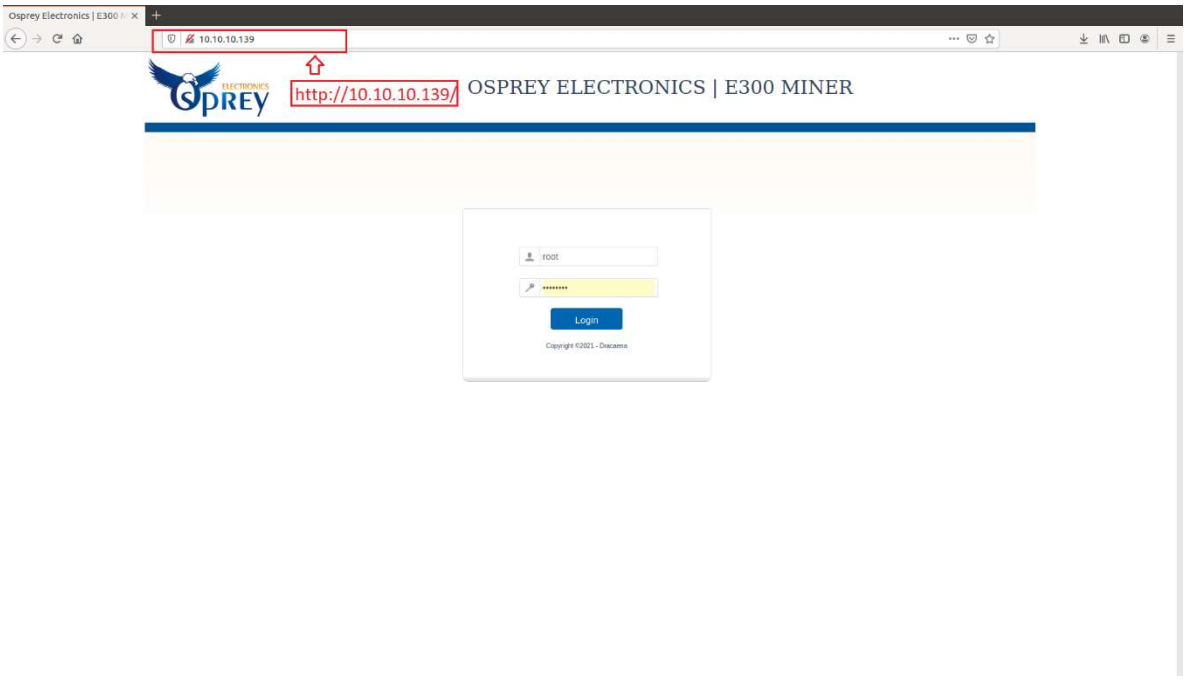
Q&A

1. How to access E300 WebUI?

   Step 1: Obtain your E300's IP address by logging into your network router and reviewing the DHCP leases for a device named ARM or installing an IP scanner tool at: (*https://www.advanced-ip-scanner.com*).

   Step 2: Once you have the E300's IP address, open a web browser (Chrome or Firefox are reommended) and insert this link in the address bar: http://E300_ip_address/ , login window pop up will show up. Use the following credentials to log in:

User name: root Password: password



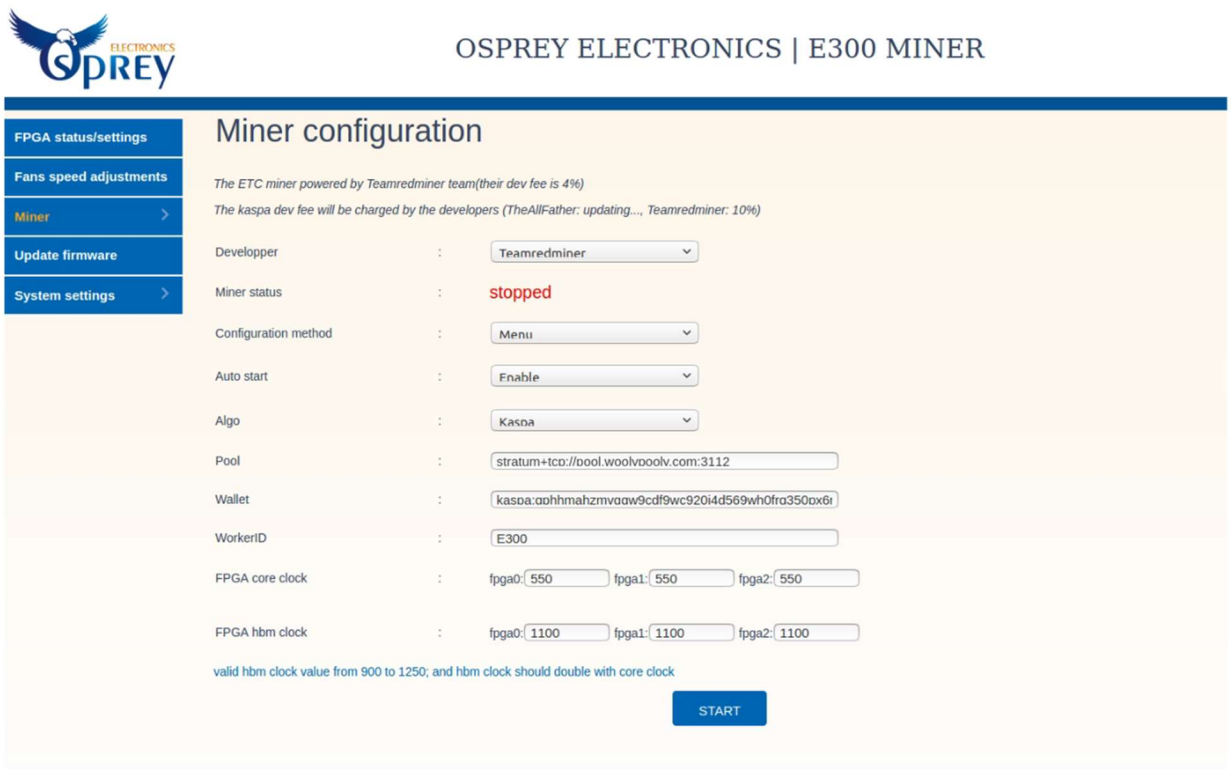
2. How to mine Kaspa:

   Step 1: Set vccINT to 635mv (please refer to 3 for how to change vccINT)

   Step 2: Goto "Miner" webpage

   Step 3: Fill in your mining pool, kaspa wallet, workerID, coreclock…

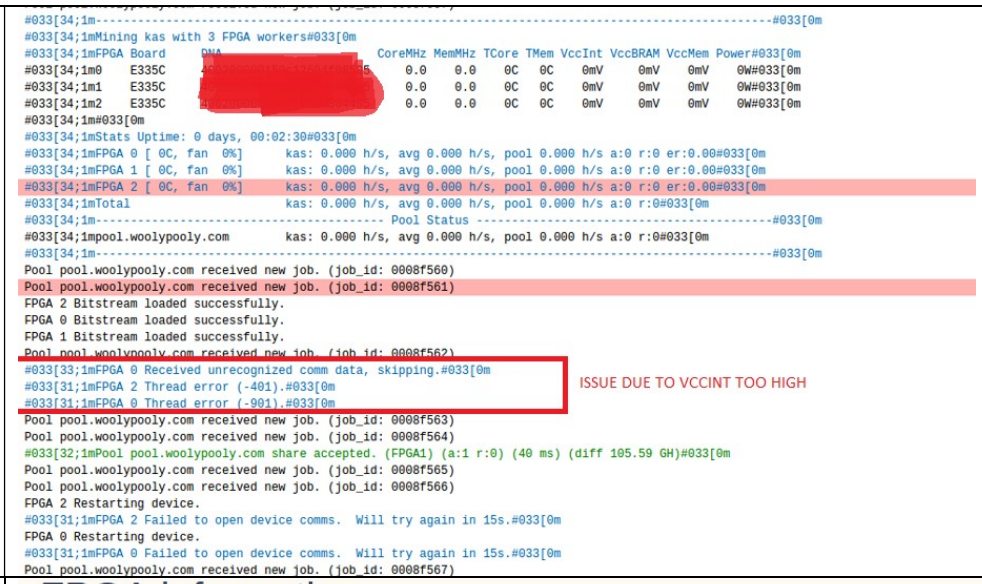
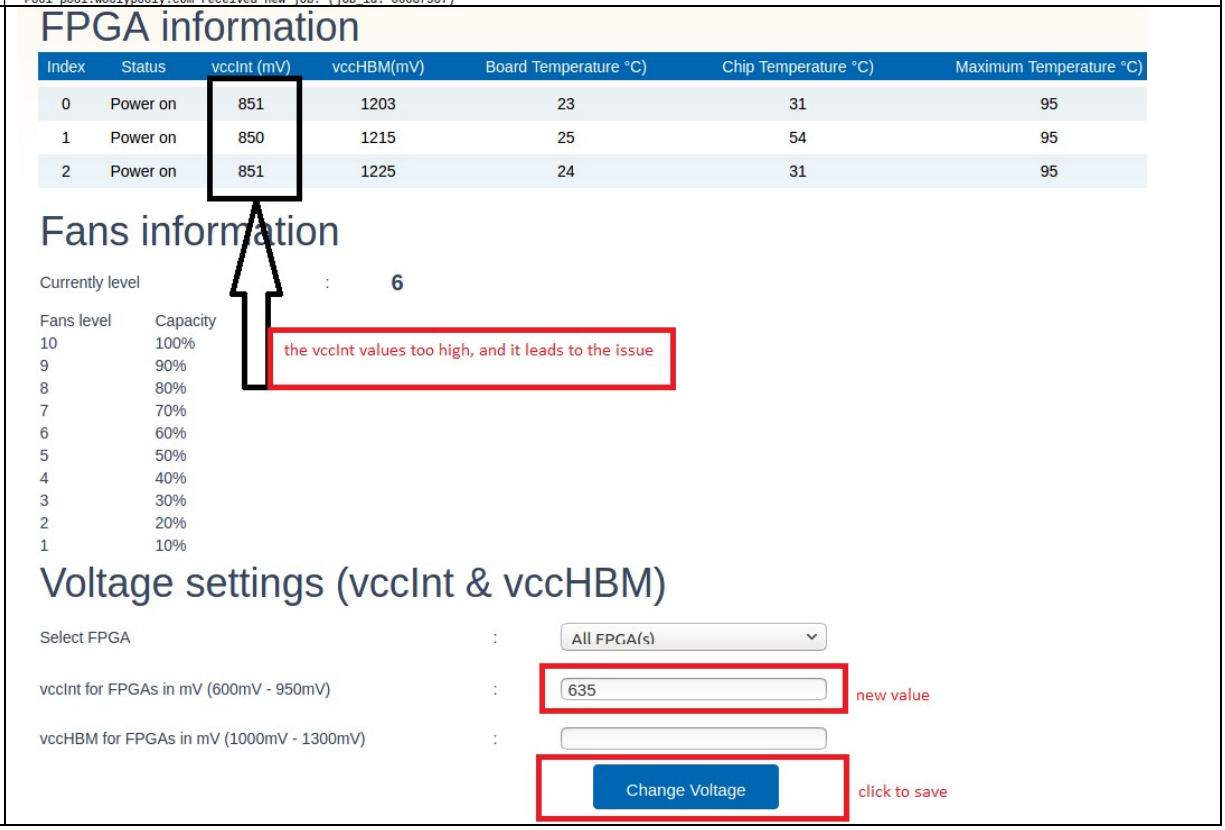
   Step 4: Running miner by click the "start" button



Note: raising FPGA core clock help to increase hashrate, and need a higher vccInt value (please refer to 3 for how to change vccINT)

3. How to set vccint voltage. (it may show “Unrecognized comm data, skipping” issue if vccint too high when mine kaspa

Step 1: Stop mining tool (from “Miner” webpage)
Step 2: Tweak vccInt value
Please refer to the below table:

Isssue	
Solving issue	

Result

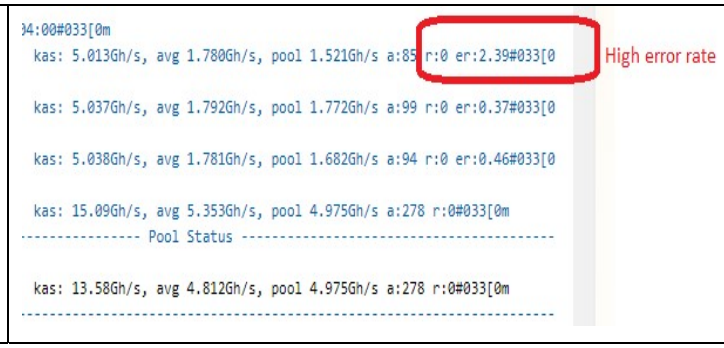
```
| #033[34;1m----------------------------------------------------------------------------------------------------#033[0m
| #033[34;1mMining kas with 3 FPGA workers#033[0m
| #033[34;1mFPGA Board     DNA                     CoreMHz MemMHz TCore TMem VccInt VccBRAM VccMem Power#033[0m
| #033[34;1m0    E335C                               620.0    0.0   51C   0C  616mV   846mV    0mV    0W#033[0m
| #033[34;1m1    E335C                               620.0    0.0   49C   0C  618mV   850mV    0mV    0W#033[0m
| #033[34;1m2    E335C                               620.0    0.0   49C   0C  614mV   850mV    0mV    0W#033[0m
| #033[34;1m#033[0m
| #033[34;1mStats Uptime: 0 days, 00:04:30#033[0m
| #033[34;1mFPGA 0 [51C, fan  0%]      kas: 4.936Gh/s, avg 2.185Gh/s, pool 1.765Gh/s a:16 r:0 er:0.00#033[0m
| #033[34;1mFPGA 1 [49C, fan  0%]      kas: 4.936Gh/s, avg 2.189Gh/s, pool 2.019Gh/s a:18 r:0 er:0.00#033[0m
| #033[34;1mFPGA 2 [49C, fan  0%]      kas: 4.935Gh/s, avg 2.186Gh/s, pool 1.415Gh/s a:13 r:0 er:0.00#033[0m
| #033[34;1mTotal                      kas: 14.81Gh/s, avg 6.561Gh/s, pool 5.200Gh/s a:47 r:0#033[0m
| #033[34;1m---------------------------------------- Pool Status ----------------------------------------#033[0m
| #033[34;1mpool.woolypooly.com        kas: 13.33Gh/s, avg 5.901Gh/s, pool 5.200Gh/s a:47 r:0#033[0m
| #033[34;1m----------------------------------------------------------------------------------------------------#033[0m
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b2)
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b3)
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b4)
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b5)
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA2) (a:48 r:0) (41 ms) (diff 719.63 GH)#033[0m
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA0) (a:49 r:0) (40 ms) (diff 145.27 GH)#033[0m
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b6)
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA0) (a:50 r:0) (41 ms) (diff 46.88 GH)#033[0m
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b7)
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b8)
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA2) (a:51 r:0) (43 ms) (diff 55.62 GH)#033[0m
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA1) (a:52 r:0) (53 ms) (diff 95.93 GH)#033[0m
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA2) (a:53 r:0) (99 ms) (diff 164.62 GH)#033[0m
| #033[32;1mPool pool.woolypooly.com share accepted. (FPGA1) (a:54 r:0) (96 ms) (diff 233.94 GH)#033[0m
| Pool pool.woolypooly.com received new job. (job_id: 0008f9b9)
| Pool pool.woolypooly.com received new job. (job_id: 0008f9ba)
| Pool pool.woolypooly.com received new job. (job_id: 0008f9bb)
```

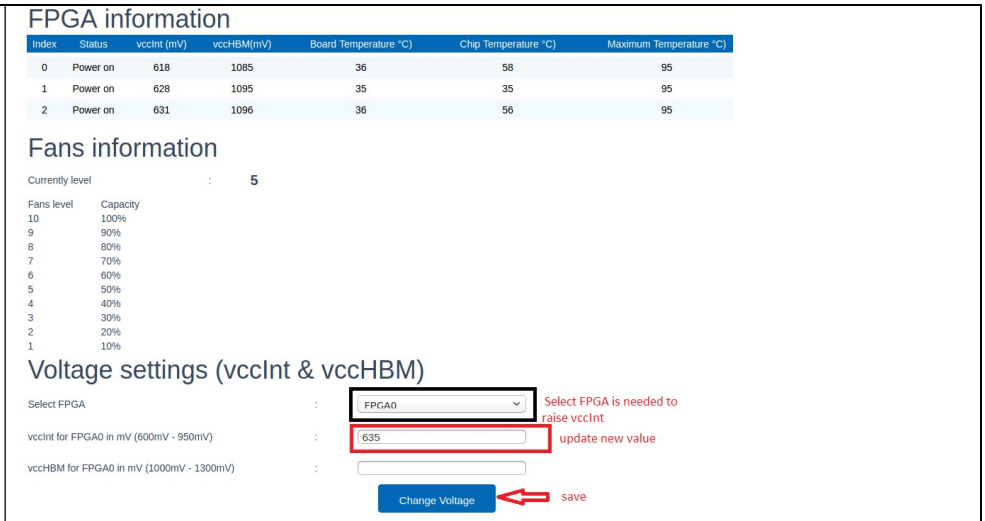
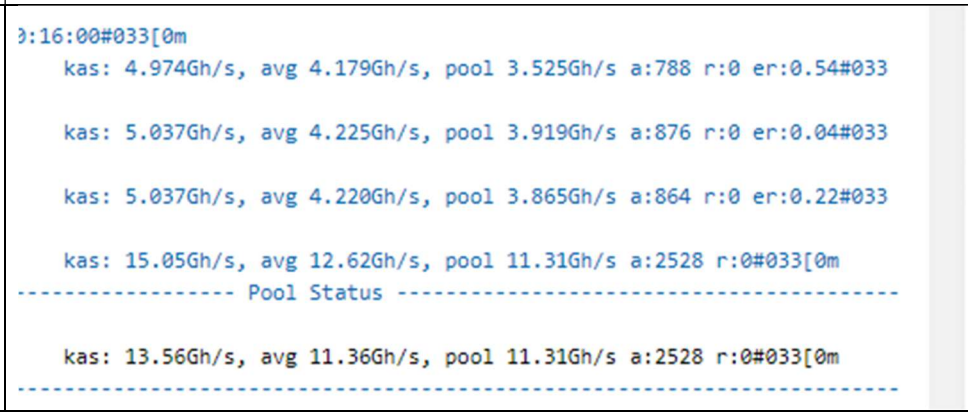
Algorithm	Clock	vccInt	vccHBM
kHeavyHash (Kaspa)	601 - 633 MHz	635 - 649 mV	Kaspa doesn't use HBM
	600 MHz	625- 635 mV	Kaspa doesn't use HBM
	550 MHz	600 mV	Kaspa doesn't use HBM

4. How to solve the high error issue?

The high error issue is relating to voltage. To solve it, we just need to increase several mV vccInt

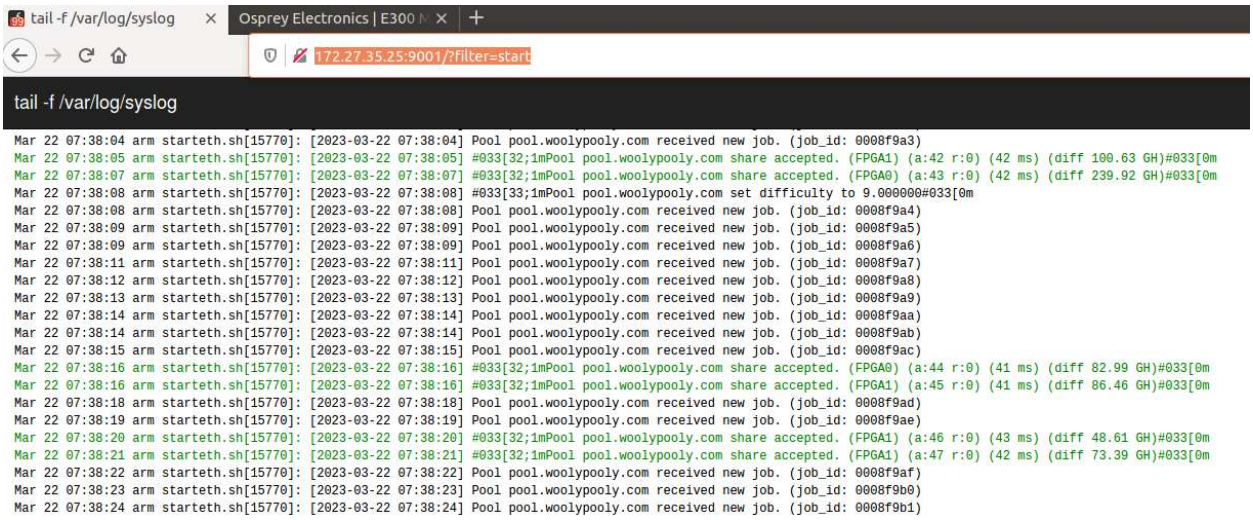
Assume that your FPGA0 get high error rate issue.



Solve by increasing vccInt of FPGA0	
Result	

5. Is there any way to monitor streaming log without login?
   Yes, You monitor the streaming log by access.

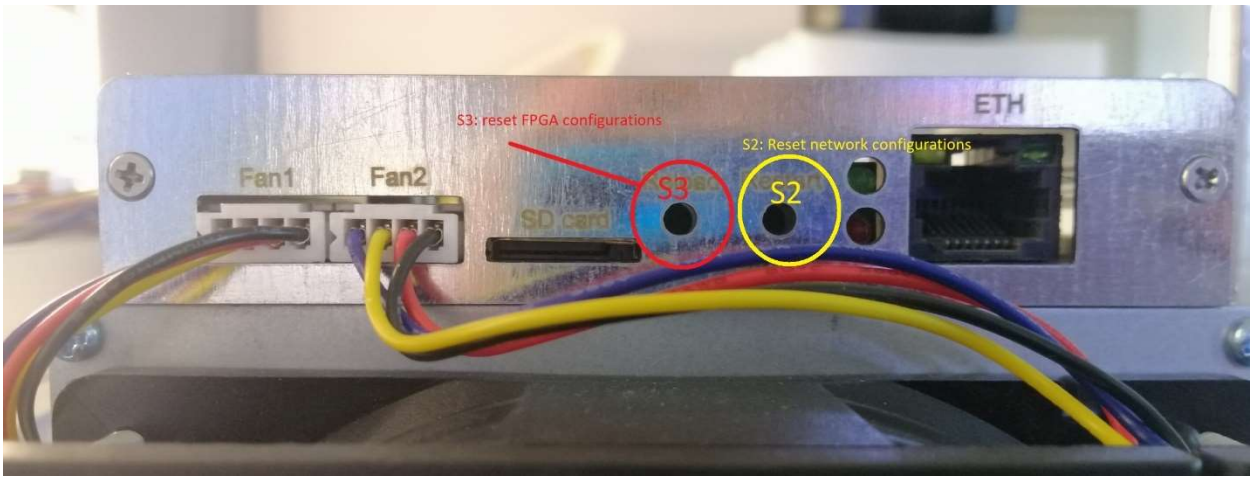
   http://YOUR_E300_IP_ADDRESS:9001/?filter=start



6. What is the normal temperature while mining Kaspa?
   The normal chip temperature ranges from 50°C ~ 60 °C in the winter, and 60°C ~ 70°C in the summer.

7. How often should you clean the E300 miners?
   It is recommended that Ospreyers should clean hashing boards to remove dust and external objects every three (03) months. This task is not time-consuming and helps your boards work more reliable and long-lasting.

8. Is there any hard reset button on E300 miner?
   Yes, the E300 miner supported two (02) reset button.



   S2 button: Hold the S2 button for **over 5 seconds** to reset factory network configurations

   S3 button: Hold the S3 button for **over 5 seconds** to reset factory FPGA (hashing boards) configurations

9. How to troubleshoot the continuous rebooting issue?
   Step 1: ssh into E300 box ; user name: ubuntu ; password: temppwd
   Step 2: Run two command lines below

```
sudo systemctl stop dhcp_reset

sudo systemctl disable dhcp_reset
```

10. How can you contact us for support
    Join our discord at https://discord.gg/F86rAyYGNP