



# RigRunner Build Guide

## Build Guide for ePIC UMC OS Installer

Last updated: November 2025

<u>Introduction</u>	3
<u>Setup</u>	4
<u>RigRunner</u>	5
Installation	5
For Windows	7
For MacOS	8
Instruction	10
Demo	12
<u>ePIC Webdash</u>	13
Toggle Theme	15
Settings	15
Cooling	15
Mining Config	16
Network	17
Performance	17
Perpetual Tune	19
System	21
Find Miner	22
Logs	22
API	23
<u>Troubleshoot</u>	24
BoardTypeUndefined	24
ChipDetectError & HbChipDetectError	24
ChipDetectTimeout	25
General Solutions for Hashboard Errors	25
<u>FAQ</u>	26



## Introduction

**ePIC UMC OS** enables users to install ePIC firmware directly onto an Amlogic stock control board, offering a flexible alternative to using ePIC UMC boards. This approach allows broader access to ePIC's advanced firmware features while maintaining compatibility with existing equipment without physical access.

**UMC OS** can be simply installed through **RigRunner** application:

- **RigRunner:** A user-friendly application designed for efficient fleet installation. Rig Runner allows users to **scan**, **install**, and **uninstall UMC OS** across multiple rigs with ease, just like ePIC Dashboard, making it a convenient option for managing large deployments without needing command-line expertise.

Users can choose between purchasing a license key or opting for the **2.5%** dev fee option—whichever best aligns with their operational strategy and preferences.

## Setup

### Requirement

- Stock firmware already installed on your miner must be released **BEFORE February 2025**.

#### Works ✓

- **February 2024 or prior**
- **July 2024 or newer up to February 2025**

#### Does NOT work ✗

- **March - June 2024**

Click the model below to find the stock firmware if needed.

[S21x firmware](#)

[S19x firmware](#)

- Miner's IP address
- **RigRunner** installed
  - Download **RigRunner** here: <https://github.com/epicblockchain/rig-runner>
- **UMCOS** firmware downloaded
  - Download UMC OS here: <https://github.com/epicblockchain/umcos-antminer>



## RigRunner



## Installation

1. Go to ePIC Github page and click rig-runner.

A screenshot of the ePIC GitHub repository page. On the left is a large circular profile picture of the ePIC logo. Below it is the repository name "ePIC BLOCKCHAIN TECHNOLOGIES" and the URL "epicblockchain". There are buttons for "Follow" and "34 followers". In the center, there's a "Pinned" section with several repositories listed: "epic-dashboard" (JavaScript), "powerplay-antrminer" (UMC firmware for Antminer rigs), "rig-runner" (highlighted with a red box), "umcos-antrminer" (UMCOS firmware for stock Amlogic (AML) control boards Antminer rigs), "powerplay-blockminer" (UMC firmware for BlockMiner rigs), and "powerplay-whatsminer" (UMC firmware for Whatsminer rigs). At the bottom, there's a timeline showing "293 contributions in the last year" from November 2023 to October 2024.

2. Click the latest release on the right-hand panel.

A screenshot of the RigRunner GitHub repository page. The top navigation bar shows the repository name "rig-runner" and its status as "Public". The main content area shows the repository structure with files like "main", "branches", "tags", "README", and "assets". To the right, there's an "About" section with a brief description: "RigRunner tool designed for installing UMC OS firmware". Below that is an "Activity" section with 2 commits, 3 days ago. Further down are sections for "Releases" (with one entry for "0.7.4 (Latest) 4 days ago"), "Packages" (no packages published), and "Report repository". A red box highlights the "0.7.4 (Latest)" release link.



### 3. Select the installer for your operating system and follow the instructions.

Releases / 0.7.4

**0.7.4** Latest

 epicblockchain released this 4 days ago · 1 commit to main since this release · 0.7.4 · 5c392e2

first commit

▼ Assets 6

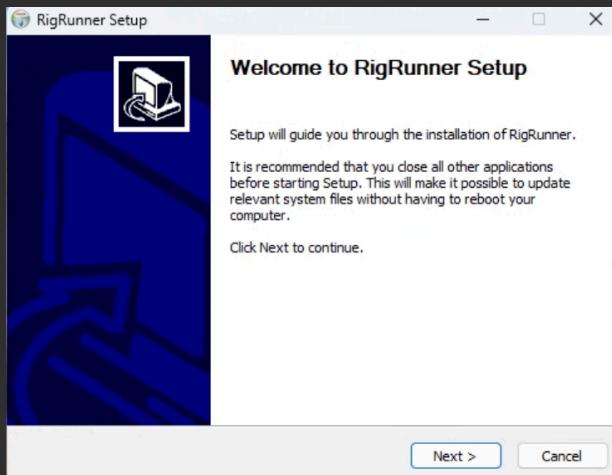
 RigRunner_0.7.4_amd64.deb	sha256:5cfad3144b98c1f2de84e6e463...		8.41 MB	4 days ago
 RigRunner_0.7.4_x64-setup.exe	sha256:03d8c25e306c421d660377aed6...		4.1 MB	4 days ago
 RigRunner_0.7.4_x64.dmg	sha256:baf753f5b7b75b0fcda9f721e8...		7.57 MB	4 days ago
 RigRunner_0.7.4_x64_en-US.msi	sha256:5dc8e28a46ebe0f85ff188e8c0...		5.71 MB	4 days ago
 Source code (zip)				3 weeks ago
 Source code (tar.gz)				3 weeks ago

(S)

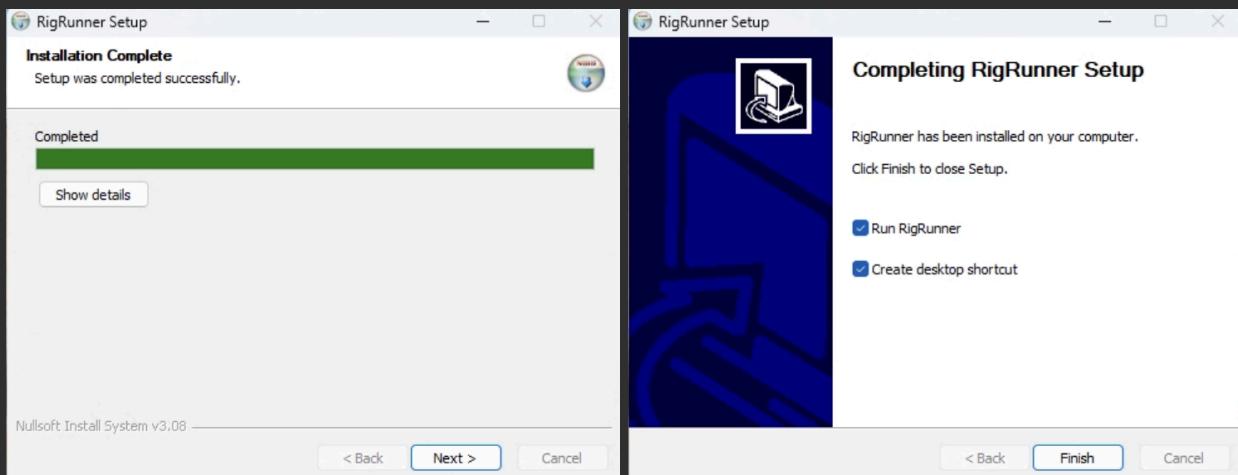
## For Windows

RigRunner\_<version>\_<arch>-setup.exe

- 1 . Click to download the .exe file and run the installer.



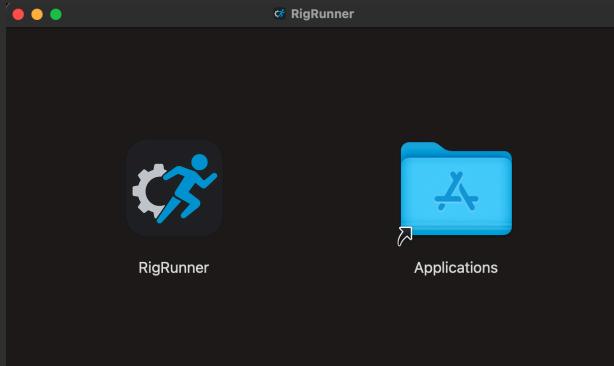
2. Follow the instructions to complete RigRunner setup.



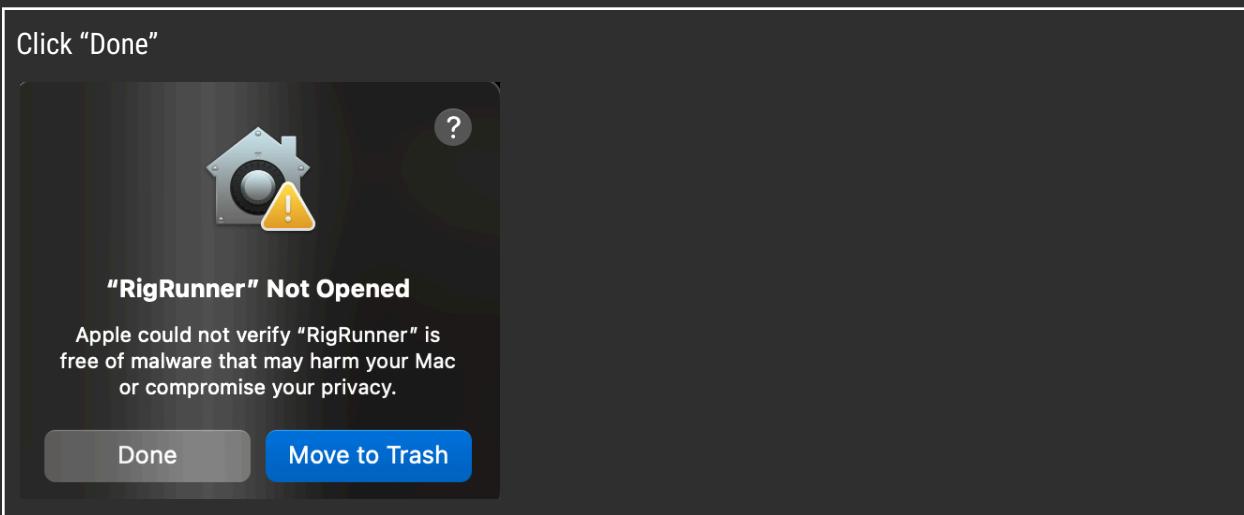
## For MacOS

RigRunner\_<version>\_<arch>.dmg

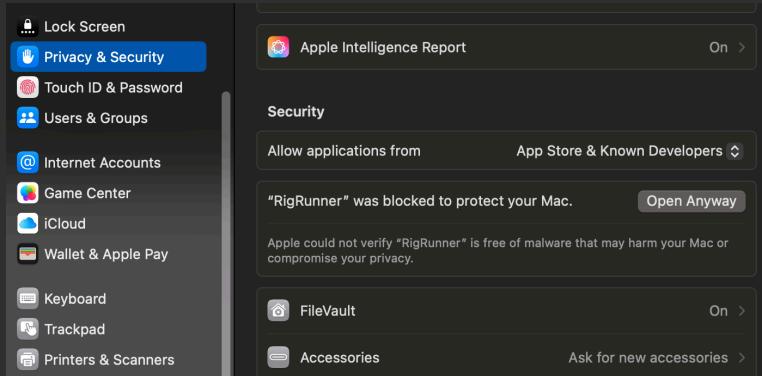
1. Click to download the .dmg file and drag it to the Applications folder.



2. Follow the below instructions.



Navigate to System Settings > Privacy & Security > Scroll down and click “Allow Anyway”

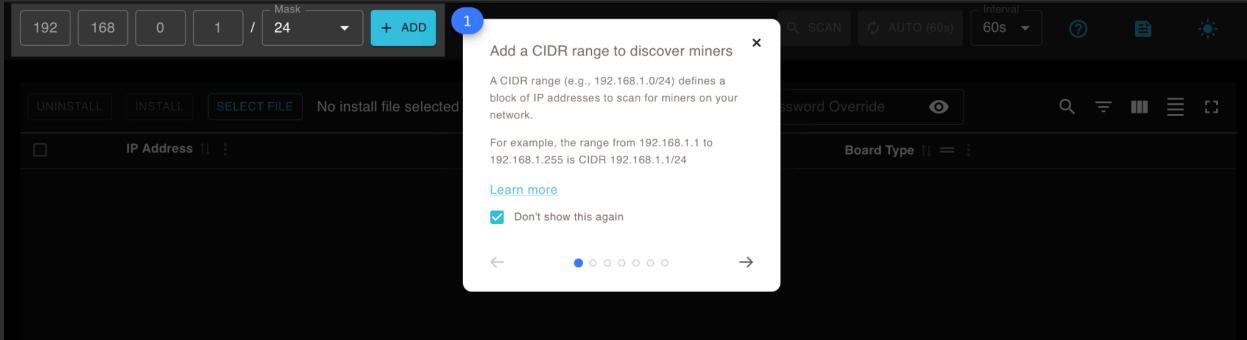


Open the app again and click “Open Anyway”

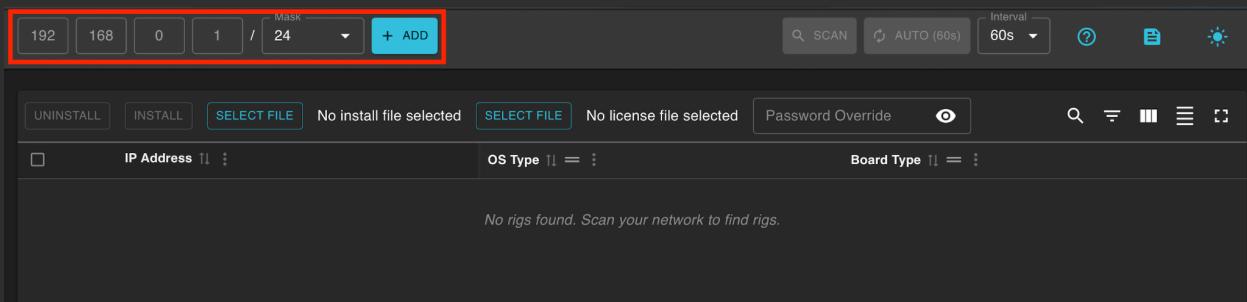


## Instruction

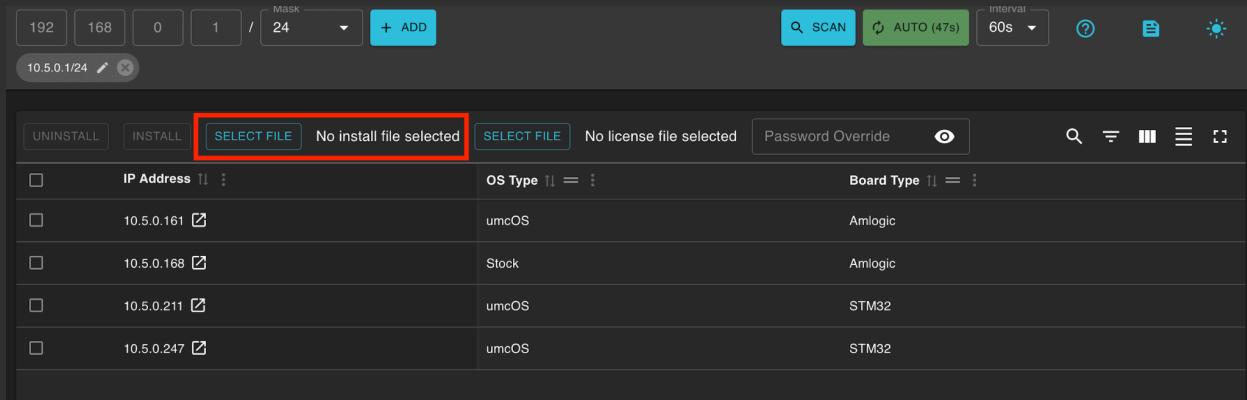
1. Open the **RigRunner** application. Refer to the interactive user guide for more details.



2. Enter your IP address(s) to detect miners on your network.



4. Once your miners are detected, click “SELECT FILE” to upload **UMC OS** firmware.

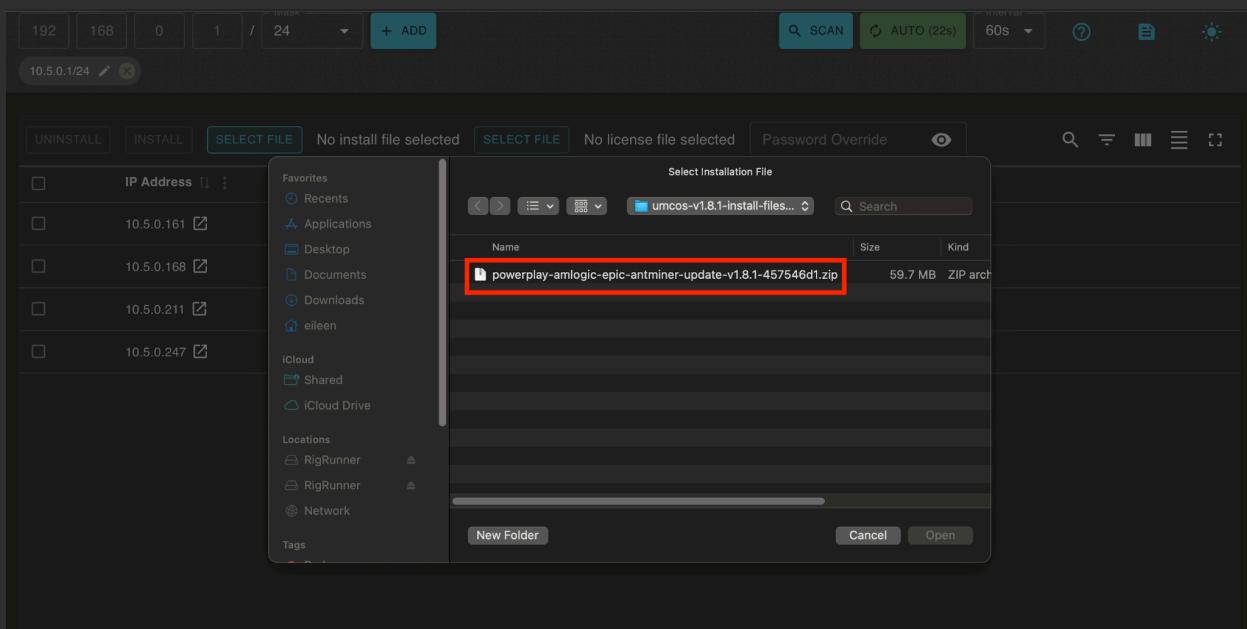


The screenshot shows the ePIC software interface. At the top, there are input fields for IP address (192, 168, 0, 1), subnet mask (24), and a '+ ADD' button. To the right are buttons for 'SCAN' (blue), 'AUTO (47s)' (green), and 'Interval' (set to 60s). Below these are icons for help, export, and other settings. The main area displays a table of detected miners:

<input type="checkbox"/> IP Address	OS Type	Board Type
10.5.0.161	umcOS	Amlogic
10.5.0.168	Stock	Amlogic
10.5.0.211	umcOS	STM32
10.5.0.247	umcOS	STM32

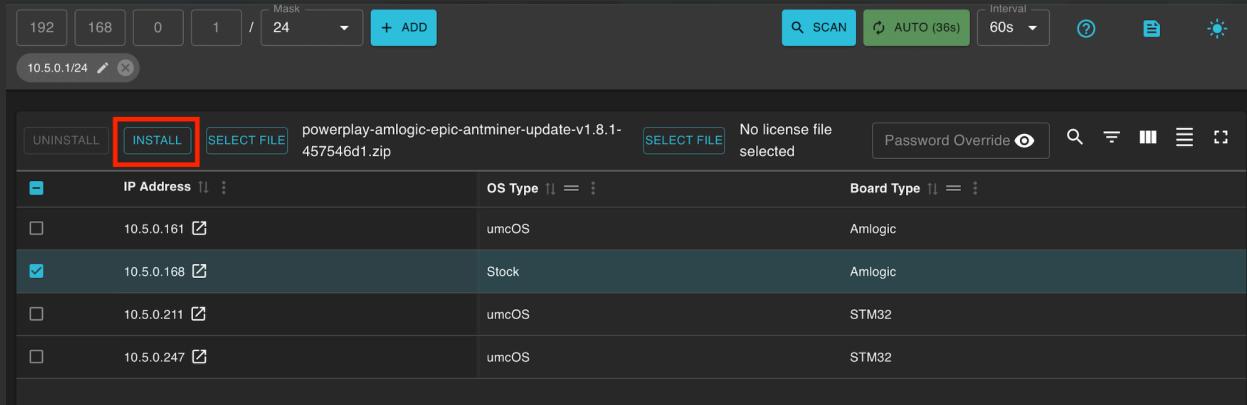
5. Upload the downloaded **UMC OS** firmware from ePIC Github:

<https://github.com/epicblockchain/umcos-antminer>



The screenshot shows the ePIC software interface with a file selection dialog open. The left sidebar shows a list of locations: Favorites (Recents, Applications, Desktop, Documents, Downloads, eileen), iCloud (Shared, iCloud Drive), Locations (RigRunner, Network), and Tags. The main area shows a 'Select Installation File' dialog with a list of files. One file, 'powerplay-amlogic-epic-antminer-update-v1.8.1-457546d1.zip', is selected and highlighted with a red box. The dialog includes a search bar and buttons for 'Cancel' and 'Open'.

6. Select the miner(s) with Amlogic board type that you wish to install **UMC OS** on, then click "INSTALL"

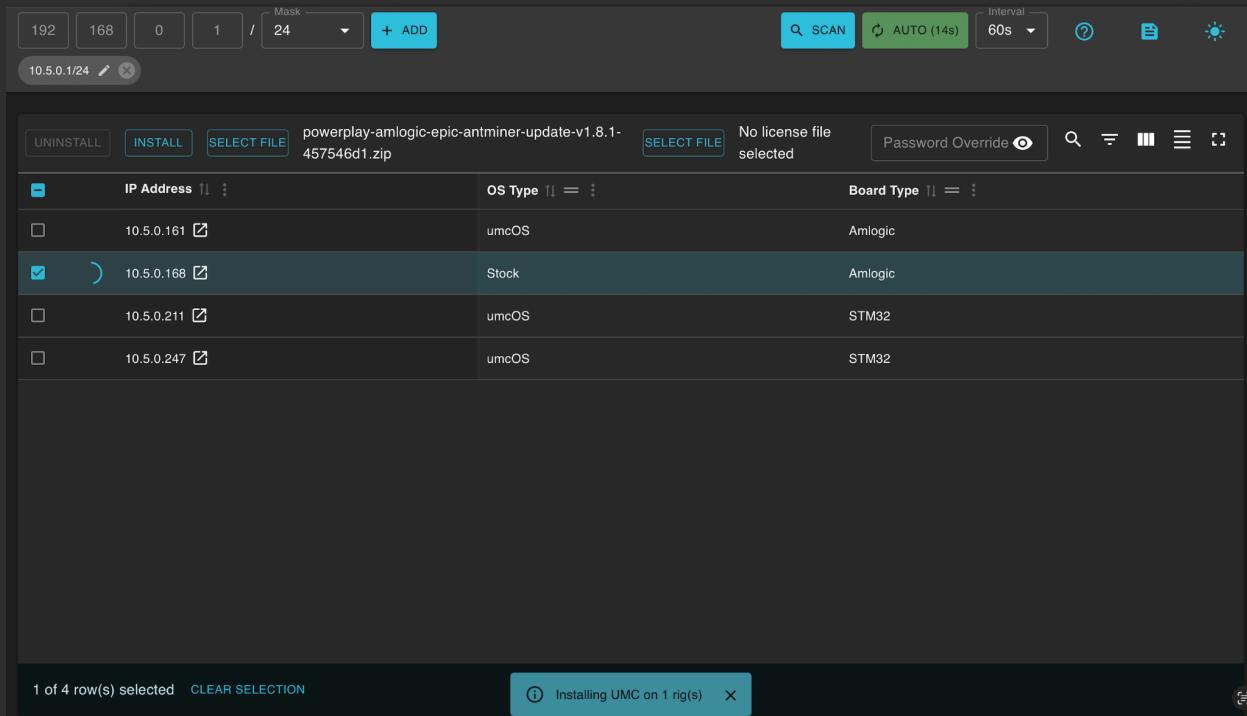


The screenshot shows the ePIC web interface for managing miners. At the top, there are input fields for IP address ranges (192.168.0.1 to 192.168.0.24), a '+ ADD' button, and a 'SCAN' button. Below these are buttons for 'AUTO (36s)', 'Interval' set to '60s', and various status indicators. The main area displays a table of miners:

	IP Address	OS Type	Board Type
<input type="checkbox"/>	10.5.0.161	umcOS	Amlogic
<input checked="" type="checkbox"/>	10.5.0.168	Stock	Amlogic
<input type="checkbox"/>	10.5.0.211	umcOS	STM32
<input type="checkbox"/>	10.5.0.247	umcOS	STM32

The 'INSTALL' button is highlighted with a red box. Above the table, there are buttons for 'UNINSTALL', 'SELECT FILE' (with 'powerplay-amlogic-epic-antminer-update-v1.8.1-457546d1.zip' selected), 'SELECT FILE' (disabled), 'No license file selected', and 'Password Override'.

7. Do not close the application during installation.. After the installation is complete, refresh the web page to ensure everything is running properly.



This screenshot shows the same ePIC interface after the 'INSTALL' button was clicked. The 'INSTALL' button is still highlighted in red. A progress bar at the bottom indicates 'Installing UMC on 1 rig(s)'. The table of miners remains the same, with the '10.5.0.168' row being processed. The status bar at the bottom left shows '1 of 4 row(s) selected' and 'CLEAR SELECTION'.

## Demo

Click [here](#) to watch our demo video on ePIC Github.

## ePIC Webdash

### Control Panel

 <b>RESET TO DEFAULT</b>	 <b>STOP MINING</b>	 <b>START MINING</b>	 <b>RESTART</b>	 <b>REBOOT</b>	 <b>LOCK</b>
<b>RESET TO DEFAULT</b>					Sets the machine back to stock mode with reinstallation of the system
<b>STOP MINING</b>					Stops the miner from mining
<b>RESTART</b>					Restarts mining software without rebooting the miner
<b>REBOOT</b>					Turns miner off and back on Mining will restart once miner is turned back on
<b>LOCK</b>					Locks or unlocks the Webdash for security

**Unlocking Miner:** To access Webdash, the default password is ***letmein***

## Dashboard

View the status of a miner in real-time

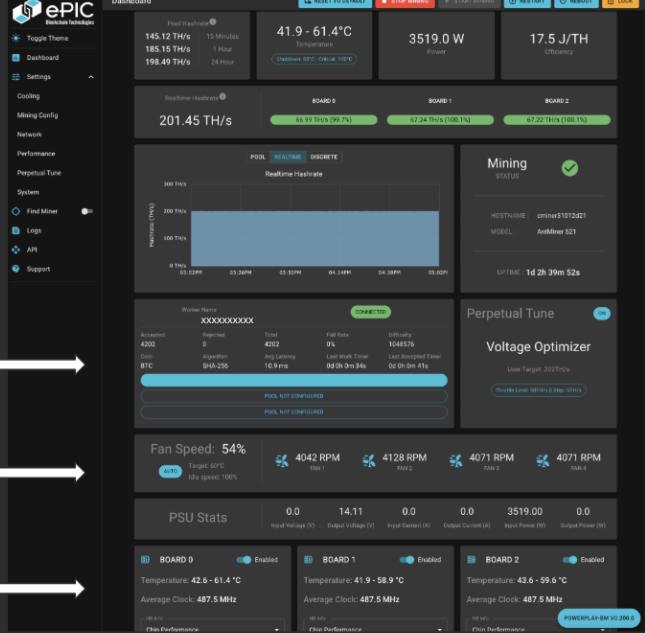
Configuration options



Real-time mining status



Pool status
Fan status
Hasboard information



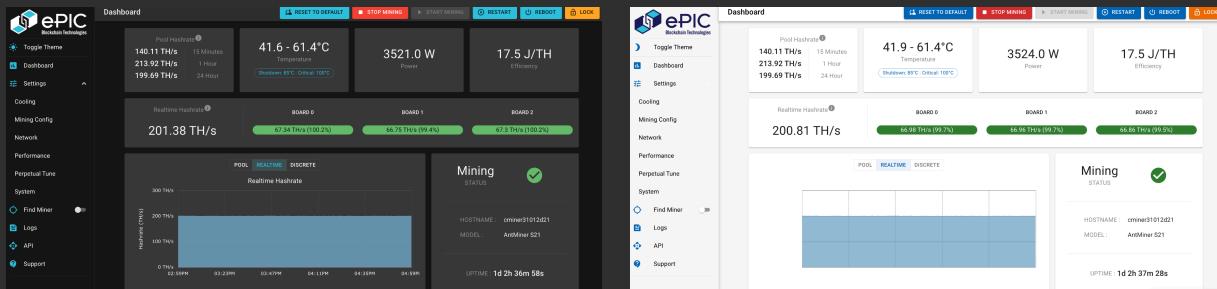
The dashboard provides a comprehensive overview of the miner's performance and system health. Key metrics include:

- Real-time Hashrate:** 201.45 TH/s
- Power:** 3519.0 W
- Efficiency:** 17.5 J/TH
- Mining Status:** Online (green)
- Uptime:** 1d 2h 39m 52s
- Perpetual Tune:** Enabled
- Voltage Optimizer:** User Target: 205TH/s
- PSU Stats:** Input Voltage (V), Output Voltage (V), Input Current (A), Output Current (A), Input Power (W), Output Power (W)
- Hasboard Information:** Temperature, Average Clock, Chip Performance

14

## Toggle Theme

Customize Webdash colour scheme to your preference



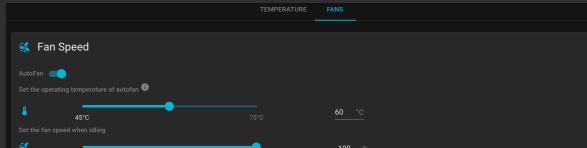
Dark Mode

Light Mode

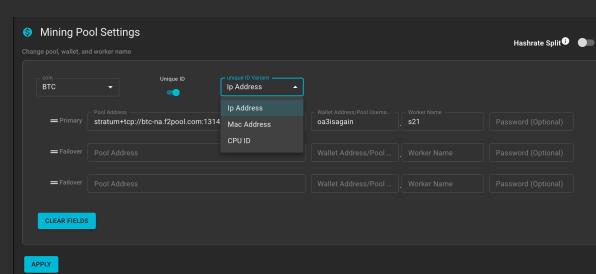
## Settings

Configure cooling, tuning and, networking options

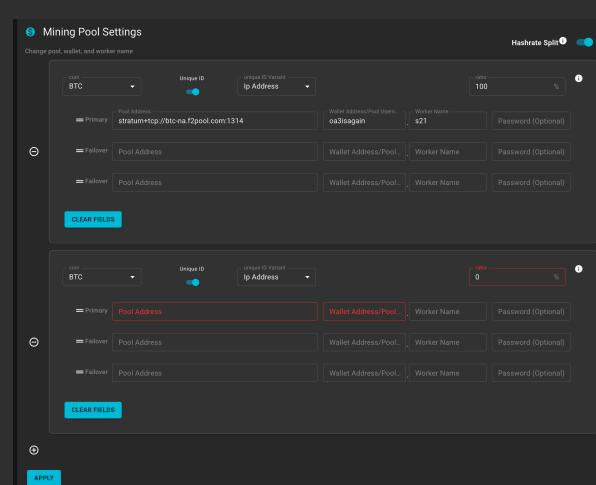
### Cooling

 <p><b>Temperature Guards</b> Manually set the temperature guards. Shutdown temperature is the temperature at which the miner will shut down and can self-restart to check if temperature has cooled. Critical temperature is the temperature at which the miner stays idle.</p>	<h3>TEMPERATURE</h3> <p>When the shutdown temperature is reached, the miner will throttle down and restart automatically. When the critical temperature is reached, the miner will remain idle.</p> <p>Note: It is recommended to keep the shutdown temperature below 95°C for safety</p>
 <p><b>Fan Speed</b> AutoFan: Set the operating temperature of autofan. Set the fan speed when idling.</p> <p><b>Minimum Working Fans Required</b> Get the minimum number of fans required to be running.</p>	<h3>FANS</h3> <p>Manually adjust the fan speed or enable <b>AutoFan</b>. The operating temperature can be set for AutoFan and specify the fan speed when idle.</p> <p>Note: Enabling AutoFan is recommended for better efficiency and safety.</p>

## Mining Config



The screenshot shows the "Mining Pool Settings" interface. It includes fields for selecting the coin (BTC), unique ID (Ip Address), and hash rate split (set to 100%). Primary pool information is provided: stratum+tcp://btc-na.ip2pool.com:1314, wallet address/pool user: calisagain, worker name: #21, and password (optional). Two backup pool slots are also present.

This screenshot shows the same interface but with a hash rate split of 100% assigned entirely to the primary pool. The backup pool fields are now empty.

### Mining Pool Settings

Fill in the main pool information along with 1-2 backup pools in case of disconnection from the pool.

Then click "Apply".

**"Unique ID"** will append a unique miner ID to the end of the worker name if enabled, in the format: *Worker\_address.Worker\_name-unique\_ID*

### Hashrate Split

Fill in the pool information along with 1-2 backup pools.

Set up to four groups, ensuring the total ratio equals **100**.

Note: If you split three groups equally as 33:33:33, the first group will receive the remainder, making the final distribution 34:33:33 instead.

## Network

### Network settings

DHCP

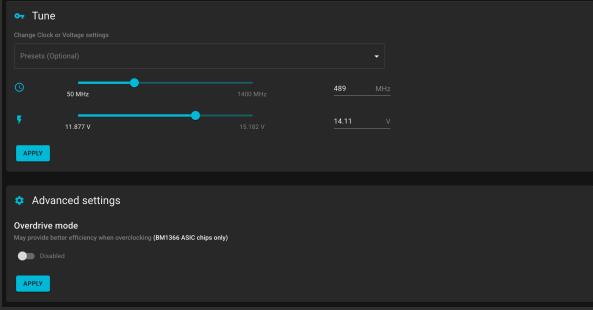
IP Address 10.5.0.172	MAC Address 60:17:A0:9A:16:27
DNS 10.5.0.1	DNS2 (optional)
Mask 255.255.255.0	Gateway 10.5.0.1

**APPLY**

**DHCP** is enabled by default.  
To set a **Static IP**, disable the DHCP toggle and enter the IP address, DNS, Mask and Gateway, then hit "APPLY".

Note: ePIC dashboard(management tool) does NOT support setting static IPs across multiple miners.

## Performance



**Tune**

Manually change the **clock** or **voltage** of the miner. Presets are only available in S19J, S19J Pro, S19J Pro+, S19 XP, S19K Pro, S21, S21 Pro, S21 XP and T21

**Advanced Settings**

**Overdrive Mode** provides the advantage of overclocking during Voltage Optimizer.

Only available in S19K Pro and S19 XP

## Perpetual Tune

Algorithms

RESET PERPETUAL TUNE STOP PERPETUAL TUNE

Voltage Optimizer 202 TH/s

Maintain the target hashrate by perpetually adjusting voltage for efficiency. The system automatically throttles down the user-specified target hashrate when the rig temperature is within 2°C of the shutdown temperature. Conversely, the target is throttled up to the user-defined hashrate when the rig temperature is 7°C lower than the shutdown temperature.

Target: 202 TH/s Min Throttle: 50 TH/s Throttle Step: 5 TH/s

60TH/s 300TH/s

Chip Tune 0 TH/s

Maintain the target hashrate by adjusting individual chip clocks to squeeze more performance while perpetually optimizing voltage for efficiency.

Board Tune (Experimental) 0 TH/s

Maintain the target hashrate by perpetually adjusting board clocks to improve performance while optimizing voltage for efficiency. Tuners faster than chip tune while providing improved performance compared to Voltage Optimizer.

APPLY

### Voltage Optimizer

Set the target hashrate, minimum throttle and throttle steps.

Voltage Optimizer maintains the target hashrate by adjusting **voltage**.

< 30 minutes to tune.

Note: When the miner's temperature is within 2°C of the shutdown temperature, it will throttle down. It will throttle back up once the miner's temperature drops 7°C below the shutdown temperature.

Algorithms

RESET PERPETUAL TUNE STOP PERPETUAL TUNE

Voltage Optimizer 202 TH/s

Maintain the target hashrate by perpetually adjusting voltage for efficiency. The system automatically throttles down the user-specified target hashrate when the rig temperature is within 2°C of the shutdown temperature. Conversely, the target is throttled up to the user-defined hashrate when the rig temperature is 7°C lower than the shutdown temperature.

Target: 202 TH/s Min Throttle: 50 TH/s Throttle Step: 5 TH/s

60TH/s 300TH/s

Chip Tune 0 TH/s

Maintain the target hashrate by adjusting individual chip clocks to squeeze more performance while perpetually optimizing voltage for efficiency.

Board Tune (Experimental) 0 TH/s

Maintain the target hashrate by perpetually adjusting board clocks to improve performance while optimizing voltage for efficiency. Tuners faster than chip tune while providing improved performance compared to Voltage Optimizer.

APPLY

### Chip Tune

Set the target hashrate, minimum throttle and throttle steps. Please note that the hashrate on the dashboard will be -10TH.

ChipTune maintains the target hashrate by adjusting **individual chip clocks** while perpetually optimizing voltage.

< 60 minutes to tune.

Note: When the miner's temperature is within 2°C of the shutdown temperature, it will throttle down. It will throttle back up once the miner's temperature drops 7°C below the shutdown temperature.

Algorithms

RESET PERPETUAL TUNE STOP PERPETUAL TUNE

Voltage Optimizer 202 TH/s

Maintain the target hashrate by perpetually adjusting voltage for efficiency. The system automatically throttles down the user-specified target hashrate when the rig temperature is within 2°C of the shutdown temperature. Conversely, the target is throttled up to the user-defined hashrate when the rig temperature is 7°C lower than the shutdown temperature.

Target: 202 TH/s Min Throttle: 50 TH/s Throttle Step: 5 TH/s

60TH/s 300TH/s

Chip Tune 0 TH/s

Maintain the target hashrate by adjusting individual chip clocks to squeeze more performance while perpetually optimizing voltage for efficiency.

Board Tune (Experimental) 0 TH/s

Maintain the target hashrate by perpetually adjusting board clocks to improve performance while optimizing voltage for efficiency. Tuners faster than chip tune while providing improved performance compared to Voltage Optimizer.

APPLY

### Board Tune

Set the target hashrate, minimum throttle and throttle steps.

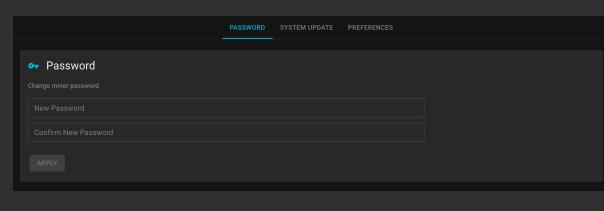
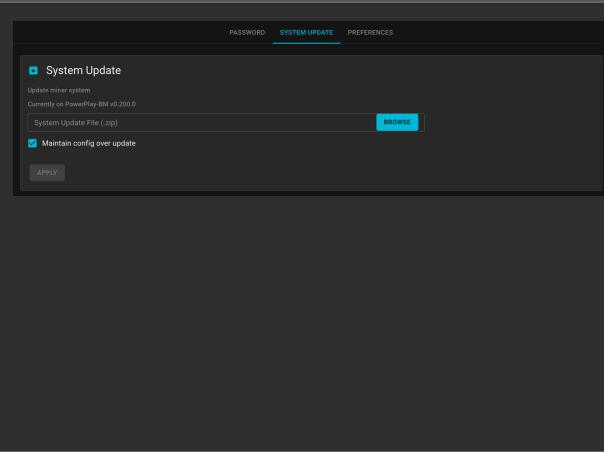
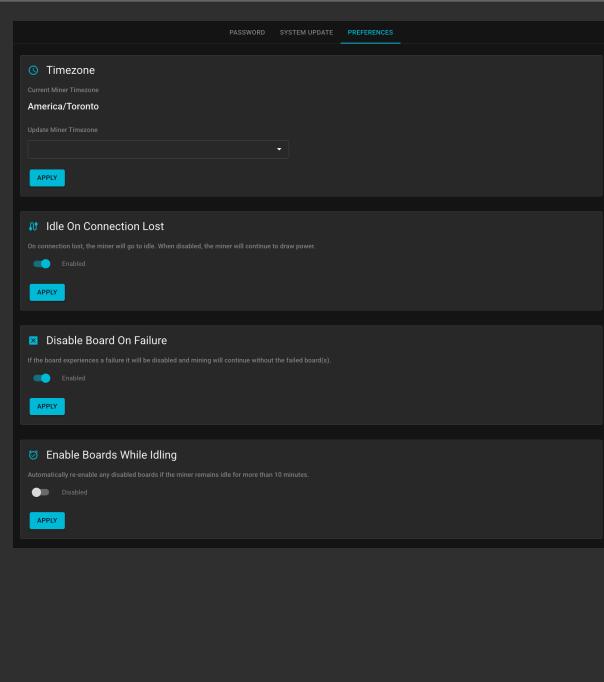
Board Tune maintains the target hashrate by adjusting **board clocks** while optimizing voltage

< 45 minutes to tune.

Note: When the miner's temperature is within 2°C of the shutdown temperature, it will throttle down. It will throttle back up once the miner's temperature drops 7°C below the shutdown temperature.

	Voltage Optimizer	ChipTune	Board Tune
Adjusting Variable	Voltage	Individual chip clocks	Board clocks
Duration	< 30min	< 60min	< 45min
Use Case	If you have multiple miners and want long-term stability	If you have a few miners and want to maximize performance in a short period of time	If you have an S21 with mixed hashboards and want to optimize performance

## System

	<h3>PASSWORD</h3> <p>Enter your new password, confirm it then click “APPLY”</p>
	<h3>SYSTEM UPDATE</h3> <ol style="list-style-type: none"> <li>1. Download the latest release of the firmware from <a href="#">ePIC Github</a></li> <li>2. Download the .zip file <code>powerplay-xxxx-update-vxxxxxxxx.zip</code></li> <li>3. Upload it, then click “APPLY”</li> </ol> <p>Note: The “Maintain config over update” will save your settings across the update. Your miner will take a few minutes to reboot and recalibrate.</p>
	<h3>Idle On Connection Lost</h3> <p>Enabled means the miner will be stopped and be put in an idle state until network connection is re-established. Disable if consistent power draw is required.</p> <h3>Disable Board On Failure</h3> <p>If the board experiences a failure, it will be disabled and mining will continue without the failed board(s).</p> <h3>Enable Boards While Idling</h3> <p>If the miner remains idle for more than 10 minutes, it will automatically re-enable any disabled boards.</p>



## Find Miner

Turn on the  
“Find Miner” toggle.  
Your miner will be  
flashing red light

Indicates that your miner will be flashing red light

## Logs

Turn “Logs”  
toggle on

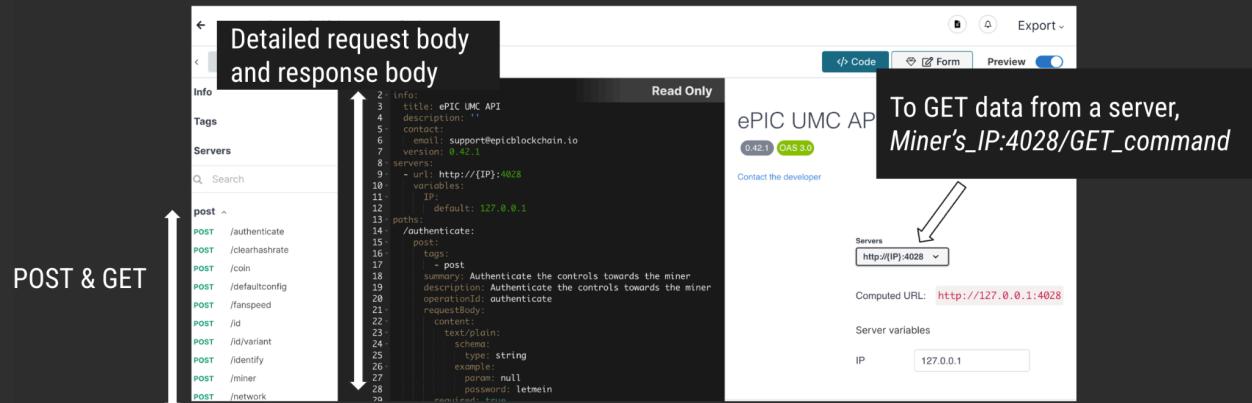
Real-time log

Download the logs

Scroll to bottom

Close the logs

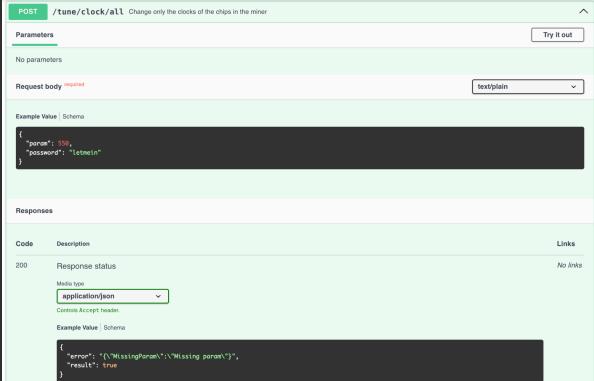
## API



The screenshot shows a detailed view of an API endpoint. On the left, there's a sidebar with 'POST & GET' selected. The main area displays a 'Detailed request body and response body' section. The request body is a JSON object with fields like 'password' and 'username'. The response body is a schema definition for a 'clock' object. A large arrow points from the top of the request body down to the bottom of the response body.

Click [here](#) for ePIC API Documentation

**Example**



**POST: /tune/clock/all**  
Changing the clocks of the chips in the miner

1. Click "Try it out"
2. Enter the desired value in the Request Body
3. Click "Execute"
4. Check the Response Body

**POST: /tune/clock/all**  
Changing the clocks of the chips in the miner

1. Click "Try it out"
2. Enter the desired value in the Request Body
3. Click "Execute"
4. Check the Response Body

**GET: /clocks**  
Returning the clock per chip

1. Click "Try it out"
2. Click "Execute"
3. Check the Response Body

OR

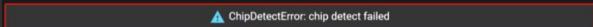
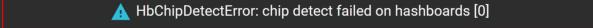
1. Miner's\_IP:4028/clocks  
Click "Pretty-print" at the top left corner

## Troubleshoot

### BoardTypeUndefined

	<p>This error indicates that the board type might be a different variant that hasn't been added to the ePIC firmware.</p> <p>Please contact <a href="mailto:support@ePICblockchain.io">support@ePICblockchain.io</a> and include information about the model type and configuration you have the UMC installed on.</p>
---	--

### ChipDetectError & HbChipDetectError

 	<p>This error indicates there is no communication from the chip on either a specific hashboard or from all hashboard. This can be due to various reasons, such as PSU overheating, loose connections, or hardware malfunction.</p>
<ol style="list-style-type: none"><li>1. Disable individual Hashboards:<ol style="list-style-type: none"><li>a. Inspect the logs or disable hashboards and enable them one by one to identify the malfunctioning hashboard and replace it.</li></ol></li><li>2. Perform SD card Recovery:<ol style="list-style-type: none"><li>a. If the problem continues, perform SD recovery to force update the firmware image,</li></ol></li><li>3. Swap to Stock Control Board:<ol style="list-style-type: none"><li>a. If the issue persists, replace the UMC board with the stock control board to verify the functionality of all hashboards.</li></ol></li></ol>	

### Example:

```

2023-11-28 16:44:13 |[bm_miner::controller][INFO] - found chip id 1362
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - found chip id 1362
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - found chip id 1362
2023-11-28 16:44:13 |[bm_miner::minerctl][INFO] - chip detect type results: ((0, Some(Bm1362)), (1, Some(Bm1362)), (2, Some(Bm1362)))
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - all boards detected as: Bm1362
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - Detecting chip count
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - Setting m4 settings to 115200, 8, 9
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - Setting m4 settings to 115200, 8, 9
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - Setting m4 settings to 115200, 8, 9
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - found 1x4 chips
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - found 1x8 chips
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - found 108 chips
2023-11-28 16:44:13 |[bm_miner::controller][INFO] - chip detect count results: [(0, Some(104)), (1, Some(108)), (2, Some(108))]
2023-11-28 16:44:13 |[bm_miner::controller::miner][WARN] - dropping GenericMiner
2023-11-28 16:44:13 |[miner_utils][WARN] - miner start failed with error: chip detect failed
2023-11-28 16:44:13 |[miner_utils][WARN] - sleeping 30sec
2023-11-28 16:44:27 |[bm_miner::perpetualtime][WARN] - initialize perpetualtime: miner model in capabilities is detected as undefined
2023-11-28 16:44:31 |[miner_utils::config][INFO] - Using input file: /root/config.toml
2023-11-28 16:44:43 |[miner_utils::config][INFO] - path in GlobalConfig "/root/Config.toml"
2023-11-28 16:44:43 |[miner_utils::config][INFO] - loading file hw_config
2023-11-28 16:44:44 |[miner_utils::config][INFO] - Detecting board type
2023-11-28 16:44:45 |[bm_miner::controller::identifier][INFO] - Detecting board type
2023-11-28 16:44:45 |[bm_miner::controller::identifier][WARN] - dropping GenericIdentifier
2023-11-28 16:44:45 |[bm_miner::minerctl][INFO] - board type detected: BmSerialBC

```

In this case, only board 0 has 104 of chip counts when both board 1 and board 2 have 108 chip counts, causing chip detect failed

### ChipDetectTimeout

⚠ ChipDetectTimeout: chip detect timed out because of uart

When all HBs are timing out, it usually indicates the hashboards are not receiving power from the PSU

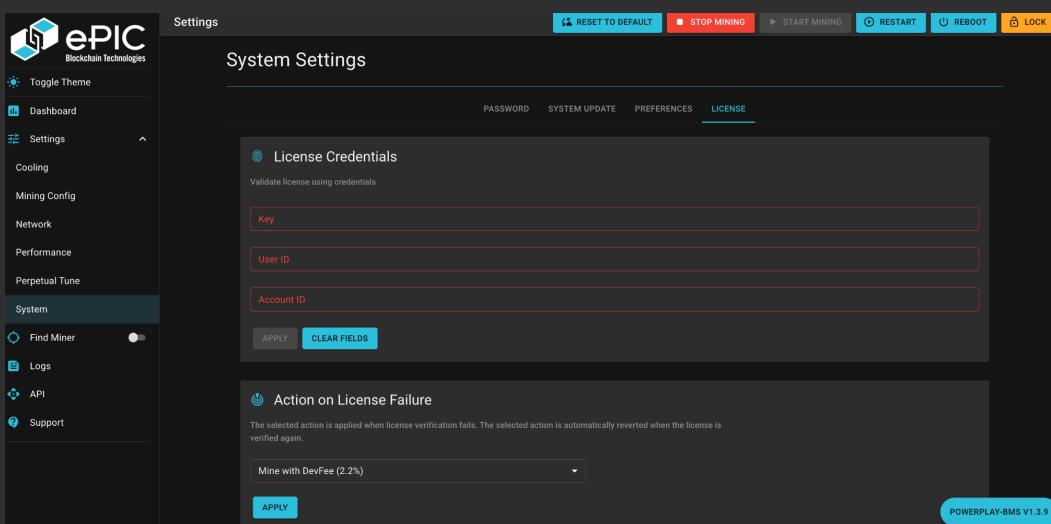
1. Check the ambient temperature. It should NOT exceed 40 degrees, the PSU has a internal shut off when overheating
2. Reseat all the Hasboard Connectors
3. If the issue persists, replace the PSU with a working one
4. If the PSU is known working, and HBs are still not detected, all 3 HBs may need repair

### General Solutions for Hashboard Errors

1. Ensure all Hashboards are Connected as well as the PSU
2. Reset to Default to ensure FW is in a good state
3. If all HBs are not responding, replace PSU to ensure HBs are getting power
4. Disable HBs based on log to isolate which HB may need repair

## FAQ

1. Where can I obtain a license key?
  - a. Contact [license@epicblockchain.io](mailto:license@epicblockchain.io) for licensing options.
  
2. How do I apply the license key
  - a. Navigate to Settings > System > License Key.
  - b. Enter the license key (obtained from keygen), User ID, and Account ID.



3. What happens when the license expires?
  - a. Mining will automatically default to a set dev fee.
  
4. What are my options if I choose not to obtain a license?

### Action on License Failure

The selected action is applied when license verification fails. The selected action is automatically reverted when the license is verified again.

- a. **Mine with DevFee:** You will retain 97.5% of the total hashrate.
- b. **Stop Submission to the Pool:** Mining will continue (drawing power), but no submissions will be made to the pool.
- c. **Stop Mining:** All mining activity will cease, and the system will remain idle.

# Have a question?

## Website

<https://epicblockchain.io/support/>

## Email

[Support@epicblockchain.io](mailto:Support@epicblockchain.io)

## Github

<https://github.com/epicblockchain>

## Twitter

<https://twitter.com/ePICBlockchain>

## Telegram

[https://t.me/epic\\_umc](https://t.me/epic_umc)