

AlcheMiner Ltd.

Alchemist User Manual

V1.1

Start Mining

Every Alchemist has built-in control board, so it can mine independently as long as you supply electricity power and the Internet connection.

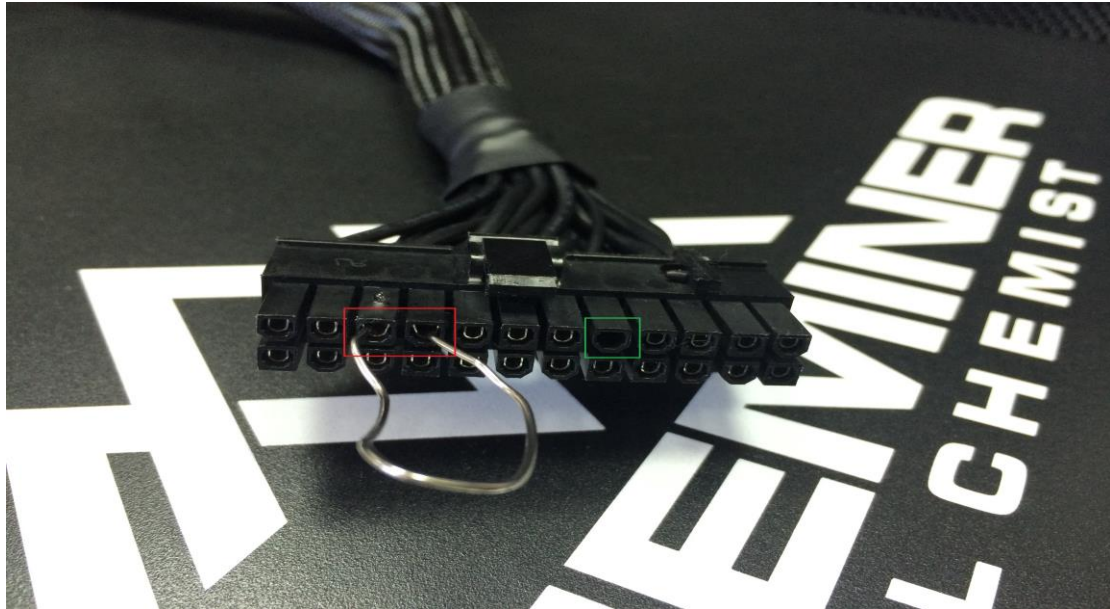
● Power Setting



As the figure shows, Alchemist has 9 PCI-E 8-pin plugs. The plug furthest from the Ethernet plug is the power plug for the control board. The remaining 8 plugs are dedicated for mining boards. Since there is no 24-pin plug in Alchemist, users need to short the 2nd and the 3rd pins by using paperclip (Shown as the red rectangle on the following picture. Please note that it is in the same row as the blank ping.) Consequently, users could power on/off the miner by using the power switch of the PSU.

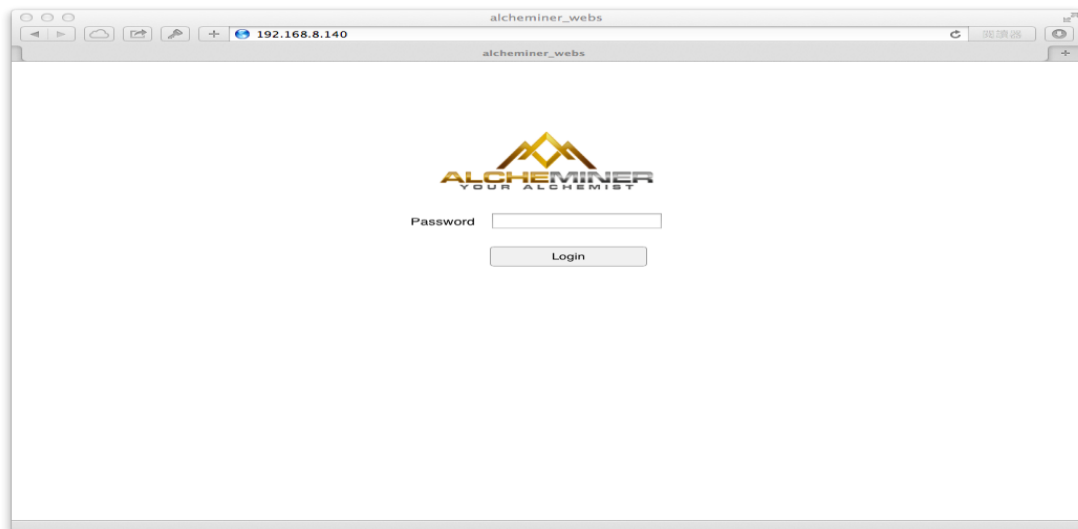
(Note: Users can use multiple PSUs to provide power to Alchemist. But the total power consumed cannot go over the upper limit of the total power supplied by all

the PSUs. Since the power consumption of the Alchemist varies according to the room temperature and other factors, it is important to leave margins for safety reason. Therefore, when purchasing PSUs, please calculate total power based on the assumption: (1) 130W for the control board; (2) 300W for the mining board.))



● Mining Webpage

-Admin

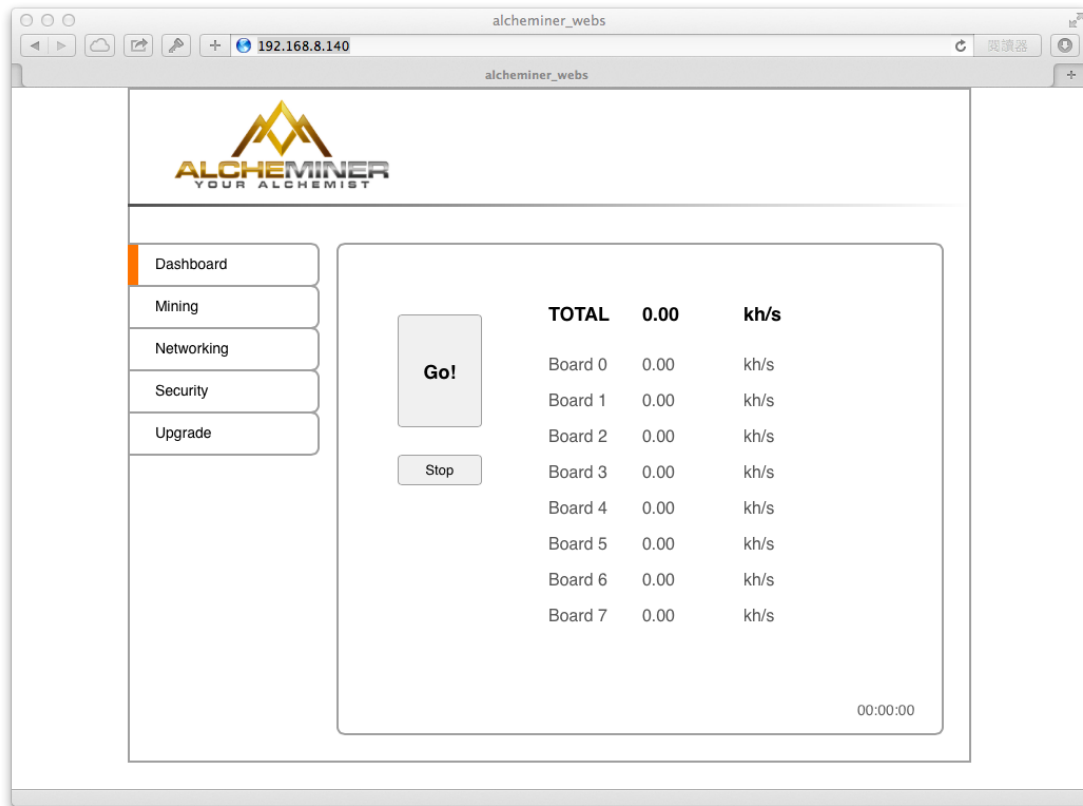


It takes around one minute for Alchemist to initiate before it starts mining automatically. Please ensure that Alchemist is connected to LAN or fixed IP address before you start.

The current IP address will show up on the LCM on the front side of the machine case (as shown in the figure below). Please connect an Internet device to the same LAN. Open the browser on this Internet device and key in the IP address shown on the LCM of Alchemist. Key in the default password "admin" and click on "Login," you will enter the web control interface.



-Dashboard

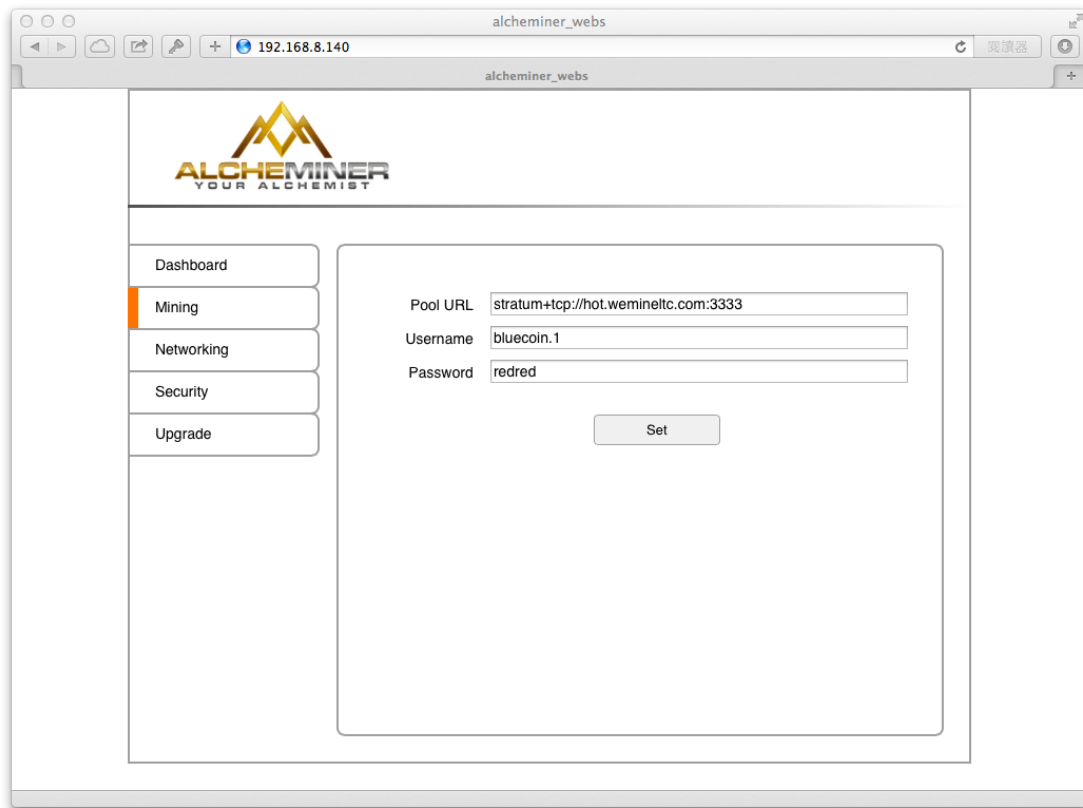


The screenshot shows a web browser window with the URL `192.168.8.140` and the page title `alcheminer_webs`. The dashboard features the Alcheminer logo at the top, which includes a stylized mountain range and the text "ALCHEMINER YOUR ALCHEMIST". On the left side, there is a vertical navigation menu with buttons for "Dashboard", "Mining", "Networking", "Security", and "Upgrade". The "Dashboard" button is currently selected. The main content area displays a "Go!" button and a "Stop" button. Below these buttons is a table showing the mining status for eight boards. The table has three columns: "TOTAL", "0.00", and "kh/s". The "TOTAL" column is currently empty, and the "0.00" and "kh/s" columns show the hash rate for each board. A timer at the bottom right of the table area shows "00:00:00".

	TOTAL	0.00	kh/s
Board 0	0.00	0.00	kh/s
Board 1	0.00	0.00	kh/s
Board 2	0.00	0.00	kh/s
Board 3	0.00	0.00	kh/s
Board 4	0.00	0.00	kh/s
Board 5	0.00	0.00	kh/s
Board 6	0.00	0.00	kh/s
Board 7	0.00	0.00	kh/s

Alchemist will enter into the mining mode once it is powered on. The dashboard will show the hash rate of each mining daughter board. It takes a while for the hash rate to reach a stable value. You can control the operation of Alchemist by clicking on "Go!" and "Stop" button on this page.

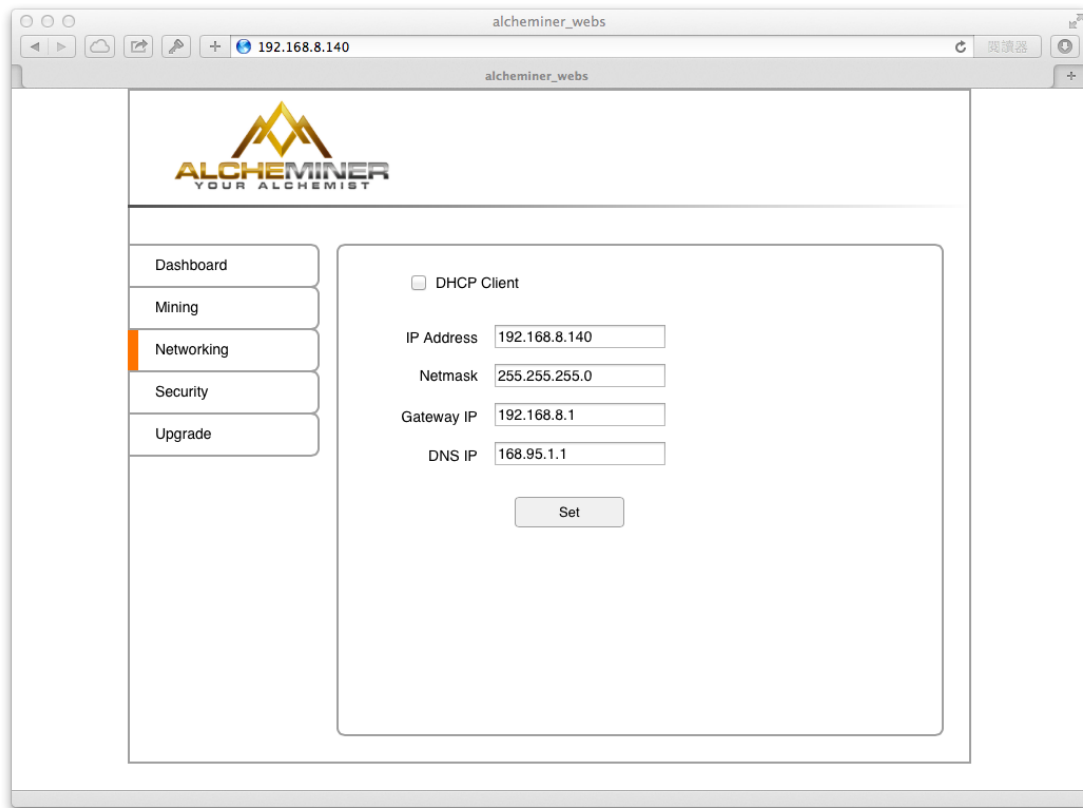
-Mining



The screenshot shows a web browser window titled "alcheminer_webs" with the address bar displaying "192.168.8.140". The page features the Alcheminer logo at the top, which consists of a stylized mountain range above the text "ALCHEMINER" and "YOUR ALCHEMIST". On the left side, there is a vertical navigation menu with five items: "Dashboard", "Mining" (highlighted with an orange bar), "Networking", "Security", and "Upgrade". The main content area is a form for configuring mining settings. It contains three input fields: "Pool URL" with the value "stratum+tcp://hot.wemineltc.com:3333", "Username" with the value "bluecoin.1", and "Password" with the value "redred". Below these fields is a "Set" button.

Please key in the mining pool that you want to join under the “POOL URL” column. Please note that http pools need to use the format of “**http:// POOL LINK : PORT.**” Stratum pools need to key in “**stratum+tcp:// POOL LINK : PORT.**” Please follow the request to key in the “USER NAME” and “Password” column.

-Networking



The screenshot shows a web browser window with the URL 192.168.8.140. The page title is "alcheminer_webs". The Alcheminer logo is at the top left, with the tagline "YOUR ALCHEMIST". A sidebar on the left contains navigation buttons: Dashboard, Mining, Networking (highlighted), Security, and Upgrade. The main content area is titled "DHCP Client" and contains the following fields:

<input type="checkbox"/> DHCP Client	
IP Address	192.168.8.140
Netmask	255.255.255.0
Gateway IP	192.168.8.1
DNS IP	168.95.1.1

A "Set" button is located below the form fields.

If you use fixed IP, please fill in the correct information in each column.

If "DHCP client" is checked, system will automatically assign an IP to the miner.

The IP will show up on the LCM on the front side of machine case.

-Security



Dashboard	<p>Old password <input type="text"/></p> <p>New password <input type="text"/></p> <p>Confirm new password <input type="text"/></p> <p><input type="button" value="Set"/></p>
Mining	
Networking	
Security	
Upgrade	

Default password is "admin". Users can change the password if they want to.

-Upgrade



Dashboard	<p>File: <input type="button" value="Choose File"/> no file selected</p> <p><input type="button" value="Upload"/></p>
Mining	
Networking	
Security	
Upgrade	

The upgrade file will be put on the official website. You can download the file to local device and choose file upload. The miner will be upgraded automatically.