



The Handbook of R-BOX

➤ Preparation

● Choose a Wallet

You'd better register a wallet first, such as openblock.com and blockchain.info, which is online, then the address generated by it can be used to receive mining pool profits, or you can just use the address of your local wallet to receive profits. However, address in online exchange(s) are not suggested to receive profit for security.

● How to Use Your Wallet

Reference resources:

<http://www.shroomery.org/forums/showflat.php/Number/19116760>

Important note: 2FA code (such as being generated by GAuth.), cell phone and security email are VERY VERY important to login and recover of your account.

● Hardware Support

One 12V/5A adapter, and one mini USB line per unit.

We'll emerge one USB line and one barrel connector line in each box.

➤ Setting

If you use Windows XP system, at first you have to download Driver from <http://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx>

However, Win7/Win8 system don't have to download the driver as above.

All of the Win7/Win8、XP system should set as following:

● Step 1. Download Software

Download address 1: <https://github.com/rockminerinc/cgminer-for-R-BOX>

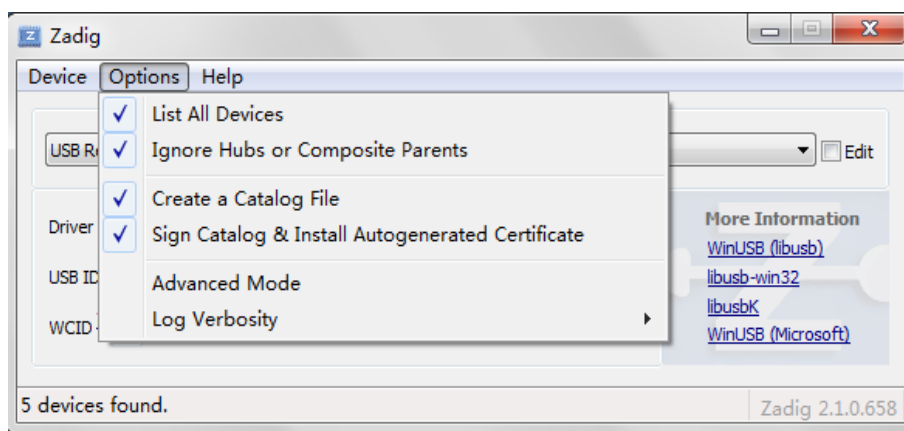
Download address 2: <http://pan.baidu.com/s/1i3C8m6x>

● Step 2. Install Driver

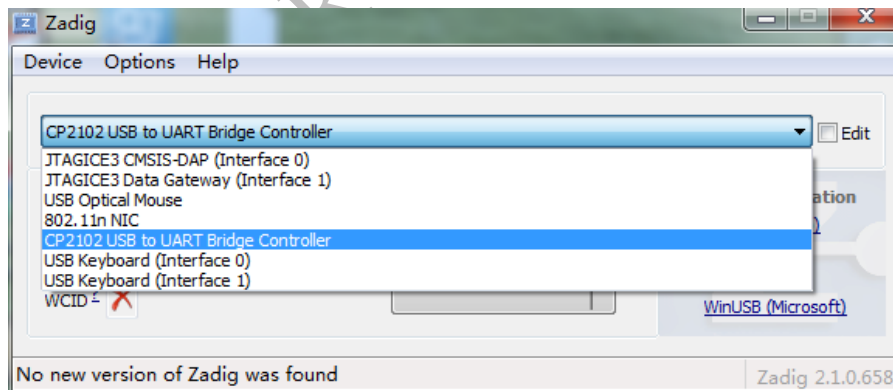
- ✓ Connect power adapter and the USB line;
- ✓ Unpack the zip file named cgminer_windows.rar;



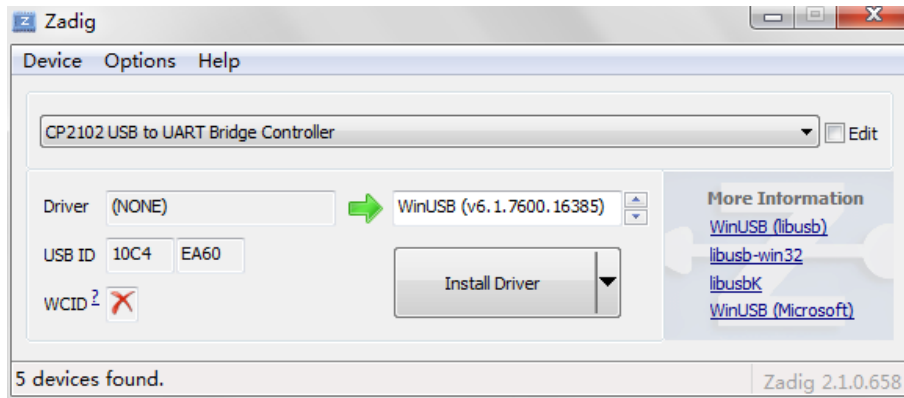
- ✓ Double click the file named zadig_xp_2.1.0, and click “Options” in menu list, tick “List All Device”



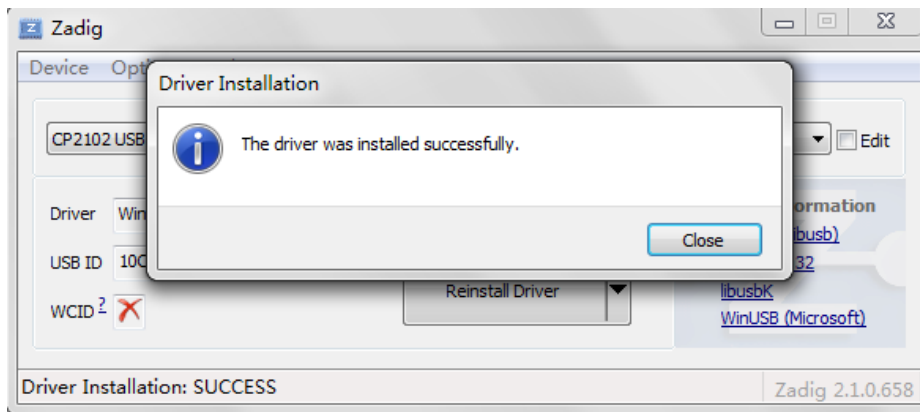
- ✓ Choose “CP2102 USB to UART Bridge Controller” in drop-down list:



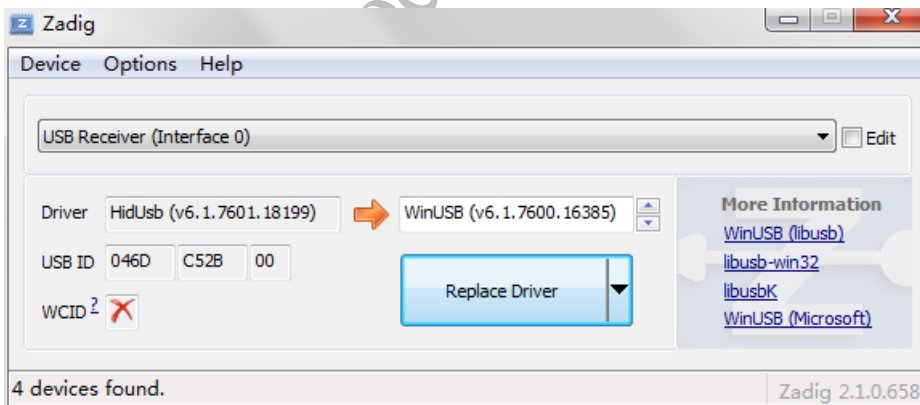
- ✓ Click “Install Drive” and wait:



- ✓ After the driver installed successfully, you'll see:



- ✓ Click “close”:



- ✓ Close the window and you did a good job now.
- **Step 3. Set parameters**
- ✓ **Setting mining pool:** open the folder named Cigminer, choose file named cg, which is a .cmd file:

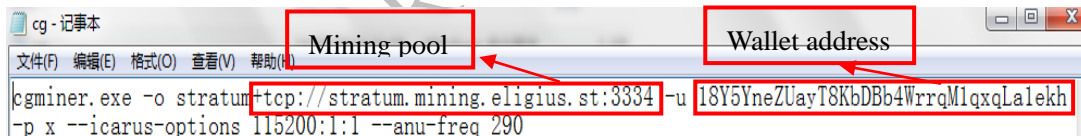


名称	修改日期	类型	大小
cg	2014/5/9 0:45	Windows 命令脚本	1 KB
cgminer	2014/5/9 0:08	应用程序	2,030 KB
libcurl.dll	2013/12/24 16:16	应用程序扩展	612 KB
libeay32.dll	2013/2/8 21:44	应用程序扩展	1,665 KB
libgcc_s_dw2-1.dll	2013/10/6 1:17	应用程序扩展	110 KB
libidn-11.dll	2010/3/30 21:29	应用程序扩展	274 KB
libpdcurses.dll	2010/6/11 15:48	应用程序扩展	146 KB
pthreadGC2.dll	2013/8/22 19:34	应用程序扩展	117 KB
README	2014/4/24 3:56	文件	40 KB
ssleay32.dll	2013/2/8 21:44	应用程序扩展	356 KB

- ✓ click right button of mouse, choose “edit” with Chinese name “编辑”:

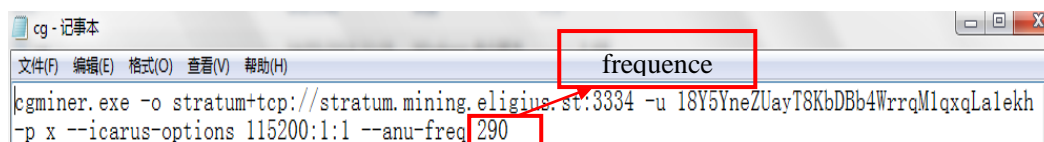


- ✓ Change mining pool and wallet address. The default pool address of this cgminer version is eligius, that means you can just change wallet address to be yours if you are going to use eligius.



Very important: If the mining pool is not eligius, you should follow pools' rule to set specs.

- ✓ Set chips working frequency. The effective range of working frequency is 270M to 290M, and you should save txt when frequency's been changed.



➤ Mining

After double clicked the file named cg, R-BOX will work.



```
C:\Windows\system32\cmd.exe
cgminer version 4.3.0 - Started: [2014-05-11 12:00:44]

<5s>:37.26G <1m>:35.62G <5m>:18.72G <15m>:7.787G <avg>:35.12Gh/s
A:1792 R:128 HW:105 WU:518.8/m
Connected to stratum.mining.eligius.st diff 16 with stratum as user 1BYgMJrjbj4
Block: 28109b24... Diff:8G Started: [12:00:44] Best share: 3.87K

[U]SB management [P]ool management [S]ettings [D]isplay options [Q]uit
0: AMU 0 : ! 37.26G / 35.12Gh/s WU:518.8/m

[2014-05-11 12:04:09] Accepted 05a47c29 Diff 45/16 AMU 0
[2014-05-11 12:04:10] Rejected 05a47c29 Diff 45/16 AMU 0 <duplicate>
[2014-05-11 12:04:22] Accepted 08d92962 Diff 29/16 AMU 0
[2014-05-11 12:04:22] Accepted 08355943 Diff 31/16 AMU 0
[2014-05-11 12:04:22] Accepted 0aa98b2e Diff 24/16 AMU 0
[2014-05-11 12:04:22] Rejected 0aa98b2e Diff 24/16 AMU 0 <duplicate>
[2014-05-11 12:04:22] Accepted 06930c5e Diff 39/16 AMU 0
[2014-05-11 12:04:22] Accepted 078026e1 Diff 34/16 AMU 0
[2014-05-11 12:04:22] Accepted 0cadb410 Diff 20/16 AMU 0
[2014-05-11 12:04:22] Accepted 06dff246 Diff 37/16 AMU 0
[2014-05-11 12:04:22] Accepted 03d6e8bc Diff 67/16 AMU 0
[2014-05-11 12:04:24] Accepted 0f030769 Diff 17/16 AMU 0
[2014-05-11 12:04:27] Accepted 058508b8 Diff 46/16 AMU 0
[2014-05-11 12:04:28] Accepted e99f3a78 Diff 281/16 AMU 0
```

➤ Appendix

1. Temperature protection

When rate of working is between 270MHz to 290MHz, the temperature of PCB is between 30℃ to 49℃;

However, if the temperature of PCB is between 50℃ to 59℃, the working rate of PCB will automatically drop down to 200MHz;

```
C:\Windows\system32\cmd.exe
cgminer version 4.3.3 - Started: [2014-05-17 21:24:31]

<5s>:34.17G <1m>:33.61G <5m>:24.67G <15m>:11.91G <avg>:33.17Gh/s
A:4096 R:0 HW:602 WU:471.5/m Freq:300MHz
Connected to stratum.f2pool.com diff 256 with stratum as user suki.test
Block: 6cb36253... Diff:8.85G Started: [21:28:59] Best share: 21.6K

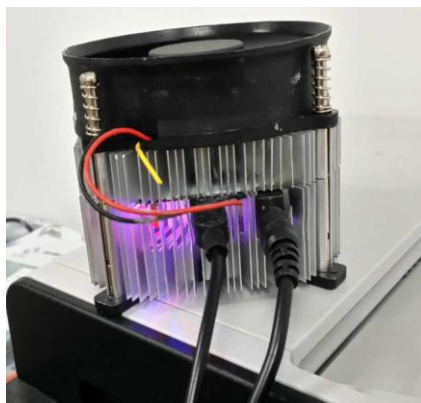
[U]SB management [P]ool management [S]ettings [D]isplay options [Q]uit
0: AMU 0 : ! 38.77G / 34.17Gh/s WU:484.2/m! T:50C! F:200MHz

[2014-05-17 21:26:43] Pool 0 difficulty changed to 256
[2014-05-17 21:27:06] Accepted fe586f68 Diff 258/256 AMU 0
[2014-05-17 21:27:10] Accepted 8ad7673b Diff 472/256 AMU 0
[2014-05-17 21:27:24] Accepted fff50bf5 Diff 256/256 AMU 0
[2014-05-17 21:27:44] Accepted 0307a7be Diff 21.6K/256 AMU 0
[2014-05-17 21:27:47] Accepted c3919c54 Diff 335/256 AMU 0
[2014-05-17 21:28:31] Lost 1 shares due to no stratum share response from pool 0
[2014-05-17 21:28:59] Stratum from pool 0 detected new block
[2014-05-17 21:29:10] Accepted ff2233c4 Diff 257/256 AMU 0
[2014-05-17 21:29:13] Accepted f6f8e32e Diff 265/256 AMU 0
[2014-05-17 21:29:21] Accepted 313e5434 Diff 1.33K/256 AMU 0
[2014-05-17 21:29:37] Accepted c00787d9 Diff 341/256 AMU 0
[2014-05-17 21:30:02] Accepted 8233fddd Diff 503/256 AMU 0
```

If the working temperature goes up to 60℃, machine will stop working, and the indicating light will display blue.

On the other hand, R-BOX will automatically work again, when the temperature recover normal temperature (lower than 50℃).

2. Red light began to work after power supply connected, and blue one is bright when R-BOX is mining.



3. You can run R-BOXs by hub.

