Baikal miner

MINI

USER'S GUIDE

http://www.baikalminer.com

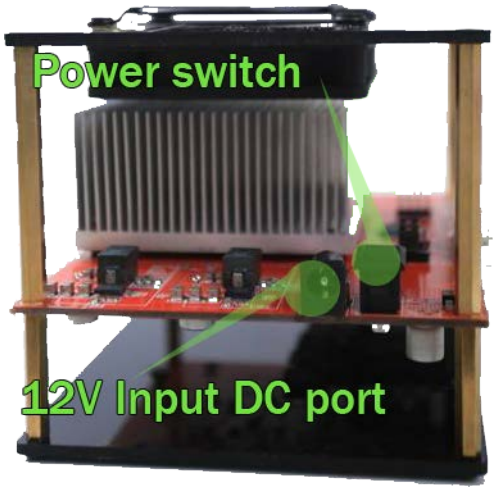
Start Mini

Installation guide

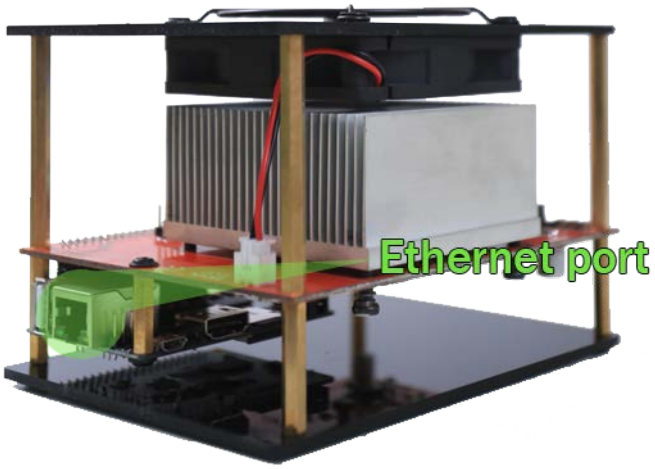
✓ Mini Specifications

Hash Rate	150MH/s(±10%)
Power	40W(±5%) @ 0.27J/MH (at the wall , with 25℃ ambient temp)
Input Power	12V/5A DC
Interface	Ethernet
Operation Temp	0 ~ 40 ℃
Dimension	140mm(L) x 100mm(W) x 95mm(H)
Weight	475g

✓ Introduction



front



back

✓ Package Contents

1 Mini Miner
1 4-pin USB cable

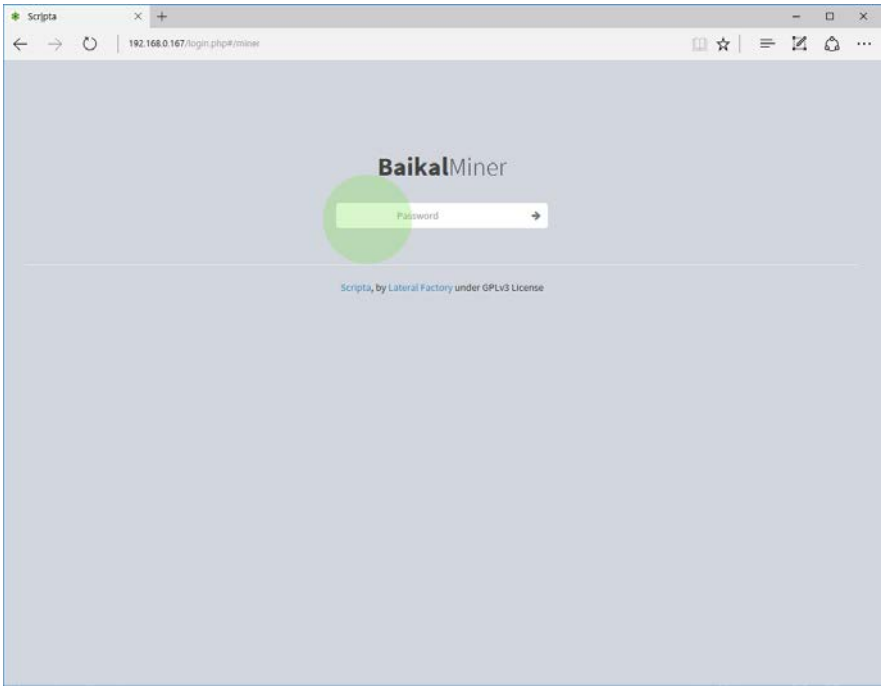
4-pin USB cable

✓ Connection Guide

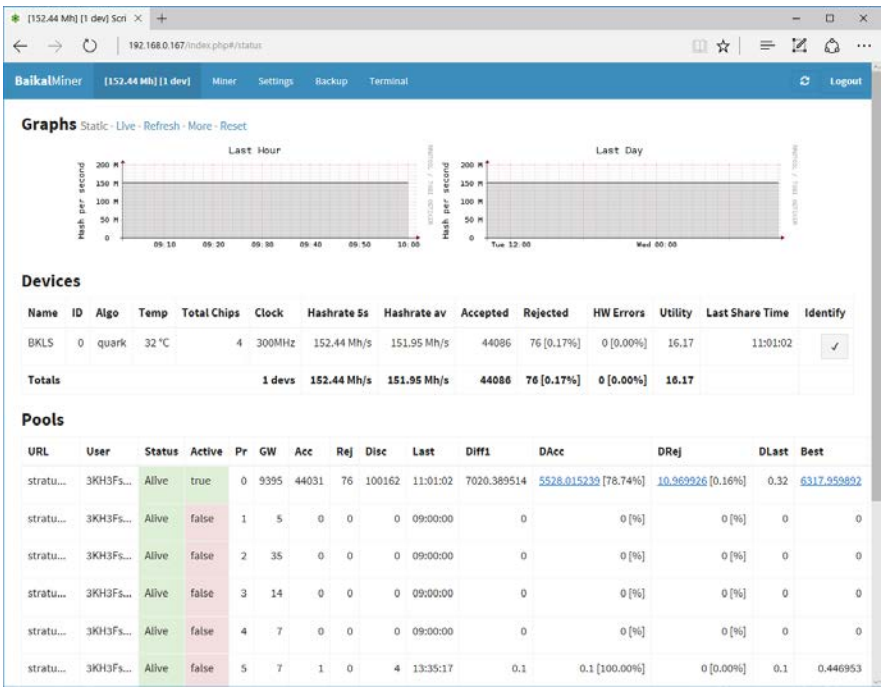
1. Connect Mini to Ethernet with Ethernet cable.
2. Plug power cable to 12V 5A DC port and to the power outlet as well.
   Make sure the switch is off when plugging in.
3. Turn the switch on and check if you have blinking lights on at the Ethernet Port.

✓ Pool setting

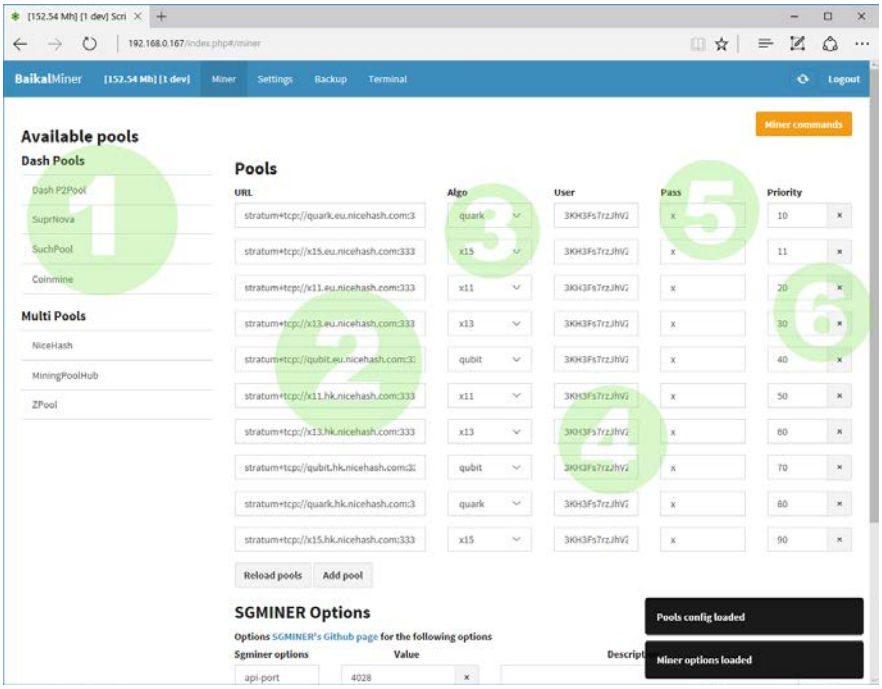
1. Enter Mini IP address on your web browser to access pool setting page and log in with ‘baikal’ as password.
   (IP address can be found either on setting page of your internet router or by using our program from download link)



2. First page you’d see if you log in successfully.



3. Go to Miners tab to set pool lists and give them mining details.

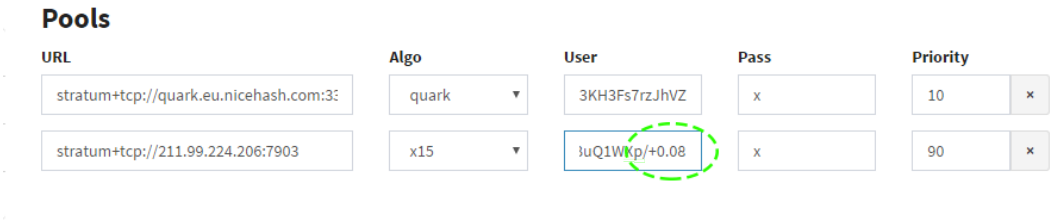


1 – Pool links for your information
2 – Server urls from each pools
3 – Select Algorithm type
4 – Your wallet address
5 – Pool password (normally setted as x)
6 – Give priority with your own numbers; the system counts lowest number as first and the next as second regardless how big are the numbers.

Note

For P2Pool you should add /+0.08 at the end of your account to manage the hashrate for the best outcome.

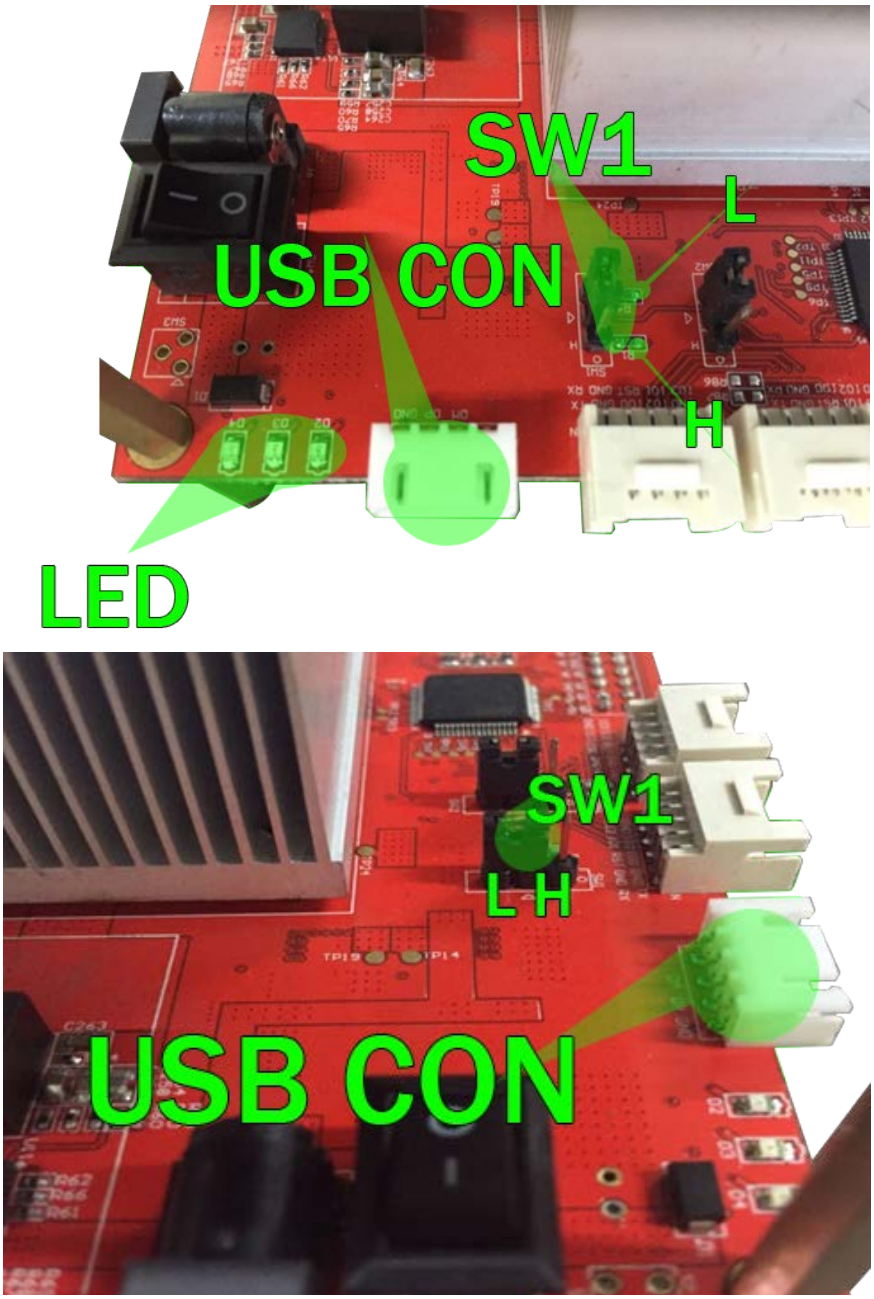
Example)



Keep Mini Up-to-date

Upgrade guide

✓ Configuration

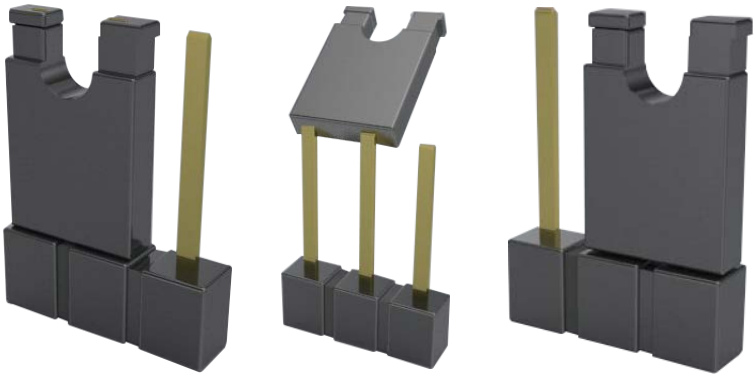


	Description
SW1	Boot mode setting. H : DFU boot mode , L : Normal
USB CON	4-pin USB connector. Use Baikalteam made 4pin USB Cable.
LED	Show DFU boot mode enter in 'H' of SW1. RGB is blinking one by one.
4-pin USB cable	USB A plug to 4-pin connector converter cable

✓ Firmware Update

01 Before the installation

1. Power off Mini.
2. Switch SW1 to H.



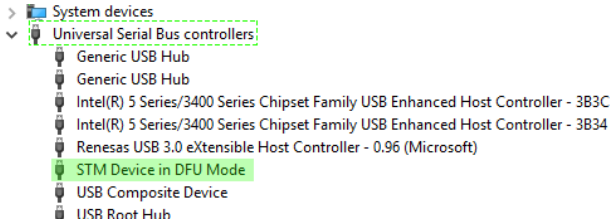
Mode L Mode H

3. Connect 4-pin USB cable provided in the product package into USB CON.
4. Turn Mini on. LED at installation mode would glow one by one as waves go through.
5. Download following list of updating tools available from here :

Name	Description
dfu-util.exe	USB DFU(Device Firmware Utility) utility.
update_firmware_mini.bat	Firmware update batch file.
zadig_2.1.2.exe	USB Driver Installer
baikal_mini.bin	Firmware binary image.

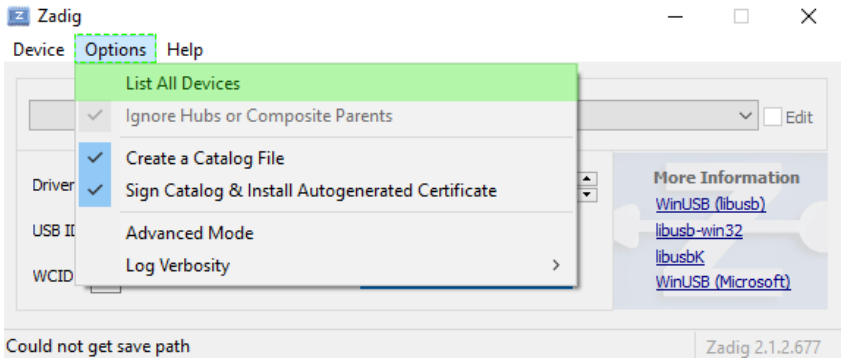
02 Install DFM Utility driver

1. Connect the other end of 4-pin USB cable to your PC.
2. Check if you have STM Device in DFU Mode on device manager.

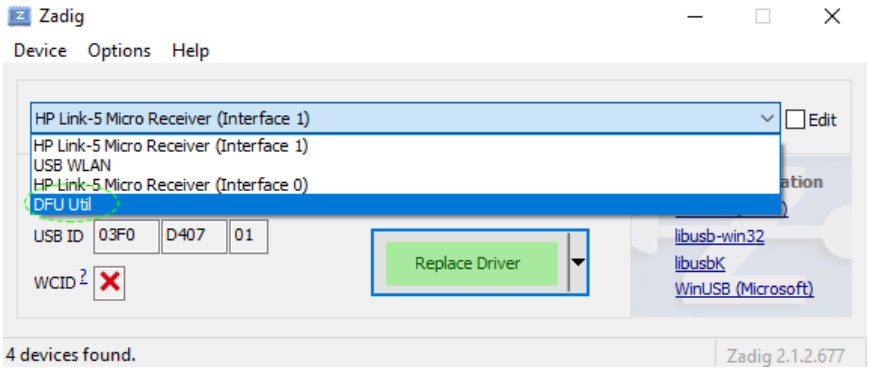


3. Run zadig_2.1.2.exe

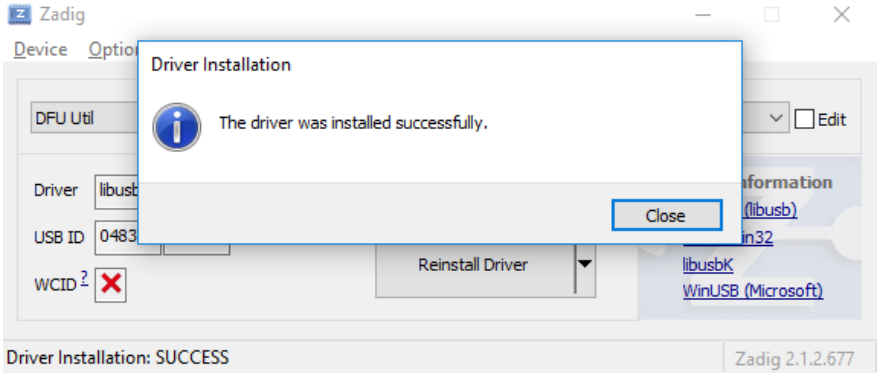
4. Select Options>List all devices.



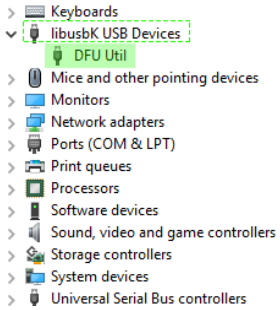
5. Select 'DFU Util' on USB device list, then replace driver.



6. It should be followed by pop-up message below.



7. DFU Util would appear as a replacement of STM Device in DFU Mode on Device Manager if installed successfully.



03 Update firmware

1. Run **update_firmware_mini.bat** and console window would pop up.

2. When the progress reaches 100% window will close itself.

04 Finish

1. Power off Mini.
2. Remove 4-pin USB cable from USB CON.
3. Set SW1 to ‘L’.
4. Power on Mini-ready-to-mine.

✓ SD Card Update

OrangePI SD Card setup guide

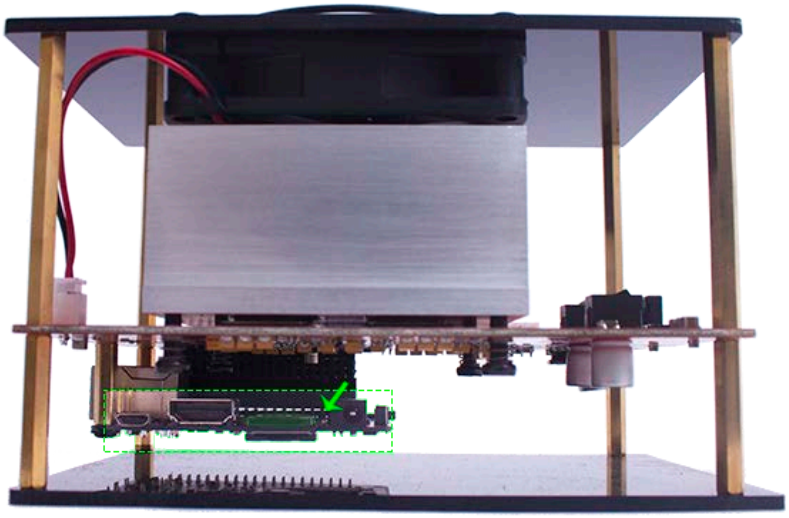
01 Download files

1. Download the OrangePI image from the following link :
File : OrangePI-PC_8G_V2.1_0712.img
Download Link 1 : Google drive

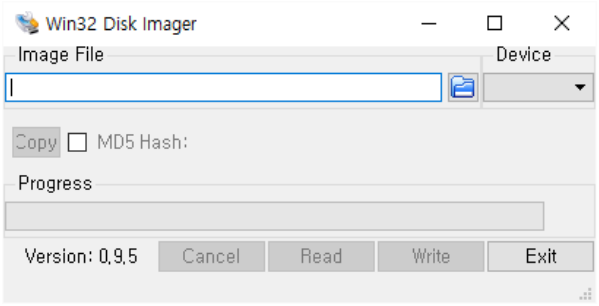
2. Download Win32diskImager Utility.
File : Win32DiskImager-0.9.5-binary.zip
Download Link 1 : Google drive

02 Update OrangePI SD Card

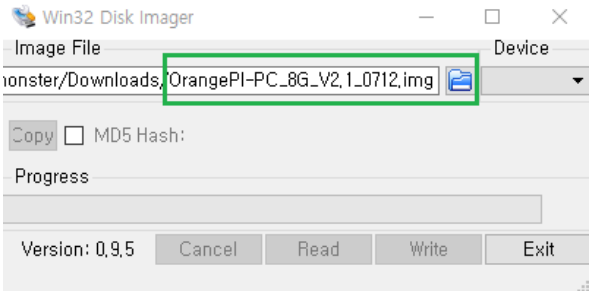
1. Turn Mini off.
2. Remove the SD Card from the OrangePI Controller.



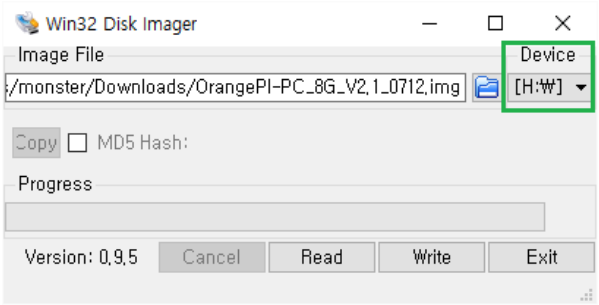
3. Read the SD card on your computer and check which drive letter it assigned.
4. Run the win32diskImager utility.



5. Select the OrangePI-PC_8G_V2.1_0712.img



6. Select the driver letter of the SD card in the device box.
7. Be careful to select the correct drive; if you get the wrong one you can destroy your data on the computer's hard disk!



8. Click Write and wait for the write to complete.
9. You are now ready to plug the card into your OrangePI.