

Since the RaspberryPi Zero development board does not have a network port, you cannot log in through SSH. You can only log in through the serial port. The method for opening the serial port is as follows:

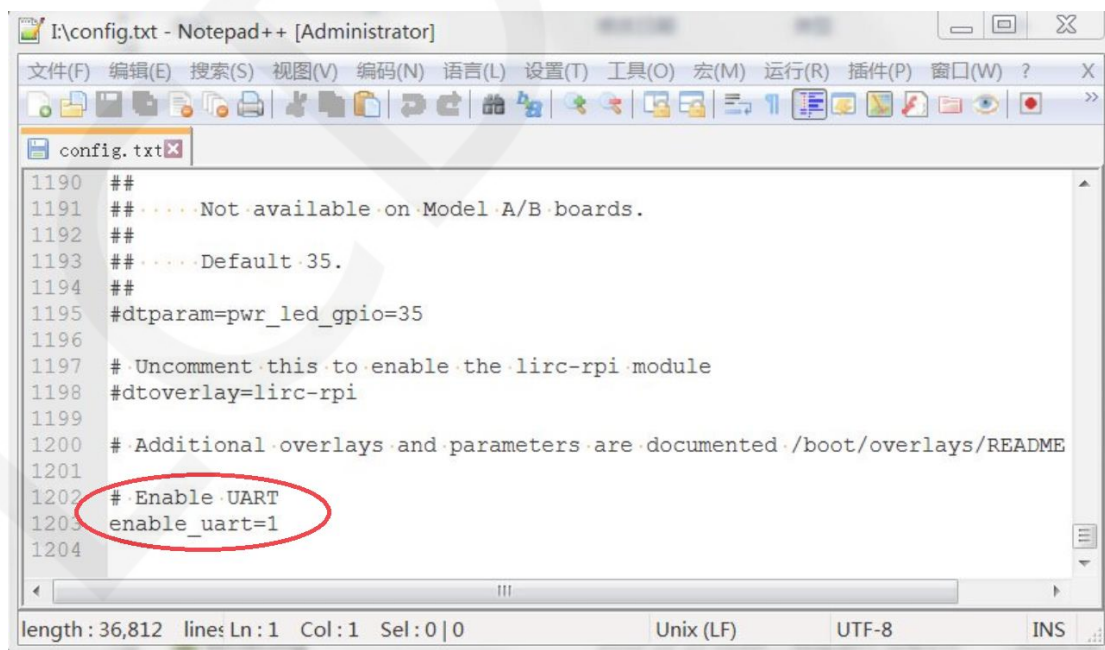
1. Insert the micro SD card that has been burned into the Retropie Zero system into the PC, and open the config.txt file in the root directory of the micro SD card, as shown below:

grub	2016-02-11 17:02	文件夹	
overlays	2017-02-11 18:29	文件夹	
bcm2708-rpi-b.dtb	2016-12-19 20:00	DTB 文件	14 KB
bcm2708-rpi-b-plus.dtb	2016-12-19 20:00	DTB 文件	14 KB
bcm2708-rpi-cm.dtb	2016-12-19 20:00	DTB 文件	14 KB
bcm2709-rpi-2-b.dtb	2016-12-19 20:00	DTB 文件	15 KB
bcm2710-rpi-3-b.dtb	2016-12-19 20:00	DTB 文件	16 KB
bcm2710-rpi-cm3.dtb	2016-12-19 20:00	DTB 文件	15 KB
bootcode.bin	2016-12-19 20:00	BIN 文件	18 KB
cmdline.txt	2016-02-11 17:21	文本文档	1 KB
config.txt	2016-02-11 17:21	文本文档	36 KB
COPYING.linux	2016-12-19 20:00	LINUX 文件	19 KB
fixup.dat	2016-12-19 20:00	媒体文件(.dat)	7 KB
fixup_cd.dat	2016-12-19 20:00	媒体文件(.dat)	3 KB

2. Add the following at the end of config.txt:

```
# Enable UART
enable_uart=1
```

Save the document and eject the micro SD card.

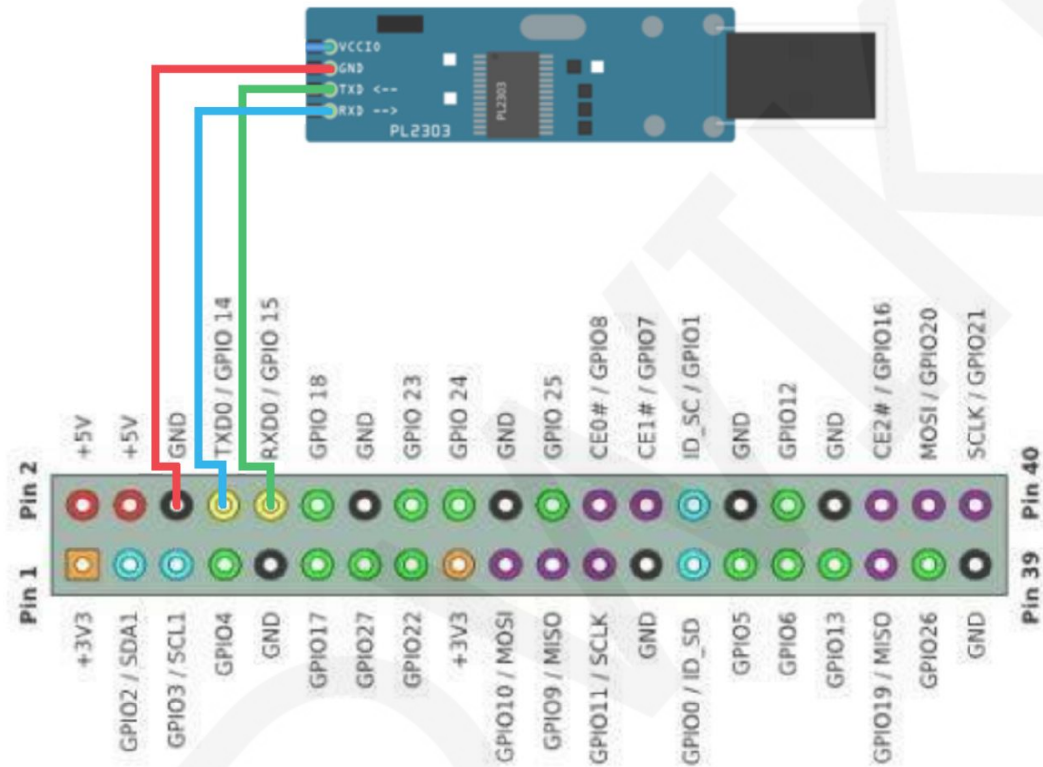


```
I:\config.txt - Notepad++ [Administrator]
文件(F) 编辑(E) 搜索(S) 视图(V) 编码(N) 语言(L) 设置(T) 工具(O) 宏(M) 运行(R) 插件(P) 窗口(W) ? X
config.txt x
1190 ##
1191 ##...Not available on Model A/B boards.
1192 ##
1193 ##...Default 35.
1194 ##
1195 #dtparam=pwr_led_gpio=35
1196
1197 # Uncomment this to enable the lirc-rpi module
1198 #dtoverlay=lirc-rpi
1199
1200 # Additional overlays and parameters are documented /boot/overlays/README
1201
1202 # Enable UART
1203 enable_uart=1
1204
length: 36,812 lines Ln: 1 Col: 1 Sel: 0 | 0 Unix (LF) UTF-8 INS
```

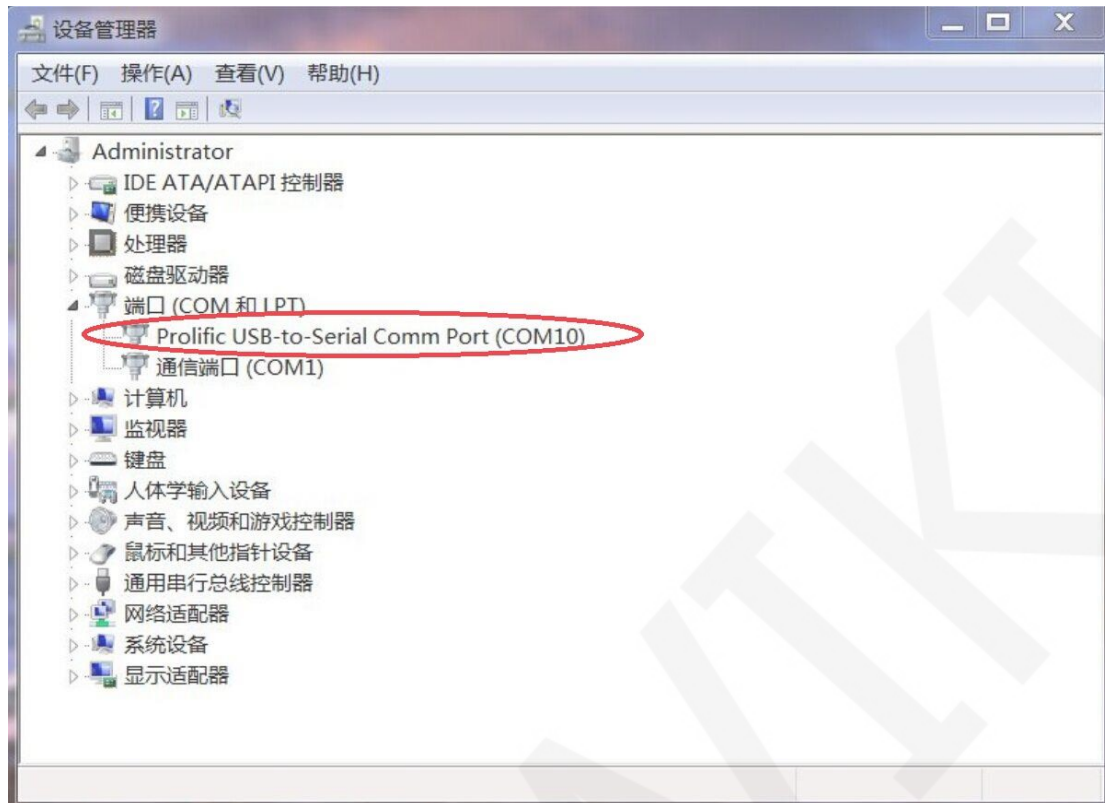
3. Connect the serial port conversion module _PL2303 and RaspberryPi.

Serial port conversion module PL2303 driver installation method can be accessed online.

Connect as shown below:



4. After connecting the line, insert the serial port conversion module into the computer and check the com number of the serial port module in the device manager, as shown below:

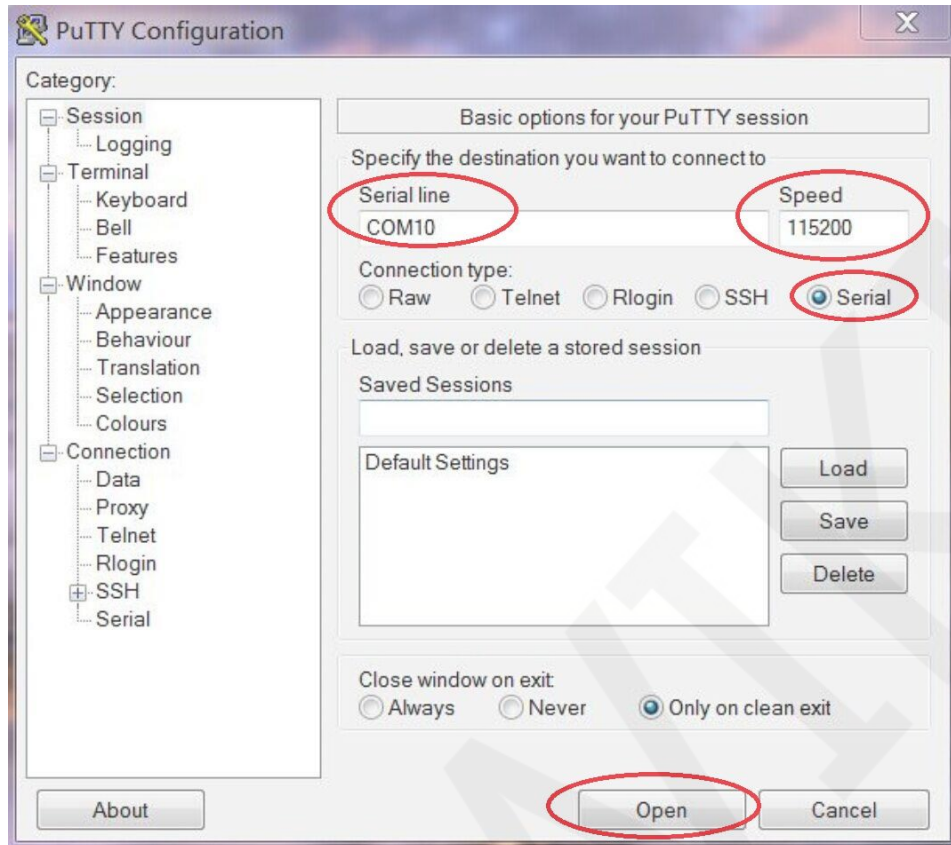


5. Open the putty software (you can also use other terminal tools) to set it up.

Putty can be downloaded online or by the following URL:

<http://www.lcdwiki.com/res/software/putty.zip>

Select Serial, set the com port (consistent with the device manager), set the speed to 115200, and then click open to open the serial terminal, as shown below:



6. Power on the RaspberryPi. At this time, the serial terminal will display the log information of RaspberryPi startup, as shown below:

```
COM10 - PuTTY
[ 14.498773] systemd-journald[144]: File /var/log/journal/563ba3a27e6b427aa310255588
0c577c/systemd-journal corrupted or uncleanly shut down, renaming and replacing.
[ OK ] Started Flush Journal to Persistent Storage.
[ OK ] Started udev Kernel Device Manager.
[ 16.678625] ads7846 spi0.1: spi0.1 supply vcc not found, using dummy regulator
[ OK ] Found device /dev/ttyS0.
[ 16.728104] ads7846 spi0.1: touchscreen, irq 169
[ 16.795608] input: ADS7846 Touchscreen as /devices/platform/soc/3f204000.spi/spi_ma
ster/spi0/spi0.1/input/input2
[ 16.992118] snd_bcm2835: module is from the staging directory, the quality is kno
wn, you have been warned.
[ 17.067603] brcmfmac: brcmf_fw_map_chip_to_name: using brcm/brcmfmac43430-sdio.bin
for chip 0x00a9a6(43430) rev 0x000001
[ OK ] Found device /dev/mm[ 17.089622] usbcore: registered new interface driver b
rcmfmac
cblk0pl.
[ 17.096749] bcm2835_alsa bcm2835_alsa: card created with 8 channels
[ 17.504302] brcmfmac: brcmf_c_preinit_dcmts: Firmware version = w10: Aug 7 2017 00
:46:29 version 7.45.41.46 (r666254 CY) FWID 01-f8a78378
[ 17.528478] brcmfmac: brcmf_c_preinit_dcmts: CLM version = API: 12.2 Data: 7.11.15
Compiler: 1.24.2 ClmImport: 1.24.1 Creation: 2014-05-26 10:53:55 Inc Data: 9.10.41 Inc
Compiler: 1.29.4 Inc ClmImport: 1.36.3 Creation: 2017-08-07 00:37:47
[ OK ] Listening on Load/Save RF Kill Switch Status /dev/rfkill Watch.
Starting Load/Save RF Kill Switch Status...
[ OK ] Reached target Sound Card.
[ OK ] Started Load/Save RF Kill Switch Status.
```

7. After the startup is complete, enter the user name and password to log in to the RaspberryPi system for operation.