upgrade your miner firmware, and detect your miner info/status.

## 2. Running Environment

WhatsMinerTool can be run only on a Windows PC. It supports Windows 7/8/10.

### 3. Main Window

The screenshot shows the 'WhatsMiner Tool v1.5' interface. It features a top navigation bar with tabs: 'Detect IP', 'Upgrade', 'Fools', 'NTP Server', 'Network', and 'Miner Status'. The 'Miner Status' tab is selected and highlighted with a blue circle (3). Below the tabs is a control bar with buttons: 'Room:' (1), 'Shelf:' (1), 'Layer:' (1), 'Position:' (1), 'Step:' (1), 'Start' (4), 'Stop', 'Skip', and 'Clear'. Above the control bar is a search and action bar with buttons: 'Search IP', 'Import IP', 'Delete', 'Export' (2), 'start CGMiner', 'Reboot Miner', and 'Interval(s)' (30). The main area is a table with columns: 'ID', 'IP Addr', 'MAC Addr', 'Position', and 'Time'. A large orange circle (5) is centered in the table area.

Area ① specify the IP address range to be searched.

Area ② are global operation buttons for all the tab pages.

Area ③ are tab pages that you can select to perform an operation.

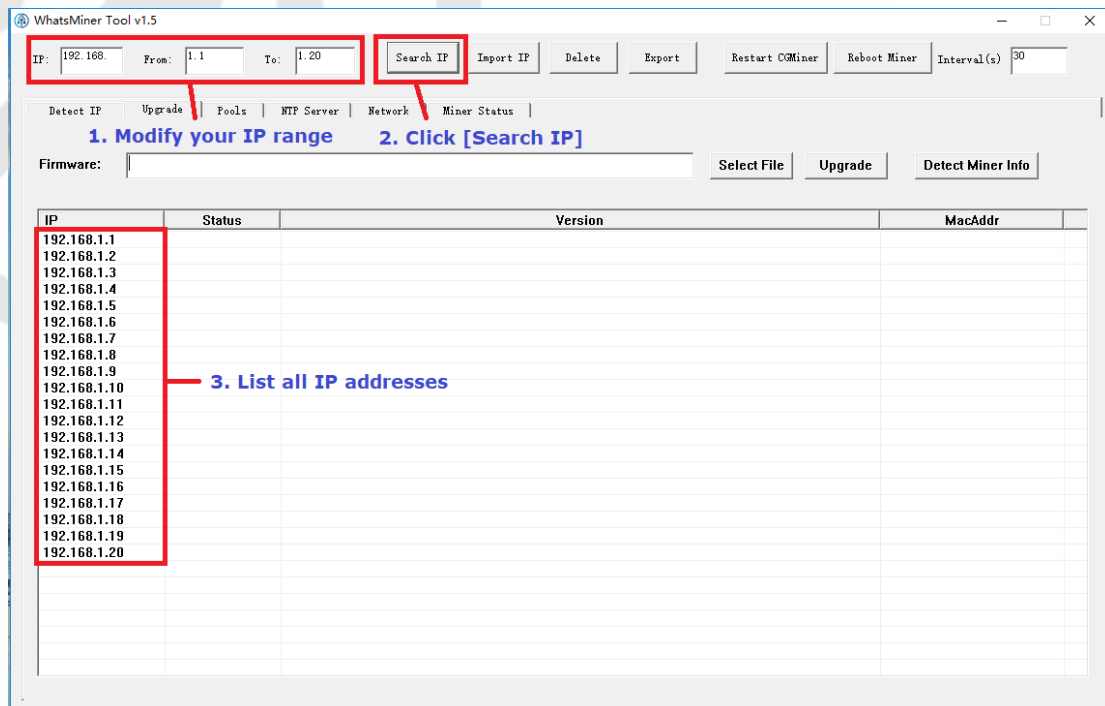
Area ④ are parameters and operation buttons for a specific tab page.

Area ⑤ shows the operation status and result.

## 4. Global Operation Buttons

### 4.1. Search IP

You can add IP addresses to the list box by clicking the **[Search IP]** button.

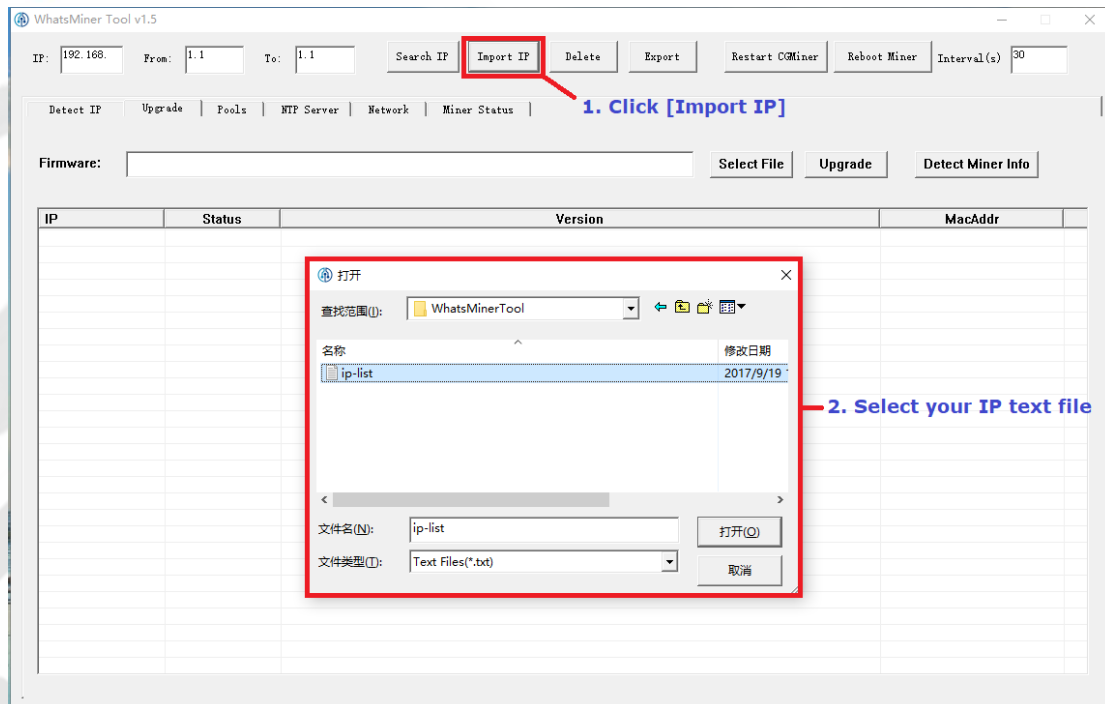


### 4.2. Import IP

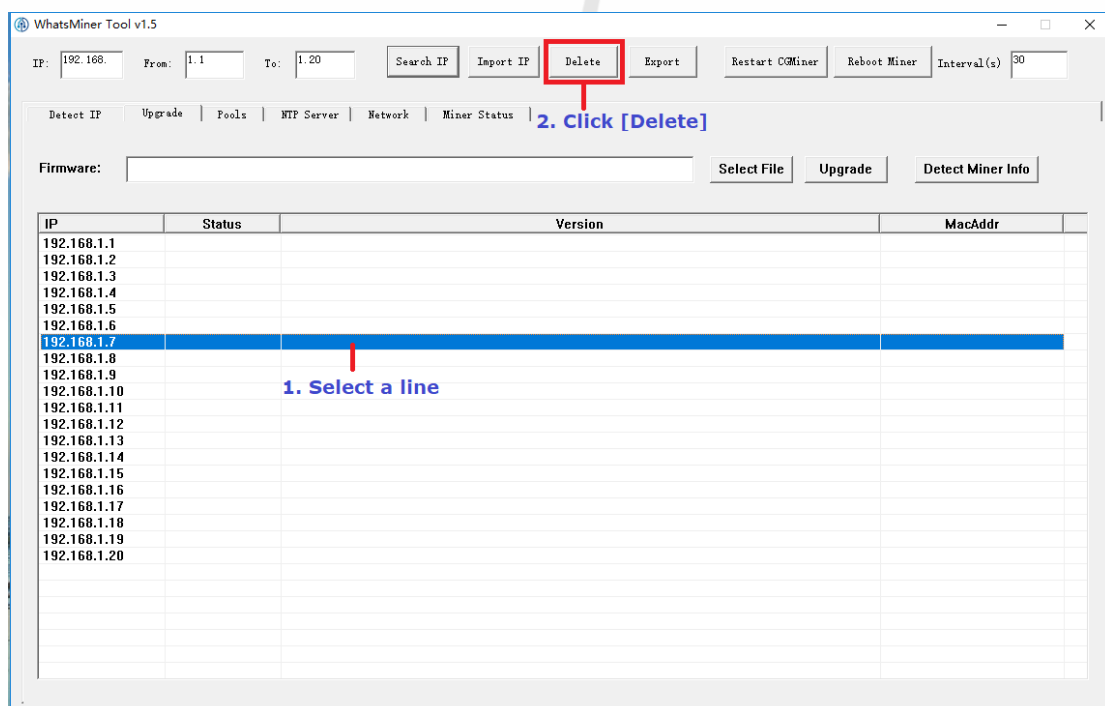
You can also import your miner IP address from a text file by clicking the **[Import IP]** button.

The IP address text file format is: one IP address per line. Like below:

```
192.168.1.1
192.168.1.2
192.168.1.3
...
```

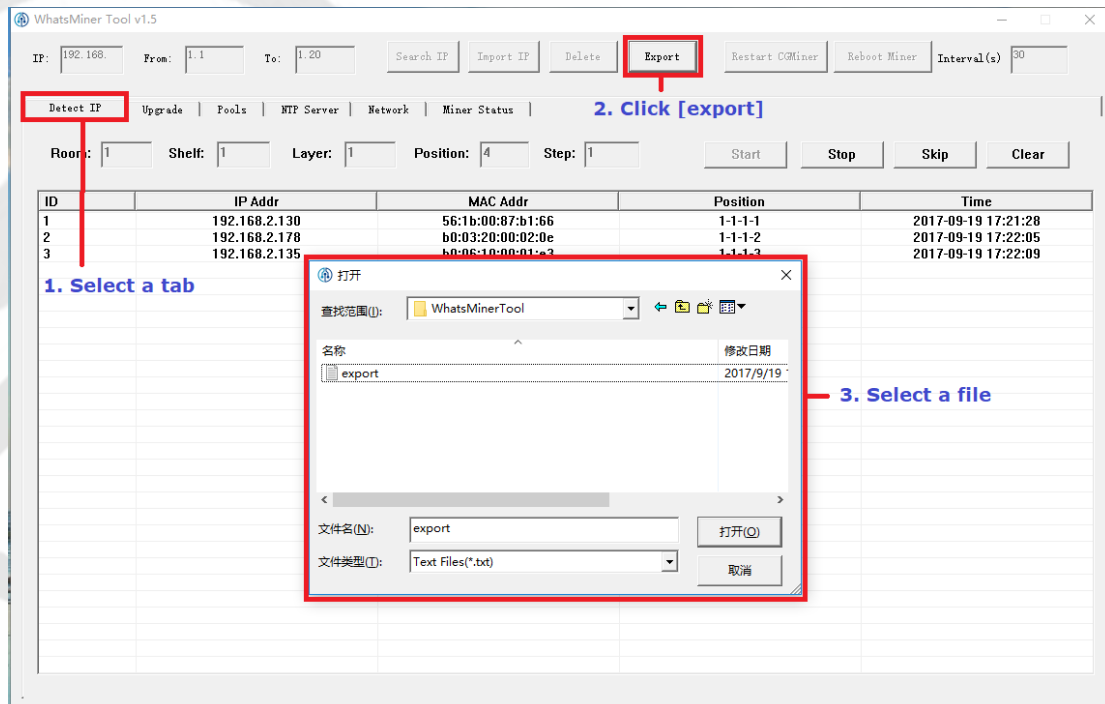


### 4.3.Delete

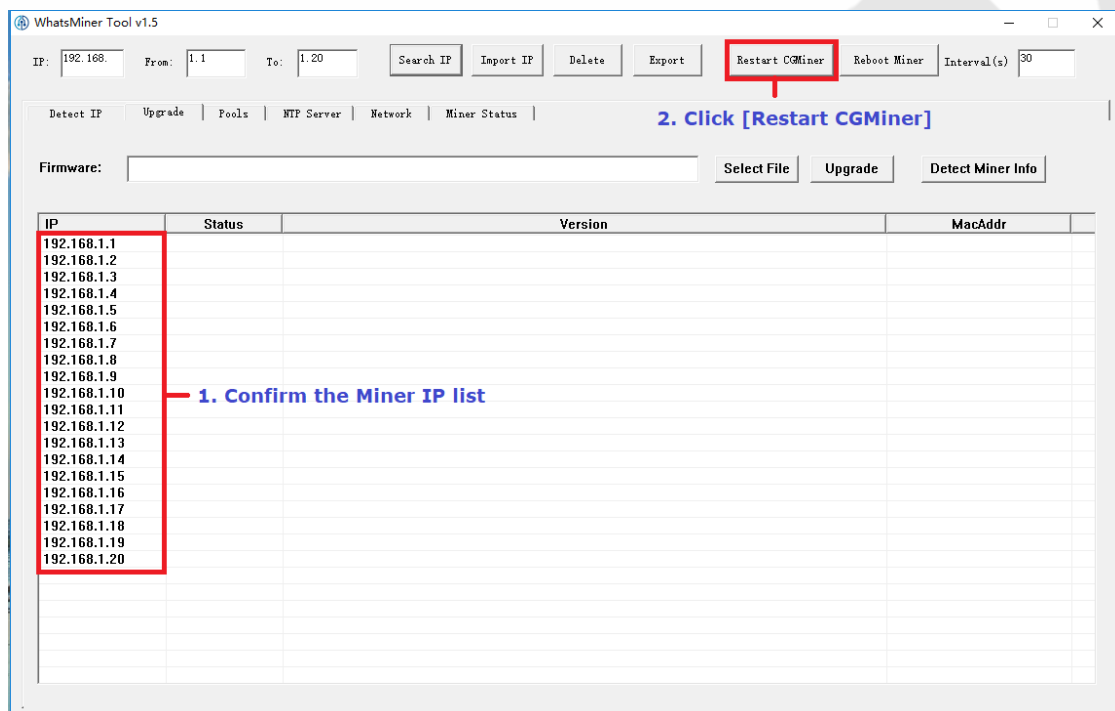


### 4.4.Export

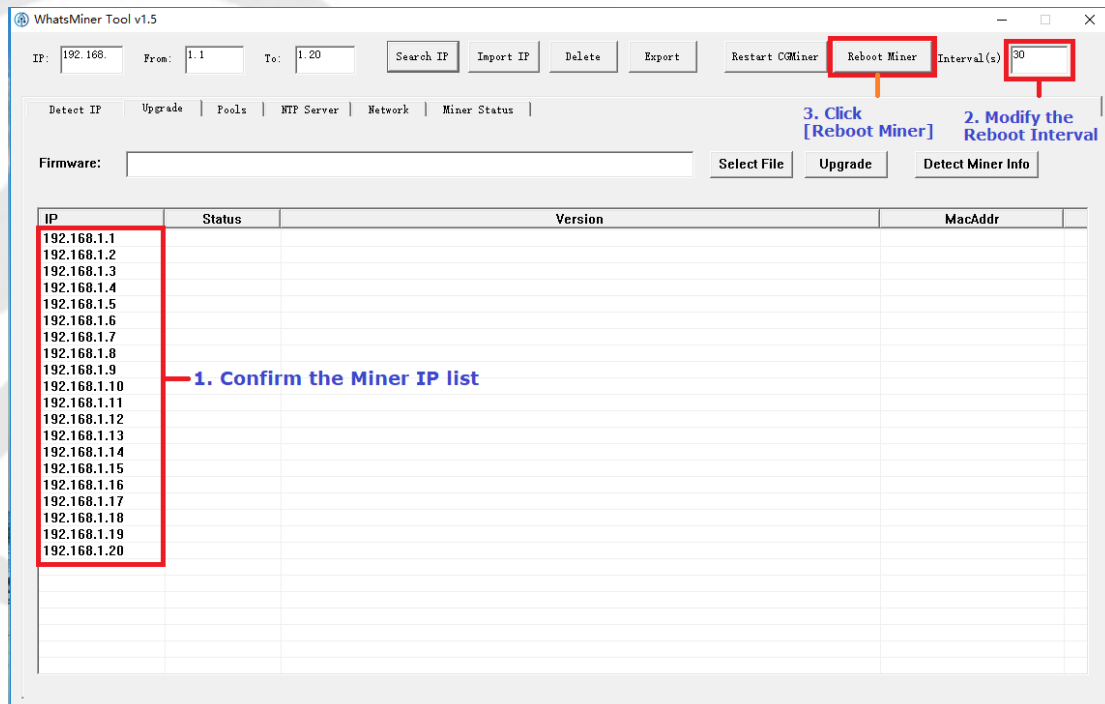
You can export the data of current tab page to a text file. Each column data is separated by a semicolon (;). You can copy and paste data to Excel and separate them by ';'.



## 4.5.Restart CGMiner



## 4.6.Reboot Miner

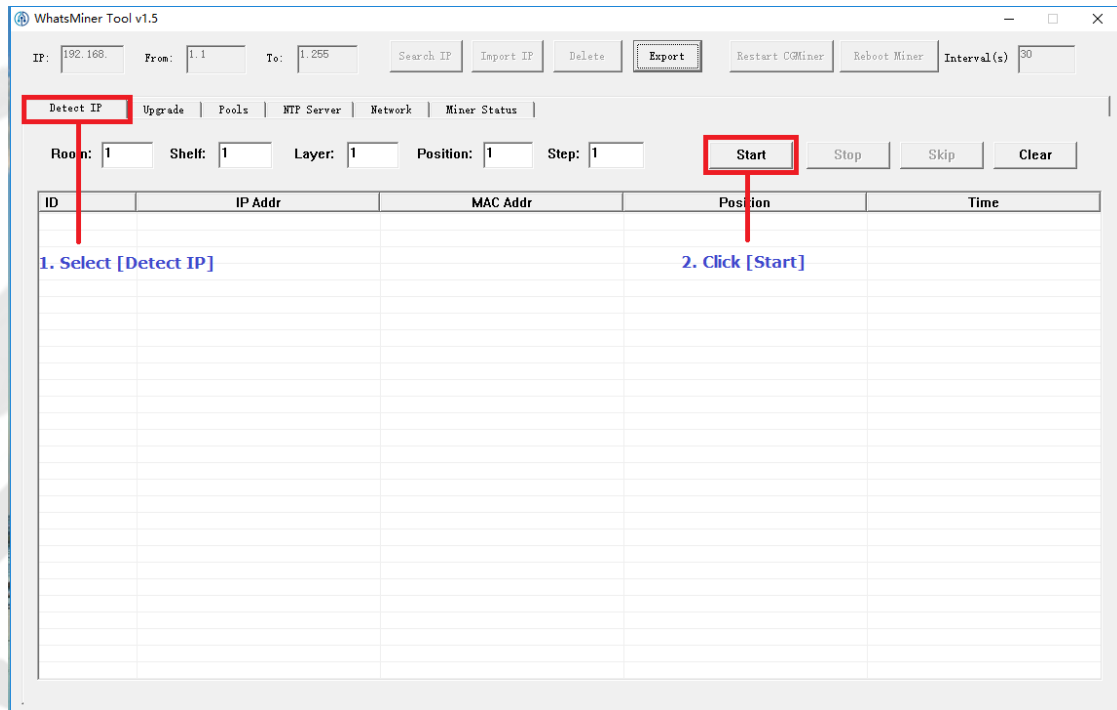


## 5. Detect IP

### 5.1.Enable IP Detecting

You can enable IP detecting by clicking [Start] button on the [Detect IP] tab page.





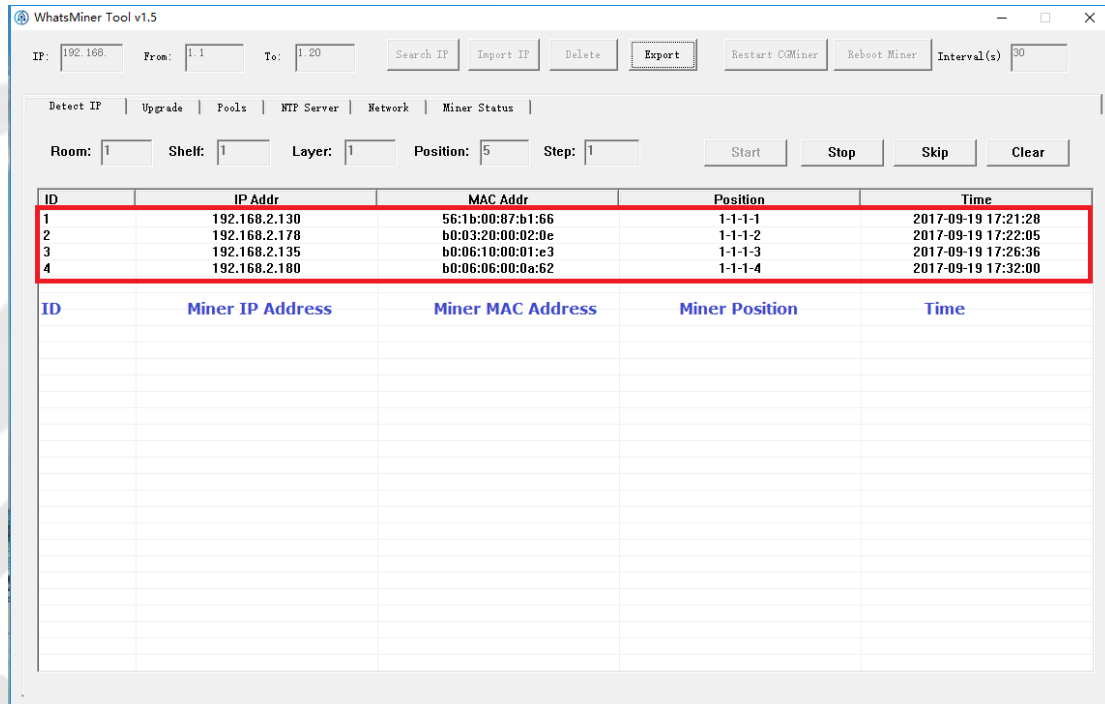
After starting IP detecting, you can click **[Stop]** button to stop it.

## 5.2.Auto Detecting the Miner IP

After starting IP detecting, WhatsMinerTool will detect and capture the Miner IP automatically.

**You can report the Miner IP by this way:** Press the long key of the control board (Near to the SD card slot) about 3 seconds, when you see the red & green LEDs flash about 3 times, then the Miner has reported its IP successfully.

And at the same time, WhatsMinerTool will receive the reported IP address, like this:

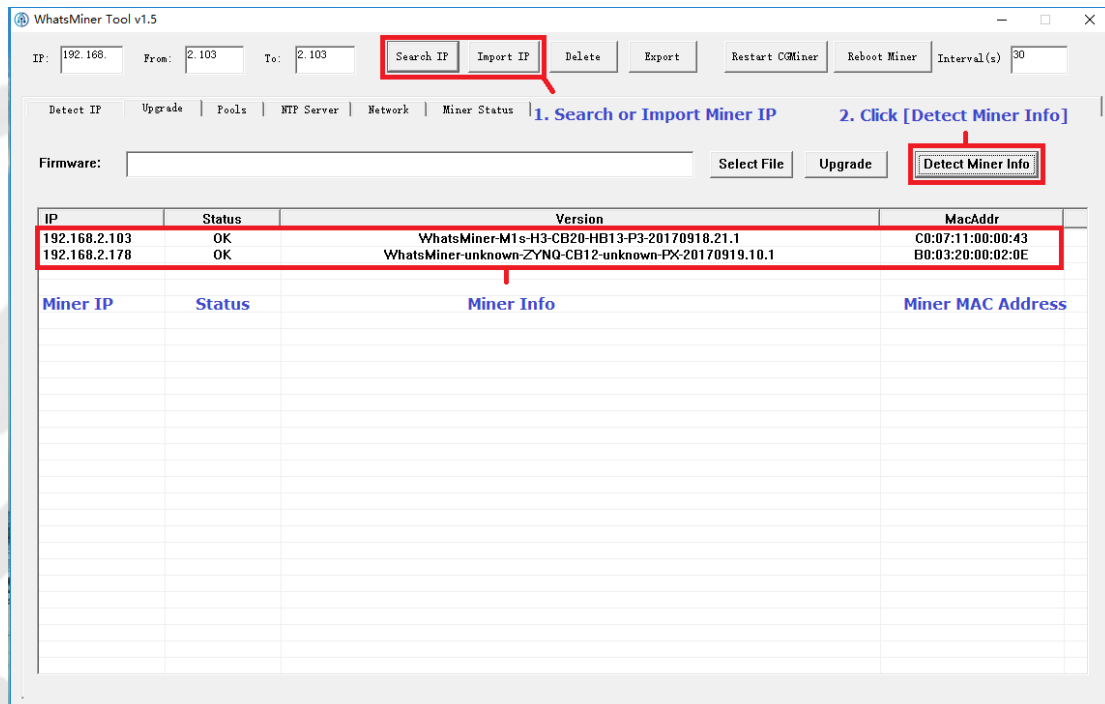


The [Position] column is composed by Room-Shelf-Layer-Position.

Click [Skip] to skip a position. Click [Clear] to clear the list box.

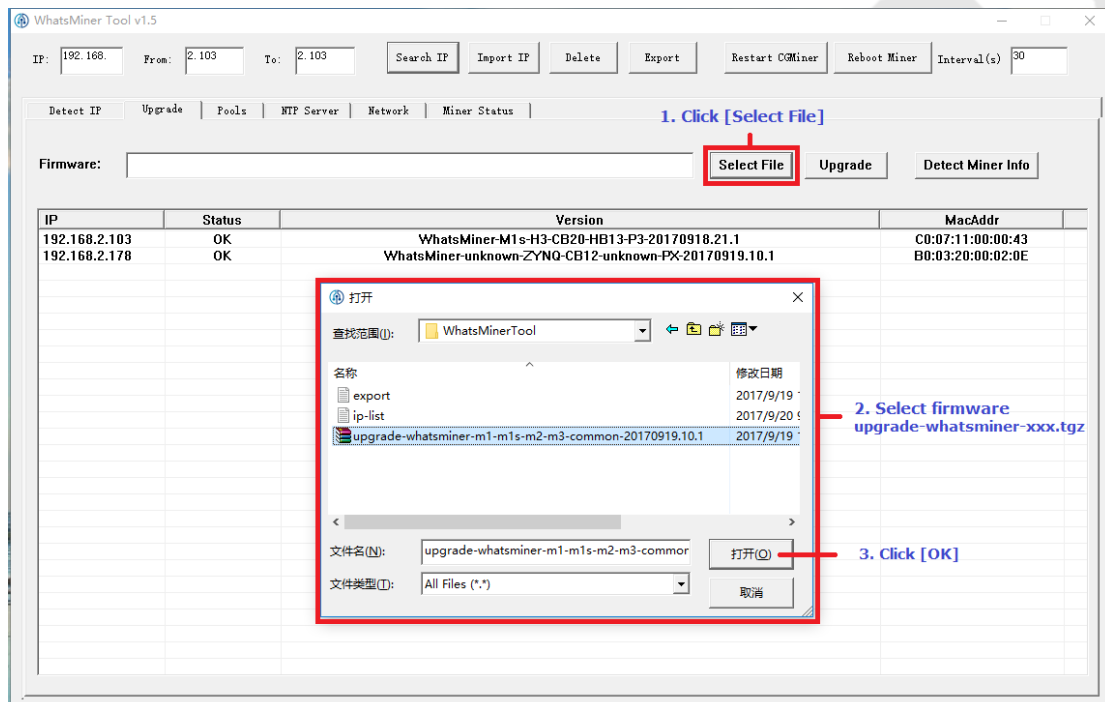
## 6. Firmware Upgrade

### 6.1. Detect Miner Info

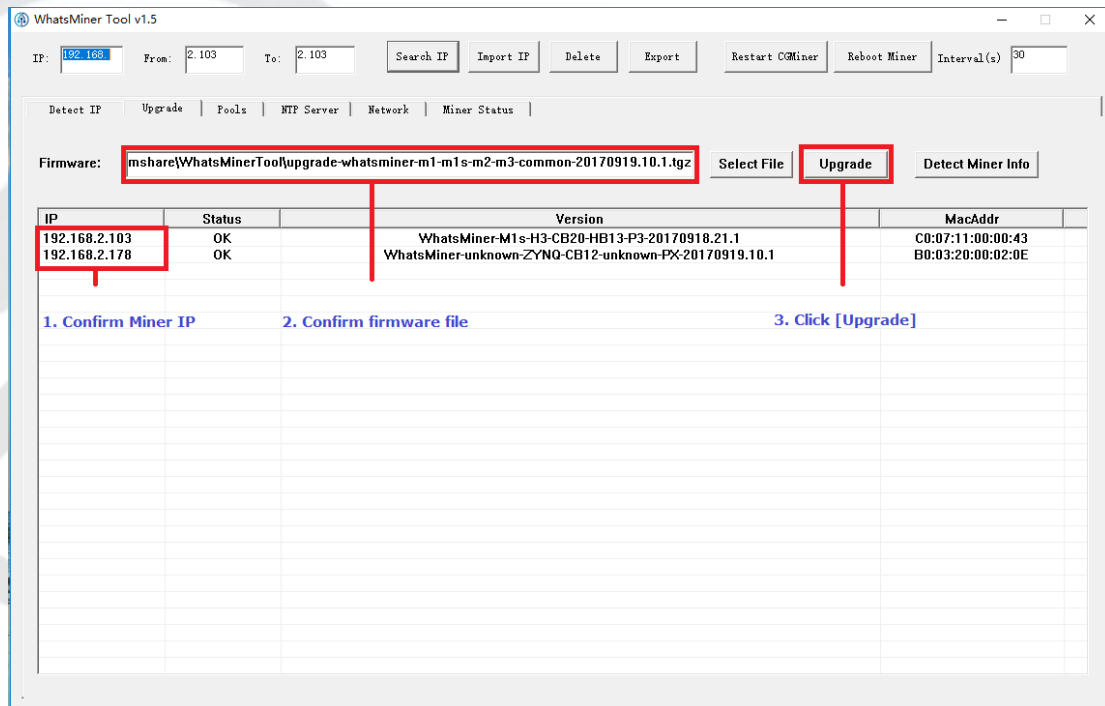


## 6.2. Firmware Upgrade

### 6.2.1. Select Firmware



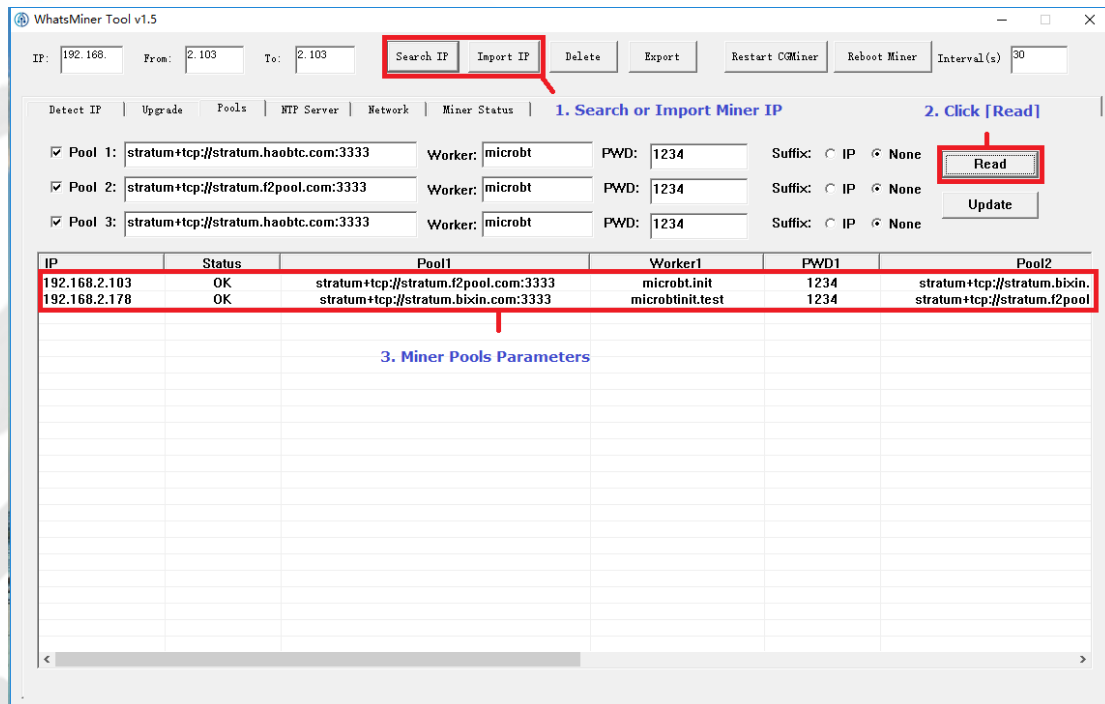
## 6.2.2. Start Upgrading Firmware



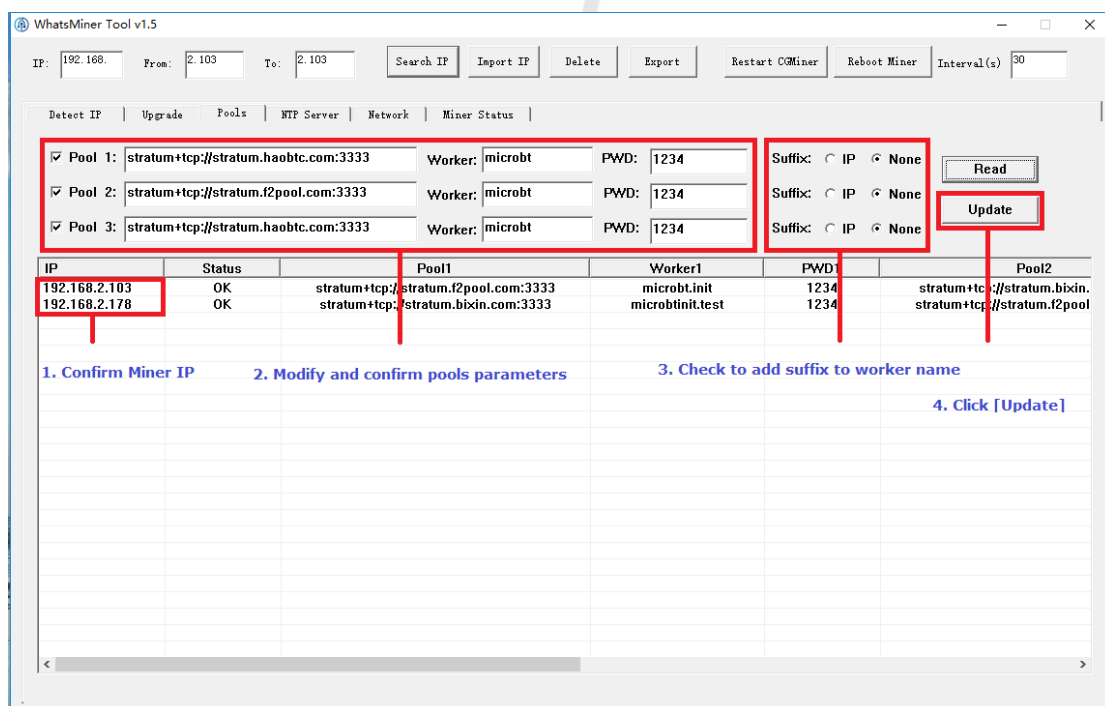
Click [OK] to perform the upgrade operation on the Message Box.

## 7. Pools

### 7.1. Read Pools Configuration



## 7.2. Update Pools Configuration



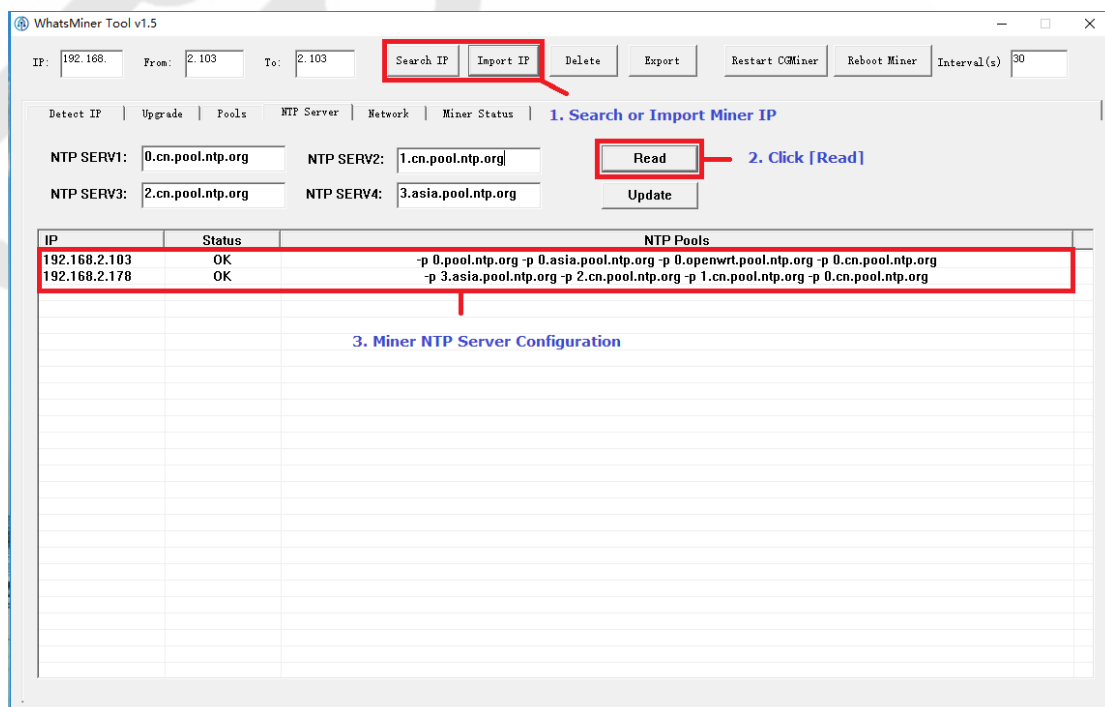
IP Suffix Usage:

1. When select **[None]**, no suffix will be added to the Worker name.
2. When select **[IP]**, the last three fields of the IP address will be added to the Worker name. For

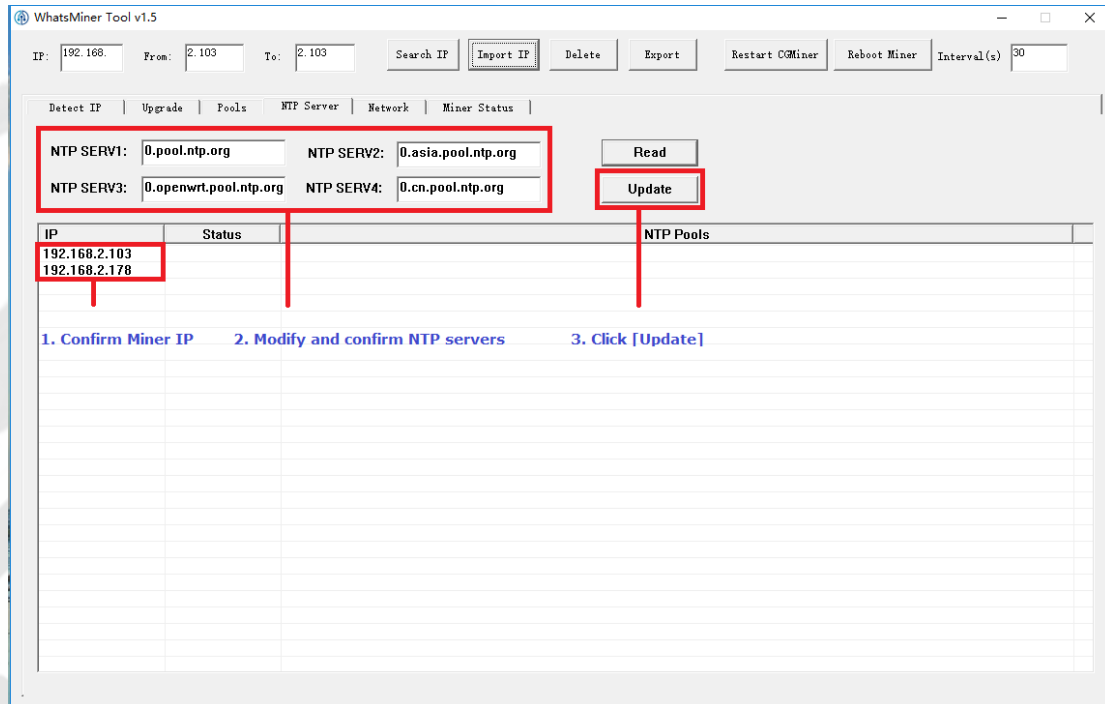
example, for Miner 192.168.2.178, the Worker name will be microbtinit.test.168x2x178.

## 8. NTP Servers

### 8.1. Read NTP Servers



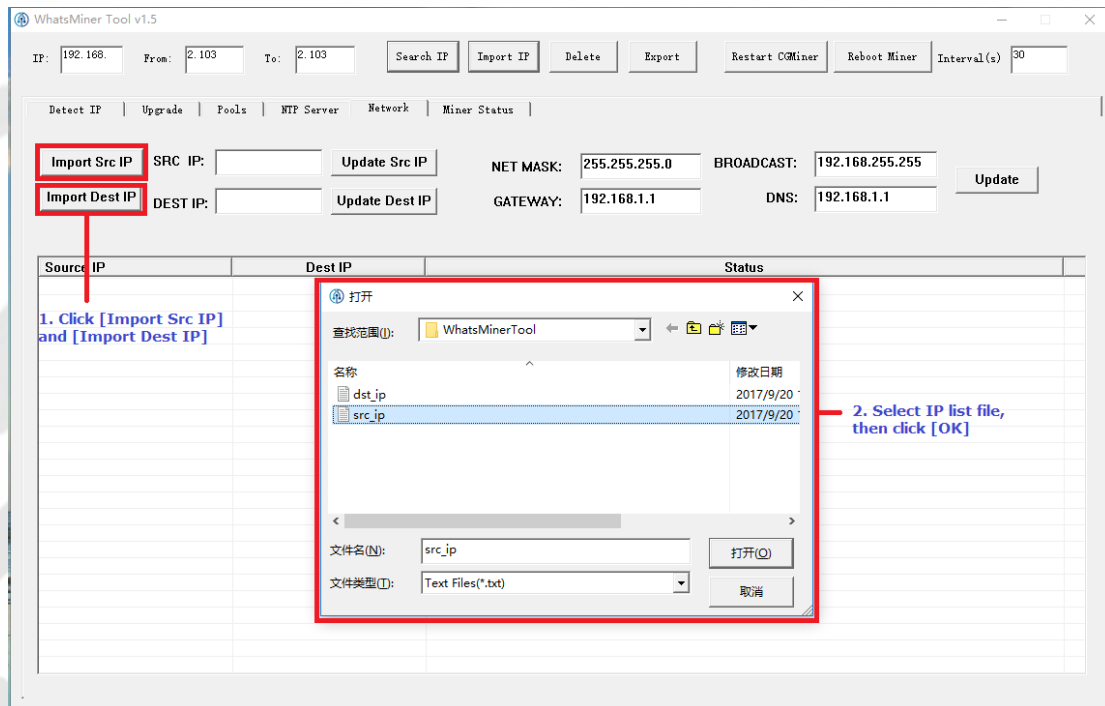
### 8.2. Update NTP Servers



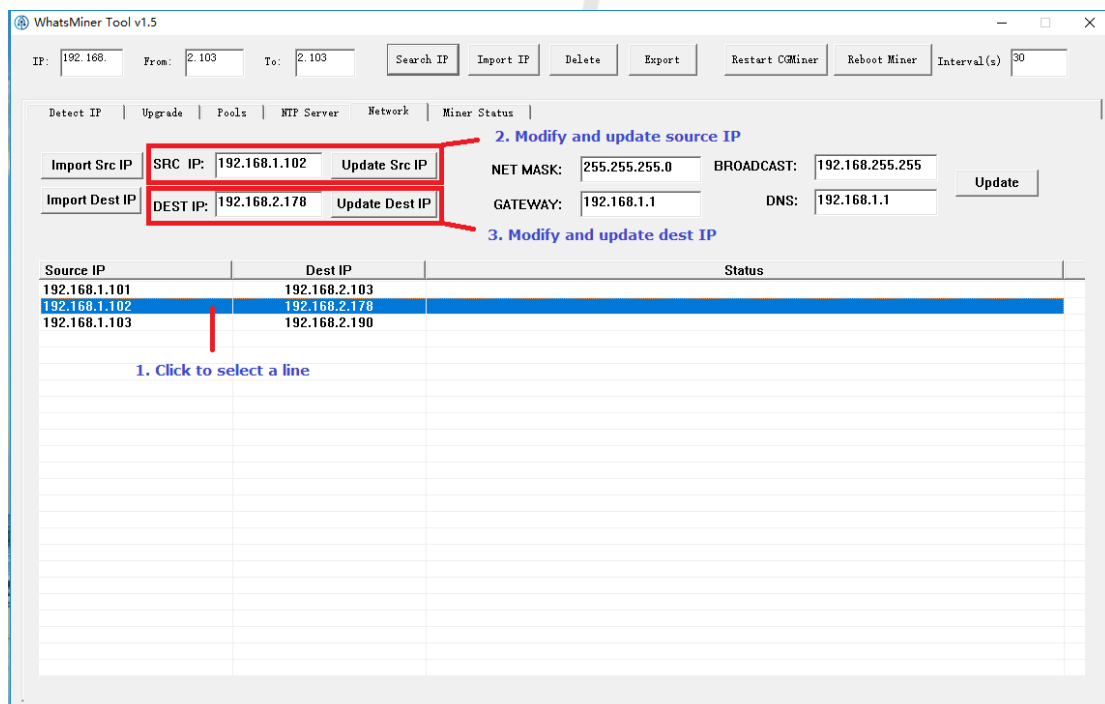
## 9. Network Parameters

Source IP is current IP of the Miner, Dest IP is the new IP of the Miner. The new Dest IP will be set to a static IP.

### 9.1.Import Src and Dest IP

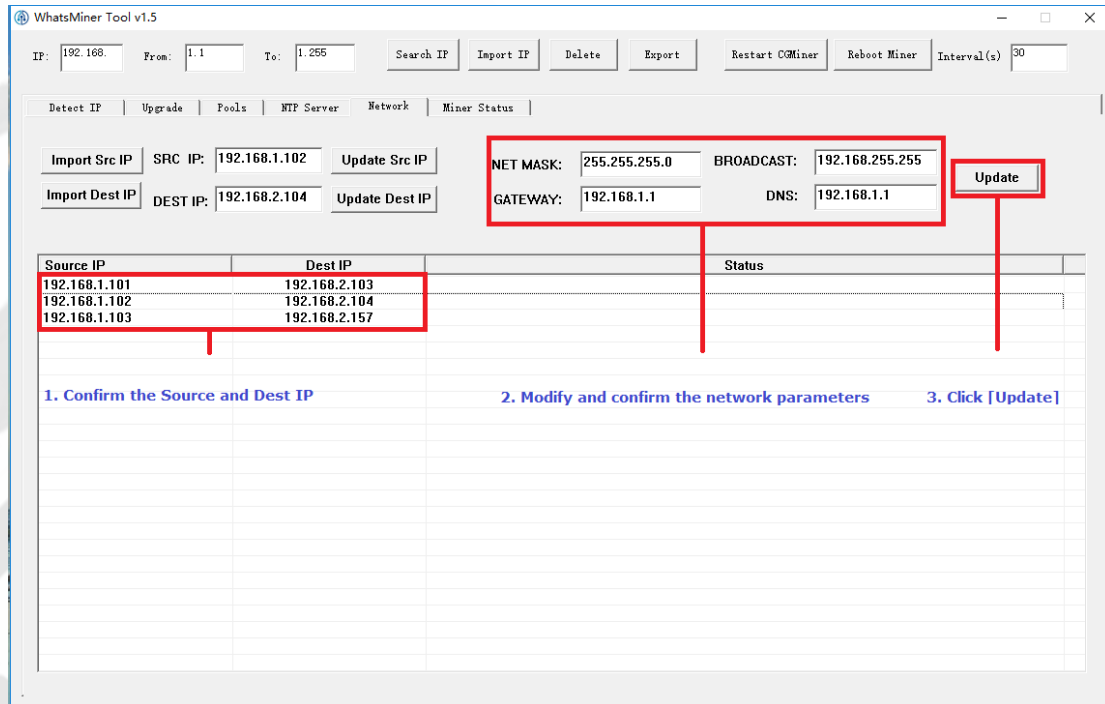


## 9.2.Modify Src and Dest IP



### 9.3.Update Network Parameters





Source IP	Dest IP	Status
192.168.1.101	192.168.2.103	
192.168.1.102	192.168.2.104	
192.168.1.103	192.168.2.157	

1. Confirm the Source and Dest IP      2. Modify and confirm the network parameters      3. Click [Update]

Note: You must reboot the miner to enable the new network parameters after finishing the update operation.

## 10. Miner Status

### 10.1. Detecting Miner Status

WhatsMiner Tool v1.5

IP: 192.168. From: 1.1 To: 1.255 Search IP Import IP Delete Export Restart CMiner Reboot Miner Interval(s) 30

Detect IP Upgrade Pools NTP Server Network Miner Status

1. Search or Import Miner IP

2. Click [Start Detecting]

Start Detecting

IP	Status	Elapsed	GHSav	Temp	FanSpdIn	FanSpdOut	Freq_avg	Freq_max	Freq_min	GHSav0	GHS
192.168.2.103	Running	4m 14s	10564.55	84.00	5790	5670	660	660	660	3766.39	3430
192.168.2.157	Running	23m 41s	11852.87	84.00	6210	6180	636	636	636	3949.70	3900
192.168.2.179	Running	4m 49s	2057.36	89.50	5790	5760	484	486	480	674.36	666

3. Miner Running Status

## 10.2. Sorting Miner Status

WhatsMiner Tool v1.5

IP: 192.168. From: 1.1 To: 1.255 Search IP Import IP Delete Export Restart CMiner Reboot Miner Interval(s) 30

Detect IP Upgrade Pools NTP Server Network Miner Status

Start Detecting

IP	Status	Elapsed	GHSav	Temp	FanSpdIn	FanSpdOut	Freq_avg	Freq_max	Freq_min	GHSav0	GHS
192.168.2.157	Running	40m 52s	11890.14	85.00	5790	5730	636	636	636	3960.81	3931
192.168.2.103	Running	21m 25s	10632.49	84.25	5760	5730	660	660	660	3873.16	3442
192.168.2.199	Running	1m 39s	8499.81	84.19	5220	5250	600	660	480	4135.48	4051

Click any column to sort the data