

INSTRUCTIONS FOR SETTING UP YOUR MINER

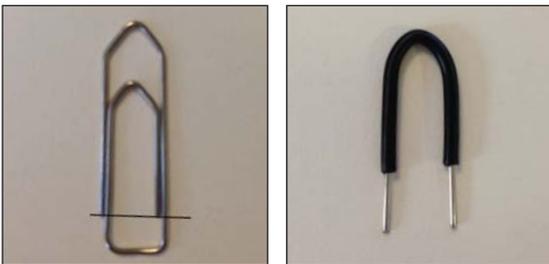
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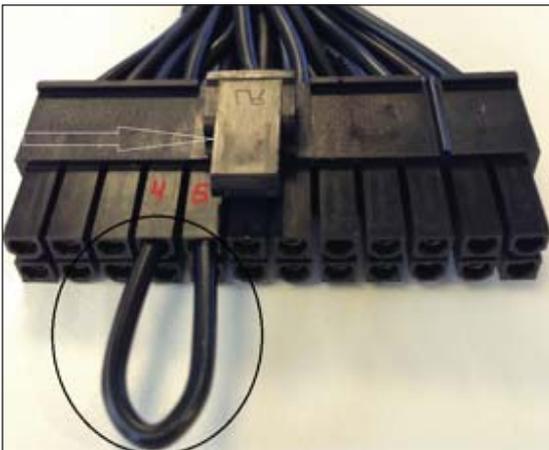
Power supply setup and ASIC + controller board configuration

01 Ensure your miner is not connected to the power supply. As power supplies are designed for machines with an on/off switch, you will need to *jump the power supply*.

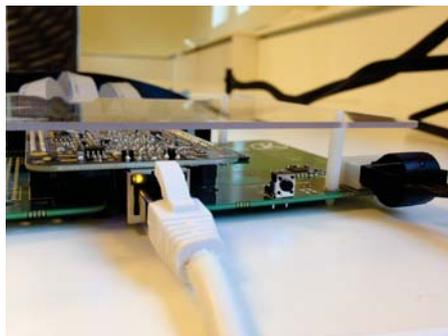
02 Cut a paper clip and top it with electrical tape or a form of plastic electrical shielding.



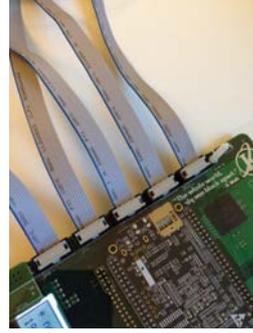
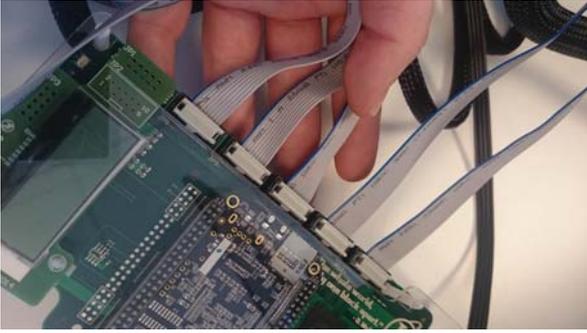
03 Use the paper clip or 24pin ATX bridge to *connect pins 4 and 5* next to the clip on the top of the 24pin connector.



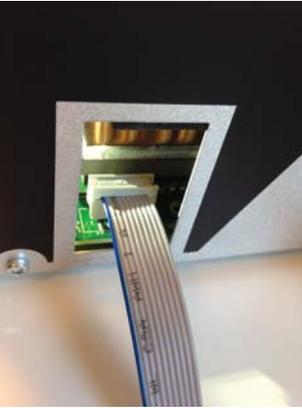
04 Connect the 4pin Molex to the controller board and Ethernet cable as displayed in the image below. **Note: The controller board should be placed on a Non-conductive surface.**



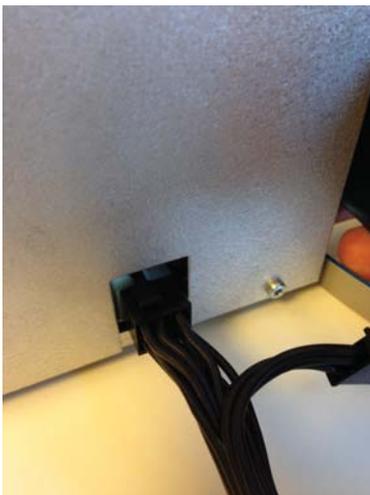
05 *Connect the flat ribbon cables as shown below. Support the board underneath the slots when pressing the cables in, to stop the board from bending.*



06 *Connect the other end of the flat ribbon cable to the ASIC board as shown below. Ensure that the connector is correctly placed on all 10 pins.*



07 *Connect the 6 pin PCI-E power connector to the ASIC as shown below. Ensure that the plug is correctly seated and secure. Always use 1 PCI-E cable per ASIC board.*



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FINDING THE IP ADDRESS OF YOUR MINER

As the miner is by default using DHCP, it will automatically be assigned an IP address when first connected to your network. The IP address will be displayed on the LCD screen on the controller board. Once the IP address has been identified, **enter this into your web browser** and **enter the user name 'admin' and password 'admin'**.

STATUS

This screen displays the current statistics of the miner including the average hash rate. You can also view the current temperature of each ASIC and their slot positions within the miner.



Mining Status		IHW Status	
CGMiner Status	Running (pid=15920)	ASIC slot #1	61.5 °C
Last Checked	Wed Nov 20 13:40:57 UTC 2013	ASIC slot #2	-
Avg Hash Rate	205 Gh/s	ASIC slot #3	55.0 °C
WU	3987	ASIC slot #4	-
Difficulty Accepted	259412	ASIC slot #5	-
		ASIC slot #6	-

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MINING

This screen allows you to configure the miner's parameters.

Pool URL – In this field you should **enter the URL of your desired pool**.

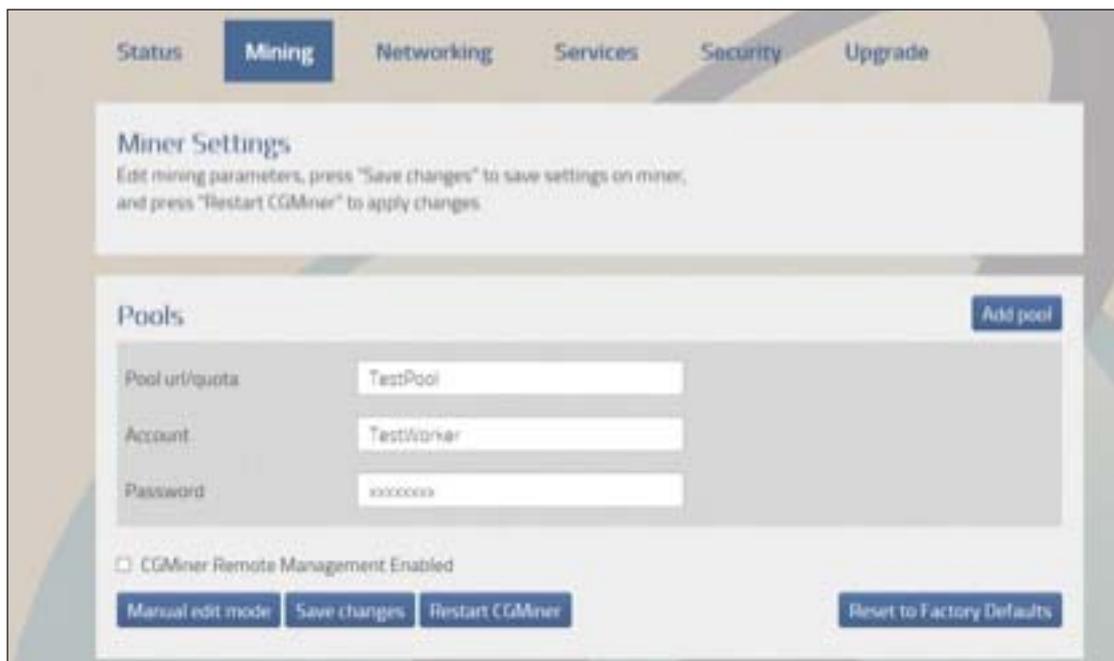
Account – This is your worker ID on the selected pool

Password – This is the password for your selected worker

You can add a secondary backup pool by simply clicking the 'Add Pool' button. The pool at the top of the list is always the primary pool.

After saving any changes you must then restart CGMiner by clicking the "Restart Miner" button.

The 'Reset to Factory Defaults' button resets all pool configuration, network settings, services settings and security settings to that of which the miner was originally shipped with.



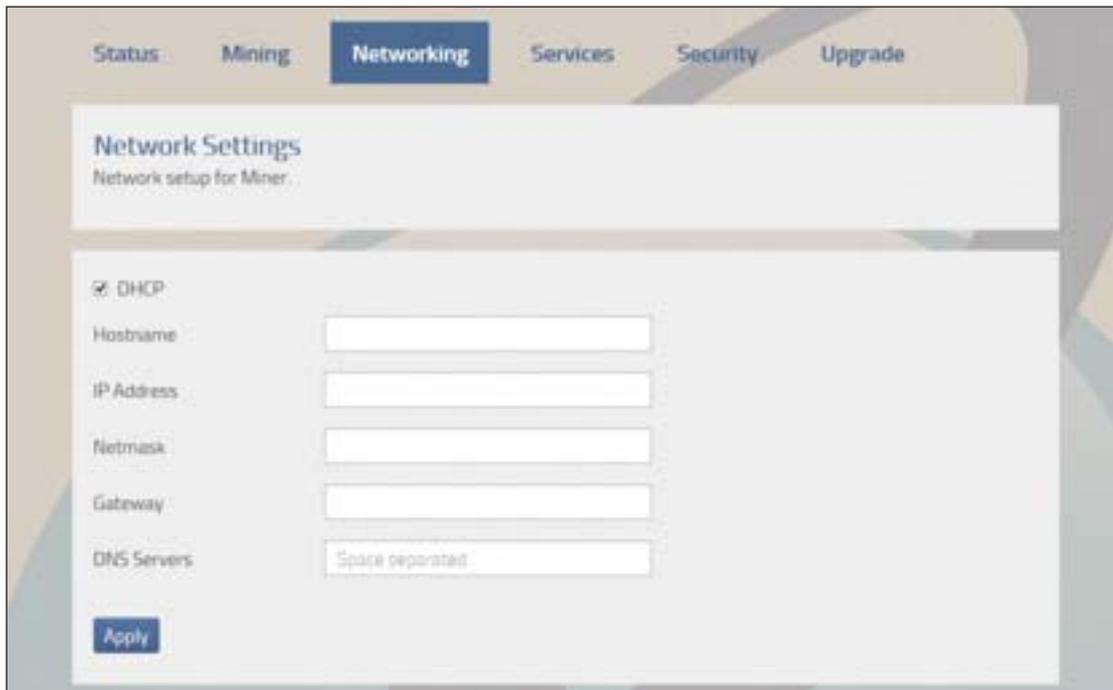
The screenshot shows the 'Mining' tab in the KnCMiner web interface. At the top, there are navigation tabs: Status, Mining (selected), Networking, Services, Security, and Upgrade. Below the tabs is a 'Miner Settings' section with the instruction: 'Edit mining parameters, press "Save changes" to save settings on miner, and press "Restart CGMiner" to apply changes'. The main area is titled 'Pools' and contains an 'Add pool' button. There is one pool entry with the following fields: 'Pool url/quota' containing 'TestPool', 'Account' containing 'TestWorker', and 'Password' containing 'xxxxxxxx'. Below the pool entry is a checkbox labeled 'CGMiner Remote Management Enabled' which is currently unchecked. At the bottom of the form are four buttons: 'Manual edit mode', 'Save changes', 'Restart CGMiner', and 'Reset to Factory Defaults'.

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NETWORKING

This screen allows you to **configure the network settings of the miner.**

DHCP is set by default. To enable a static IP address **uncheck this box** and **enter the desired settings.**



The screenshot shows the 'Networking' tab selected in the top navigation bar. Below the navigation bar, the 'Network Settings' section is visible, with the subtitle 'Network setup for Miner'. A checkbox labeled 'DHCP' is checked. Below this, there are five input fields: 'Hostname', 'IP Address', 'Netmask', 'Gateway', and 'DNS Servers'. The 'DNS Servers' field has a placeholder text 'Space separated'. An 'Apply' button is located at the bottom left of the form area.

SERVICES

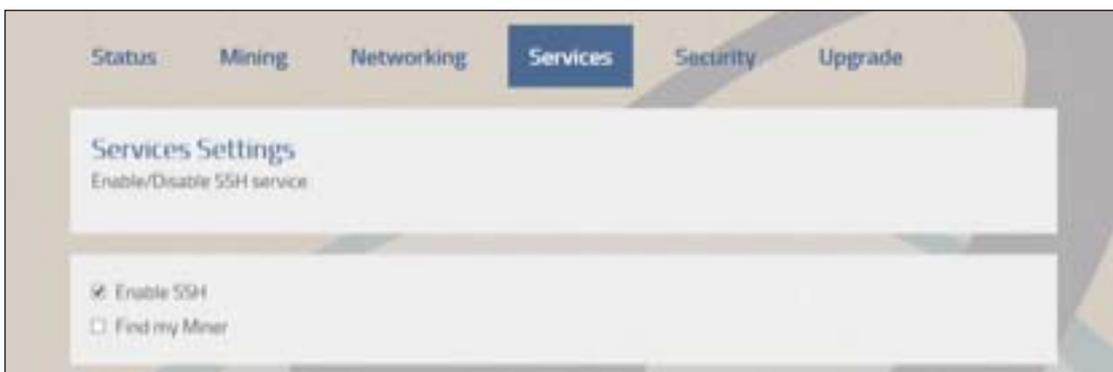
This screen allows you to **enable or disable SSH** (Secure Shell) on the miner.

The default login for SSH:

Username = **root**

Password = **admin**

The 'Find my Miner' check box allows you to identify which miner you are accessing (if you have several) by omitting a bright flashing LED light from within the miner. Uncheck this function to stop the LED from flashing.



The screenshot shows the 'Services' tab selected in the top navigation bar. Below the navigation bar, the 'Services Settings' section is visible, with the subtitle 'Enable/Disable SSH service'. There are two checkboxes: 'Enable SSH' which is checked, and 'Find my Miner' which is unchecked.

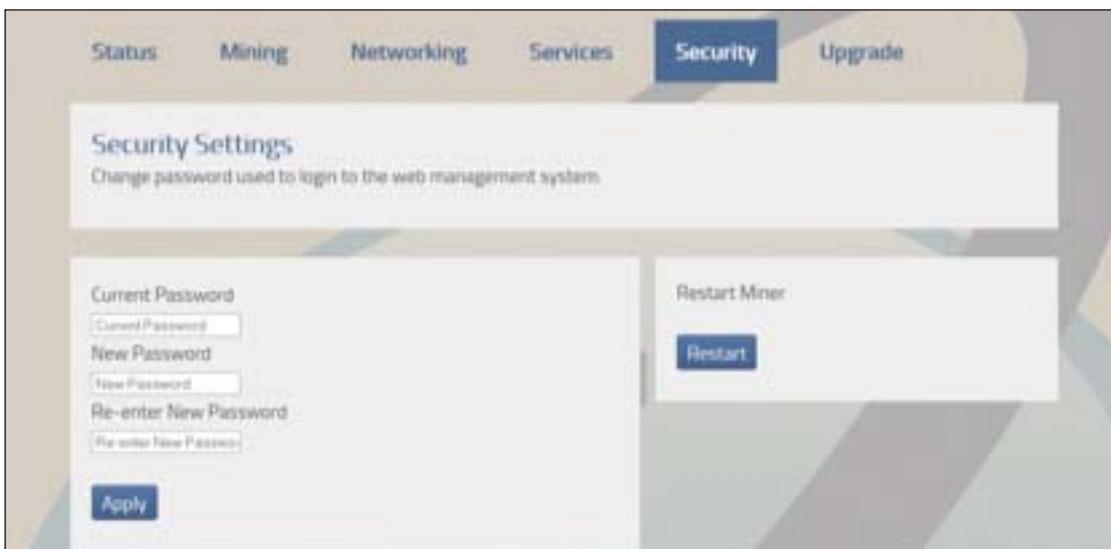
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SECURITY

This screen allows you to **reset the password** used to enter the web interface. Please note that if you change the password here, it will also change the password for the SSH access. However, if you change the password using SSH, this will only change the password for SSH access.

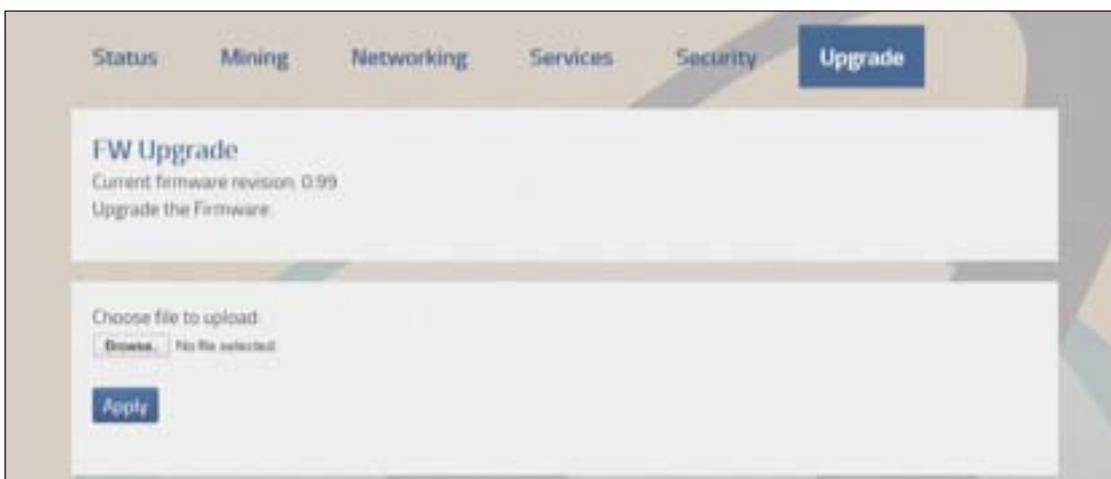
There is also the option to restart your miner from the web interface.

Please take time to read the disclaimer at the foot of this page.



UPGRADE

Through this screen you will be able to **update your miner's firmware**. When an update is released it will be available for download on the KnCMiner website. Once downloaded, simply **browse to the file and hit 'Apply'**. This will automatically update the current firmware on the miner.



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HARD RESET

The miner is equipped with a hard reset button. This is located next to the power input on the controller board. To perform a hard reset on the miner you must ***press the button 5 times consecutively, wait 5 seconds, and then press the button a further 5 times.*** Please note that the miner will not restart.