

This tool is only applicable to AntMiners and does not support miners of other brand. Brief Introduction:

Batch monitoring status of miners; configuring static IP; upgrading firmware and restarting miners.

【Tips】

- 1. This tool requires Windows7 or above system. It cannot be used in XP and IOS system
- 2. The tool language is automatically adapted according to the system. It will display in Chinese when system language is Chinese and display in English when being used in non-Chinese system.
- 3. If warning of virus pops up by downloading, it is recommended to try another browser. The file is completely safe.
- 4. Extract the file before using it, otherwise there will be errors.
- 5. The computer running the tool should be in the same network with the miners.

• Batch Configuring Static IP

(If you have already configured miner IP, please skip this step) Computer and miners should be in the same IP range.

1. Double click to open the software.

	应用程序工具	APMinerTool		-	- 🗆)
共享 查看	管理				\sim
▶ 此电脑 > 软	r件 (D:) » Users	▶ 下载 ▶ APMir	nerTool_V1.0.7 > APMinerTo	ol 🗸 🖸	搜索"APM
★ ^ 名称		^	修改日期	类型	大/
📜 la	ng		2018/9/13 16:3	5 文件夹	
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R	esources		2018/9/13 16:3	5 文件夹	
A	PMinerTool.exe		2018/9/13 16:3	5 应用程序	
A	PMinerTool.exe.	config	2018/9/13 16:3	5 CONFIG文	作
	PMinerTool.pdb		2018/9/13 16:3	5 PDB文件	
	pp.config		2018/9/13 16:3	5 CONFIG文	(件
	pp.xaml.cs		2018/9/13 16:3	5 CS 文件	
🔮 Co	onfig.xml		2018/9/14 11:2	7 XML文档	

After miner is connected to network and powered on, the IP obtained during miner configuration is in DHCP mode, and the IP address is not fixed. If you own many miners, this tool can set static IP address in batches for you to better manage these miners. The IP Range of a normal router is 1-254. If you want to set miner static IP from 1, to avoid IP conflict, it is recommended to let the router assign IP in DHCP mode from 100. For example: Router assigns IP in DHCP mode: 101-254; Static IP for miners: 1-100



2. Fill the static IP you would like to set for miner into "next fill IP" and select coin type for miner. Configure stratum pool address, worker and password in batches under "Pool Configuration".

APMinerTool V1.0.7	iguration Upgrade Setting	gs					—	×
Network		Pool Configuration			Se	elect coin 🔫 🖪	TC/BCH ↓	
Next Fill IP	Netmask	Pool		Worker	Pwd	Suffix	BTC/BCH	
192.168.170.1	255.255.252.0	stratum.antpool.com:3333		antminer	123	🔿 Constan	LTC	
Gateway	DNS	stratum.antpool.com:443		antminer	123	🔿 Constan	DASH	
192.168.17 .254	114.114.114.114	stratum.antpool.com:25		antminer	123	🔿 Constan	SC	
All + Please cl	ick the miner [IP Report] to get mi	ner IP		🔲 IP Arto Config	Simultaneou	s IP And Pool Config	ХМС	nges
IP Aim IP IP Config F	Result Pool Config Result	Netmask Gateway DNS Serv	rer Pool1 Worker1	Pool2 Worker2 P	ool3 Worker3		BTM	
cot static IP							ETH	\sim
Set static II		configure pool address		configure worker			ETC	
							ZEC	

3. Check "Netmask", "Gateway", "DNS" in computer "Network and sharing Center", and fill in accordingly

📮 Network and Internet			View your basic network information and set up
← → × ↑ 撞 > Control P	anel > Network and Internet >	Control Panel Home	connections
Control Panel Home System and Security • Network and Internet Hardware and Sound Programs User Accounts Appearance and	Network and Sharing Center View network status and tasks Connect to a network HomeGroup Choose homegroup and sharing options Internet Options Change your homepage Manage browser add-ons	Change advanced sharing settings	View your active networks VFUM Access type: Internet Private network Connection:: Access type: Access type: Change your networking settings Connection:: WFI2 WFI2 Change your networking settings Set up a new connection or network Set up a broadband, dial-up, or VPN connection; or set up a router or access point. Image: Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.
طرال Wi-Fi 2 Status	×	Network Connection D	etails 🛛 📉
General		Network Connection De	etails:
Connection IPv4 Connectiv IPv6 Connectiv Media State: SSID: Duration: Speed: Signal Quality: Details Activity Bytes:	ity: Internet ity: No network access Enabled VFTJM 00:50:13 54.0 Mbps Wireless Properties Sent — Received 56,987,515 710,150,778	Property Connection-specific D Description Physical Address DHCP Enabled IPv4 IP Address IPv4 Subnet Mask Lease Obtained Lease Expires IPv4 Default Gateway IPv4 DHCP Server IPv4 DHS Server IPv4 UNS Server IPv4 WINS Server IPv4 DNS Server IPv6 Default Gateway IPv6 Default Gateway IPv6 DNS Server	Value N Reatek PCI GBE Family Controller 00-21-27-E0-0A-F3 Yee 132-168-1.64 255-255-0 255-255-255-0 Netmask Monday, February 12, 2018 1:21:27 PM 132-168.1.254 Gateway 132-168.1.254 Gateway 132-168.1.254 DNS in Yes fe80:e185:b053:bd8f:8667%:31
	Close		Close

4. It is recommended to check "√" the "IP Auto Config" option, static IP will then be automatically allocated to next miner in order. If not checked, you will need to manually enter the static IP one by one. After completing above configurations, press the "IP report" button on each miner for 3-5 seconds, static IP will then be allocated to



miner one by one. Option "Simultaneous IP And Pool Config" could be checked based on your own needs.

Vetwork		Pool Configuration			BTC/BCH-
Next Fill IP	Netmask	Pool	Worker	Pwd	Suffix
192.168.170.1	255.255.252.0	stratum.antpool.com:3333	antminer	123	\bigcirc Constant \bigcirc None \textcircled{o} IP
Gateway	DNS	stratum.antpool.com:443	antminer	123	○ Constant ○ None ● IP
192.168.171.254	114.114.114.114	stratum.antpool.com:25	antminer	123	○ Constant ○ None ● IP
All + - Please o	lick the miner [IP Report] to get m	iner IP	✓ IP Auto Config	✓ Simultaneous	IP And Pool Config Apply Cha
IP Aim IP IP Config	Result Pool Config Result	Netmask Gateway DNS Server Pool1	Worker1 Pool2 Worker2 Po	ol3 Worker3	1
			/	/	

- Batch Managing Miners
- 1. Detect miners in specific IP range
- A: click on "Miner Manager" to switch to miner management interface
- B: click to activate "IP Editor"
- C: click "+" to obtain IP range
- D, E, F: double click on each IP sector to modify

Click "Save".

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Miner Manager IP Configuration Upgrade	Settings				
IP Range(U) A B	ool Configuration			BTC/BCH -	
F	ool ∡ 1 stratum.antpool.com:3333	Worker antminer	Pwd 123	Suffix ○ Constant ○ None ● IP	
E	2 stratum.antpool.com:443	antminer	123	⊖ Constant ⊖ None ● IP	Auto Monitor
E	♂ 3 stratum.antpool.com:25	antminer	123	⊖ Constant ⊖ None ● IP	
	IP Editor			Change Pwd	Interval: 5 minutes
			C +		V
Miner IP Status Error Detail Type Hashr	IP Block	Start	End	Frequency Version Fa	n Num ASC
	192.168.1	1	25		^
	D	E	F		
			Save		

 Click "Start Scan", to scan miners that have been configured.
 After the selected IP Range is scanned, a window will pop up displaying the number of miners in each state. (normal, low, other exception, lost, fail)



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Miner Manage	r IP Co	onfiguration	Upgra	de Se	ettings					
IP Range(1)				Pool	Configuration					BTC/BCH -
✓ 10.30.55.30)~38			Pool ✓ 1	stratum.antpool.com:3333		Worker antminer	Pwd 123	Suffix Constant	○ None IP
				√ 2	stratum.antpool.com:443		antminer	123	 Constant 	○ None ● IP
				v 3	3 stratum.antpool.com:25		antminer	123	 Constant 	○ None ● IP
clic	:k to sta	art scanning i	miners	□ s	Start Scan	Config	Reboot	Reset	DHCP	Change Pwd
All Total 9				Finish	ıed				×	
Miner IP	Status	Error Detail	Туре							Vorker1 Pool2
10.30.55.301	None									
10.30.55.31	None									
10.30.55.321	None				Scan fin	hished, t	otal miner 9(1.22s)			
10.30.55.331	None					- O''	E C		11. 0	
10.30.55.341	None				Normal: 1 Low: 0	 Other 	r Exception: 0 🔴	Lost: U 🌒 Fa	aii: 8	
10.30.55.351	None									
10.30.55.36	Normal		Antm							stratum+
10.30.55.371	None								ОК	
10.30.55.381	None							_		

You can choose to only display miners which have been successfully scanned based on your own needs.

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Miner Manager	IP Con	figuration	Upgrade	Set	ttings									
IP Range(1)				Pool	Configuration							BTC,	BCH 👻	
✔ 10.30.55.30~	-38			Pool ✓ 1 ✓ 2 ✓ 3	stratum.antpool. stratum.antpool. stratum.antpool.	com:3333 com:443 com:25		Worker antmine antmine antmine	r r	Pwd 123 123 123 123	Suffix Constant Constant Constant Constant	t ○ None @ t ○ None @ t ○ None @) IP) IP) IP	Auto Monito
only disp	lay succ	essful mine	er →	🖌 Su	uccessful Miner	Start Scan	Config		Reboot	Reset	DHCP	Change	Pwd	Interval: 5 minu
All Total 1														7
Miner IP S	tatus E	rror Detail	Туре		Hashrate(5s)	Hashrate(avg)	Elapsed	Poo	1			Worker1	Pool2	
10.30.55.36 <mark>N</mark>	ormal		Antmine	r L3+	629.221MH/s	627.05MH/s	22h4m1	8sstrati	um+tcp://s	stratum-ltc.an	tpool.com:8888		stratum	tcp://stratum-lt

3. Configure Miners

- A: Switch coin type, corresponding stratum address of each pool will be filled in "Pool" automatically after switching. You can also modify it manually by yourself. (Coin switching could be operated only when monitoring is not turned on or monitoring is stopped)
- B: Select all miners or "Ctrl select" specific miners for corresponding coin mining, set worker name, password etc. for these miners in batches
- C: Click on "Config" to configure the selected miners. After configuration is done, a window will pop up displaying the number of miners in state "config success" or "config failed".



P Range(1)	er i r Cont	iguration Op	grade M	Pool	Configuration								A LTC	~	
▼ 10.30.55.3	30~38		В	Pool ✓ 1 ✓ 2 ✓ 3	stratum-ltc.antp stratum-ltc.antp stratum-ltc.antp	ool.com:8888 ool.com:443 ool.com:25		Worker antmi antmi antmi	ner ner ner	Pwd 123 123 123 123		ffix Constant () Constant () Constant ()	None IP None IP None IP		Auto Monitor
				🗆 S	uccessful Miner	Start Scan	Config	3	Reboot	Reset	ſ	OHCP	Change Pwd		Interval: 5 minute
All Total 9					Config Mi	ner					×]			V
Miner IP	Status	Error Detail	Туре	e	comgim								Worker1	Pool2	
10.30.55.30	None		21												
10.30.55.31	None				-										
10.30.55.32	None					C	onfig finish	ed, to	tal miner 3						
10.30.55.33	None						-								
10.30.55.34	None					C Config	g Success:	0	Config Failed	: 3					
10.30.55.35	None														
10.30.55.36	Normal		Antn	niner	1							l.com:8888		stratum	n+tcp://stratum
10.30.55.37	None									ОК					
10.30.55.38	None														

Suffix of worker name could be modified under "suffix". Default suffix is set to be the last 2 sectors of allocated IP. After modifying, click on "Config", miners will be automatically configured. Then click on "Auto Monitor" to start monitoring the miners.

4. Batch Rebooting miners

If miners need to be restarted, select the miners and click on "Reboot", then confirm the pop-up window to get miners restarted.

P Range(1)		Pool C Pool ♥ 1 ♥ 2 ♥ 3	onfiguration stratum-Itc.antp stratum-Itc.antp stratum-Itc.antp	oool.com:8888 oool.com:443 oool.com:25		Worker antminer antminer antminer	Pwd 123 123 123 123		Suffix Constant O Constant O Constant O	None IP None IP None IP	v	Auto Monitor
		🗌 Su	ccessful Miner	Start Scan	Config	Reboo	Reset		DHCP	Change Pwd		Interval: 5 minutes
All Total 9			Reheat N	linor				×				∇
Miner IP Status	Error Detail	Туре	Rebuut	linei						Worker1	Pool2	
10.30.55.30None		21										
10.30.55.31 None			-									
10.30.55.32None			-		Reboot 3	miner						
10.30.55.33 None												
10.30.55.34None				Are you s	sure reboot	selected min	er?					
10.30.55.35None												
10.30.55.36Normal		Antminer						in	tpool.com:8888	3	stratun	n+tcp://stratum-
10.30.55.37 None						Cancel	ОК					
10.30.55.38 None						Curreer						

5. Batch resetting miners

If miners need to be restored to the factory settings, select the miners and click on "Reset", then confirm the popup window to get miners restored to the factory settings.



Range(1)		7 Pool G	onfiguration				LTC -		
✓ 10.30.55.30~38		Pool ✓ 1 5 ✓ 2 5 ✓ 3 5	tratum-ltc.antpool.com:8888 stratum-ltc.antpool.com:443 stratum-ltc.antpool.com:25	Worker antminer antminer antminer	Pwd 123 123 123 123	Suffix Constant None (Constant None (Constant None () IP) IP) IP	Auto Monitor	
		Sue Sue	ccessful Miner Start Scan Co	nfig Reboot	Reset	DHCP Change	Pwd	Interval: 5 minute	
] All Total 9				/	×			V	
Miner IP Status	Error Detail	Туре	Reset Miner			Work	ker1 Pool	2	
0.30.55.30None		21							
0.30.55.31 None									
0.30.55.32None			Rese	t 4 Miner					
0.30.55.33 None									
0.30.55.34 <mark>None</mark>			Are you sure re	set selected miner?					
0.30.55.35 <mark>None</mark>									
0.30.55.36 <mark>Normal</mark>		Antminer L				intpool.com:8888	stratı	um+tcp://stratum	
0.30.55.37 None				Cancel	ОК				
0 30 55 38 None				Cancer					

6. Batch restoring DHCP mode

If miners with static IP need to be restored to DHCP mode, select the miners and click on "DHCP", then confirm the pop-up window to get miners restored to DHCP mode.

Range(1)			🛛 Pool	Configuration					LTC	-	
☑ 10.30.55.30~38 ☑ ☑ ☑		Pool 1 2 2 3	stratum-ltc.antpool.com:8888 stratum-ltc.antpool.com:443 stratum-ltc.antpool.com:25		Worker Pwd antminer 123 antminer 123 antminer 123		Suffix Constant Constant Cons	Suffix Constant None IP Constant None IP Constant None IP			
			□ S	Successful Miner Start Scan	Config	g Reboot	Reset	DHCP	Change Pwd		Interval: 5 minut
] All Total 9							~				V
Miner IP	Status	Error Detail	Туре	DHCP Miller					Worker1	Pool2	
0.30.55.30	None										
0.30.55.31	None										
0.30.55.32	None			•	DHCP 4	Miner					
0.30.55.33	None			A #0.1/01/1	مرم ماله مرم	colocito di unin ou?		-			
0.30.55.34	None			Are you s	sure ancp	selected miner?					
0.30.55.35	Normal		Antminer					introol com:8888		stratur	m+tcn://stratum
0.30.55.37	None		, arenniner				014			Struttur	ni tep.//statum
0 30 55 38	None					Cancel	OK				

7. Batch changing password

If you would like to set new password for miners, select the miners and click on "Change Pwd". After change is done, you also need to update the new password under "Settings-Basic Settings-Miner Pwd" to make it effective. For example: default password (root), new Pwd (123456), confirm Pwd (123456)

(Note: Please do not forget the password once changed. If you forgot the password, miners will need to be restored to factory settings before you can log into miner backstage again.)





Range(1)	🖂 Pool	Configuration				LTC -	
☑ 10.30.55.30~38	Pool ✓ 1 ✓ 2 ✓ 3	stratum-ltc.antpool.com stratum-ltc.antpool.com stratum-ltc.antpool.com	8888 443 25	Worker antminer antminer antminer antminer	Pwd 123 123 123 123	Suffix Oconstant None IP Oconstant None IP IP	Auto Monitor
All Total O	<u>s</u>	Change Passwoi	rd		D 1	HCP Change Pwd	Interval: 5 minutes
Miner IP Status Erro 0.30.55.30 None 0.30.55.31 None	or Detail Type	Password	root			Worker1 Poo	bl2
0.30.55.32 None 0.30.55.33 None 0.30.55.34 None		New Pwd	*****				
0.30.55.35 None 0.30.55.36 Normal 0.30.55.37 None 0.30.55.38 None	Antminer	Conform Pwd	*****			il.com:8888 stra	tum+tcp://stratum
				Cancel	OK		
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10 20 55 20 20	DI	Madea	P.u.l	c		
✓ 10.30.55.30~38	1 stratum-ltc antpool com:8888	antminer	123	Sumix	a in	
		untermiter	120		U IF	Auto Monitor
	✓ 2 stratum-ltc.antpool.com:443	antminer	123	○ Constant ○ None ○	• IP	Auto Wohitor
	✓ 3 stratum-ltc antpool com:25	antminer	123	○ Constant ○ None (• IP	
	Basics Setting		\times			
	Suc			DHCP Change	Pwd	Interval: 5 minutes
All Total 9						V
Miner IP Status Error Detail Type	e Inten/al 5	- Mi	nute	Wor	ker1 Pool	2
10.30.55.30None	Interval	IVII	nute			
10.30.55.31None						
10 30 55 32 None	Choose the last ² sector	of IP to config work	er's suffix			
10 30 55 33 None						
10 30 55 34 None						
10 30 55 35 None	Miner Pwd					
10.30.55.36Normal Antm	iper Li			ntpool com:8888	ctrati	m+tcp://stratum
10.30.55.37 None				110001.0011.0000	Stratt	interce.//stratturn
10.30.55.37 None			and a second of			
10.30.35.36 None	need to update the newly changed	a password nere to r	nake it valid			
		Cancel	ОК			

 After miner configuration is done, click on "Auto Monitor" to start monitoring the miners. Default frequency is to refresh status every 5 minutes. Status will be displayed in different colors: normal (green), low (orange), Other Exception (blue), lost (red)



P Range(1)		Γí.	Pool	Configuration						BTC/B	CH 👻 📕	
☑ 10.30.55.30~38			Pool Worker Pwd Suffix I stratum.antpool.com:3333 antminer 123 O Constar I 2 stratum.antpool.com:443 antminer 123 O Constar I 3 stratum.antpool.com:25 antminer 123 O Constar		Suffix Constant Constant Constant	Suffix Constant None IP Constant None IP Constant None IP						
			🗌 Si	uccessful Miner	Start Scan	Config	Reboot	Reset	DHCP	Change P	wd	Last time:14:36
All Total 9												V
Miner IP Statu	Error Detail	Туре		Hashrate(5s)	Hashrate(avg)	Elapse	d Pool1			Worker1	Pool2	
10.30.55.30 None												
10.30.55.31 None												
10.30.55.32 None												
10.30.55.33 None												
10.30.55.34 None												
10.30.55.34None 10.30.55.35None												

9. Click on miner IP, you will be directed to miner backstage page.

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liner Manager	r IP Co	onfiguration	Upgrad	e Setti	ings								
P Range(1)			Ľ	Pool Co	nfiguration						BTC/B	CH 👻	
✓ 10.30.55.30	~38			Pool	tratum antrool	com:3333	N I	/orker	Pwd 123	Suffix	0 N 0	ID	(
				✓ 1 30	tratum antpool	com:3355	C	Intminer	123			IP ID	Stop Monitor
				✓ 2 SU	tratum antro ol	com:25	C	entminer	123	O Constant	⊖ None ●	IP ID	
				✓ 3 st	ratum.antpool.	com:25	č	intminer	123	 Constant 	⊖ None ●	IP	
				Suc	cessful Miner	Start Scan	Config	Reboot	Reset	DHCP	Change P	wd	Last time:14:46
✔ All Total 9													V
Miner IP 3	Status	Error Detail	Туре	ŀ	Hashrate(5s)	Hashrate(avg)	Elapsed	Pool1			Worker1	Pool2	
10.30.55.30	lone												
10.30.55.31	lone												
10.30.55.32	lone												
10.30.55.33	lone												
10.30.55.34	lone												
10.30.55.36	lormal		Antmin	er L3+6	29.371MH/s	627.57MH/s	11h56m3	3sstratum+tcp:	://stratum-ltc.a	ntpool.com:8888	5	stratum-	+tcp://stratum-ltc
10.30.55.27	Jone		,	21 23 . 0.	20107 11111 (70	02/10/1111/0	111001110	bobtiatanni tepi				Strutturri	epi,//strataminite
10.30.55.38	lone												
NTMINER System	Miner Cor Admini	nfiguration N	1iner Statu hitor Kei	s Netw	ork Upgrade Ri	eboot	_	_	_	_	_		
NTMINER System Overview Overview	Miner Cor Admini	nfiguration Nor	Ainer Statu nitor Kei	s Netw	ork Upgrade Ri	eboot							
System Overview System	Miner Cor Admini	nfiguration N	1iner Statu hitor Kei	s Netw	ork Upgrade Ri	eboot							
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NTMINER System Overview Overview System Miner Typ Hostname	Miner Cor Admini e	nfiguration N istration Mor	Ainer Statu nitor Kei	s Netw	ork Upgrade R An an	eboot tminer L3+							
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NTMINER System Overview Overview System Miner Typ Hostname Model Hardware	Miner Cor Admini e Version	nfiguration N	4iner Statu hitor Ker	s Netw	ork Upgrade R An an GN	eboot htminer L3+ htMiner VU/Linux 0.1.3							
NTMINER System Overview Overview Miner Typ Hostname Model Hardware Kernel Ve	Miner Cor Admini e Version	nfiguration N	Alner Statu nitor Kei	s Netw	ork Upgrade R An an GP 1 Li	eboot itminer L3+ itMiner VU/Linux 0.1.3 1ux 3.8.13 #22 SM	IP Tue Dec 2	15:26:11 CST 201	4				
NTMINER System Overview Overview Miner Typ Hostname Model Hardware Kernel Vei	Miner Cor Admini e Version rsion m Version	nfiguration A Mor	Ainer Statu nitor Kei	s Netw	ork Upgrade R An an GP 1.1 Lir Fri	eboot itminer L3+ itMiner VU/Linux 0.1.3 iux 3.8.13 #22 SM Laug 25 17:28:57	IP Tue Dec 2	15:26:11 CST 201	4				
NTMINER System Overview Overview Miner Typ Hostname Model Hardware Kernel Vel File Syste	Miner Cor Admini e Version rsion m Version	nfiguration Mor istration Mor	Ainer Statu	s Netw	ork Upgrade R An an GN 1.1 Lir Fri	eboot itminer L3+ itMiner VU/Linux 0.1.3 iux 3.8.13 #22 SM i Aug 25 17:28:57 9.0	IP Tue Dec 2 CST 2017	15:26:11 CST 201	4				
System Overview Overview System Miner Typ Hostname Model Hardware Kernel Vei File System CGminer V	Miner Cor Admini e version rsion m Versio version	nfiguration Mor istration Mor	Ainer Statu	s Netw	ork Upgrade R An an Gr 1.1 Lir Fri 4.3	xeboot 1tminer L3+ 1tMiner VU/Linux 0.1.3 nux 3.8.13 #22 SM I Aug 25 17:28:57 9.0 i	IP Tue Dec 2 CST 2017	15:26:11 CST 201	4				
NTMINER System Overview Overview Miner Typ Hostname Model Hardware Kernel Vei File Systei CGminer V Uptime Load Aver	Miner Cor Admini e Version rsion m Version Version version	nfiguration Mor istration Mor	Alner Statu nitor Kei	s Netw	ork Upgrade R An an GN 1.1 Lir Fri 4.3 1.1	eboot itminer L3+ itMiner VU/Linux 0.1.3 nux 3.8.13 #22 SM i Aug 25 17:28:57 9.0 ; 20, 1.39, 1.29	IP Tue Dec 2 CST 2017	15:26:11 CST 201	4				
NTMINER System Overview Overview System Miner Typ Hostname Model Hardware Kernel Vei File Systei CGminer Uptime Load Aver	Miner Cor Admini e Version rsion m Versio Version version	nfiguration Mor istration Mor	Aliner Statu	s Netw	vork Upgrade R Ar an Gł 1.l Lir Fri 4.: 15 1.:	eboot tminer L3+ ttMiner VU/Linux 0.1.3 nux 3.8.13 #22 SM i Aug 25 17:28:57 9.0 ; 20, 1.39, 1.29	IP Tue Dec 2 CST 2017	15:26:11 CST 201	4				
NTMINER System Overview Overview System Miner Typ Hostname Model Hardware Kernel Vei File Systei CGminer Uptime Load Aver	Miner Cor Admini e e ; Version Wersion wersion age	nfiguration Arrow	Aliner Statu	s Netw	Vpgrade R Upgrade R Ar an GN 1.L Ir Frr 4 15 1	xeboot htminer L3+ itMiner VU/Linux 0.1.3 nux 3.8.13 #22 SM i Aug 25 17:28:57 9.0 ; 20, 1.39, 1.29 S8604 kB / 251180	IP Tue Dec 2 CST 2017	15:26:11 CST 201	4				
NTMINER System Overview Overview System Miner Typ Hostname Model Hardware Kernel Vei File Systel CGminer V Uptime Load Aver Total Avai	Miner Cor Admini e e y Version Wersion w Version age	nfiguration Arrow Mor	Alner Statu	s Netw	Upgrade R Upgrade R Ar an GN 1.1 Lir Frr 4.3 1.5 1.3	xeboot htminer L3+ htMiner VU/Linux 0.1.3 nux 3.8.13 #22 SM i Aug 25 17:28:57 9.0 ; 20, 1.39, 1.29 58604 kB / 251180 192576 kB / 251180	IP Tue Dec 2 CST 2017 kB (23%)	15:26:11 CST 201	4				
System Overview Overview System Miner Typ Hostname Model Hardware Kernel Vei File Systei CGminer V Uptime Load Aver Total Avai Free Cached	Miner Cor Admini e e , Version Wersion wersion age lable	nfiguration Arrow	Alner Statu nitor Ker	s Netw	Vpgrade R Upgrade R Ar an GM 1. Lir Frr 4. 15 1.	xeboot htminer L3+ htMiner NU/Linux 0.1.3 nux 3.8.13 #22 SM i Aug 25 17:28:57 9.0 ; 20, 1.39, 1.29 58604 kB / 251180 192576 kB / 251180	IP Tue Dec 2 CST 2017 kB (23%) kB (27%) kB (27%)	15:26:11 CST 201	4				
NTMINER System Overview Overview System Miner Typ Hostname Model Hardware Kernel Vei File Systei CGminer V Uptime Load Aver Total Avai Free Cached Bufford	Miner Corona Admini e e : : Version m Version m Version age lable	nfiguration Arr	Alner Statu nitor Ker	s Netw	Vpgrade R Upgrade R Ar ar Gf 1.1 Lir Frr 4.3 1.5 1.3	xeboot htminer L3+ htMiner NU/Linux 0.1.3 nux 3.8.13 #22 SM i Aug 25 17:28:57 9.0 ; 20, 1.39, 1.29 58604 kB / 251180 192576 kB / 251180 0 kB / 251180 kB 0 kB / 251180 kB	IP Tue Dec 2 CST 2017 kB (23%) b (b (27%) b (0%) b (0%)	15:26:11 CST 201	4				

• Batch upgrading firmware

If miners have issue and miner firmware needs to be upgraded, you can use the batch upgrading firmware function.

- 1. How to operate:
- A: Click on "Upgrade " to switch interface
- B: Select the corresponding IP range where the miners are located, check" V" the miners which need to be upgraded.
- C: Add firmware (if you have not downloaded the firmware, click on "Firmware Download Address -" to download first. After downloaded, click "Select Firmware" to upload.) Firmware file does not need to be extracted and can be uploaded directly.
- D: Click on "Add Firmware", window displaying "Upload Success" will pop up when upload is done.

APMinerTool V1.0.7	Upgrade Settings							- ×
IP Range(1) Mi 10.30.55.30~38 B v	iner Type A	Firmware Name	Ŧ	Save Setting		Upgrade	Add Firmware	Del all firmwares
All Miner IP(9)		Add Firmware		-		×	С	
IP	Status						Version	
10.30.55.30	None	Antminer S9			*			~
10.30.55.31	None							
10.30.55.32	None							
10.30.55.33	None		Select Firmwa	are				
10.30.55.34	None		Select					
10.30.55.35	None	Firmwa	re download add	ress: click bere				
10.30.55.36	Normal	1111100		CSS. CIICK HEIC			20170825	
10.30.55.37	None				_			
10.30.55.38	None		Cancel	Add Firmwa	re D			

P Range(1) 10.30.55.30~38 +	Miner Type	Firmware Name	▼ Save	Setting	Upgrade	Add Firmware	Del all firmwares
All Miner IP(9)		Add Firmware		- D	×		
IP	Status					Version	
0.30.55.30	None	Antminer S9		-			
0.30.55.31	None						
0.30.55.32	Non	nie welle s Times			×		
0.30.55.33	None	riendly Tips					
0.30.55.34	Non						
0.30.55.35	Non						
0.30.55.36	Norr					20170825	
0.30.55.37	Non						
0.30.55.38	Non		Upload Success				

 This tool will "Save Setting" by default when batch upgrading firmware. If you do not want to keep setting of miners, you could remove the "V" beside the "Save Setting" option before upgrade. (Generally, firmware upgrade does not keep miner settings.)

APMinerTool V1.0.7			— X
Miner Manager IP Configuration Upgrade	Settings		
IP Range(1) Miner Type 10.30.55.30~38 •	Firmware Name	Save Setting Upgrade	Add Firmware Del all firmwares
All Miner IP(9)	-	_	
IP	Status	Туре	Version
10.30.55.30	None		
10.30.55.31	None		
10.30.55.32	None		
10.30.55.33	None		
10.30.55.34	None		
10.30.55.35	None		
10.30.55.36	Normal	Antminer L3+	20170825
10.30.55.37	None		
10.30.55.38	None		

3. Select "Miner Type" and "Firmware Name", click on "Upgrade". Window will pop up displaying number of miners to be upgraded. Confirm and wait for about 2 minutes, upgrade result will be prompted whether successful or not.

ange(1)	Miner Type	Firmware Name				
80.55.30~38	 Antminer S9 	→ Antminer-S9-all-2017	1117175 👻 🗌 Save Setting	Upgrade	Add Firmware	<u>Del all firmv</u>
II Miner IP(9)						
	Stat	JS Upgrade Miner		×	Version	
30.55.30	None					
80.55.31	None	2				
0.55.32	None					
0.55.33		Up	grade 2 miner			
).55.34	None					
).55.35	None	Are you sure	upgrade selected miner?			
).55.36	Norn	าล			20170825	
).55.37	None	2				
).55.38	None	2	Cancel			
			Carreer			
MinerTool V1.0.7 r Manager IP Com ange(1)	figuration Upgrade Sε Miner Type	ttings Firmware Name		•		_
MinerTool V1.0.7 Ir Manager IP Com ange(1) 30.55.30-38	figuration Upgrade Se Miner Type - Antminer S9	ttings Firmware Name • Antminer-S9-all-2017	1117175 - 🗆 Save Setting	Upgrade	Add Firmware	— Del all firmwa
MinerTool V1.0.7 r Manager IP Com ange(1) 30.55.30~38 JI Miner IP(9)	figuration Upgrade Se Miner Type Antminer S9	ttings Firmware Name * Antminer-S9-all-2017	1117175 • Save Setting	Upgrade	Add Firmware	— Del all firmwa
MinerTool V1.0.7 r Manager IP Com ange(1) 10.55.30~38 Il Miner IP(9)	figuration Upgrade Se Miner Type Antminer S9 Sta	ttings Firmware Name • Antminer-S9-all-2017	1117175 • Save Setting	Upgrade	Add Firmware Version	— Del all firmwa
MinerTool V1.0.7 r Manager IP Con ange(1) 10.55.30~38 II Miner IP(9) 30.55.30	Figuration Upgrade Se Miner Type Antminer S9 Sta Nor	ttings Firmware Name Antminer-59-all-2017 rus	1117175 - Save Setting	Upgrade	Add Firmware Version	— Del all firmwa
MinerTool V1.0.7 r Manager IP Com ange(1) 0.55.30~38 II Miner IP(9) 30.55.30 30.55.31	figuration Upgrade Se Miner Type Antminer S9 Sta Nor	ttings Firmware Name Antminer-S9-all-2017 tus e	1117175 • Save Setting	Upgrade	Add Firmware	Del all firmwa
MinerTool V1.0.7 r Manager IP Com ange(1) 0.55.30~38 II Miner IP(9) 30.55.30 30.55.31 30.55.32	figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor	ttings Firmware Name Antminer-S9-all-2017 us e e Upgrade Miner	1117175 • Save Setting	Upgrade	Add Firmware	Del all firmwa
MinerTool V1.0.7 r Manager IP Con ange(1) 0.55.30~38 II Miner IP(9) 30.55.30 30.55.31 30.55.32 30.55.33	figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor Nor	ttings Firmware Name Antminer-S9-all-2017 cus e e Upgrade Miner	1117175 • Save Setting	Upgrade	Add Firmware	— Del all firmwa
MinerTool V1.0.7 r Manager IP Con ange(1) 0.55.30~38 II Miner IP(9) 30.55.30 30.55.31 30.55.33 30.55.34 30.55.34	figuration Upgrade Se Miner Type Antrminer S9 Sta Nor Nor Nor Nor Nor Nor Nor Nor	ttings Firmware Name Antminer-S9-all-2017 us e e Upgrade Miner	1117175 - Save Setting	Upgrade	Add Firmware	Del all firmwa
MinerTool V1.0.7 r Manager IP Con ange(1) 80.55.30~38 II Miner IP(9) 80.55.31 80.55.32 80.55.33 80.55.33 80.55.34 80.55.35 80.55.35 80.55.35	figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor Nor	ttings Firmware Name Antminer-59-all-2017 rus e e Upgrade Miner	1117175 Save Setting Type	Upgrade	Add Firmware	Del all firmwa
MinerTool V1.0.7 r Manager IP Con ange(1) 10.55.30-38 II Miner IP(9) 30.55.30 30.55.31 30.55.32 30.55.32 30.55.34 30.55.35 30.55.35 30.55.36 20.55.36 20.55.36	Figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor Nor Nor	ttings Firmware Name Antminer-S9-all-2017 tus e e Upgrade Miner Upgrade	1117175 • Save Setting Type	Upgrade	Add Firmware	Del all firmwa
MinerTool V1.0.7 r Manager IP Cont ange(1) 10.55.30~38 II Miner IP(9) 30.55.30 30.55.31 30.55.32 30.55.33 30.55.34 30.55.35 30.55.35 30.55.37 30.55.37 30.55.37	figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor Nor Nor Nor Nor Nor	ttinge Firmware Name Antminer-S9-all-2017 tus e e us us e Upgrade Miner Upgrade	1117175 • Save Setting Type	Upgrade	Add Firmware	Del all firmwa
MinerTool V1.0.7 ar Manager IP Con lange(1) 30.55.30-38 VII Miner IP(9) 30.55.31 30.55.32 30.55.32 30.55.33 30.55.34 30.55.36 30.55.36 30.55.37 30.55.38	figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor	ttings Firmware Name Antminer-S9-all-2017 us e Upgrade Miner Upgrade Succ	1117175 • Save Setting Type finished, total miner 2 ess: 0 Upgrade Failed: 2	Upgrade	Add Firmware	Del all firmwar
MinerTool V1.0.7 er Manager IP Con Range(1) 30.55.30-38 NII Miner IP(9) 30.55.31 30.55.32 30.55.33 30.55.35 30.55.35 30.55.35 30.55.37 30.55.38	Figuration Upgrade Se Miner Type Antrminer S9 Sta Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor	ttings Firmware Name Antminer-59-all-2017 us e e Upgrade Miner Upgrade Miner	Type	Upgrade	Add Firmware Version 20170825	Del all firmwar
MinerTool V1.0.7 r Manager IP Con Range(1) 30.55.30-38 NI Miner IP(9) 30.55.31 30.55.32 30.55.32 30.55.33 30.55.35 30.55.36 30.55.38	figuration Upgrade Se Miner Type Antminer S9 Sta Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor	ttings Firmware Name Antminer-59-all-2017 rus e e Upgrade Miner Upgrade Succ	Type finished, total miner 2 ress: 0 • Upgrade Failed: 2	Upgrade	Add Firmware	Del all firmwa

• Settings

There are three options under "Settings", namely: "Basics Setting", "Miner Alert", "IP Editor"

🖌 APMinerTool V1.0.7			— ×
Miner Manager IP Configuration Upgra	de Settings		
IP Range(1) Miner Typ 10.30.55.30~38 • All Miner IP(9) All Miner IP(9)	e Basics Setting Miner Alert IP Editor Firmware Name Antminer-L3+-201708251	737 ▼ □ Save Setting Upgrade	Add Firmware Del all firmwares
IP	Status	Туре	Version
10.30.55.30	None		^
10.30.55.31	None		
10.30.55.32	None		
10.30.55.33	None		
10.30.55.34	None		
10.30.55.35	None		
10.30.55.36	Normal	Antminer L3+	20170825
10.30.55.37	None		
10 20 55 20	N Levie e		

1. Basics setting

- A: edit the interval of status refreshing while monitoring miners
- B: choose specific sector of IP to configure worker's suffix
- C: Default password is "root". If you would like to set new password for miners, as mentioned in previous section, you need to not only change the password here but please also remember to change under "Miner Manager"-

"Change Pwd" at the same time to make the new password effective.

2	APMinerTool V1.0.7			$- \times$
N	Miner Manager IP Configuration Upgrade Settir	gs		
	IP Range(1) 🛛 Pool Con	figuration	BTC/BCH -	
	✓ 10.30.55.30~38 Pool ✓ 1 str	Basics Setting ×	Suffix Constant O None IP	
	✓ 2 str.		⊖ Constant ⊖ None ● IP	Auto Monitor
	✓ 3 str		○ Constant ○ None ● IP	
		Interval A 5 Minute	DHCP Change Pwd	Interval: 5 minutes
	☑ All Total 9	Choose the last $\frac{1}{2}$ sector of IP to config worker's suffix		\bigtriangledown
	Miner IP Status Error Detail Type H		Worker1 Pool2	
	10.30.55.30 None	Minor Bud C		~
	10.30.55.31 None		-	
	10.30.55.32 None			
	10.30.55.33None			
	10.30.55.34 None			
	10.30.55.36Normal Antminer I 3+62		ool.com:8888 stratum	-tcp://stratum-ltc
	10.30.55.37None	Cancel		
	10.30.55.38 None			
			1	

2. Miner Alert (If monitoring data reached the upper or lower limit of certain parameter, there will be a warning indicating miner abnormality.)

If hash rate is low, status will be displayed as "low". If there are abnormality in other parameters, this tool will prompt that there are other exceptions.

▲ APMinerTool Miner Manager	V1.0.7 IP Configuration U	pgrade Settings						- ×
IP Range(1) 10.30.55.30~38 All Miner IP(9)	Mine Miner Alert	r Type niner SQ	Firmware Name	1708251737	Uno	rodo Add	Circulato X	all firmwares
IP 10.30.55.30 10.30.55.31	Type Antminer S9	✓ Min Hashrate 12825GH	Min Fan	☑ Fan Speed(r/min) 300-7000	Temp Sensor 3	□ Temp 125	Temp 30	^^
10.30.55.32 10.30.55.33 10.30.55.34	Antminer S9iAntminer L3+	12825GH 478MH	2	300-7000 300-7000	3	85 85	30 30	
10.30.55.36 10.30.55.37 10.30.55.38	Antminer L3++	478MH	2	300-7000	4	85	30	
10.50.55.50	Antminer V2		2	200 7000	2	05	0C ~ ~	
					Cancel Sav	/e		

3. IP Editor

This setting has the same function as to click the edit button under "Miner Manager" interface.

🖌 APMinerTo	ol V1.0.7										— ×
Miner Manag	jer IP Co	onfiguration	Upgrade	Settings							
IP Range(T)			Z	Pool Configurat	ion				BTC/B	CH 👻	
✔ 10.30.55.	30~38			Pool		Worker	Pwd Suff	ïx	- - -		
				IP Editor			\times	nstant	🔾 None 🖲	IP	Auto Monitor
							+ -	nstant	⊖ None ●	IP	Adto Monitor
								nstant	🔿 None 🖲	IP	
			- I 1		IP Block	Start	End	D	Characa D		Interval: 5 minutes
				-	10.30.55	30	38	P	Change P	va	interval. 5 minutes
✔ All Total 9								-			\checkmark
Miner IP	Status	Error Detail	Туре						Worker1	Pool2	
10.30.55.30	None										
10.30.55.3	1 None										
10.30.55.32	None										
10.30.55.33	3None										
10.30.55.34	1None										
10.30.55.35	5None										
10.30.55.36	6Normal		Antminer					h:8888		stratum	+tcp://stratum-ltc
10.30.55.3	7None						Save				
10.30.55.38	8None										

Overclock function

- 1. Before overclocking your miners, you need to first upgrade the latest multi-option firmware on your miners. The firmware could be downloaded from this link: https://service.bitmain.com.cn/support/download
- 2. After firmware upgrade, check in APMinerTool if your miner could be overclocked

1) By miner scanning, check if there is data displayed in the "Mode" column. If there is data, you can overclock the miner.

N	liner Manager	IP Con	figuration	Upgrad	e Settings										
	P Range(1)				Pool Configur	ation						BTC/BCI			
	✔ 192.168.193.123~123				Pool v 1 stratum.antpool.com:3333			Worker antminer	Worker Pwd antminer 123		Suffix Constant	Suffix ○ Constant ○ None ● IP			
					✓ 2 stratum	antpool.com:443		antminer	1	23	O Constant	⊖ None ● IP		Aut	to Monitor
	☑ 3 stratum.antpoc				antpool.com:25		antminer	1	23	 Constant 	○ None ● IP				
					Successful	Miner Start	Scan Co	onfig Rel	poot	Reset	DHCP	Change Pwo	đ	Interv	al: 5 minutes
[All Total 1												Overclo	ock <u>Dis</u>	play <u>Export</u>
	Miner IP	Status	Error Detai	Mode	Туре	Hashrate(5s)	Hashrate(avg)	hashrate(theory) Elapsed	Pool1			Worke	r1	Pool2
	192.168.193.123	Normal		Normal	ntminer S9i	14484.63GH/s	14500.12GH/s	14525GH/s	2h37m11s	stratum+t	cp://				\sim
	192,100,195,125	Normai		Normal	ntminer 591	14404.03GH/S	14500.12GH/S	1452560/5	20570115	stratum+t	.cp://				^

2) Or you could login miner backstage, on the "Miner Configuration" page, you can see the "Working Mode" option and overclock your miner accordingly.

eral Settings	
r General Configuration	
-	
Pool 1	
URL	
Worker	
Password	
Pool 2	
JRL	
Worker	
Password	
Pool 3	
URL	stratum.antpool.com:3333
Worker	antpoolfw.ThisIsDefaultSettingPleaseR
Password	123
Setup	
Norking Mode	No. and a

3) If there is no data displayed in the "Mode" column in APMinerTool, it means that the latest multi-option firmware has not been upgraded on your miner. Click on the "Overclock" button, message will show up and inform you "The selected miner does not support the overclocking function"

AntMinerTool Manual

Miner Manager IP Configuration Upgra	de Settings								
IP Range(1)	Pool Configuration Pool I stratum.antpi 2 stratum.antpi 3 stratum.antpi Successful Mine	ool.com:3333 ool.com:443 ool.com:25 er Start Scan	Wer ant ant Config	rker miner miner miner Reboot	Pwd 123 123 123 123 Reset	Suffix Constant Constant Constant DHCP	BTC/BCH ~ None IP None IP None IP Change Pwd	Auto Monitor Interval: 5 minu	rtes
All Total 3 Miner IP Status Error Detail Mode 192.168.193.123 Normal Normal 192.168.193.124 Normal 192.168.193.125	Type IAntminer S9i Antminer T15 Ove wiri ada ove +2:	e concentrator does not erfrequency firmware firs erclocking is highly risky, the over spter and +1.0T/+1.5T/+ erclock grade can be set 0T with 1800W power ad	support overfreq t and then try th If-lere are some r lock grade can b 2.0T with 1600W at +0.5T/+1.0T/1 lapter;	uency function. Plea e overfrequency func ecommendations for se set at +0.5T with 1 power adapter,For m .5T with 1600W powe	× se brush the tion setting:For 100W power inters 19+, the r adapter and	p://10.30.8.10:3	24 3333	verclock Display Exp orker1 Pool2	

and if you check from miner backstage, there will be no "Working Mode" column on the "Miner Configuration" page in this case.

NTMINER	
System Miner Configuration Miner Status Network	
Miner General Configuration	
Pool 1	
URL	
Worker	
Password	123
Pool 2	
URL	
Worker	
Password	123
Pool 2	
URL	
Worker	
Password	123
Setup	
Low Power Mode	

3. Select the miners you want to overclock, click the "overclock" button in tool, select the corresponding mode and click to confirm

Miner Manager IP Configuration Upgrad	le Settings				
IP Range(1)	Pool Configuration			BTC/BCH -	
✓ 192.168.193.123~123	Pool	Worker	Pwd	Suffix	
	✓ 1 stratum.antpool.com:3333	antminer	123	○ Constant ○ None ● IP	
	✓ 2 stratum.antpool.com:443	antminer	123	○ Constant ○ None ④ IP	Auto Monitor
	☑ 3 stratu K OverclockSelect		– 🗆 🗙	◯ Constant ◯ None ◉ IP	
	□ Success → Normal □ HashRate+2.0TH/S		^	DHCP Change Pwd	Interval: 5 minutes
🗌 All Total 1	HashRate+1.5TH/S			Overclo	ock <u>Display</u> <u>Export</u>
Miner IP Status Error Detail Mode	Type			Workey	1 Pool2
102 169 102 122 Normal Normal	Aptroioge SQi			WORKER	11 10012
172.100.173.123 Norman Norman	HashRate Unchanged-Lower Von	tage			
	HashRate-1.0TH/S				
	HashRate-1 5TH/S				
	HashRate-2.0TH/S				
	HashRate-2.5TH/S				
	HashRate-3.0TH/S				
	Low Power Enhanced Mode				
			\sim		
			ОК		

4. Wait till the miner is restarted, the overclock mode configuration is completed.

Miner Manager IP Configuration Upgra	ade Settings				
IP Range(1)	Pool Configuration			BTC/BCH ~	
☑ 192.168.193.123~123	Poel I stratum.antpool.com:3333 I 2 stratum.antpool.com:443 I 3 stratum.antpool.com:25	antminer antminer antminer antminer	Pwd 123 123 123	Suffix Constant None IP Constant None IP Constant None IP	Auto Monitor
	Successful Miner Start Scan	Config Reboot	Reset	DHCP Change Pwd	Interval: 5 minutes
🗌 All Total 1	Config Miner		×	Overclo	ock <u>Display</u> Export
Miner IP Status Error Detail Mode 192.168.193.123 Normal Norma	> Type	Config 1 Miner onfiguration:HashRate+1.0TH/S Cancel	ОК	Worker	1 Pool2

Miner Manager IP Configuration Upgra	de Settings				
IP Range(1)	Pool Configuration			BTC/BCH ~	
✓ 192.168.193.123~123	Pool	Worker	Pwd 50		
		antminer	123	Constant () None () IP	Auto Monitor
	2 stratum.antpool.com:443	antminer	123) Constant () None () IP	
	✓ 3 stratum.antpool.com:25	antminer	123	🔾 Constant 🔿 None 🖲 IP	
	Successful Miner Start Scan Confi	g Reboot	Reset	DHCP Change Pwd	Interval: 5 minutes
All Total 1	Config Miner		\times	Overcloo	<u>ck Display Export</u>
Miner IP Status Error Detail	Mode			1	Worker1 Po
192.168.193.123 Config Success	4				▲ 1
	Config finis	ned, total miner 1			
	Config Success:	1 • Config Failed:	0		
			ок		

Note:

1.Please be cautious with the overclock operation. Currently only T9+ and the S9 series miners support overlock function.

Power Supply Requirement and Working Mode Adjustment Suggestions:

1) For S9/S9i/S9j miners:

+0.5T mode can be run by 1400W power supply,

+1.0T/+1.5T/+2.0T modes can be run by 1600W power supply.

2) For T9+ miner:

+0.5T/+1.0T/+1.5T modes can be run by 1600W power supply,

+2.0T mode can be run by 1800W power supply.

2. If message shows up saying "Password Error" after clicking the "overclock" button, you need to first change miners' password under "Settings-Basic Settings" in tool to the same password as from miner backstage.

Miner Manager IP Configuration Upgra	nde Settings				
IP Range(1)	Pool Configuration			BTC/BCH -	
✔ 192.168.193.123~123	Pool ✓ 1 stratum.antpool.com:3333	Worker antminer	Pwd 123	Suffix Constant O None IP	
	✓ 2 stratum.antpool.com:443	antminer	123	○ Constant ○ None ● IP	Auto Monitor
	✓ 3 stratum.antpool.com:25	antminer	123	○ Constant ○ None ④ IP	
	Successful Miner Start Scan Con	nfig Reboot	Reset	DHCP Change Pwd	Interval: 5 minutes
All Total 1				Over	clock <u>Display</u> <u>Export</u>
Miner IP Status Error Detail	Mode Type Hashrate(5	s) Hashrate(avg) hashra	ate(theory) Elapse	ed Pool1	Worker1
192.168.193.123Low	HashRate+1.0TH/SAntminer S9i 10189.86GH	1/s <mark>9895.60GH/s</mark> 155150	GH/s 26s	stratum+tcp://	· · · · · · · · · · · · · · · · · · ·
		×			
	Pass	word Error			
		确定			

AntMinerTool Manual

Mi	ner Manager	IP Configura	tion Upgrad	de Si	ettings										
IP	Range(1)			Po	Basics Setting							BTC/BCH -			
ŀ	✓ 192.168.193.	123~123		Po	Miner Alert		W	orker	Pwd		Suffix				
				✓	IP Editor ^{ol.}	.com:3333	ar	itminer	123		 Constant 	⊖ None ● IP			
				v	paratan angool	.com:443	ar	itminer	123		 Constant 	○ None IP	· · · · · · · · · · · · · · · · · · ·	Auto Mon	itor
				v 3	stratum.antpool	.com:25	ar	tminer	123		 Constant 	○ None ④ IP			
					Successful Miner	Start Scan	Config	Reboot	Reset		DHCP	Change Pwd	Inte	erval: 5 m	inutes
	All Total 1											Ove	erclock E	Display	Export
	Miner IP	Status	Error Detail	Mode	Туре	Hashrate(5s)	Hashrate(avg)	hashrate(theory)	Elapsed	Pool1			Worke	er1	Poi
1	92.168.193.123	3None			.)pe	1105111010(55)		indom die (in eer j)	richange						
B	asics Se	tting		_	_			×							
	Inter Choo	val ose the la	5 st 2 👻 s	secto	or of IP to	• config wo	Minute orker's su	ffix							
	Mine	er Pwd	****												
					Ca	incel	ОК	1							

• Anti-Virus function

1. Select the IP range, click "Start Scan" to scan the miners

Miner Manager	IP Co	nfiguration	Upgr	ade Se	ttings											
IP Range(5)				Z P	ool Configuration								BTC/BCH	~		
✔ 192.168.19	3.1~1			P	ool			Worker		Pwd	Suffix	۲. – ۲.				
✔ 192.168.19	3.2~10				1 stratum.antp	ool.com:3333		antminer		123	O C	onstant 🔿	None 🖲 IP			
192.168.19	3.123~13	0		6	2 stratum.antpool.com:443			antminer		123	00	onstant 🔿	None 🖲 IP		Auto M	onitor
10.77.22.11	7~119			G	3 stratum.antp	pol.com:25		antminer		123	0.0	onstant ()	None 🖲 IP			
✔ 10.30.4.1~1	1													_		
					Successful Mine	r Start Scan	Config	í	Reboot	Reset	DHC	рС	hange Pwd		Interval: 5	minutes
All Total 21												Virus-Scan	Virus-Kill	Overclo	<u>ck</u> <u>Display</u>	Export
Miner IP	Status	Error Detail	Mode	Туре	Hashrate(5s	Hashrate(avg)	hashrate(theory)) Elapsed	Pool1			Worker1	Pool2			Worke
192.168.193.1	None															
192.168.193.2	None															
192.168.193.3	None															
192.168.193.4	None															
192.168.193.5	None															
192.168.193.6	None															
192.168.193.7	None															
192.168.193.8	Normal			Antminer	S9116145.95GH/	s16009.01GH/s	16159.5GH/s	1d59m20	sstratum+	tcp://stratum.antpo	ool.com:333					
102.168.102.0	None												-			
192.168.193.10	None															
10 20 4 1	None															

2. Select the miners, which need to be checked, click "Virus-Scan". After the scanning process, you will see 4 kinds of results: "Normal", "Infected", "Secure Firmware", "Not Supported":

Function	Status	Error Detail	Description
Virus- Scan	Normal		No virus detected
	Poisoned	poisoned files	Virus detected and displaying infected files
	Secure Firmware		Secure Firmware installed on miner (port 22 closed) ,cannot be scanned for virus
	Not supported	SSH failed	SSH password changed or 22 port closed, recommended to use SD card to reset the miner
		{XXX minertype} Not supported	Miner type not supported, cannot be scanned for virus

2-1 Normal - No virus detected

 $\textbf{2-2} \ \text{Infected - Virus detected and infected files will be displayed under "Error Detail"}$

Miner Manager IP Configuration Upgrade	Settings			
IP Range(5)	Pool Configuration		BTC/BCH 👻	
192.168.193.1~1 192.168.193.2~10 192.168.193.2~10	Pool 1 stratum.antpool.com:3333	Worker Pwd antminer 123	Suffix Constant O None IP	Auto Monitor
192.108.193.123~130	3 stratum.antpool.com:25	antminer 123	Constant O None IP	
⊻ 10.30.4.11~11	Successful Miner Start Scan	Config Reboot Re	eset DHCP Change Pwd	Interval: 5 minutes
All Total 10			<u>Virus-Scan</u> <u>Virus-Kill</u> <u>Overcle</u>	<u>ock Display Export</u>
Miner IP Status Error Detail	Mode Type Hashrate(5s) Hash	nrate(avg) hashrate(theory) Elapsed	Pool1 Worker1	Pool2
10.30.4.11 Poisoned /usr/bin/antmine	rs in interview in the second s			<u>^</u>

 $\textbf{2-3. Secure firmware: Secure Firmware installed on miner, port 22 is closed/SSH function is disabled, miner cannot$

Miner Manager	IP Configurat	ion Upgrade	e Settings											
IP Range(5)		2	j Pool Con	figuration							BTC/BC	H ¥		
 □ 192.168.193.1~1 ✓ 192.168.193.2~10 □ 192.168.193.123~130 □ 10.77.22.117~119 □ 10.77.22.117~119 		Pool ✓ 1 str ✓ 2 str ✓ 3 str	Pool I stratum.antpool.com:3333 I 2 stratum.antpool.com:443 I 3 stratum.antpool.com:25				Worker Pwd antminer 123 antminer 123 antminer 123		Suffix Constant C Constant C Constant C) None () F) None () F) None () F		Auto Mo	onitor	
☑ 10.30.4.11~11			Succ	Successful Miner Start Scan		Config Reboot		Reset		DHCP Change Pv			Interval: 5 minutes	
All Total 10										Virus-Scar	<u>virus-Kill</u>	Overcl	ock <u>Display</u>	Expor
Miner IP	Status	Error Detail	Mod	е Туре	Hashrate(5s)	Hashrate(avg)	hashrate(theory)	Elapsed	Pool1			Worker1	Pool2	
192.168.193.2	None													
192.168.193.3	None													
192.168.193.4	None													
192.168.193.5	None													
192 168 193 6	None													
192.168.193.7	None													
192.168.193.8	Secure Firmware			Antminer S9										
102 169 102 0	None													
192.168.193.10	None													
10.30.4.11	None													

2-4.Not supported: there could be 3 kinds of errors

1) Password Wrong – The password of the miner is not the same as password in this tool. You need to change the password in "Settings" – "Basic Settings" to make the miner have same password in tool as from miner backstage. Then you could go on with the virus scanning operation.

Miner Manage	IP Config	guration Upgra	de S	Settings												
IP Range(5)				Pool Configura	tion								BTC/	BCH →		
 ✓ 192.168.19 ✓ 192.168.19 ✓ 192.168.19 ☐ 192.168.19 ☐ 10.77.22.11 	3.1~1 3.2~10 3.123~130 7~119			Pool ✓ 1 stratum. ✓ 2 stratum. ✓ 3 stratum.	antpool.com:33 antpool.com:44 antpool.com:25	333 43 5		Worker antminer antminer antminer	· · · · · · · · · · · · · · · · · · ·		Pwd 123 123 123	Suffix Constant Constant	○ None ● ○ None ● ○ None ●	IP IP		Auto Monitor
✔ 10.30.4.1~1	11			Successful	Miner Sta	rt Scan	Config		Reboot		Reset	DHCP	Change Pv	d		Interval: 5 minu
All Total 21												Virus-S	ican <u>Virus-</u>	<u>Gill</u> <u>Ove</u>	erclock	<u>Display</u> Ex
Miner IP	Status	Error Detail	Mode	е Туре	Hashrate(5s)	Hashrate(avg)	hashrate	e(theory)	Elapsed	Pool	1		Worker1	Pool2		
192.168.193.1	None															
192.168.193.2	None															
192.168.193.3	None															
192.168.193.4	None															
192.168.193.5	None															
192.168.19 <mark>2.6</mark>	None															
192.168.198.7	None															
192.168.193.8	Not suppor	Password Wrong		Antminer S9i												
192.168.19	None															
192.168.193.10	None															

🖌 APMinerTool V	/1.0.10											
Miner Manager	IP Config	uration	Upgrade	Settir	ngs							
IP Range(2)				Bas	ics Setting							
✓ 192.168.193.	1~10			м	iner Alert							
✔ 192.30.4.11~	✓ 192.30.4.11~11					oool.com:3333						
						oool.com:443						
						✓ 3 stratum.antpool.com:25						
					Successful Min	ier Start Sc	an Co	nfig				
All Total 11												
Miner IP	Status	Erro	r Detail	Mode	Туре	Hashrate(5s)	Hashrate(avg)	has				
192.168.193.1	Vone											
192.168.193.2	Vone											

2) SSH failed: SSH password changed or 22 port closed, cannot be scanned for virus, recommended to use SD card to reset the miner

Miner Manager IP Configuration Upgrade	Settings			
IP Range(5)	Pool Configuration		BTC/BCH ~	
192.168.193.1~1 192.168.193.2~10 192.168.193.123~130 10.77.22.117~119	Pool I stratum.antpool.com:3333 I 2 stratum.antpool.com:443 I 3 stratum.antpool.com:25	Worker Pv antminer 1. antminer 1. antminer 1. antminer 1.	wd Suffix 123 O Constant None @ IP 123 O Constant None @ IP 123 O Constant None @ IP	Auto Monitor
☑ 10.30.4.11~11	Successful Miner Start Scan Config	Reboot	Reset DHCP Change Pwd	Interval: 5 minutes
All Total 1			<u>Virus-Scan</u> <u>Virus-Kill</u> <u>C</u>	Verclock Display Export
Miner IP Status Error Detail	Mode Type Hashrate(5s) Hashrate(avg)	hashrate(theory) Elapsed	Pool1 Worker1	Pool2
10.30.4.11 Not support SSH fail				<u>^</u>

3) { XXX minertype} Not supported: Miner type not supported, cannot be scanned for virus

Miner Manage	r IP Configura	tion Upgrade	Settings Pool Cont	iguration								BTC/BCH	Ŧ		
☐ 192.168.193.1~1 ☐ 192.168.193.2~10 ☐ 192.168.193.22~130 ☐ 10.77.22.117~119 ☑ 19.304.11~11		Pool ✓ 1 str. ✓ 2 str. ✓ 3 str.	atum.antpool atum.antpool atum.antpool	l.com:33 l.com:44 l.com:25	33	2 2 2 2 2	Vorker antminer antminer antminer	Pwd 123 123 123		Suffix Constant Constant Constant	 None ● IP None ● IP None ● IP 		Auto Mo	onitor	
10.50.4.11	~11		Succe	ssful Miner	Star	rt Scan	Config	Reboot	Reset		DHCP	Change Pwd		Interval: 5 r	minutes
All Total 10											<u>Virus-S</u>	can <u>Virus-Kill</u>	Overclock	Display	Export
Miner IP	Status	Error Detail		Mode Type	2	Hashrate(5s)	Hashrate(a	avg) hashrate(theory)	Elapsed	Pool1			Worker	1 Pool2	
10.30.4.11	Not support	Antminer S16 no	ot support!												^

3. To remove virus from infected miners, select the miners and click "Virus kill" – "Download" to download the antivirus firmware for corresponding miners. If you have downloaded the anti-virus firmware once, you will not see the "download" button next time and you could click on "kill virus" button directly

APMinerTool liner Manager	V1.0.10 IP Confi	iguration Upgr	ade So	ettings										- ×
IP Range(5)			Pool Configuration Vol V 1 Stratum.antpool.com:3333 V 2 stratum.antpool.com:443 V 3 stratum.antpool.com:25		Worker Pwd antminer 123 antminer 123 antminer 123 antminer 123		Suffix Consta Consta Consta	Suffix Constant None IP Constant None IP Constant None IP		Auto Monitor				
_				Succe	essful Miner	Start Scan	Config	Re	boot	Reset	DHCP	Change Pwd	intervai: 5	minutes
All Total 21											Viru	-Scan <u>Virus-Kill</u>	Overclock Display	Export
Miner IP	Status	Error Detail	Mode	Туре	Hashra	ate(5s) Hashrate	(avo) hashrat	e(theon/) Fl	ansed Pr	nol1		Worker1 Poo	12	
192.168.193.1	None				×.						×			^
192.168.193.2	None													
192.168.193.3	None													
192.168.193.4	None				v	Vould you like	to download	I the requir	ed firmwa	are with one clic	<			
192.168.193.5	None													
192.168.193.6	None													
192.168.193.7	None													
192.168.193.8	Not suppo	ort Password Wron	g	Antmine										
192.168.193.9	None													
192.168.193.10	None							Consul		Kill since				
10.30.4.1	None							Cancel	Down	Kill virus				
10.30.4.2	None													
10.30.4.3	None													
10.30.4.4	None													
10.30.4.5	None													
10.30.4.6	None													
10.30.4.7	None													
10.30.4.8	None													
10.30.4.9	None													~

4. After the firmware is downloaded, click "Kill Virus" to continue

	V 5 Statemanipo	0.0011.20	ana	ninei	125				
	Successful Miner	Start Scan	Config	Reboot	Reset	DHCP	Change		
						Virus-S	Scan <u>Vir</u> u		
Mode	e Type Hash	rate(5s) Hashrate(a	va) hashrate(the	onvì Flansed	Pool1	×	Worker		
rong	Antmine	Downloading ar	ntminer-S9i.tar.	gz. Download	progress 100.009	6			
			(Cancel Do	wnload Kill viru	•			

5. After virus is removed, system will automatically prompt "Operation Finish" - "Kill Success"

Miner Manager IP Configuration Upgrade	Settings				
IP Range(5)	Pool Configuration			BTC/BCH -	
✓ 192.168.193.1~1 ✓ 192.168.193.2~10	Pool v 1 stratum.antpool.com:3333	Worker antminer	Pwd Suff 123 O	ix Constant ○ None ● IP	
192.168.193.123~130	2 stratum.antpool.com:443	antminer	123 O	Constant 🔾 None 🖲 IP	Auto Monitor
10.20.4.1.11	✓ 3 stratum.antpool.com:25	antminer	123	Constant 🔾 None 🖲 IP	
V 10.504.1~11	✓ Successful Miner Start Scan C	onfig Reboot	Reset DH	CP Change Pwd	Interval: 5 minutes
All Total 1				<u>Virus-Scan</u> <u>Kill-Stop</u> <u>Over</u>	<u>clock Display Export</u>
Miner IP Status Error Detail	Mode Type Hashrate(5s) Hashrate(av	g) hashrate(theory) Elapsed	Pool1	Worker1 Po	ol2
192.168.193.8 Killing	Antminer S9i				^ ·

Successful Miner	Start Scan	Conlig	Rebool	Keset	DHCP
Friendly Ti	ps				× <u>Virus</u>
		Operation	Finish		
-		Operation	FINISN		
				_	
				OK	

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Pool Configuration		BTC/BCH -		
Pool I stratum.antpool.com:3333 I 2 stratum.antpool.com:443 I 3 stratum.antpool.com:25	Worker Pwd antminer 123 antminer 123 antminer 123	Suffix Oconstant None IP Oconstant None IP IP	Auto Monitor	
Successful Miner Start Scan Config	Reboot Reset	DHCP Change Pwd	Interval: 5 minute	
		<u>Virus-Scan</u> <u>Virus-Kill</u> <u>O</u>	verclock <u>Display</u> Exp	
ype Hashrate(5s) Hashrate(avg) hashrate(theory) f	lapsed Pool1 Worker1 Pool2 Work	er2 Pool3 Worker3 Frequency Version	Fan Num Fan Speed(r,	
	Pool Configuration Pool I stratum.antpool.com:3333 I stratum.antpool.com:443 I stratum.antpool.com:25 Successful Miner Start Scan Config	Pool Configuration Worker Pwd Pool 1 1stratum.antpool.com:3333 antminer 123 I 2 1stratum.antpool.com:443 antminer 123 I 3 3 stratum.antpool.com:25 antminer 123 I 3 Successful Miner Start Scan Config Reboot Reset	Pool Configuration BTC/BCH ~ Pool Configuration Worker Pud Suffix I 1 stratum.antpool.com:333 antminer 123 Constant None © IP I 2 stratum.antpool.com:443 antminer 123 Constant None © IP I 3 stratum.antpool.com:25 antminer 123 Constant None © IP Successful Miner Start Scan Config Reboot Reset DHCP Change Pud Virus-Scan Virus-Kill Q ype Hashrate(5s) Hashrate(theory) Elapsed Pool1 Worker1 Pool2 Worker2 Pool3 Worker3 Frequency Version	

6. In addition to "Kill success", there also could be other results:

Function	Status	Error Detail	Description					
Virus- removal	Kill Success		Virus has been removed successfully					
	Kill Error	SSH failed	SSH password changed or 22 port closed, recommended to use SD card to reset the miner					
		Password wrong	You need to change the password to make the miner have same password in tool as from miner backstage					
	Not supported	SSH failed	SSH password changed or 22 port closed, recommended to use SD card to reset the miner					
		{XXX minertype} Not supported	Miner type not supported, cannot be scanned for virus					
	None		No miner could be found					

Note:

Currently supported AntMiners: S9,S9i, S9j, T9, T9+ ,L3, L3+, L3++, A3, D3, X3, E3, Z9, Z9mini, R4, DR3, V9, etc.
 If the firmware of the miner is old, the miner configuration might get lost after firmware upgrading. In this case you need to reconfigure the miner.