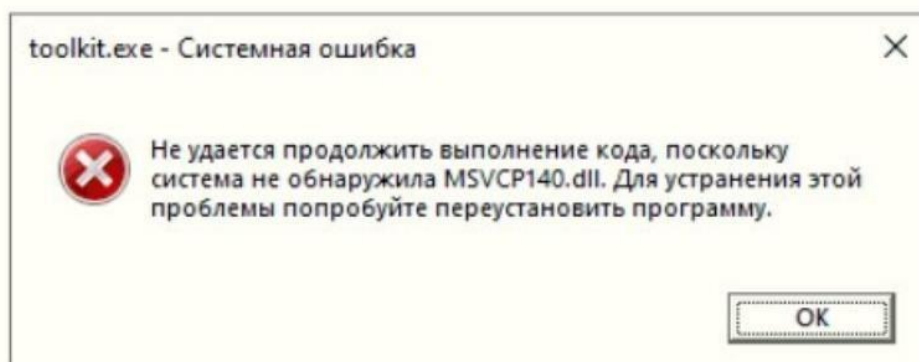


How to Install Firmware by Vnish Toolkit

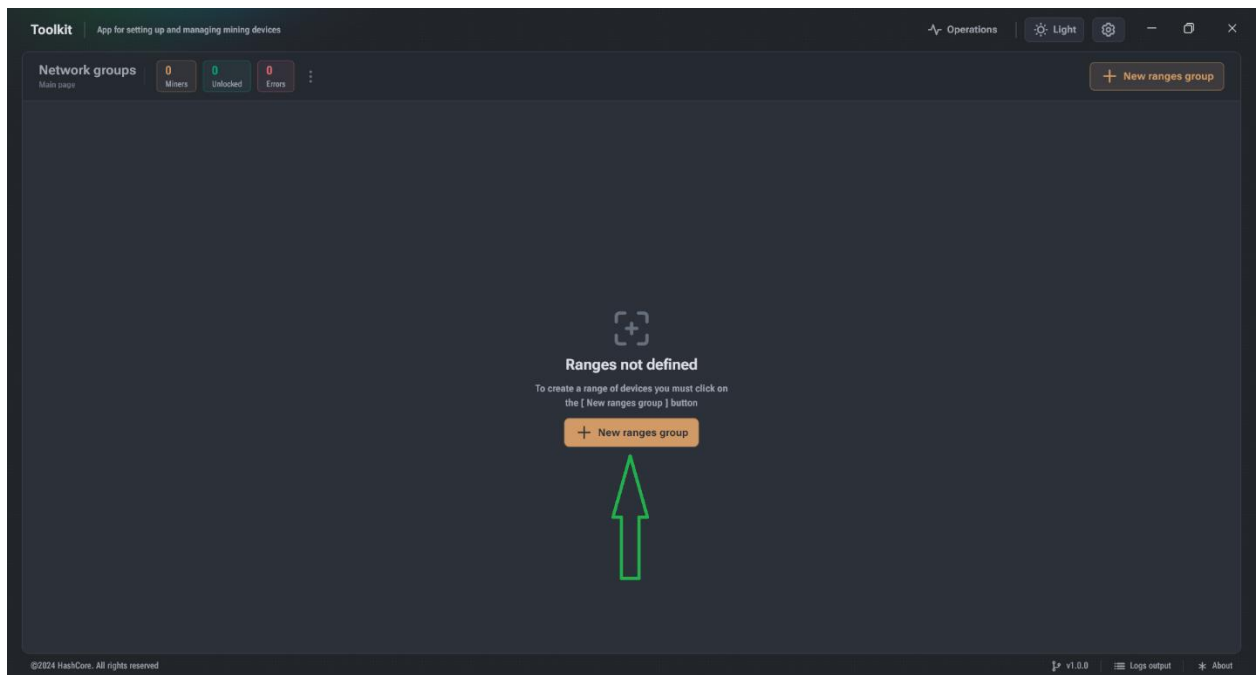
Note: if a library availability error occurs when opening the Toolkit:



You must install the latest supported versions of the Visual C++ Redistributable component

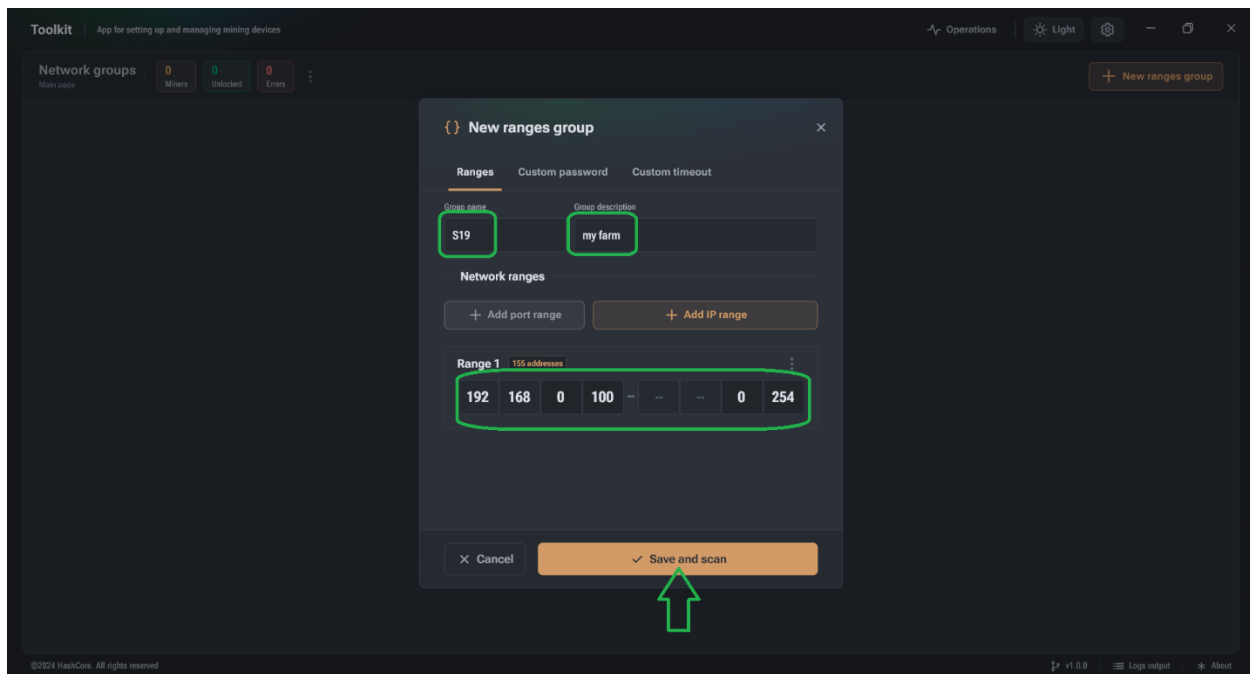
<https://www.techpowerup.com/download/visual-c-redistributable-runtime-package-all-in-one/>

1. Open the Toolkit software .
2. Click on “ New ranges group ” button :

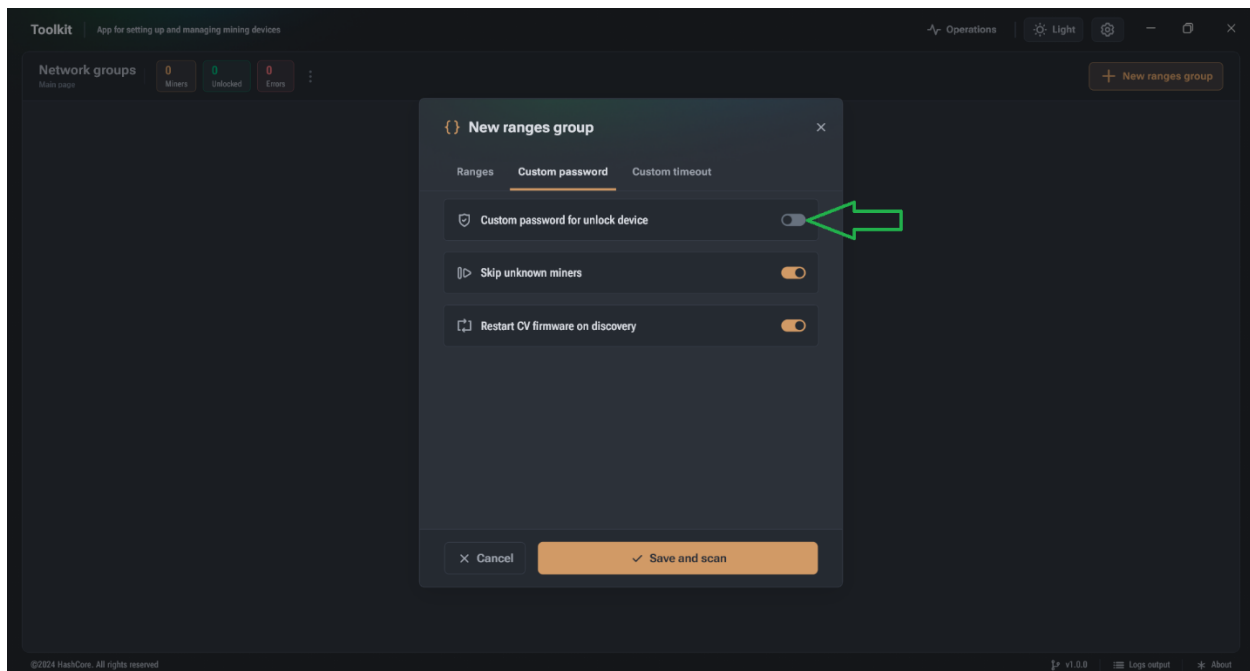


3. Now need to make a group for the IP range
 - Choose a name on “ Group Name ” box
 - Put your own description on “ Group description ” box
 - Choose your IP range on range box

Toolkit Tutorial – Install Vnish Firmware

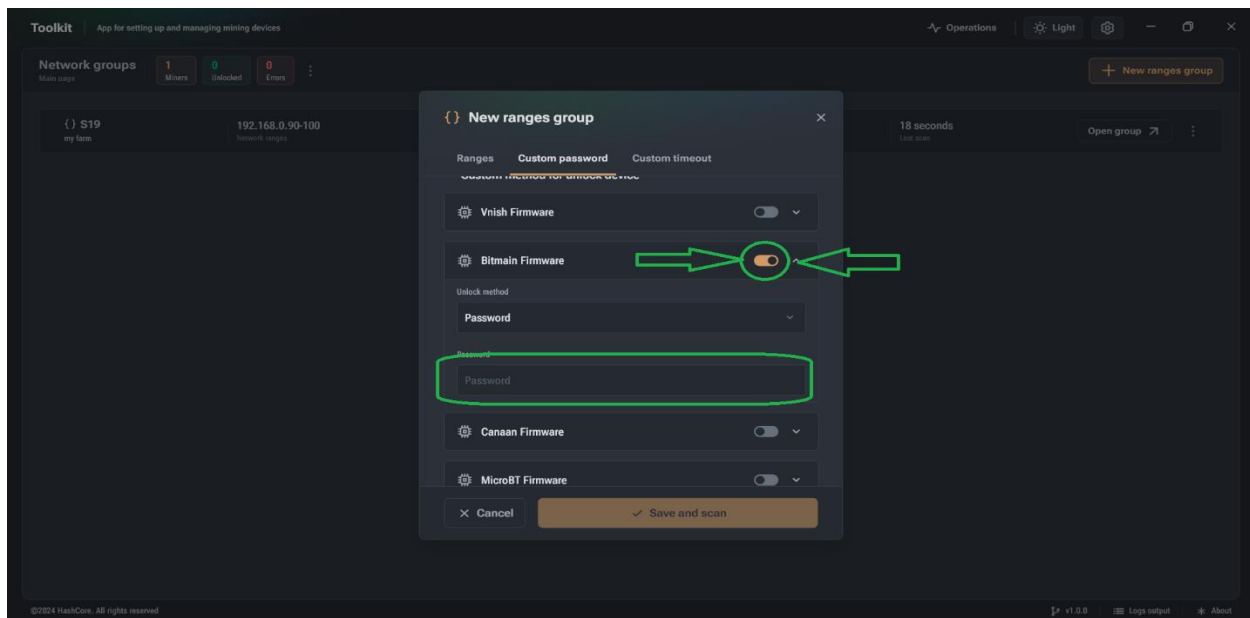


- Additional description :
 - If you changed the default password (root) , click on “ Custom password ” tab and then enable “ Custom password for unlock device ”



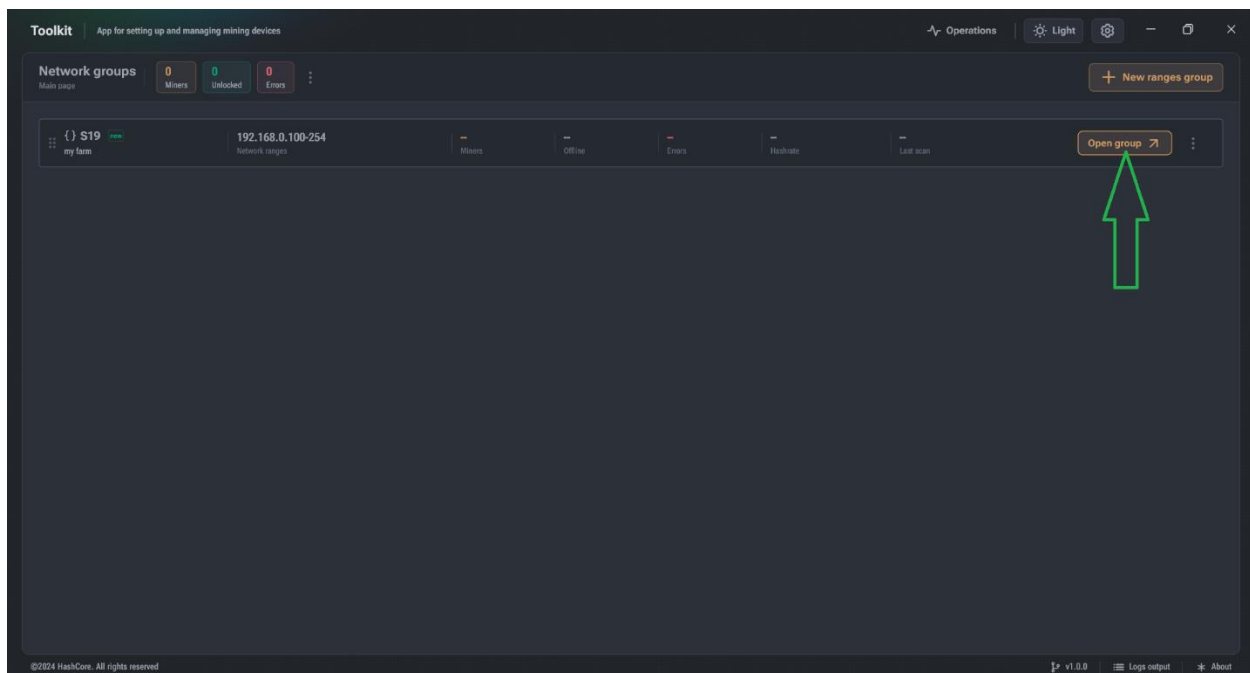
Toolkit Tutorial – Install Vnish Firmware

And then scroll down and enable “ Bitmain Firmware ” and click on drop down menu to see the Password . On Password box you can put your miner’s password



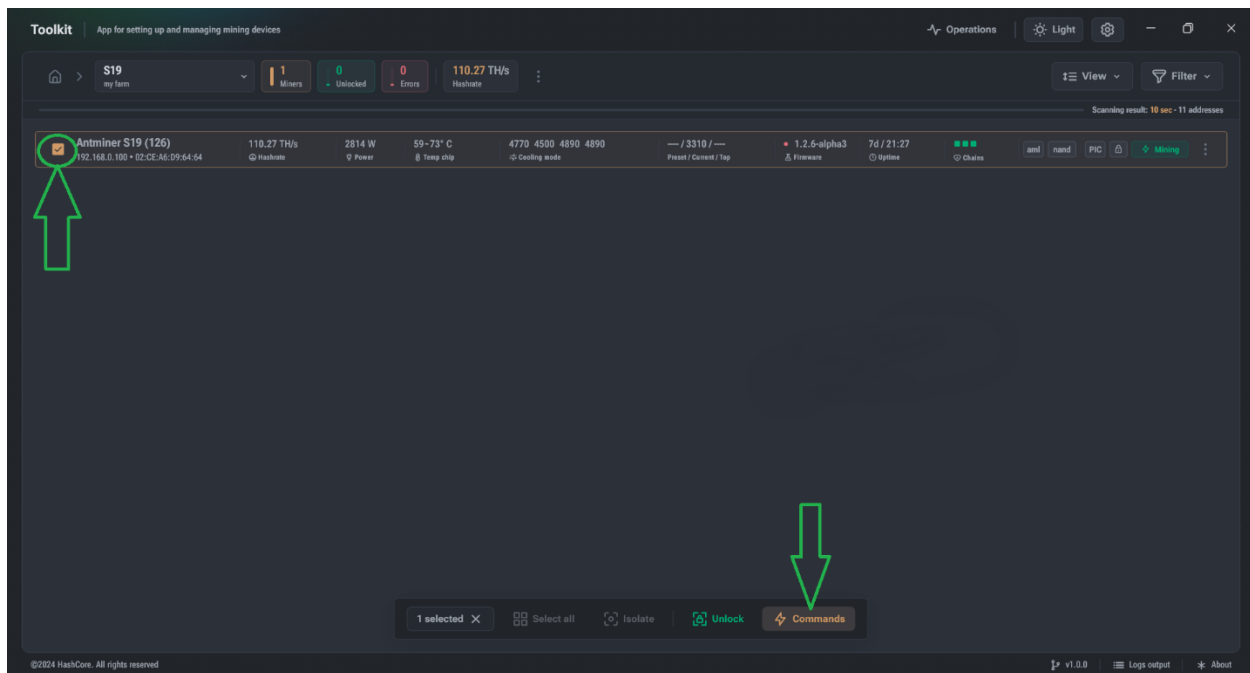
4. Now Click “ Save and Scan ”

5. Click on “ Open Group ”to see the miners on IP range .

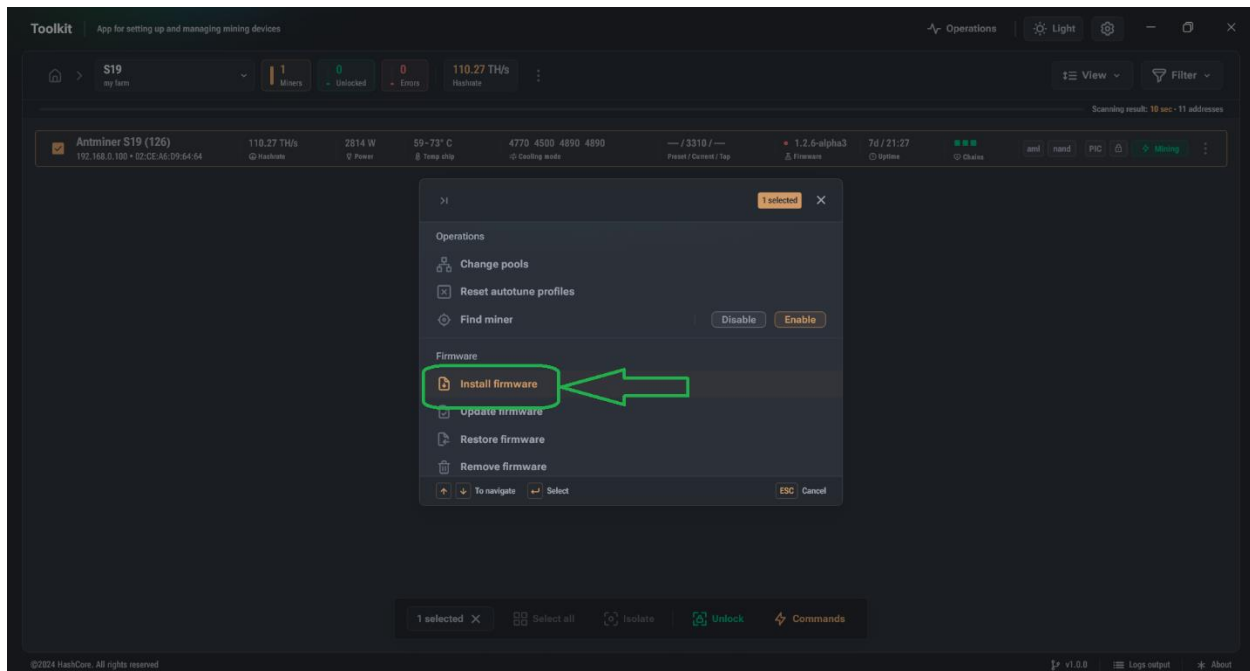


Toolkit Tutorial – Install Vnish Firmware

6. Now select the miner you want to install Vnish firmware on it and click on “Commands” button :



7. On Commands page click on “Install Firmware” button :




8. Then the Install page appears : Click on “ Select ” button to select the the folder where the firmware files will be located (It is necessary to download the nand install firmware files for your model in advance and place them in a folder, the firmware files will not be visible when selecting folders, this is normal) fill the boxes with information like picture below:

Firmware name : vnishio

Firmware Version : 1.2.6-rc5


Installing firmware 1 selected X


Firmware directory Not selected  Select

Firmware install options

Firmware name **vnishio**

Firmware version **1.2.6-rc5**

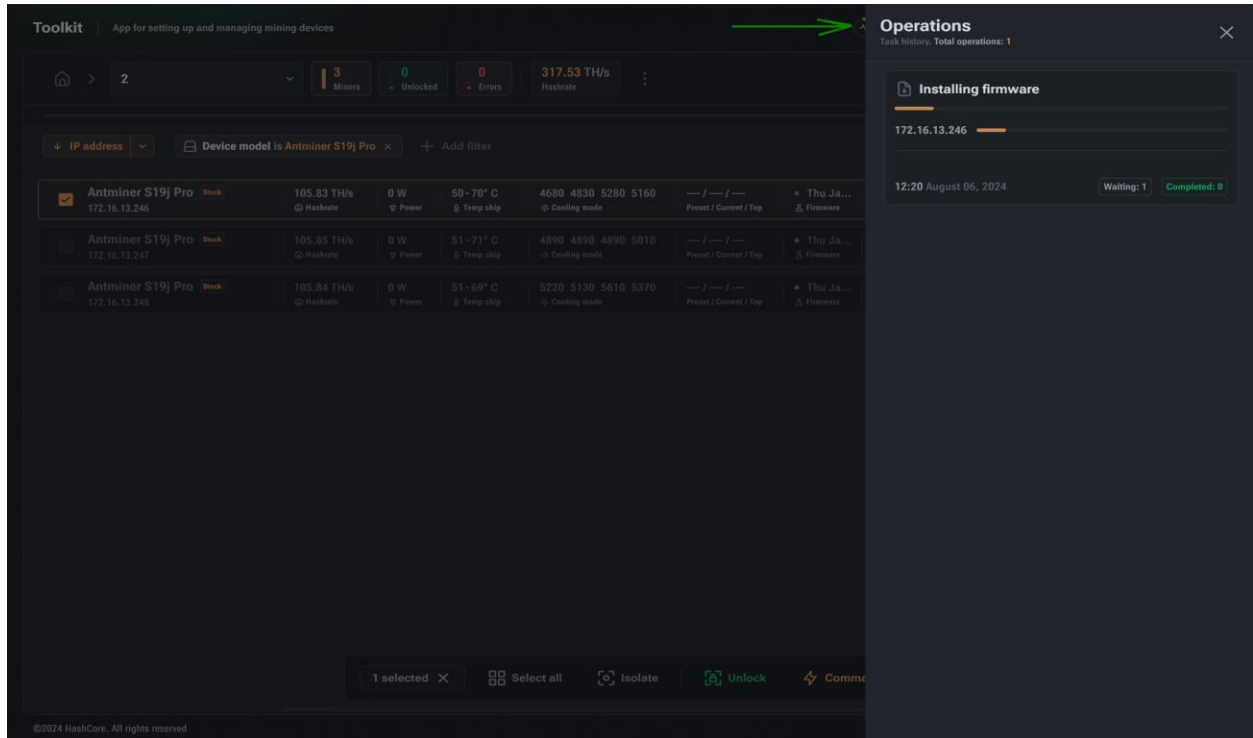
 **Number of threads** 3
Number of threads for install firmware

 **SSH port** 22
Number of threads for update firmware

Miner model
Detect automatically

X Cancel ✓ Install firmware

9. In the "operations" section, you can view the result of the installation process, if any error was made, then the error decryption will be indicated



The screenshot displays the HashCore Toolkit interface. The main panel shows a list of Antminer S19j Pro devices. The 'Operations' panel on the right shows a progress bar for 'Installing firmware' on device 172.16.13.246, with a status of 'Completed: 8'.

Device	Hashrate	Power	Temp	Cooling mode	Presets	Actions
Antminer S19j Pro 172.16.13.246	105.83 TH/s	0 W	50-70° C	4680 4830 5280 5160	Presets / Configs / Top	Throttle / Firmware
Antminer S19j Pro 172.16.13.247	105.85 TH/s	0 W	51-71° C	4890 4890 4890 5010	Presets / Configs / Top	Throttle / Firmware
Antminer S19j Pro 172.16.13.248	105.84 TH/s	0 W	51-69° C	5220 5130 5610 5370	Presets / Configs / Top	Throttle / Firmware

Operations panel details:

- Task history, Total operations: 1
- Installing firmware
- 172.16.13.246
- 12:20 August 06, 2024
- Waiting: 1
- Completed: 8