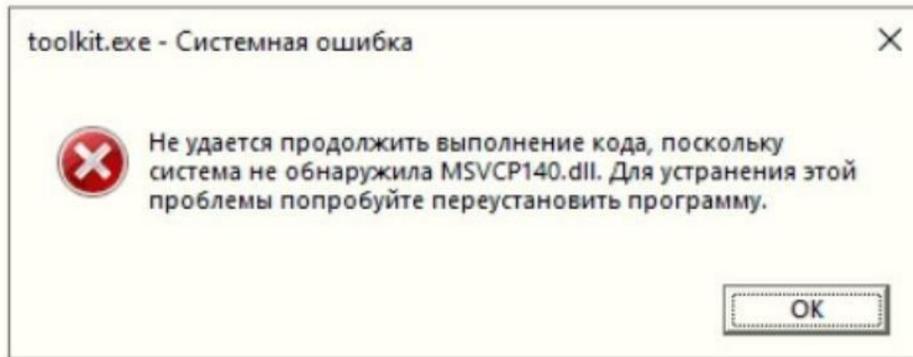


Note: if a library availability error occurs when opening the Toolkit:

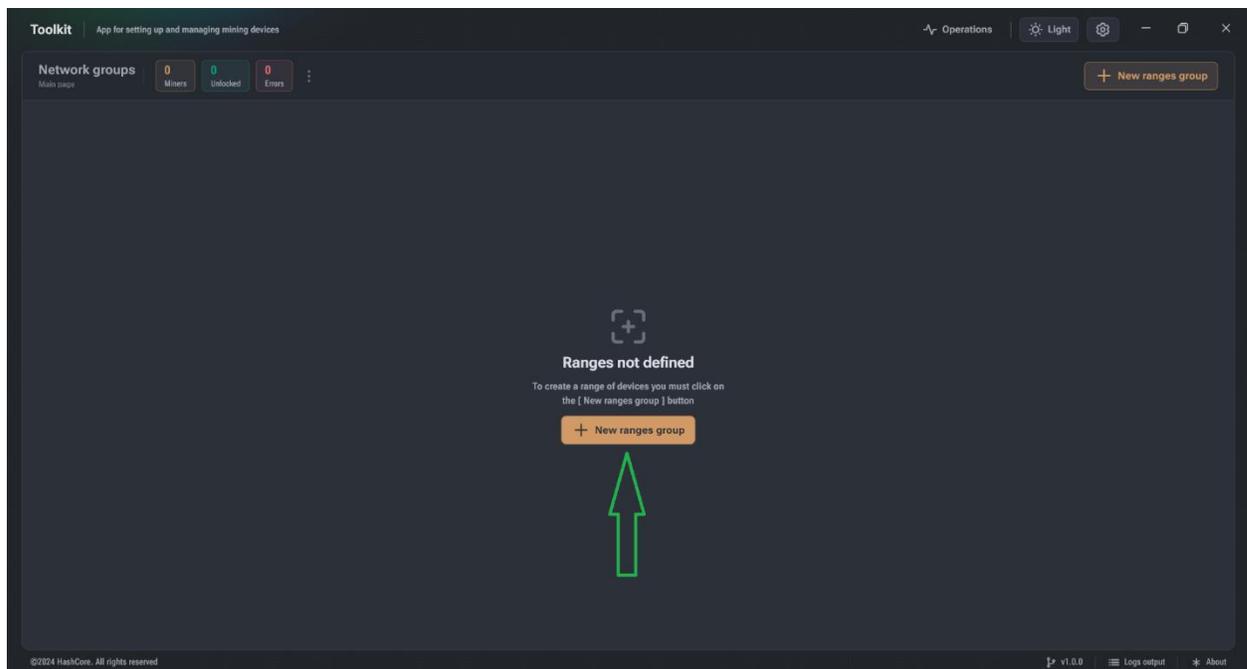


You must install the latest supported versions of the Visual C++  
Redistributable component

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

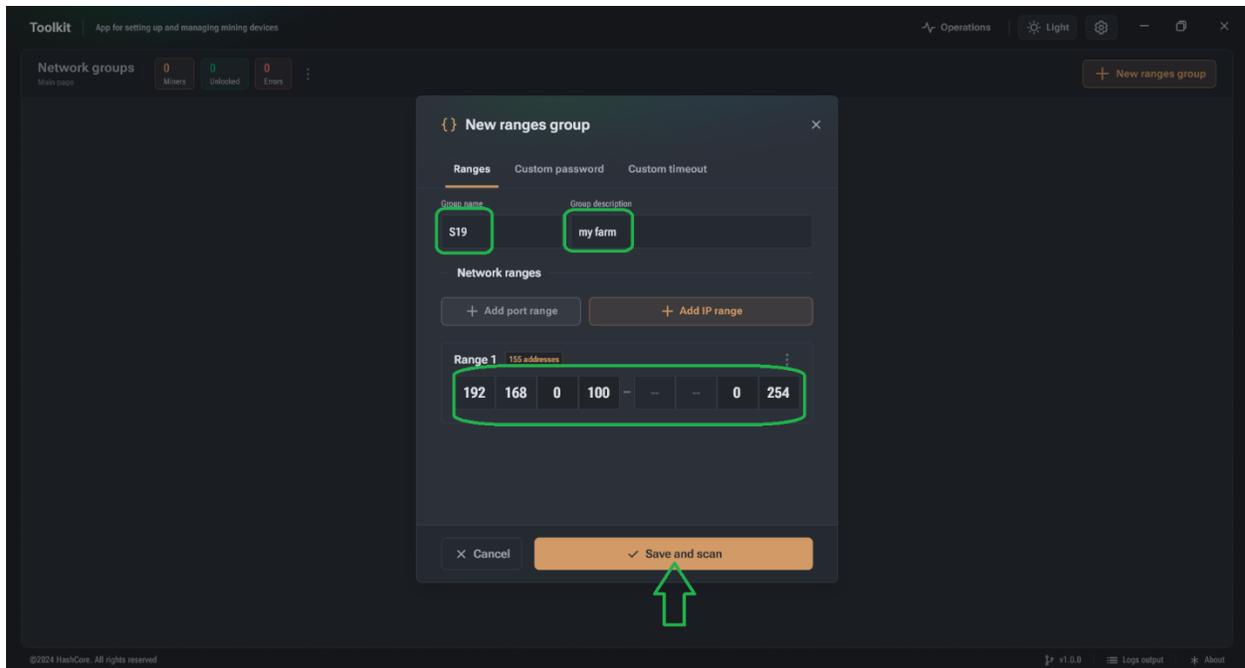
# How to Install vnish.ru Firmware by Vnish Toolkit

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

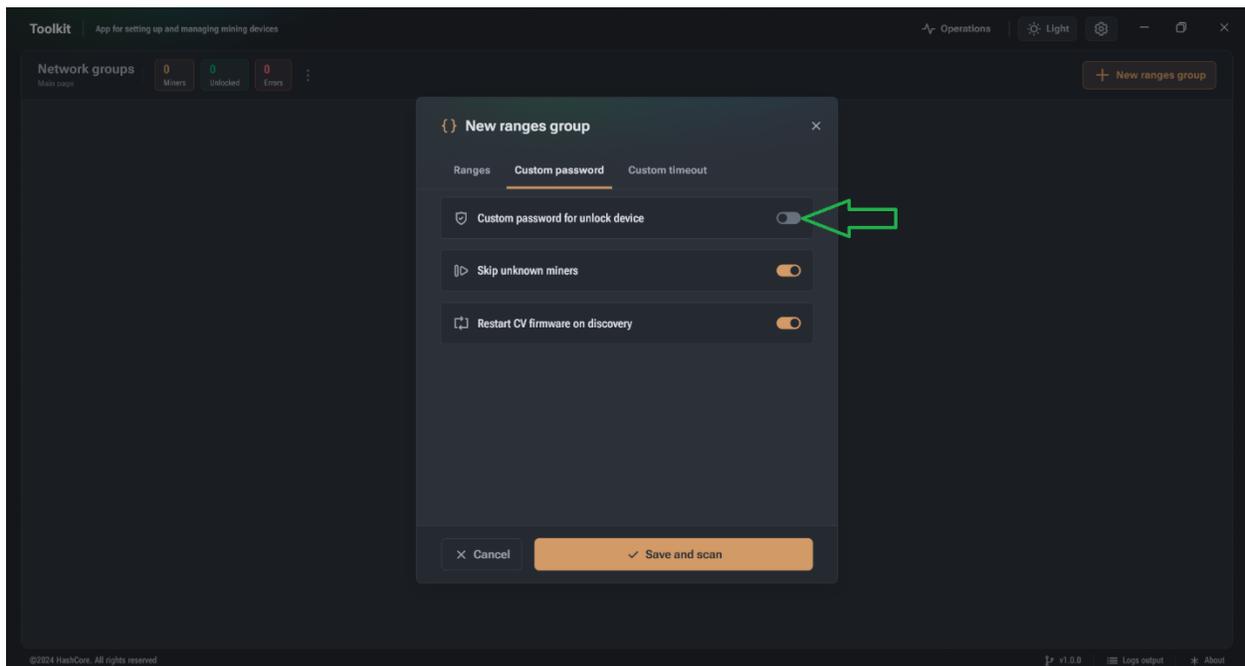


3. Now need to make a group for the IP range
  - Choose a name on “ Group Name ” box
  - Put your own description on “ Group description ” box
  - Choose your IP range on range box

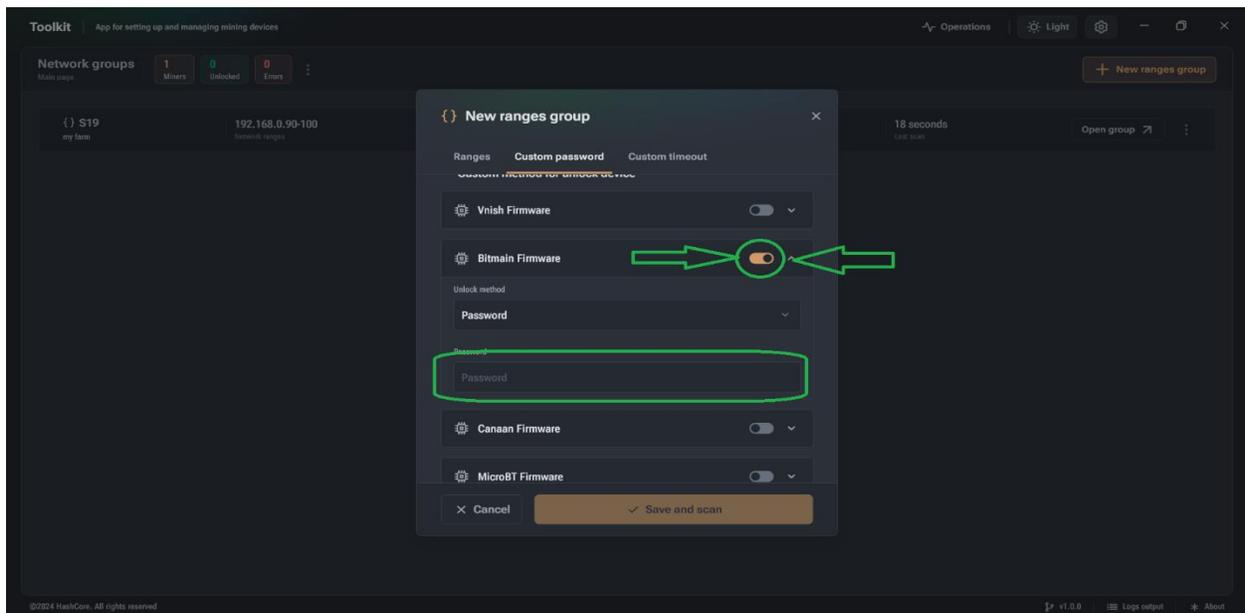
## Vnish.ru Toolkit Tutorial – Install Vnish Firmware



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

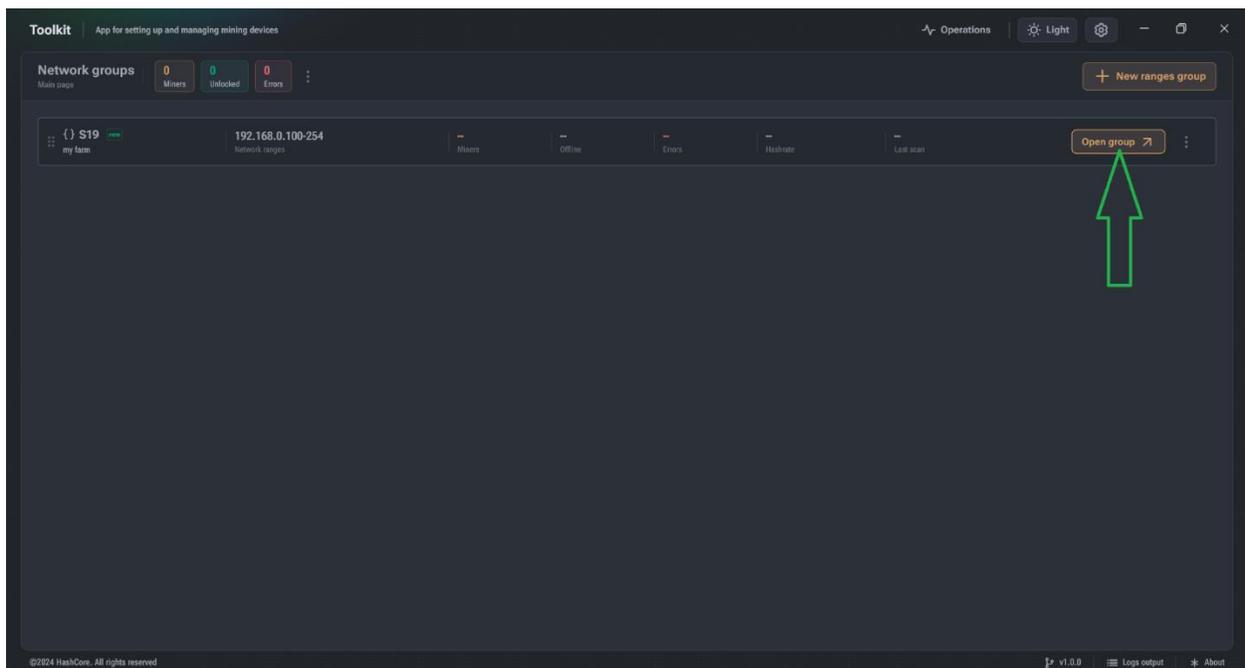


And then scroll down and enable “ Bitmain Firmware ” and click on drop down menu to see the Password . On Password box you can put your miner’s password



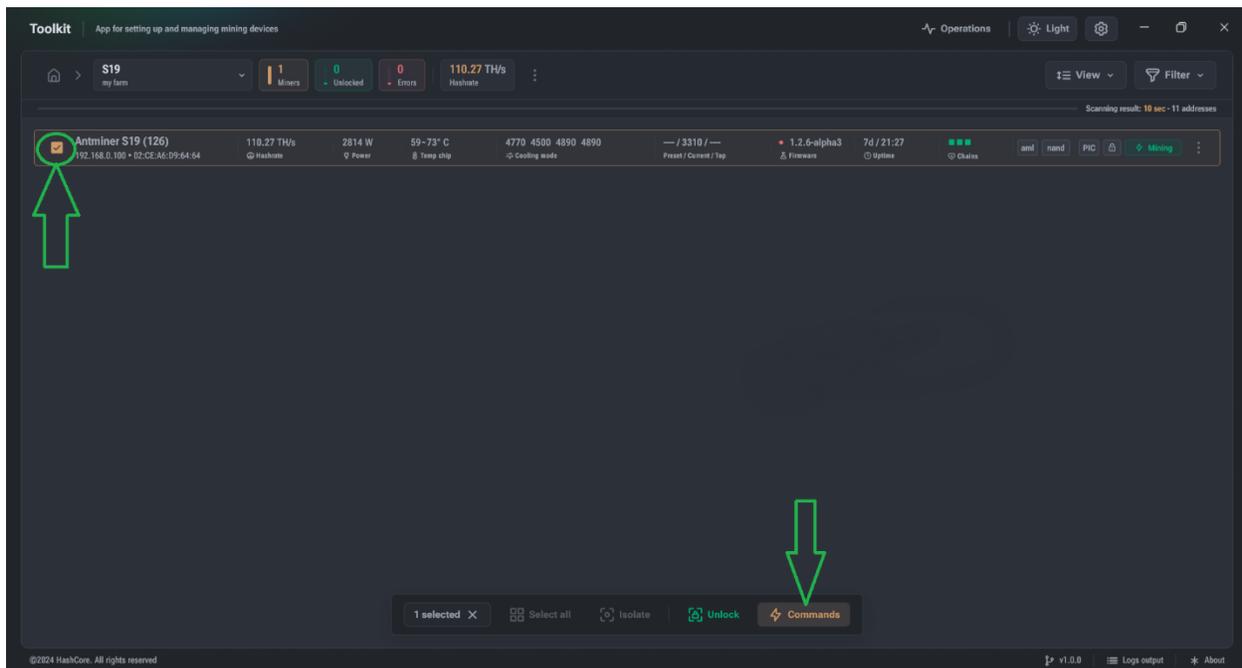
4. Now Click “ Save and Scan ”

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

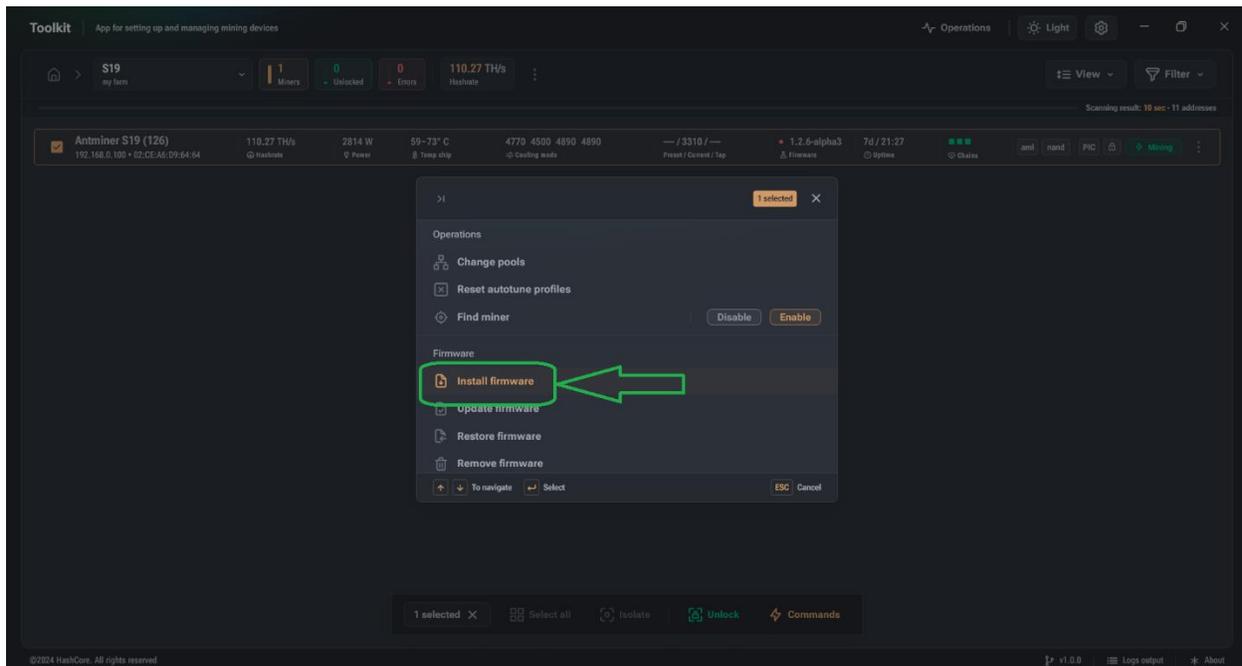


## Vnish.ru Toolkit Tutorial – Install Vnish Firmware

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



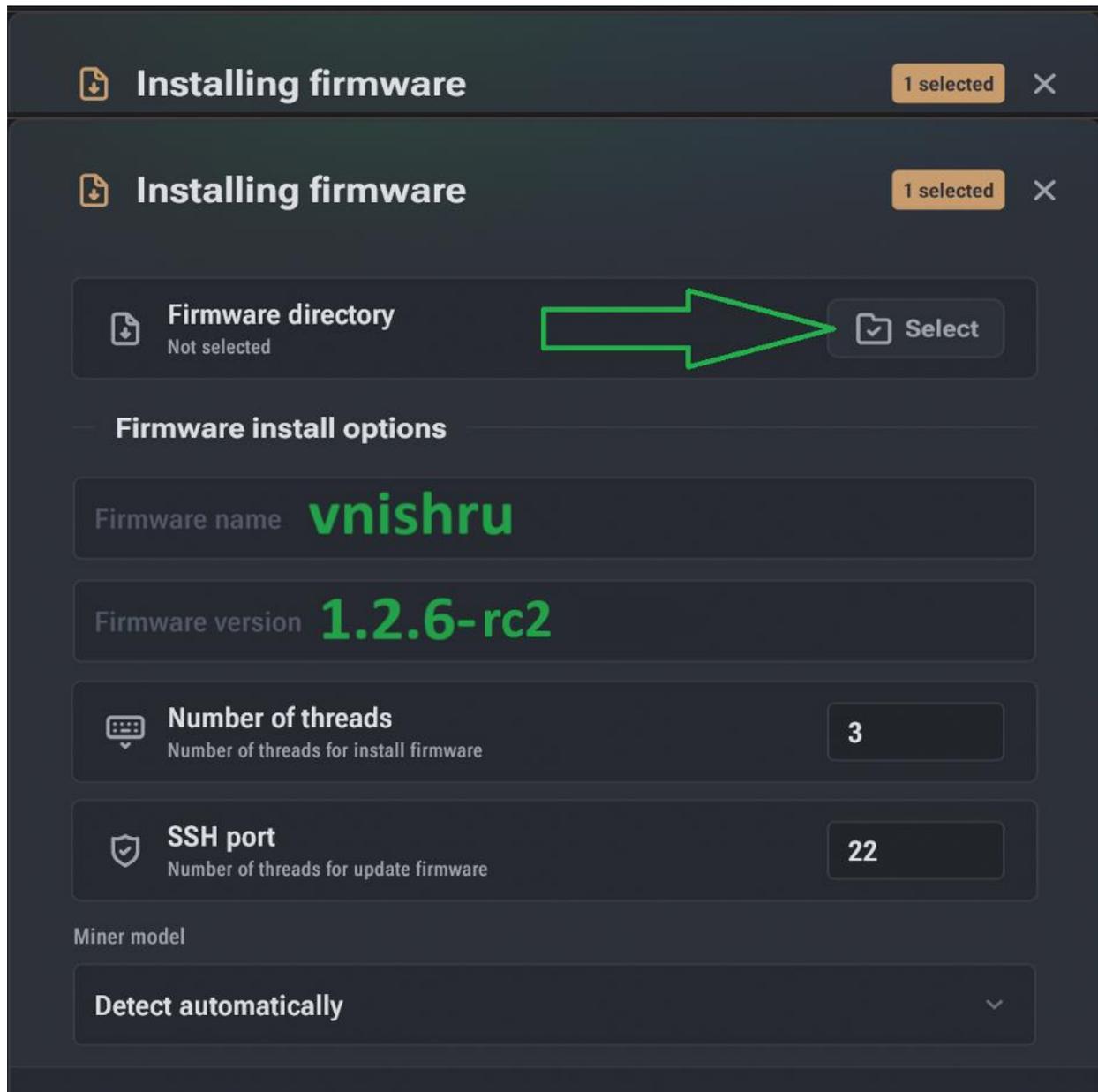
- On Commands page click on “Install Firmware” button :



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 : vnishru

Firmware Version : 1.2.6-rc2



The screenshot displays the 'Installing firmware' interface. At the top, there are two tabs labeled 'Installing firmware', each with a '1 selected' indicator and a close button. Below the tabs, there is a section for 'Firmware directory' with a 'Not selected' status and a 'Select' button, which is highlighted by a green arrow. Underneath, the 'Firmware install options' section contains several input fields: 'Firmware name' with the value 'vnishru', 'Firmware version' with the value '1.2.6-rc2', 'Number of threads' with the value '3', and 'SSH port' with the value '22'. At the bottom, there is a 'Miner model' dropdown menu currently set to 'Detect automatically'.

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 Vnish.ru Toolkit interface. The main dashboard shows 3 miners, 0 unlocked, 0 errors, and a hash rate of 317.53 TH/s. A table lists three Antminer S19j Pro devices with their respective IP addresses, hash rates, power, temperatures, and cooling modes. A green arrow points to the 'Operations' panel on the right, which shows a log for 'Installing firmware' on device 172.16.13.246, completed at 12:20 on August 06, 2024. The operations log indicates 1 waiting and 9 completed operations.

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