



# WhatsMinerTool Operation Guide V6.0.27



# Shenzhen MicroBT Electronics

Technology Co., Ltd



#### Content

1. Summary
2. Running environment2
3. Tool main interface2
4. Miner IP
4.1. Add the starting IP segment
4.2. Import IP
5. Scanning Miner
5.1.Filter lists by status5
5.2.Filter list by model5
6. Firmware upgrade
6.1. Select firmware files
6.2. Start to upgrade firmware
6.3.Firmware download link7
7. Collocate pool
7.1. Setting before collocating pool
7.2. Start to collocate mine pools
8. Modify passwords
9. Configuration of Permission
10. Remote Control
10. Remote Control.       10         10. 1. Restarting miner.       10         10. 2. Mining control.       10         10. 3. Switch hash rate mode.       11         10. 4. Restore DHCP/factory setting.       12         10. 5. Miner API.       12         10. 6. CGminer Fast Boot.       12         10. 7. Control the LED light.       13         10. 8. Permission of using SSH       13         10. 9. Export log.       13
10. Remote Control
10. Remote Control.       10         10. 1. Restarting miner.       10         10. 2. Mining control.       10         10. 3. Switch hash rate mode.       11         10. 4. Restore DHCP/factory setting.       12         10. 5. Miner API.       12         10. 6. CGminer Fast Boot.       12         10. 7. Control the LED light.       13         10. 8. Permission of using SSH       13         10. 9. Export log.       13         10. 10. Web page setting pools permission.       14
10. Remote Control.       10         10. 1. Restarting miner.       10         10. 2. Mining control.       10         10. 3. Switch hash rate mode.       11         10. 4. Restore DHCP/factory setting.       12         10. 5. Miner API.       12         10. 6. CGminer Fast Boot.       12         10. 7. Control the LED light.       13         10. 8. Permission of using SSH       13         10. 9. Export log.       13         10. 10. Web page setting pools permission.       14         11. Export data.       15         12. Detect and set IP.       15
10. Remote Control.       10         10. 1. Restarting miner.       10         10. 2. Mining control.       10         10. 3. Switch hash rate mode.       11         10. 4. Restore DHCP/factory setting.       12         10. 5. Miner API.       12         10. 6. CGminer Fast Boot.       12         10. 7. Control the LED light.       13         10. 8. Permission of using SSH       13         10. 9. Export log.       13         10. 10. Web page setting pools permission.       14         11. Export data.       15         12. 1. Detect IP.       15
10. Remote Control.       10         10. 1. Restarting miner.       10         10. 2. Mining control.       10         10. 3. Switch hash rate mode.       11         10. 4. Restore DHCP/factory setting.       12         10. 5. Miner API.       12         10. 6. CGminer Fast Boot.       12         10. 7. Control the LED light.       13         10. 8. Permission of using SSH       13         10. 9. Export log.       13         10. 10. Web page setting pools permission.       14         11. Export data.       15         12. Detect and set IP.       15         12. 1. Detect IP.       15         12. 2. Set Static IP.       15
10. Remote Control
10. Remote Control       10         10. 1. Restarting miner       10         10. 2. Mining control       10         10. 3. Switch hash rate mode       11         10. 4. Restore DHCP/factory setting       12         10. 5. Miner API       12         10. 6. CGminer Fast Boot       12         10. 7. Control the LED light       13         10. 9. Export log       13         10. 10. Web page setting pools permission       14         11. Export data       15         12. 1. Detect IP       15         12. 2. Set Static IP       15         13. Setting windows       16         14. Contact Us       17



### 1. Summary

This article introduces the operating instructions of software WhatsMinerTool. The reader is expected to be the relevant personnel of mine operation and maintenance. Some functions only support firmware versions after 20200801.

# 2. Running environment

WhatsMinerTool can be run independently on a 64-bit system on PC Windows 7-8-10.

## 3. Tool main interface

After you run the WhatsMinerTool application, the main interface is displayed as follows:

Miner IP	Monitoring	Upg	rade F	Passi	vord Perm	issions	Remote Ctrl		Export	IP Moni	tor	Setting Contact Us	
IP	Status	Miner Type	Power Version	MAC Addr	Position	UnTime	Flansed	THS15m	THSAva	Efficiency(W/T)	Power(W)	Version Info	L ci
192.168.2.25	Running	M31 V20	P21D-20200	C4:10:25:00:5D:06		06:50	05:55	60.939	61.092	45.31	2768	H3-V10-20200805.10.1	V
192.168.2.120	Running	M31S_V21	P21D-20200	C6:06:04:00:19:67		00:06	00:04	5.881	20.976	94.06	1973	H60S-V6-20200628.20.REL	V
192.168.2.115 192.168.2.197 192.168.2.209	Running Running Running	M32_V10 M30K_V10 M30K_V10	P21E-20200 P30A-20200 P0V	C6:06:04:00:20:6B C6:06:12:00:22:7F C6:04:27:00:02:3D		00:06 07:01 00:57	00:05 06:41 00:04	8.770 177.780 3.139	26.816 177.014 11.014	100.39 39.75 0	2692 7037 0	H6OS-V6-20200628.20.REL H6OS-V10-20200812.1951.1 H6OS-V10-20200807.2127.1.LC	> > > >
2													
4		_											2
T All (3) Total:25	55 Scanned 25	5 Online:9 Ru	nning:5 Fault0 St	utdown:0 Total Hash R	ate:296.91 Averag	e:59.38 Max 17	7.01 Min:11.01	Checked:0 Ti	me of last sca	in:2020-08-14 16:4	3.25	Progress: 100%	

Of which:

Inside the red box is the function selection area.
 Inside the green box is the Whatsminer list box.
 Inside the blue box displays the status bar.

The configuration list display item right clicks in the space outside the Whatsminer list box and pops up the list options window from the data items displayed in the configuration list, as shown in the following figure:

Miner IP	Monitoring	Upg	rade F	ools Pa	sword Permiss	ions	Remote Ctri		Export	IP Moni	tor	Setting Con
IP	Status	Miner Type	Power Version	MAC Addr	Position	UnTime	Flansed	THS15m	THSAun	Efficiency(W/T)	Power(W)	Version Info
192 168 2 25	Running	M31 V20	P21D-20200	C4 10 25 00 5D 06	1	06:51	05:56	60.961	61.093	45.31	2768	H3-V10-20200805
192 168 2 120	Running	M315 V21	P21D-20200	C6 06 04 00 19 67		00.07	00:05	8 130	24 307	101 53	2468	H60S-V6-20200628
192 168 2 115	Running	M32 V10	P21E-20200	C6:06:04 Setting	Dialog			×	29.885	104.90	3135	H60S-V6-20200628
192 168 2 197	Running	M30K V10	P30A-20200	C6:06:121				22.0	177.014	39.76	7038	H60S-V10-2020081
192 168 2 209	Fault	M30K V10	P0V	C6:04:27:0					0.000	0	0	H60S-V10-20200807
192.168.2.122	Fault	Vunknown	P0V	C2:03:16.	CurrentAccount	super	-		0.000	0	0	H3-V4-20200805
192.168.2.232	Fault	M3_V12	P0V	C2:04:28		-			0.000	0	0	H3-V8-20200730.2
192.168.2.235	Fault	M3_V12	P0V	C2:04:28	irrent Account Password				0.000	0	0	H3-V4-20200809
192.168.2.236	Fault	_Vunknown	-V	92:4F:D9:6		1			0.000	0	0	H3-CB20-202003
					Monitor Intervals (s)	60						
					Scan Timeout (ms)	1000						
					Scan Threads	100						
						1						
					Upgrade Inreads	:  10	•					
				_	IP Suffix Count	3	•	_				
				Lis	t Column Display Mode	Custom I	lode 💌					
					语言版本/Language	Compact Complete	Mode Mode					
					最小 (使 Minimize Te	Custom N	lode					
					工具启动时/On Startup	Disable M	Ionitor •					

# 4. Miner IP

### 4.1.Add the starting IP segment

Click on the [Miner IP] button to pop up the Miner IP management window, as shown in the following figure:

IP         Silbes         Miner Type         Power/W1         M42 Addr         Position         UpTime         Elapsed         THS15m         THS4xg         Efficiency(W17)         Power(W)         Version Indo           192:182.25         Ruming         D5-1/20         P210-20200         CA1025 00.50.05         0.654         0.559         61.932         61.935         45.34         2770         H3-V10-2020085 10           192:182.216         Ruming         M32_V10         P210-20200         Marc         X113.44         308         H005+42200823 0R           192:182.216         Ruming         M32_V10         P210-20200         Marc         X113.44         308         H005+42200823 0R           192:182.225         Ruming         M30/V10         P30-20200         Leat IP         End IP         Add         Import         30.76         0         H405+422008023 0R           192:182.225         Fault         Vuninoon         P0-V         FAU         Comment         Edit         Delite         0         H403+422008072127           192:182.2236         Fault         Vuninoon         P0-V         FAU         Comment         Edit         0         H403+42208082124         0         H403+42208082124         0         H403+42208081242
192 1982 25     Running     105 120     P210-20200     C410250050.00     00.854     05.9     61.032     61.032     45.34     2770     H>0-V10-20200850.10       192 1982 125     Running     M32, V10     P210-20200     Maragement     X     105.48     2300     H00.9V-2020082.00       192 1982 125     Running     M32, V10     P210-20200     Maragement     X     105.42     3577     H00.9V-2020082.00       192 1982 215     Running     M32, V10     P210-20200     Hart     End IP     Add     Import     105.82     3577     H00.9V-2020082.10       192 1982 220     Running     M30K, V10     P30-42020081.20     H00.9V-2020082.10     H00.9V-2020082.10     H00.9V-2020082.10       192 1982 2212     Fault     M3, V12     P0-V     If AII     Comment     Edit     Delete     0     0     H30-42000007102.22       192 1982 2236     Fault
ок

Enter the corresponding IP segment in the Start IP and End IP input fields, and then click Add.

After the IP segment is selected, there will be a blue background color. and you can perform [Update] or [Delete] operation:



tart IP:	192.168.2.1	End IP:	192.168.2.255	Add	Import
	I Comment	miner		Update	Delete
	IP	0		Comment	
₩ 192	168.2.1 ~ 192.168.	2.255		ărăș1 IP File	

Note: check the left check box to indicate that the address section is in scan rang.

#### 4.2. Import IP

Click on the Import button, select the ( txt format of the IP file you want to import in the popup box that appears), click Open:

Note: in the TXT text, IP must be 1 line and 1 sort.



### 5. Scanning Miner

After you enter the IP section in the miner IP management window to save, click on the [Monitor] button, and the list box will list the online miner running status in the current scan address section, as shown in the following figure

minerie	Monitor	Upg	rade F	Pools Pass	sword Perm	issions	Remote Ctrl		Export	IP Moni	tor	Setting Conta
IP	Status	Miner Type	Power Version	MAC Addr	Position	UpTime	Elapsed	THS15m	THSAvg	Efficiency(W/T)	Power(W)	Version Info
192.168.2.25	Running	M31_V20	P21D-20200	C4:10:25:00:5D:06		07:05	06:10	61.095	61.096	45.37	2772	H3-V10-20200805.1
192.168.2.115 192.168.2.197 192.168.2.209	Running Running Running	M32_V10 M30K_V10 M30K_V10	P21E-20200 P30A-20200 P0V	C6:06:04:00:20:6B C6:06:12:00:22:7F C6:04:27:00:02:3D		00:22 07:16 01:12	00:20 06:56 00:06	27.225 176.994 7.581	35.270 177.001 21.899	98.50 39.88 0	3474 7059 0	H6OS-V6-20200628.2 H6OS-V10-20200812 H6OS-V10-20200807.2
-												

Note: scan details can be referred to the bottom window status bar, scan can be stopped at any time.

#### 5.1. Filter lists by status

Right-click anywhere outside the "Miner Type" column in the miner status list box, and the tool will display the "Status Options" bullet box, as follows:

IP	Status	Miner Type	Power Version	MAC Addr		Position	UpTime	Elapsed	THS15m	THSAvg	Efficiency(W/T)	Power(W)	Vers	ion Info
192.168.2.25	Running	M31_V20	P21D-20200	C4:10:25:00:5D:06	5		07:05	06:10	61.095	61.096	45.37	2772	H3-V10-2	0200805.10.1
192.168.2.120	Running	M340_V21	P21D-20200	C6:06:04:00:19:67			00:21	00:06	25.520	76.943	45.33	3488	H6OS-V6-20	200628.20.REL
192.168.2.115	Running	M32 V10	P21E-20200	C6:06:04:00:20:6E	£		00:22	00:20	27.225	35.270	98.50	3474	H6OS-V6-20	200628.20.REL
192.168.2.197	Run Status	×	P30A-20200	C6:06:12:00:22:7F			07:16	06:56	176.994	177.001	39.88	7059	H60S-V10-2	0200812.1951.1
92.168.2.209	Run		P0V	C6:04:27:00:02:30	)		01:12	00:06	7.581	21.899	0	0	H6OS-V10-203	200807.2127.1.L
	<b>V</b>	A11												
		Running												
		Fault												
	<b>v</b>	Shutdown												
			-											
	14	Success												
	1	Failed												
		OK												
	_													

#### 5.2. Filter list by model

In the miner status list box, right-click on the "Miner Type" column, the tool will display the "Miner type" bullet box, as follows:

Miner IP	Monitor	Upgrade	Pools Pas	sword Perm	issions	Remote Ctrl		Export	IP Mon	itor	Setting Cor
IP	Status	Miner Type Power Version M31 V20 P21D-20200	MAC Addr C4:10:25:00:5D:06	Position	UpTime 07:05	Elapsed 06:10	THS15m 61.095	THSAvg 61.096	Efficiency(W/T) 45.37	Power(W) 2772	Version Info H3-V10-20200805
192.168.2.120 192.168.2.115 192.168.2.197	Running Running Running	M32_V10 P21E-20200 M32_V10 P21E-20200 M30K_ MinerType ×	C6:06:04:00:19:67 C6:06:04:00:20:6B C6:06:12:00:22:7F		00:21 00:22 07:16	00:06 00:20 06:56	25.520 27.225 176.994	76.943 35.270 177.001	45.33 98.50 39.88	3488 3474 7059	H6OS-V6-20200628. H6OS-V6-20200628. H6OS-V10-20200812
192.168.2.209	Running		C6:04:27:00:02:3D		01:12	00:06	7.581	21.899	0	0	H6OS-V10-20200807.2
		N3_V12 N30K_V10 N32_V10 N31S_V21									
		Vunknovn 1131_V20									

# 6. Firmware upgrade

### 6.1. Select firmware files

Click on the [Upgrade] button, click on the [Select Firmware] button and select the firmware file to upgrade in the bullet-box displayed, as follows:

Firmware File:	C:\Users\T	hink\Desktop\w	hatsminer-M3x-all-3	20201011.bin				Sel	ect File	St	tart Upgrade	Firmware Dov	vnload Lini	k
IP	Status	Miner Type	Power Version	MAC Addr	Error Code	UpTime	Elapsed	THS Avg	Efficier	ncy(W/T)	Power(W)	Version Info		ChipType0
27 192 194 2.20 192 194 2.81 192 1942 2.94 192 1942 2.43 192 1942 2.43 192 1942 2.451 192 1962 2.163 192 1962 2.163 192 1962 2.163	Fault Shutdown Running Running Running		P228-0200, P222C-2214, P222C-2214, P221C-2020, P221C-2020, P21E-20200, P21E-20200,	C6 07 20 00 20 DF C6 06 12 00 21 FD C6 06 12 00 21 FD C6 08 08 00 38 7C 中 打开 東北范国(): 国 名称 日 50 8月陽電: 日 40 Mine FCo D 14 De	902-301-300-201. 100002-10003-2 호텔 호텔 호	03:53 03:53 00:19	005 0050 0000 0000 0000 0000 0000 0000	0.000 0.000 46.658 16 17 17 17 17 17 17 17 17 17 17 17 17 17	n n77 × 42 22 24 24 24 24 24 24 24 24 24 24 24 2	0 an 00 0 0 3.31 8.64	0 3593 0 3349 1055	HeG8-1143.02010113 HeG3-110-20201113 HeG3-110-2020111 HeG3-110-20201120 He3-V8-20201120 He3-V8-20201120 He3-V2-20201120 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-20201125 He3-V2-2020125 He3-V2-2020125 He3-V2-2020125 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-2020 He3-V2-20	2 REL 1.16.1 I REL 1 REL 1 REL	1950-001-0 1950-001-0 K22A253-19 1922-V02-0 1923-V02-0

### 6.2. Start to upgrade firmware

Select the firmware file, check the IP of the miner to be upgraded, and click on the [Start Upgrade] button to upgrade, as follows:

		Upgr	ade P	Passv	vord Permissi	ons Re	mote Ctrl	_	Export	IP Monito	or Setting C	ontact Us
Firmware File:	C:\Users\7	Think\Desktop\w	hatsminer-M3x-all-	20201011.bin				Sele	ct File S	tart Upgrade	Firmware Download Lin	ik
IP	Status	Miner Type	Power Version	MAC Addr	Error Code	UpTime	Elapsed	THS Avg	Efficiency(W/T)	Power(W)	Version Info	ChipType
192.168.2.20	Fault	_Vunknown	P22B-20200	C6:07:20:00:20:DF	302-301-300-201	03:54	00s	0.000	0	0	H60S-V10-20201011.22.REL	
192.168.2.81	Shutdown	M50_VE30	P222C-2214	C6:06:12:00:21:FD	100002-100003-2	03:54	00:51	0.000	nan	0	H6OS-V10-20201111.16.1	1950-V01-0
192.168.2.143	Running	M30S+_VE40	P221C-2020	C6:08:08:00:38:7C		00:21	00:02	49.956	71.96	3595	H60S-V10-20201120.22.REL	1950-V01-0
192 168 2 163	Running	M30S+ V20	P21F-20200	C4:05:09:00:01:6B		00:03	00:03	45 028	39.62	1784	H6-V2-20201125 11 REL	1930-V02-0

When the dialog box pops up, click the OK button. The status shows "success" and the upgrade is successful; otherwise, it shows "failure".

### 6.3. Firmware download link

Click the firmware download link, and the browser will automatically jump to the firmware download site of the official website, as shown below:

Firmware File:								Selec	t File	Start Upgrade	Firmware	Download Link
IP	Status	Miner Type	Power Version	MAC Addr	Error Code	UpTime	Elapsed	THS RT	THS Avg	Efficiency(W/T)	Power(W)	Version Info

Home Product Supp	ort News Careers About Us	Sign in Registration
Support > 100is and firmware Downloads		Special notic
Tools and documentation	M2x, M3x series firmware	M2X, M3x SD-card flashing program
WhatsMinerTool-5.3.5-EN.zip "It is suitable for all WhatMiner. Only M30 se ries supports high performance mode and re quires power supply of about 233V. Some trans- imware WhatsMinerTool operating Guide_VS.pdf "WhatsMinerTool_VS operating Guide 4	whatsminer-all-20201202.bin *1.Improved the security of the upgrade pack age and burning firmware, the card swipe w ill limit the rollback to the firmware before 20 200801; 2.Provided the new WhatsMiner API interface -Abrogated the old cgminer API; 3. Whatsminer M30X series support low power consumption mode: Version History-20201202.bt	H3 SD card Program-20201202.zip "H3 control board card brush system file, ind uding instructions and burning software, afte 1 r that you will need to upgrade the latest fir mware H6 SD Card Program-20201202.zip "H6 control board card brush system file, incl uding instructions and burning software, afte 1 r that you will need to upgrade the latest fir mware H6os SD Card Program-20201202.zip "H6OS control board card brush system file, i ncluding instructions and burning software, a 1 firer that you will need to upgrade the latest f
	M2 M4 Firming	

## 7. Collocating pool

### 7.1. Setting before collocating pool

Click on the [Settings] button to pop up the settings window. The number of IP suffixes for miners can be selected from 1 to 4. Other options can be configured according to the needs. Configuration is completed by clicking the [Save] button to save. The following figure is as follows:

Miner IP	Monitor	Upg	rade F	lools	Password	Permiss	ions	Remote Ctrl		Export	IP Moni	lor	Setting Conta	ct Us
IP	Status	Miner Type	Power Version	MAC Addr	F	Position	UpTime	Elapsed	THS15m	THSAvg	Efficiency(W/T)	Power(W)	Version Info	
192.168.2.25	Running	M31_V20	P21D-20200	C4:10:25:00:5	D:06		07:05	06:10	61.095	61.096	45.37	2772	H3-V10-20200805.10	).1
192.168.2.120	Running	M31S_V21	P21D-20200	C6.06:04:00-1	0.67		00.21	00:06	25.520	76.943	45.33	3488	H6OS-V6-20200628.20	REL
192.168.2.115	Running	M32_V10	P21E-20200	C6:06:04:( Set	ting Dialog				×	35.270	98.50	3474	H60S-V6-20200628.20	REL
192.168.2.197	Running	M30K_V10	P30A-20200	C6:06:12:0						177.001	39.88	7059	H6OS-V10-20200812.19	951.1
192.168.2.209	Running	M30K_V10	P0V	C6:04:27:0	c	Current Account	super		7	21.899	0	0	H60S-V10-20200807.212	7.1.LC
							-	1						
					CurrentAcci	ount Password	1							
					Moni	tor Intervals (s)	60							
				-	Scar	n Timeout (ms)	1000		-					
						Scan Threads	100		-					
				_	Up	grade Threads	10		1					
									1					
						IF Sunk Cours	1		4					
				_	List Column	Display Mode	2							
					语言	飯本/Language	4							
					最小化	到Minimize To	Task Bar		]					
					工具启动	計目す/On Startup	Disable	Monitor -	1					
				_			1	_						
						Save		Cancel						

### 7.2. Start to collocate miner pools

Click on the [Pools] button, edit the miner address, worker, Choose miner suffix form, select the miner's currency, then select the miner's IP that needs to be configured, click on the [Start Upgrade] button, tick the [Fixed Pools] button to lock the Miner you have set up at present, as follows:



Pool 1:	stratum+tcp://btc	vip-3dcoa7jxu.s	s.poolin.com:443		Worker: micro	btinit		IP Suffix No Suffix	•		Coin Type	Start Update
Pool 3:	stratum+tcp://stra	itum.f2pool.com	1.3333		Worker: micro	btinit		Custom	Suffix with IP	-	Fixed Pools	s Input
IP	Status	Miner Type	Power Version	MAC Addr	Position	UpTime	Elapsed	THS15m	THSAvg	Efficiency(W/T)	Power(W)	Version Info
2 192 1982 2 120 2 192 1982 2 150 2 192 1982 2 157 2 192 1982 2 157 2 192 1982 2 157 2 192 1982 2 209	Ruming Ruming Ruming Ruming	M315_V21 M32_V10 M30K_V10 M30K_V10	P210-20200. P216-20200. P20-20200. P0-V	C5 65 24 00 718 97 C5 65 24 00 20 88 C5 64 12 00 22 7F C6 04 12 00 22 7F C6 04 27 00 02 3D		0021 0022 0716 0112	00:06 00:20 06:56 00:06	25 520 27 225 176 994 7.581	76.943 35.270 177.001 21.899	4533 9850 3888 0	3488 3474 7059 0	H405-W-4202062.20 REL H405-V-10202082.20 REL H405-V-10-20200812.1951.1 H405-V-10-20200812.1951.1
	_	_										

When the dialog box pops up, click OK.

## 8. Modify passwords

Check the miner IP, click on the [Password] button, select admin or super, user1, user2, user3, then enter the old password (the default password is the same as the account number), then enter the new password, and click on the [Start Upgrade] button, as follows:

IP 192.168.2.25 192.168.2.120 192.168.2.120 192.168.2.115 N 192.168.2.197 R 192.168.2.209 R	super user1 v uuser2 0 uuser3 2 unning M32_V10 unning M30K_V10	Power Version P21D-20200 P21D-20200 P21E-20200 P30A-20200 P0V	MAC Addr C4:10:25:00:5D:06 C6:06:04:00:19:67 C6:06:04:00:20:6B C6:06:12:00:22:7F C6:04:27:00:02:3D	Position	UpTime 07:05 00:21 00:22	Elapsed 06:10 00:06	THS15m 61.095 25.520	THSAvg 61.096	Efficiency(W/T) 45.37	Power(W) 2772	Version Info H3-V10-20200805.10.1
					07:16 01:12	00:20 06:56 00:06	27.225 176.994 7.581	70.943 35.270 177.001 21.899	45.33 98.50 39.88 0	3488 3474 7059 0	H60S-V6-20200528 20 REL H60S-V720200528 20 REL H60S-V10-20200812 1951 1 H60S-V10-20200807 2127 1 LC

# 9. Configuration Of Permission

Add a super administrator and a normal administrator account on WhatsminerTool. The super administrator can configure permissions for the general administrator.

Click on the [Permissions] button to configure different privileges for three



To do this, you need to log in to the super super administrator account. At present, the login account can be viewed in the upper left corner of the tool.

By default, the super super administrator account can be logged in to perform all operations on the miner. To login to other accounts, click Login at Setting.

IP	Status	Miner Type	Power Version	MAC Addr	Position	UpTime	Elapsed	THS15m	THSAvg	Efficiency(W/T)	Power(W)	Version Info	C
192.168.2.25	Running	M31_V20	P21D-20200	C4:10:25:00:5D:06		07:05	06:10	61.095	61.096	45.37	2772	H3-V10-20200805.10.1	1
192.168.2.120	Running	M31S_V21	P21D-20200	C6:06:04:00:19:67		00:21	00:06	25.520	76.943	45.33	3488	H60S-V6-20200628.20.REL	
192.168.2.115	Running	M32_V10	P21E-20200	C6:06:04:00:20:68		00.22	00.50	27.225	35.270	98.50	3474	H6OS-V6-20200628.20.REL	
192.168.2.197	Running	M30K_V10	P30A-20200	C6:06:12 Permissio	ns Configuration			×	177.001	39.88	7059	H6OS-V10-20200812.1951.1	
192.168.2.209	Running	M30K_V10	P0V	C6:04:27					21.899	0	0	H60S-V10-20200807.2127.1.LC	
					Account		Permissio						
							r ennaaro		-				
					aunar	L EVE	1 265	_					
					Suber	ILEVE	SL_200	<u> </u>					
				_		_							
					user1	LEVE	EL_0	-					
				_									
					user2	LEVE	EL_0	-					
				_									
					user3	LEVE	EL_0	-					
				Desc	intion								
				1.This	function is open for :	super only.							
				2.LEV	EL_0 supports monit	oring, updatin	g password an	nd upgrading					
				firmw	are.				-				
				3.LEV	EL_1 supports opera	tions except p	ermission con	figuration,					
				41E)	FI 2 supports opera	tions excent n	ermission con	figuration and					
				restor	ing factory setting.								
				5.LEV	EL 255 supports all	operations an	d open for sup	er only.					
					Configure		Cancel						
					Soningure								

# 10. Remote Control

### 10.1. Restarting miner

Check the miner IP, click on the [Remote Ctrl] button, select "Reboot" in the pop-up dialog box, and then click on the [OK] button, as shown in the following figure:

initiat in	Monitor	Upg	rade F	Pools Passwo	ord Perm	issions	Remote Ctrl		Export	IP Mon	itor	Setting	Contact Us
IP	Status	Miner Type	Power Version	MAC Addr	Position	UpTime	Elapsed	THS15m	THSAvg	Efficiency(W/T)	Power(W)	Ve	rsion Info
192.168.2.25	Running	M31_V20	P21D-20200	C4:10:25:00:5D:06		07:05	06:10	61.095	61.096	45.37	2772	H3-V10	20200805.10.1
192.168.2.120	Running	M318_V21	P21D-20200	C6:06:04:00:19:67		00:21	00:06	25.520	76.943	45.33	3488	H6OS-V6-	20200628.20.REL
192.168.2.115	Running	M32_V10	P21E-20200	C6:06:04:00:20:68		00:22	00:20	27.225	35.270	98.50	3474	H60S-V6-	20200628.20.REL
192.108.2.197	Running	M30K_V10	P30A-20200	C6:04-27:00:02:20		01:12	00.06	7.591	21 900	39.88	7059	H005-V10	20200812.1951.1
	Remot	e Control Dial	og C Shutd	lown ⊂ Performa	nce Mode C R	estore DHCP	C Miner API	Switch C	CGMiner Fast	Boot C Resto	re Factory Se	X	
				(	ОК		Cancel						

When the dialog box pops up, click the OK button. **10. 2. Mining control** 

Click the "remote Control" button on the IP, of the sorting machine, select "Mining Control" in the pop-up dialog box, and then click the "OK" button. Note that M3 and other early machines are not supported when the mining machine is turned off, as shown



9	Status	Miner Type	Power Version	MAC Addr	Error Code	UpTime	Elapsed	THS RT	THS Avg	Efficiency(W/T)	Power(W)	Version Info
	Rem	ote Control Dial	og									×
		C Reboot	Mining 0	Control C Perform	ance Mode 🤇 Fast I	Boot Switch	C Miner API S	witch CR	estore DHCP	C Restore	Factory Settin	g
		C Leds Fla	sh C Leds N	ormal C Enable S	SH C Disat	ble SSH	C Export Log	CW	eb Pools Swi	tch C Adjust Fi	req	

Mining C	ontrol		×	
	C Resume Mining	Suspend Mining		
	OK	Cancel		

After the selection, a pop-up window will pop up to choose to resume mining and stop mining. Select one and press OK to switch the mining mode.

#### 10.3. Switch hash rate mode

Check the miner IP, click on the [Remote Ctrl] button, select the "Switch Power Mode" in the pop-up dialog box, and then click on the [OK] button.

Note: the switch hash rate mode only supports M10, D1 and other latest miners.

Remote Control Dialog						×
C Reboot	C Shutdown	• Performance Mo	de C Restore DHCP	C Miner API Switch	C CGMiner Fast Boot	C Restore Factory Setting
C Leds Flash	C Leds Normal	C Enable SSH	C Disable SSH	C Export Log	C Web Pools Switch	C Adjust Freq
			ж	Cancel		

After selection, a pop-up window will pop up. Select one and press Select to switch the force calculation mode. Note: at present, the high-performance mode only supports m30s series and the voltage requirement is more than 230V, as shown below:

Switch Power Mode		×
(• High	C Normal	C Low
	OK Cance	



### 10.4. Restore DHCP/factory setting

Check the miner IP, click on the [Remote Ctrl] button, select "Restore DHCP" or "Restore Factory Settings" in the pop-up dialog box, and then click on the [OK] button, as follows:

Remote Control Dialog					×
C Reboot	C Shutdown	C Switch Power Mode	Restore DHCP	C Adjust Freq	C Restore Factory Setting
C Leds Flash	C Leds Normal	C Enable SSH	C Disable SSH	C Export Log	C Web Pools Switch
		ОК	Cancel	]	

After choosing to complete the operation, the miner will restore the dynamic IP or the factory settings.

#### 10.5. Miner API

Check the miner IP, click on the [Remote Ctrl] button, select the "Miner API Switch" in the pop-up dialog box, and then click on the select button, as follows:

Remote Control Dialog						×
C Reboot	C Shutdown	C Performance Mode	C Restore DHCP	• Miner API Switch	○ CGMiner Fast Boot	C Restore Factory Setting
C Leds Flash	C Leds Normal	C Enable SSH	O Disable SSH	C Export Log	C Web Pools Switch	C Adjust Freq
		ОК		Cancel		

After opening the API switch, you can use the API interface to obtain various states of the miner and modify the parameters of the miner.

You need to upgrade to the official firmware version 20200801.

#### 10.6.CGminer Fast Boot

Check the miner IP, click on the [Remote Ctrl] button, select the "CGMiner Fast Boot" in the pop-up dialog box, and then click on the select button, as follows:

Remote Control Dialog						×
C Reboot	C Shutdown	C Performance Mode	C Restore DHCP	C Miner API Switch	CGMiner Fast Boot	C Restore Factory Setting
C Leds Flash	C Leds Normal	C Enable SSH	C Disable SSH	○ Export Log	C Web Pools Switch	C Adjust Freq
		ОК		Cancel		

After the selection operation is completed, the frequency up time is reduced to about 10 minutes.

Need to upgrade to the official firmware version 20200801, and only support M30



### 10.7. Control the LED lights

IP, click the "remote Control" button, select "Traffic Light Flash" in the pop-up dialog box, and then click "OK" button, as shown below:

Remo	te Control Dialog						X
	C Reboot	C Mining Control	C Performance Mode	C Fast Boot Switch	C Miner API Switch	C Restore DHCP	C Restore Factory Setting
	C Leds Flash	C Leds Normal	C Enable SSH	C Disable SSH	C Export Log	C Web Pools Switch	C Adjust Freq
			( <u> </u>		Cancel		

After the completion of the operation, the traffic light of the selected mining machine will flash quickly to facilitate the rapid and accurate positioning of the mining machine. After selecting [normal traffic light], the traffic light of the mining machine will return to the normal state before.

#### 10.8. Permission of using SSH

Check the miner IP, click on the [Remote Ctrl] button, select the "Enable SSH" in the pop-up dialog box, and then click on the [OK] button, as follows:

Remote Control Dialog						×
C Reboot	C Shutdown	C Performance Mode	C Restore DHCP	C Miner API Switch	C CGMiner Fast Boot	C Restore Factory Setting
C Leds Flash	C Leds Normal	• Enable SSH	C Disable SSH	C Export Log	C Web Pools Switch	C Adjust Freq
		ОК		Cancel		

After the operation is completed, the miner will be open to use SSH privileges, re-select [Disable SSH], and the miner will be prohibited to use SSH privileges. Miner default is to prohibit SSH, SSH can be viewed in the status bar with the web page to set the status of the mine.

Miner	IP Monitor	U	lpgrade	Pools	Password	Permis	sions	Remote	Ctrl	Export	IP Monitor	Setting	Contact Us
B SN3	Tagged Hash Rate	Coin Type	Performance	A	ccount Permissoin		SSH	API	WebPool	CGMinerFastBoot	Active	Pool	Reject Rate
	13231:13205:13231	BTC	Normal	super=25	5 user1=0 user2=0 u	ser3=0	ON	ON	OFF	ON	stratum+tcp://btc-vip-3dcoa	a7jxu.ss.poolin.com:443	0.122
	25641:26184:25568	BTC	Normal	super=25	5 user1=0 user2=0 u	ser3=0	OFF	OFF	ON	OFF	stratum+tcp://btc-vip-3dcoa	a7)xu.ss.poolin.com:443	0.000
	22950:22435:22872	BTC	Normal	super=25	5 user1=0 user2=0 u:	ser3=0	OFF	OFF	ON	OFF	stratum+tcp://btc-vip-3dcoa	a7pu.ss.poolin.com:443	0.000
010080	41529:43213:41819	BTC	Normal	super=255	5 user1=0 user2=0 u	ser3=0	OFF	OFF	ON	OFF	stratum+tcp://btc-vip-3dcoa	a7jxu.ss.poolin.com:443	0.000
	21545:	BTC	Normal	super=25	5 user1=0 user2=0 u	ser3=0	ON	OFF	ON	OFF	stratum+tcp://btc-vip-3dcoa	a7jxu.ss.poolin.com:443	0.000

#### 10.9.Export log

Check the miner IP, click on the [Remote Ctrl] button, select the "ExportLog" Switch in the pop-up dialog box, and then click OK, as shown below:

特微						×
C Reboot	C Shutdown	C Performance Mode	C Restore DHCP	C Miner API Switch	C CGMiner Fast Boot	C Restore Factory Setting
C Leds Flash	C Leds Normal	C Enable SSH	C Disable SSH	C Export Log	C Web Pools Switch	○ Adjust Freq

In the pop-up dialog box, choose to save the exported log as a file directory. As shown below:

刘览文件夹	×
选择目录	
此电脑	
> 🔝 控制面板	^
~ 🔜 此电脑	
> 🕹 下载	
> 🔜 桌面	
> 🧊 3D 对象	
> 🗎 文档	
> 👌 音乐	
> 📕 视频	
> 📰 图片	
> 🏪 系统 (C:)	
> 🔤 软件 (D:)	~
10.0	Britter
如用刀	

The log contains upfreq\_test.log, power.log, Miner.log, system.log, api.log

9.46 MB	995.11 KB
296.54 KB	30.48 KB
741.59 KB	76.16 KB
15.85 KB	1.64 KB
107.69 KB	11.08 KB
	9.46 MB 296.54 KB 741.59 KB 15.85 KB 107.69 KB

### 10.10. Web page setting pools permission

Check the miner IP, click on the [Remote Ctrl] button, select the "Web Pools Switch" in the pop-up dialog box, and then click the [OK] button, as follows:

Remote Control Dialog					×
C Reboot	C Shutdown	○ Performance Mode ○ Restore D	HCP C Miner API Switch	C CGMiner Fast Boot C Restore Facto	ry Setting
C Leds Flash	C Leds Normal	C Enable SSH C Disable S	SH C Export Log		
		ОК	Cancel		

In the pop-up window, you can display or hide the modified mine page in the background of the web page by selecting either Enabling Web Pool Function or Disabling Web Pool Function.

Web Pools Configuration Switch	×
Enable Web Pools Config	C Disable Web Pools Config
Select	Cancel

### 11. Export data

Click on the [Export] button to export the list information in the current status list box to an external file (.cvs format, which can be opened and edited with Excel).

File name of export data , the default is "current specific time (year, month, hour, minute, second).csv" For example: 20201211141322.csv

### 12. Detect and set IP

#### 12.1. Detect IP

Click on the [IP Monitor] button, and then click the [Start] button to start the IP function of the mine detector. At this time, Whats Miner Tool will automatically detect the IP address reported by the mine.

IP reporting method: After starting the miner, press the [IPFOUND] button on the miner for several seconds, and wait for the indicator to flicker, indicating the completion of IP address reporting.

The interface to receive the reported IP is as follows:

Miner IP	Mor	itor Upgrade	Pools	Password	rmissions Remote Ctrl	Export	IP Mor	setting	Contact Us
IP 192.168.2.2 192.168.2.1 192.168.2.1 192.168.2.1	Room 1	Shelf 1 Layer: 1	Place: 1 Ster	c 1 Etart	Stop Skip Ciesr	Defete Scan	Rebind	Save Export Close	× 10.1 20 REL 20 REL 1951.1
	ID	Source IP (SIP)	MAC Addr	Place	Time	Dest IP (DIP)	Status		
	1 2 3 4	192 168 2 25 192 168 2 115 192 168 2 120 192 168 2 120 192 168 2 197	C4 10 25:00 5D:06 C6:06:04:00:20:68 C6:06:04:00:19:67 C6:06:12:00:22:7F			192.168.2.25 192.168.2.115 192.168.2.120 192.168.2.197			
	5 6 7 8	192.168.2.122 192.168.2.232 192.168.2.235 192.168.2.235	C2:03:16:00:19:55 C2:04:28:01:7A:60 C2:04:28:01:78:74 92:4F:D9:5C:58:01			192 168.2 122 192 168.2 232 192 168.2 235 192 168.2 235			E
									E
				a se l			2 440 2 244	-	
_	Im	port SIP SIP:	Upd	ute SIP	Netmask: 255.255.255.0	Broadcast 19	2 168 2 255	Set Static IP	

After IP detection is completed, you can click on the [Save] button to save the current data, close the window and do not disappear, or the [Export] button to export the current mine IP list to the file.

#### 12.2. Set Static IP

Setting the source IP of static IP can be selected from the detected IP or imported. Target IP can be imported or manually updated at the target IP in the lower left corner.



After changing the target IP and the corresponding subnet mask, gateway, broadcast address, DNS, click on the [Set Static IP] button to configure. When the status shows "Success", the setup succeeds.

# Note 1: before setting a static IP, make sure that the mask address, broadcast address, gateway address and DNS address are set correctly.

Note2: after successful setup, the miner will automatically restart and enable the newly set IP address.

etect and Bi	nd IP						;
Room 1	Shelf. 1 Layer: 1	Place: 1 Step:	1 Start	Stop Skip Clear	Delete Scan	Rebind	Save Export Close
ID	Source IP (SIP)	MAC Addr	Place	Time	Dest IP (DIP)	Status	
1 2 3 4 5 6 7 8	192168.2.25 192168.2.15 192168.2.12 192168.2.12 192168.2.12 192168.2.12 192168.2.12 192168.2.23 192168.2.23 192168.2.23	C41025005D06 C5060400206B C5060400206B C50604001987 C5061200227F C20316001955 C20428017A60 C20428017A60 924FD96C6801			192,168,225 192,168,2,15 192,168,2,120 192,168,2,120 192,168,2,120 192,168,2,122 192,168,2,235 192,168,2,235		
1	import SIP SIP.	Update	9 SIP	Netmask: 255.255.255 Gateway: 192.168.2.1	0 Broadcast DNS:	192 168 2 255 223 5 5 5	Set Static IP Reboot Miners

### 13. Setting windows

Click the "Settings" button, the tool pop-up box to display "Settings window", and you can set it according to your needs:

You can choose to log in to a different administrator account, and you need to enter the account password correctly before you can operate as an administrator.

You can also set "automatic monitoring interval", "miner scan timeout", "miner scan concurrency", "firmware upgrade concurrency", "miner IP suffix digits", and "list data display options". You can choose three options: simplified data items, complete data items, and customization. "turn on or off tool automatic updates" supports Chinese version and English version, as shown below:

Miner IP	Start	Upg	rade Poo	ls Pas	sword Permiss	ions Ren	note Ctrl		Export	IP Monitor	Setting	
IP	Status	Miner Type	Power Version	MAC Addr	Error Code	UpTime	Elapsed	THS RT	THS Avg	Efficiency(W/T)	Power(W)	Versic
				Setting	Dialog			×				
					CurrentAccount	Tauras						
					urrant Account Password	super	-					
				C.	Manifes Isteerale (a)							
					Monitor Intervals (s)	20	_					
					Scan Timeout (ms)	1000						
					Scan Threads:	100	_					
					Upgrade Threads	10	•					
					IP Suffix Count	3	•					
				Lis	at Column Display Mode:	Complete Mod	le 💌					
					语言版本/Language	English	•					
					最小化到/Minimize To	Task Bar	•					
					工具启动时/On Startup	Disable Monit	• no					
					Tool Online Update	Enable	•					

## 14. Contact Us

You can go to Whatsminer machine official website to learn more about Whatsminer machine.

N	iczo3T	Home	Product	Support	News	Careers	About Us		Sign	in Regi	tration	⊕ en~
ctio	ns, etc all kind	ds of unstable	factors, the custo	omer who choose	express deliver	/ for shipment , t	he cargo will no	t be restricted t	to send DHL,	will consider a	vailable deli	very method at curren
MinerTool 6.0	.27 (20201127	Current Acco	ount: super]	secondl	y, Futures insure	l; thirdly, deferred	d compensation;	fourth, one-year	warranty serv	rice; fifth,		- 0
Ainer IP	Start	Upgr	ade Po	Pa	ssword	ermissions	Remote Ctrl		Export	IP Monitor	s	etting Contact L
IP	Status	Miner Type	Power Version	MAC Addr	Error Co	de UpTim	e Elapsed	THS RT	THS Avg	Efficiency(W/T)	Power(W)	Version Info

# 15. Others

If you encounter any problems in the use of the tool, please timely give feedback to us, your opinion is the driving motivation for us to move forward, thank you for using WhatsMiner mining machine.

Contact information.

Company website: www.microbt.com or www.whatsminer.com.

Official website email: Support@microbt.com.

Official account of Wechat: whatsminer.

After-sales customer service: whatsminer\_service.

Technical support: Microbt16

