U1 Server User Guide

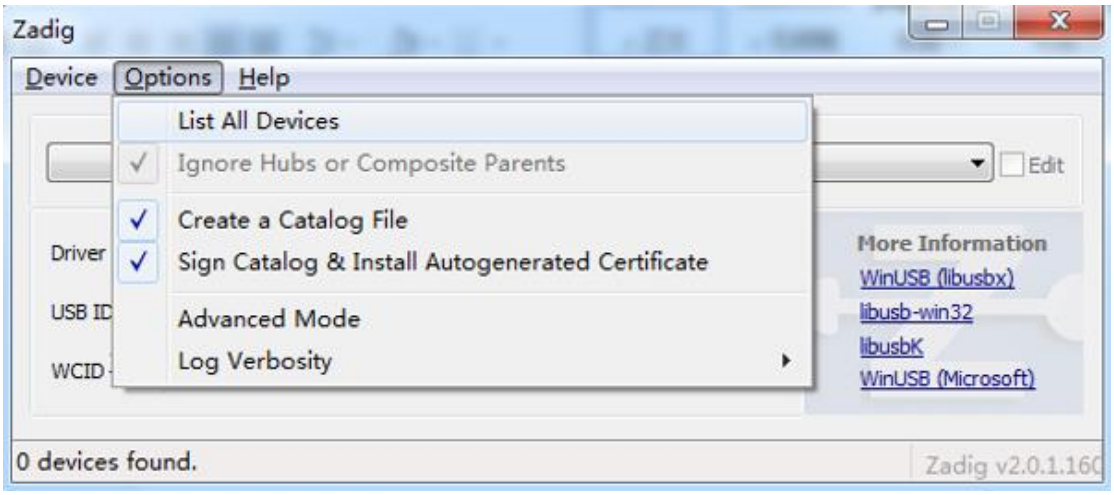
1 Install driver

Click the link for U1 Server:
https://github.com/AntMiner/AntGen1/tree/master/cgminer
CP2102 Driver:
http://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx
zadig:
http://zadig.akeo.ie/

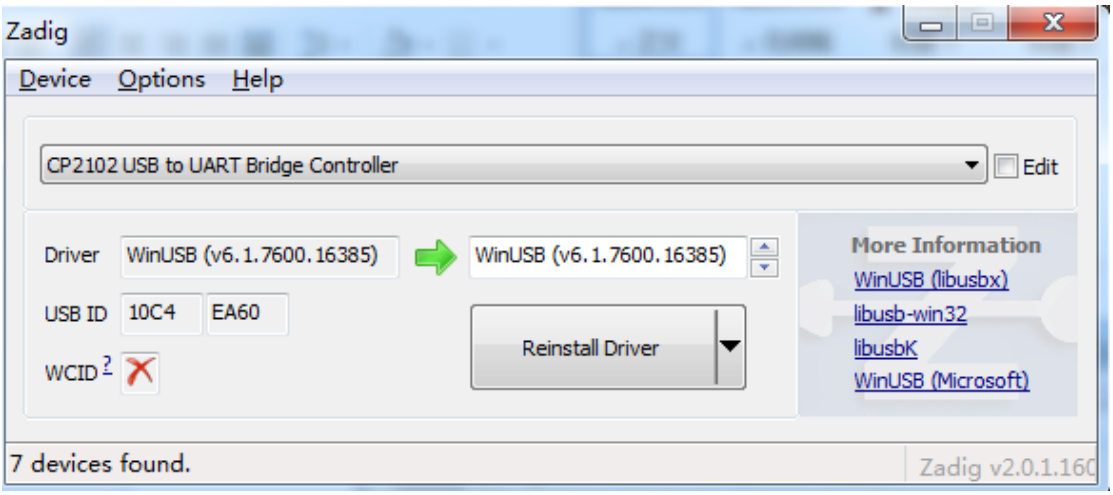
Step1: install CP210x_VCP driver.

Step2: Plug in U1 Server.

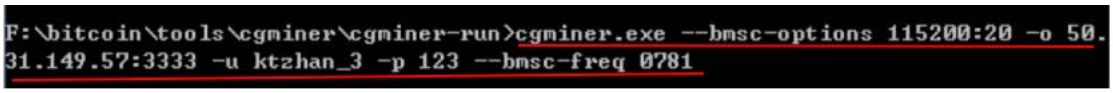
Step3: Open Zadig and click "Options -> List All Devices"



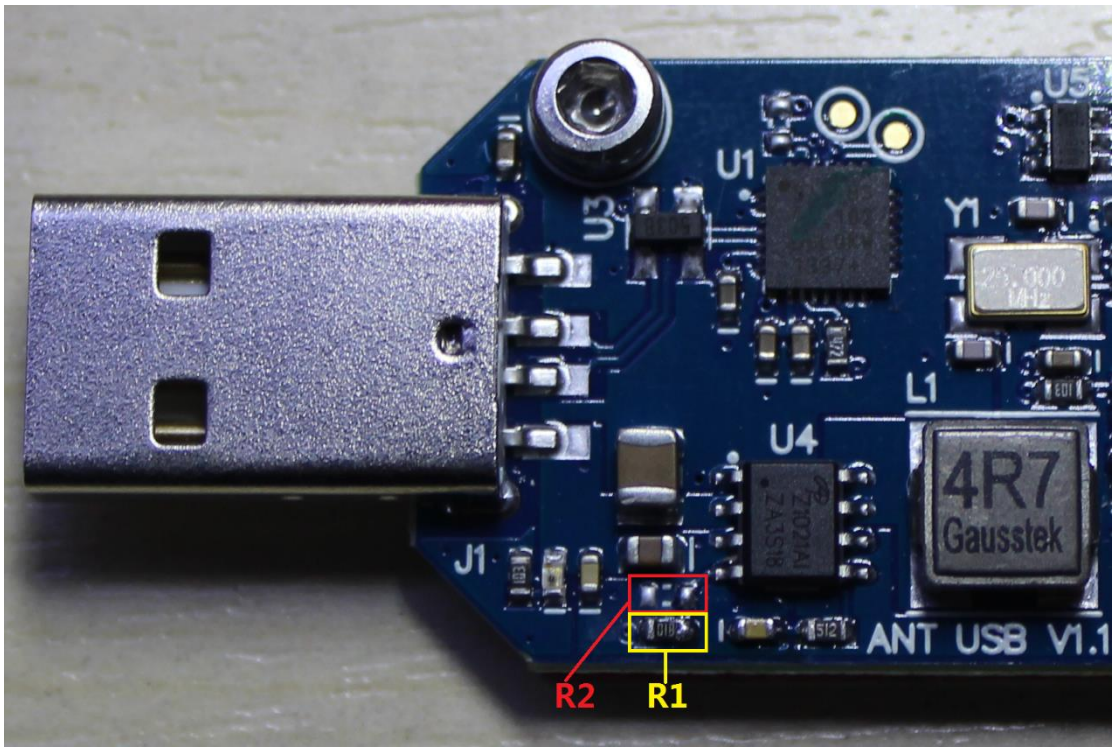
Step4: Select CP2102 USB to UART Bridge Controller, and then click "Reinstall Driver"



Step5: run the server marked below. In next time, please run it directly.



2 Over clocking guideline



DC/DC component: AOZ1021AI

DC/DC output formula: Vo=0.8*(1+R1/R2)

Typical value

DC/DC output	R1	R2
0.8V(Default)	1K	OPEN
0.9V	1.24K	10K
1.0V	2.49K	10K
1.1V	3.74K	10K
1.2V	4.99K	10K

bmsc-freq option

Freqency (MHz)	ASIC hash rate (GHz)	Frequency Hex
150	1.2	0581
175	1.4	0681
200	1.6	0781
225	1.8	0881

250	2.0	0981
275	2.2	0A81
300	2.4	0B81
325	2.6	4C81
350	2.8	4D81
375	3.0	4E81
400	3.2	4F81
425	3.4	5081
450	3.6	5181
475	3.8	5281
500	4.0	5381

Frequency Hex description

15	14	13:7	6:2	1:0
0	BS	M[6:0]	N[4:0]	OD[1:0]

NR=N+1

NF=M+1

OD[1:0]	0	1	2	3
NO	1	2	4	8

Fout = 25*NF/(NR*NO), where NR =1 or 2.

When BS=1, $62.5 \leqslant Fout \leqslant 1000$; $500 \leqslant Fout*NO \leqslant 1000$

When BS=0, $37.5 \leqslant Fout \leqslant 600$; $300 \leqslant Fout*NO \leqslant 600$

Regulation:

FCC Notice (FOR FCC CERTIFIED MODELS):

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

EU WEEE: Disposal of Waste Equipment by Users in Private Household in the European Union

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handling it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where your purchased the product.

台湾 ROHS:

設備名稱：　　，型號：

單元	有害物质					
	鉛 (Pb)	汞 （Hg）	鎘 （Cd）	六價鉻 (Cr+6)	多溴聯苯 （PBB）	多溴二苯醚 （PBDE）
外殼	○	○	○	○	○	○
電路板組件	—	○	○	○	○	○
其他線材	—	○	○	○	○	○

備考 1.〝超出 0.1 wt %〞及〝超出 0.01 wt %〞係指限用物質之百分比含量超出百分比含量基準
值。
備考 2.〝○〞係指該項限用物質之百分比含量未超出百分比含量基準值。
備考 3.〝－〞係指該項限用物質為排除項目