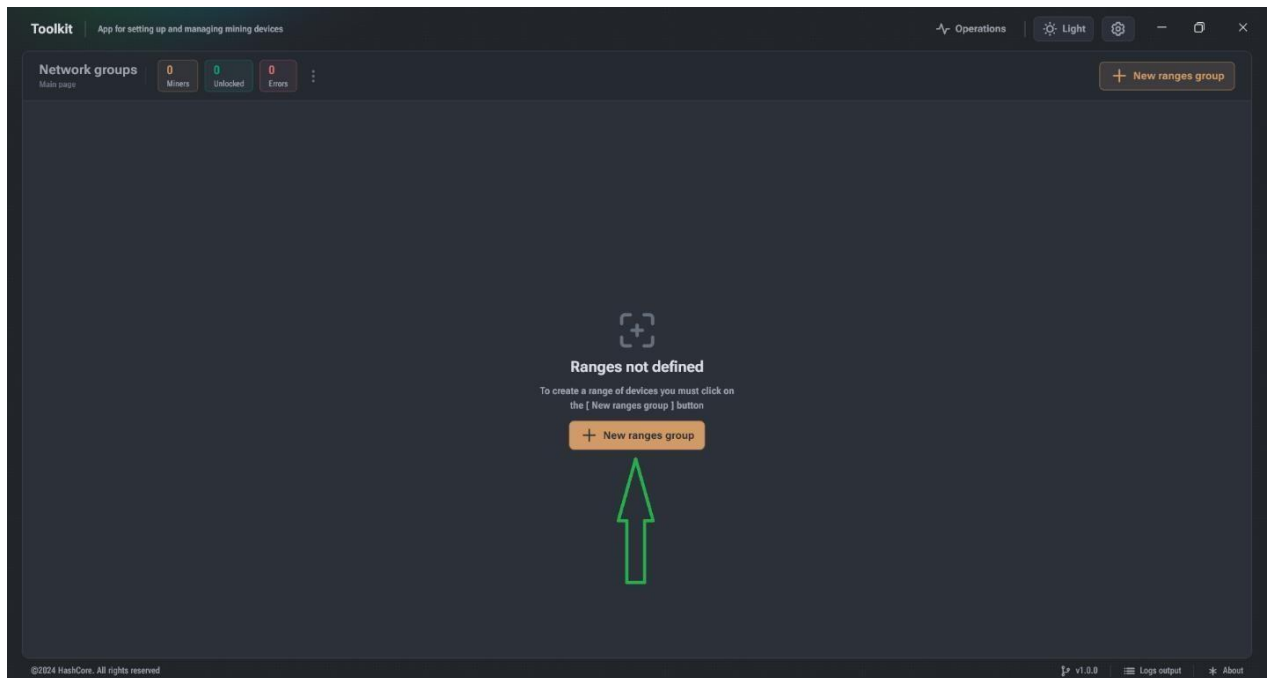


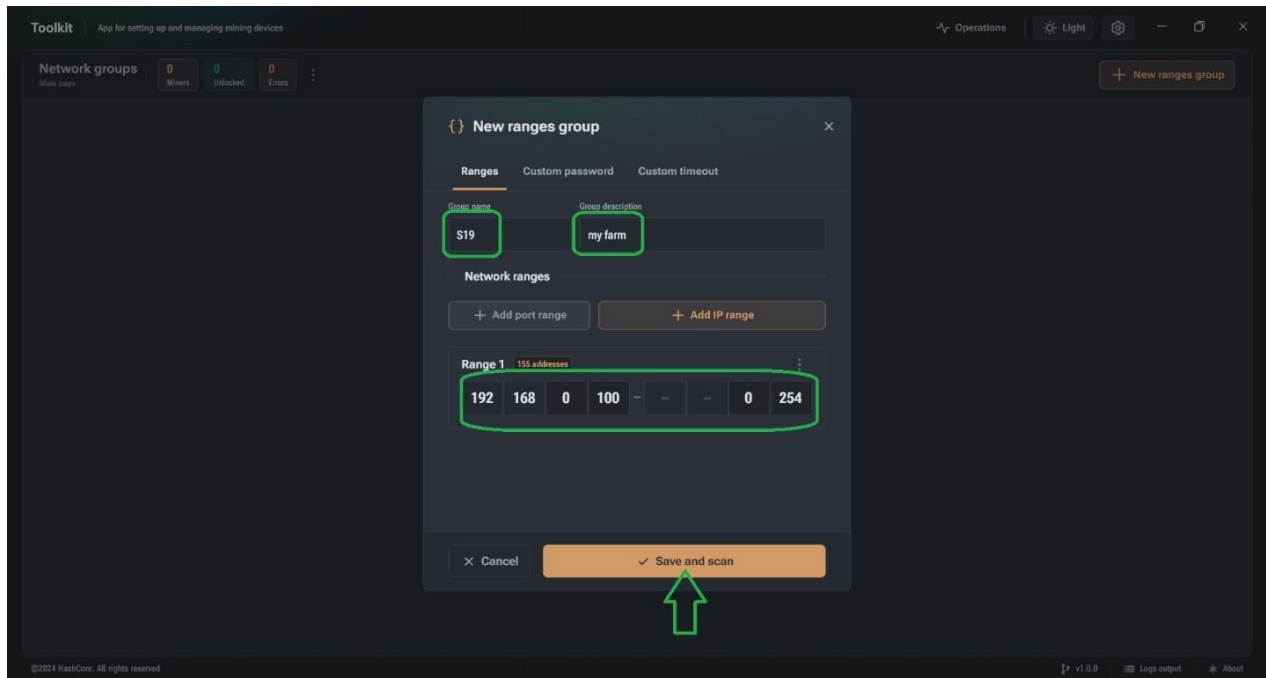
## How to Install Vnish-Firmware.com Firmware by Vnish Toolkit

Create a folder on your PC and name it **vnish-official** Download the firmware to the **vnish-official** folder for your miner model and type of control board <https://vnish-firmware.com/> from the section Method: **NAND**

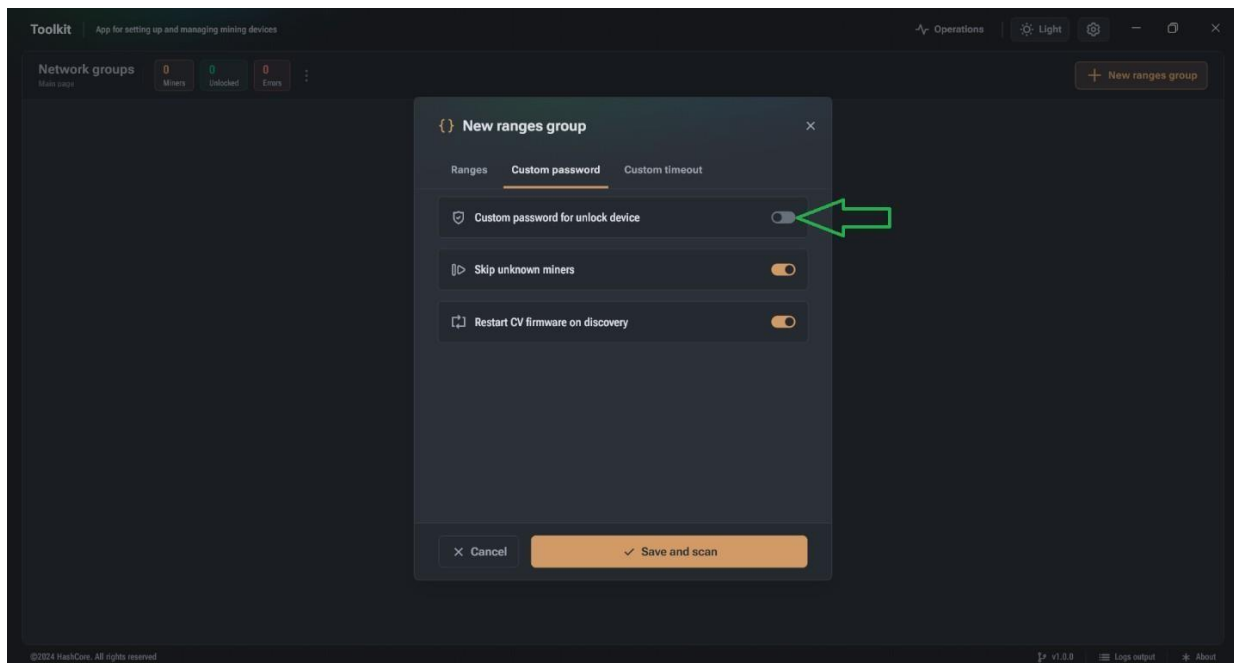
1. Open the Toolkit software .
2. Click on “ New ranges group “ button :



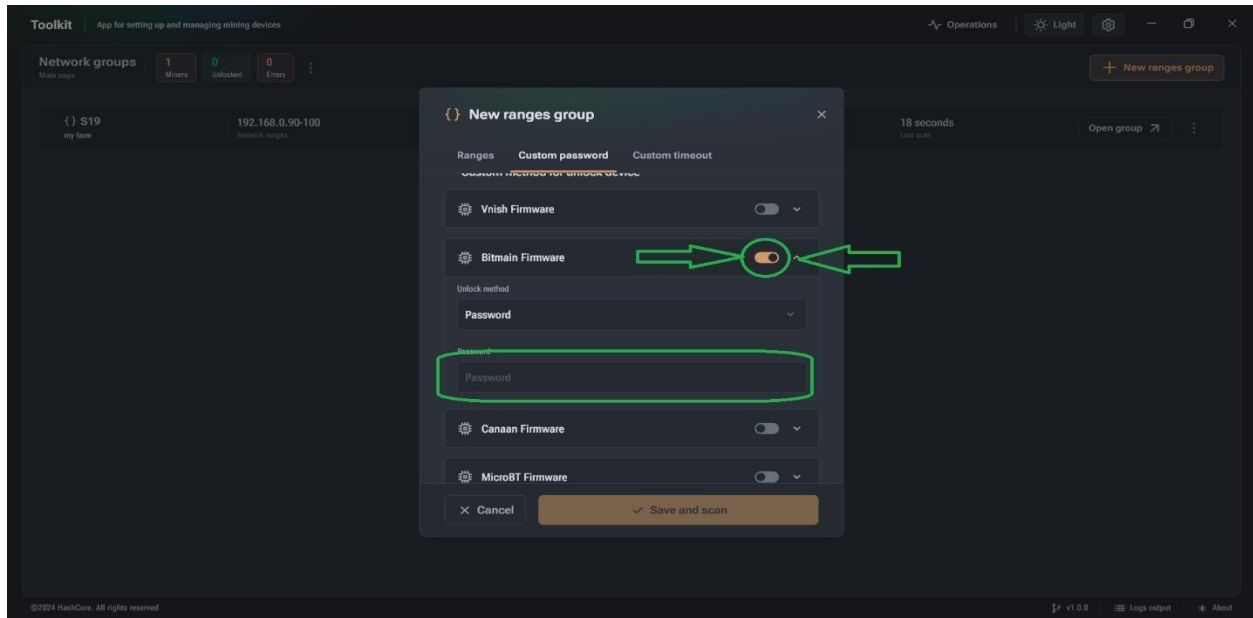
3. Now need to make a group for the IP range
  - Choose a name on “ Group Name ” box
  - Put your own description on “ Group description ” box
  - Choose your IP range on range box



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

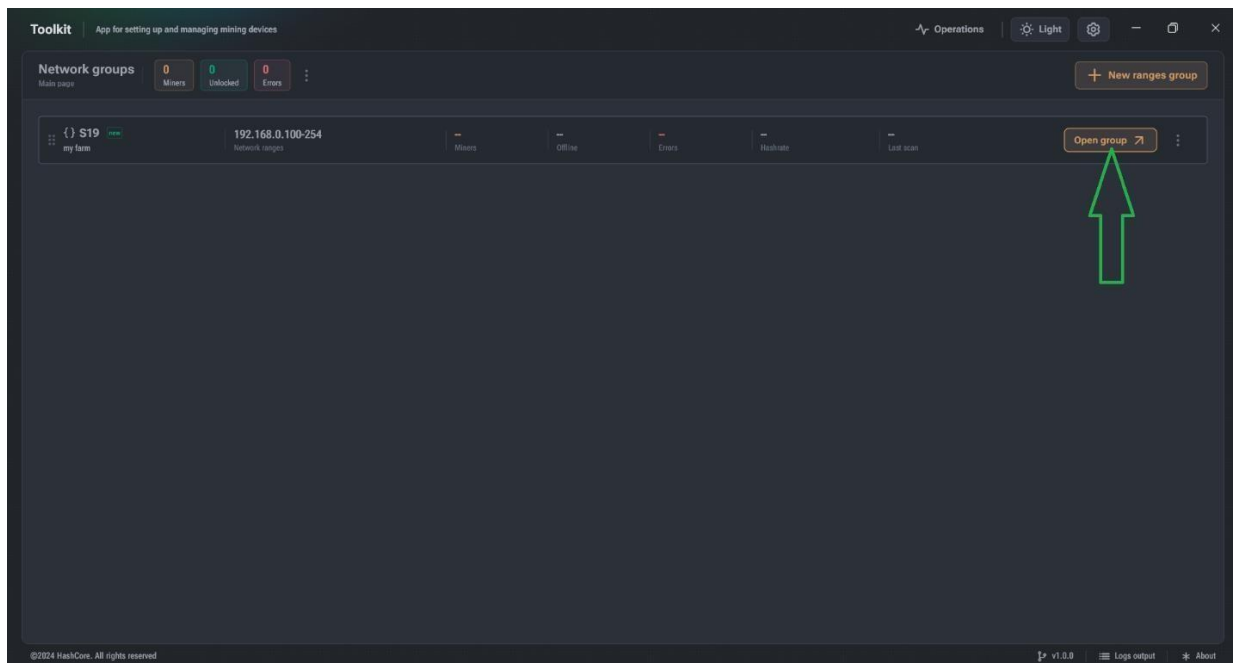


And then scroll down and enable “ Bitmain Firmware ” and click on drop down menu to see the Password . On Password box you can put your miner’s password

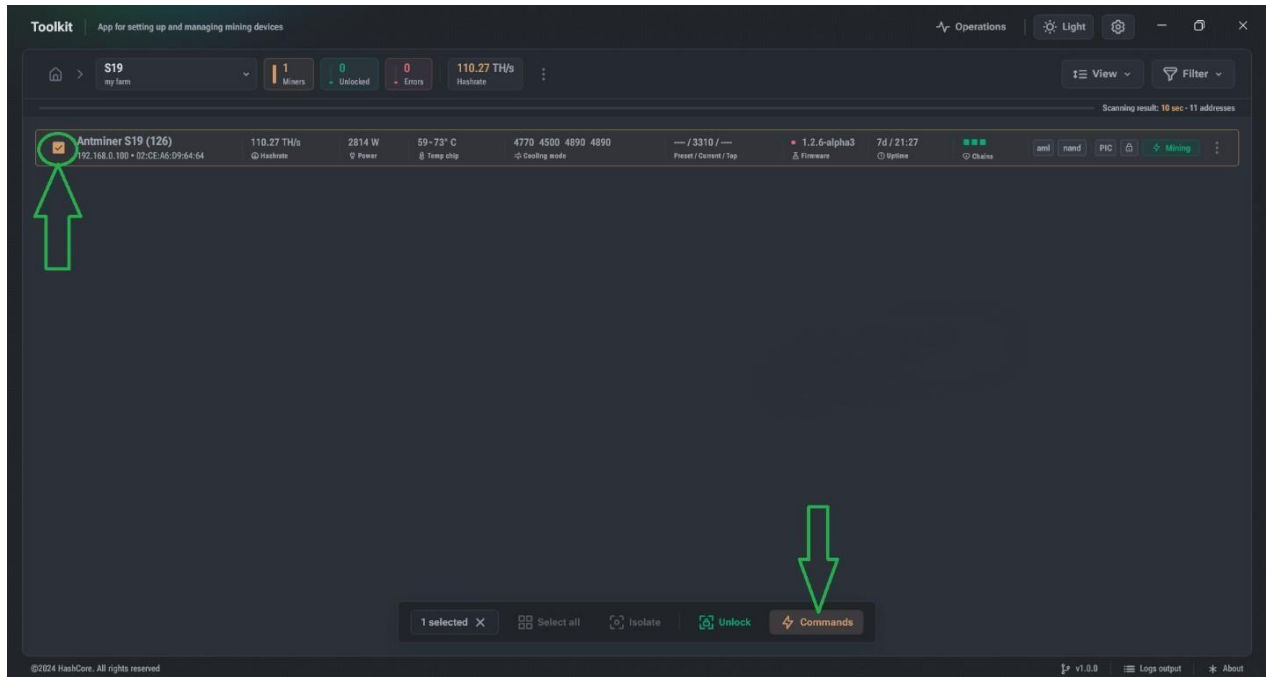


4. Now Click “ Save and Scan ”

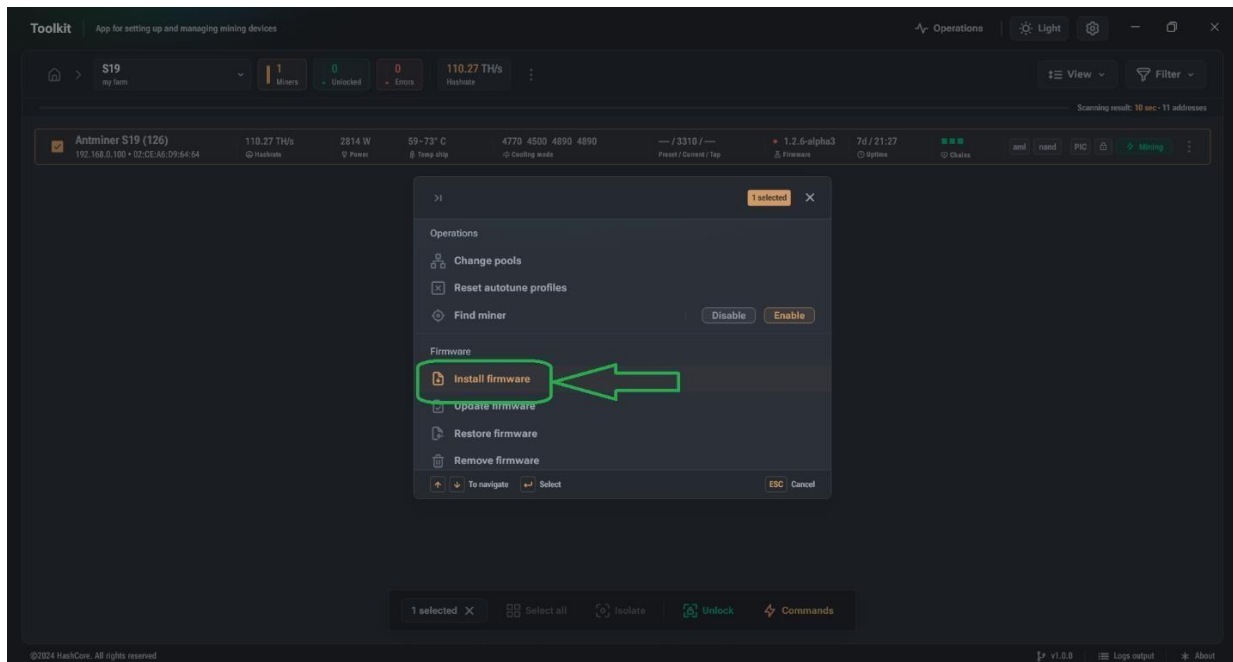
5. Click on “ Open Group ”to see the miners on IP range .



- 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 **vnish-official** that firmware files are inside it fill the boxes with information like picture below :

Firmware name : vnish-official

Firmware Version : 1.2.6-rc2 (or newer)

**Installing firmware** 1 selected X

Firmware directory Not selected Select

**Firmware install options**

Firmware name **vnish-official**

Firmware version **1.2.6-rc2**

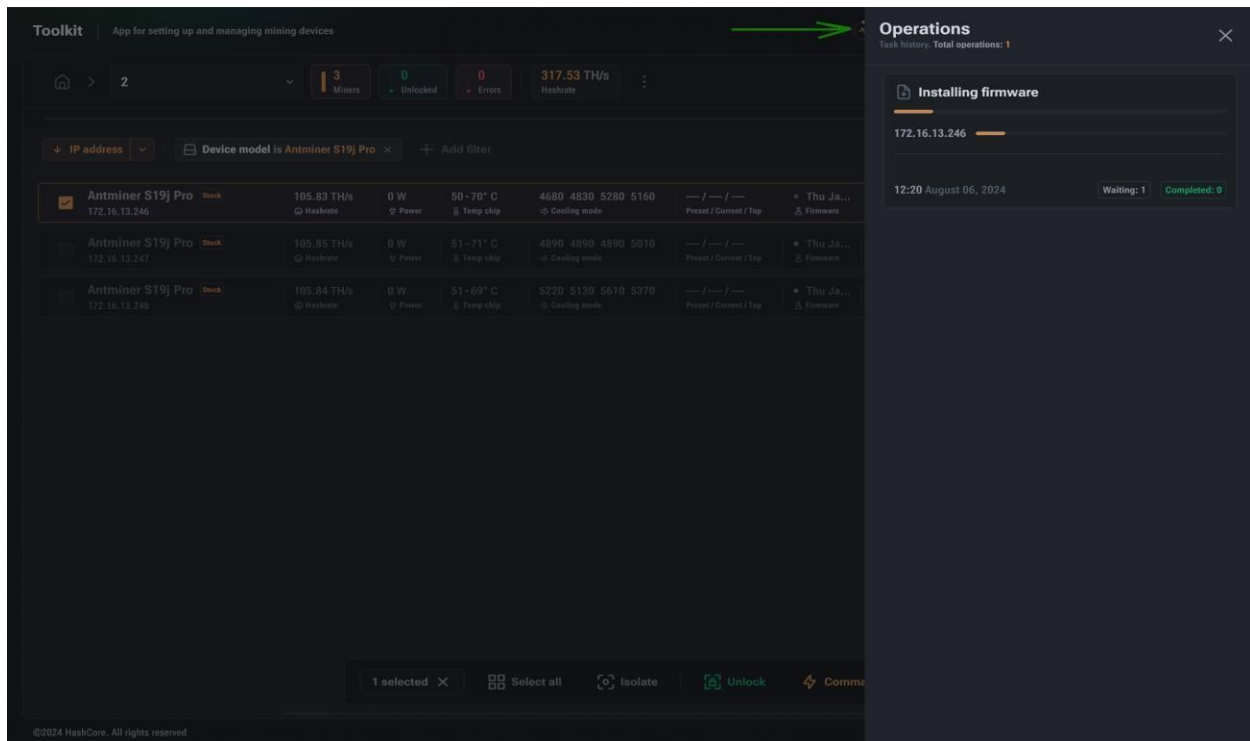
Number of threads 3  
Number of threads for install firmware

SSH port 22  
Number of threads for update firmware

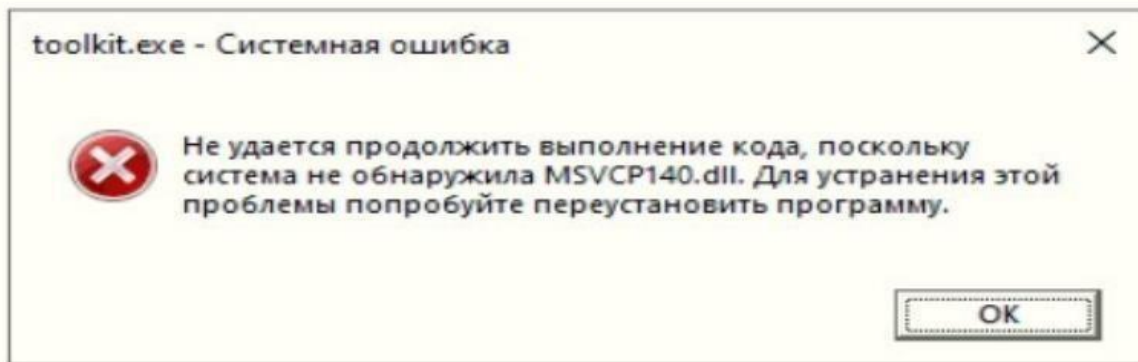
Miner model  
Detect automatically

X Cancel ✓ Install firmware

- 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



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/>