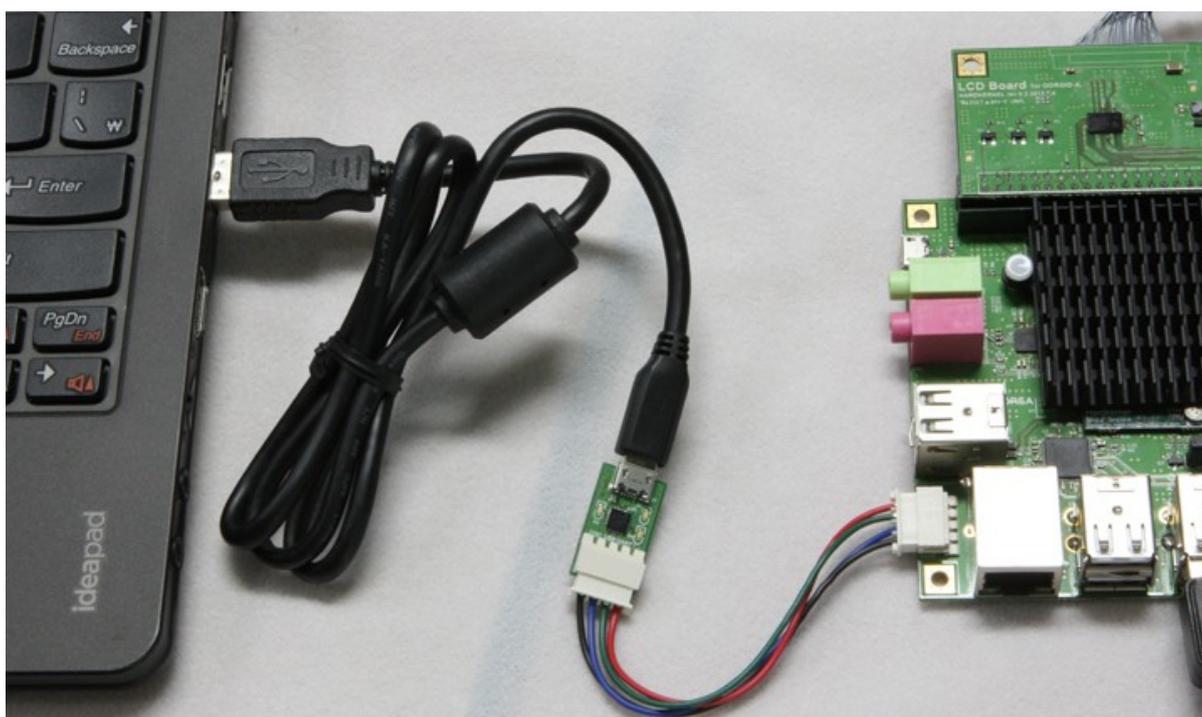


USB-UART Kit

USB-UART Kit is a system console interface board for platform development and debugging. This module kit is the best solution to check and control your ODROID board systems by connecting via a serial console port.



Assemble the USB-UART module and cables as shown in this picture.



Installation Guide

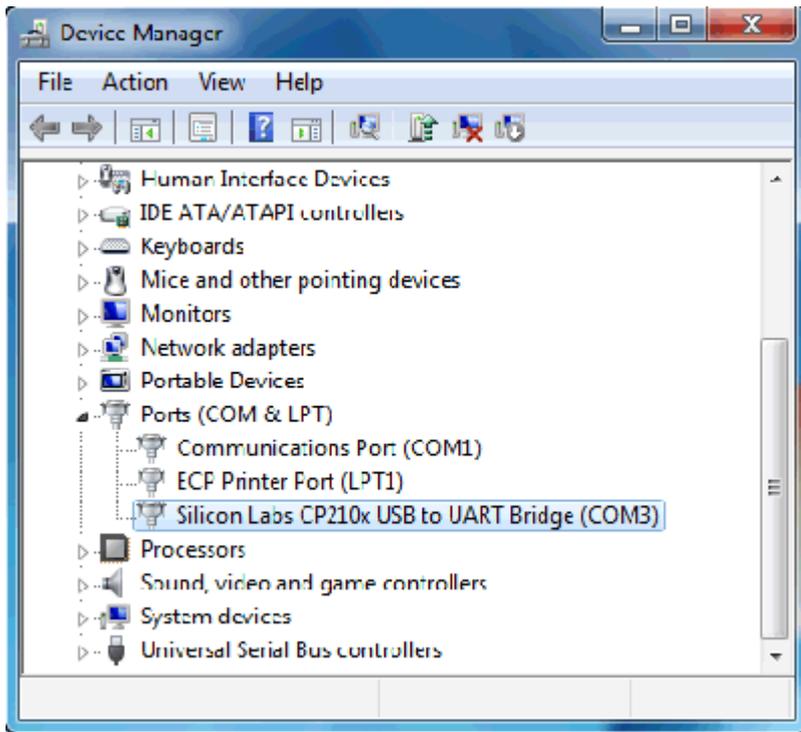
Windows 10 / 7

- Install CP210x VCP driver

Connect your USB UART module with HOST PC then, download and install USB to UART Bridge Driver.

[CP210x USB to UART Bridge VCP Drivers](#)

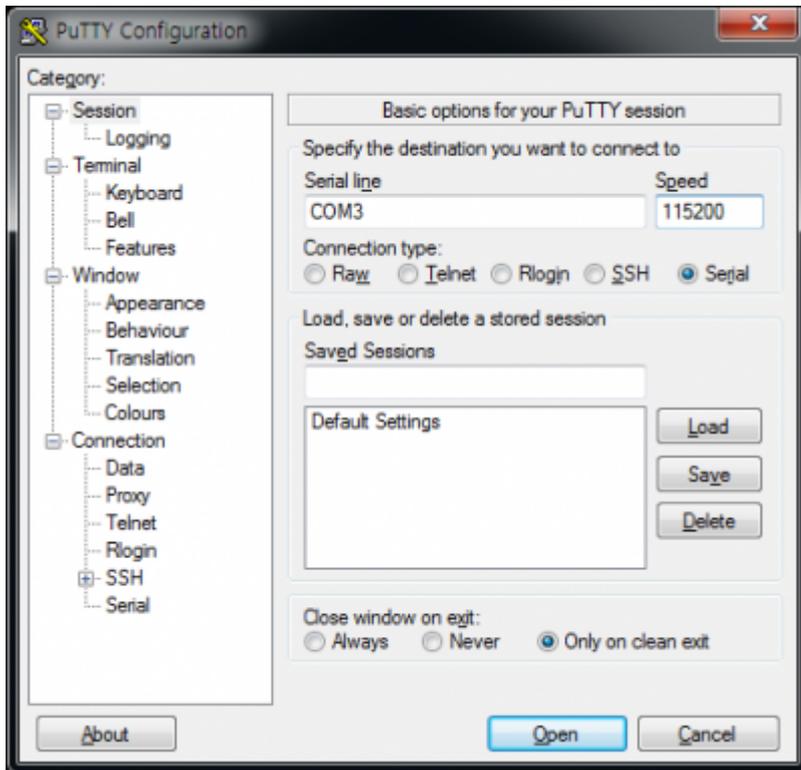
Once the driver is installed, you will find a COM PORT.



- Set up a serial console program

[PuTTY](#) is one of common serial console programs. You can download the putty.exe file for Windows [here](#).

[putty](#)



Then, you need to set some basic options.

- Connection Type

Select the radio box, **Serial** of Connection type.

- Serial Line

Input the Serial line to COM Port number. You can get the COM port number from Device Manager menu.

- Speed (Baudrate)

Change the Serial speed to **115200 baudrate**.

Every setting is now complete to run putty.

Open your serial port!


```

| A - Serial Device      : /dev/ttyUSB0
| B - Lockfile Location  : /var/lock
| C - Callin Program    :
| D - Callout Program   :
| E - Bps/Par/Bits      : 115200 8N1
| F - Hardware Flow Control : No
| G - Software Flow Control : No
|
| Change which setting?
+-----+

```

If you want to set to default , select Save setup as dfl from the menu.

Mac OSX

[For Mac OS Users](#)

ODROID Port description of UART Connector

It is described 4pin UART debug connector of all ODROID-board.
NOT UART-board

```

_____UART_____
|Pin 4 - GND|
|Pin 3 - RXD|
|Pin 2 - TXD|
|Pin 1 - VCC|
\_____|

1.8V LVTTTL for ODROID-U3/XU3/XU4/X2/X
3.3V LVTTTL for ODROID-C1/C1+/C0/C2/W/N2

RxD pin is input and TxD pin is output.

The VCC pin is not a power source but a reference voltage input.
It is used for detecting the IO voltage like a VIO or a VDDIO.
Support for I/O interface voltages down to 1.8 V is provided via a VIO pin.

```

Molex 5268-04a(2.5mm pitch) is mounted on the PCB.
Its mate is Molex 50-37-5043 Wire-to-Board Crimp Housing.
45 degreed corner edge is a mark for pin number 1.

Schematic

To make a straight cable for easy production, pin assign is in reverse order between ODROID and UART-board.

[USB UART Board for CP2102N](#)

USB UART Board for CP2104

Tips

* This tip was contributed by @jelly from our community forum.

In particular for setting screen size, for **minicom** so the lines don't get truncated at 80 characters. To solve this for GNU/Linux Debian host with **bash**, you can use either:

```
$ TERM=linux minicom odroid
```

TIP: A bash alias like this helps:

```
alias minicom='TERM=linux minicom'
```

OR run, and then paste as follows:

```
$ minicom odroid # Then paste this in:  
stty rows 50 cols 132
```

Where /etc/minicom/minirc.odroid is something like this:

```
# Machine-generated file - use "minicom -s" to change parameters.  
pu pname9          YUNYNascii  
pu pprog9          /usr/bin/ascii-xfr -dsv  
pu port            /dev/ttyUSB0  
pu downdir         /home/<your-username>/Downloads  
pu rtscts          No  
pu xonxoff         Yes
```

Reference

However this doesn't work:

```
$ minicom --term=linux odroid
```

From:
<http://wiki.odroid.com/> - **ODROID Wiki**

Permanent link:
http://wiki.odroid.com/accessory/development/usb_uart_kit

Last update: **2019/08/09 01:58**

