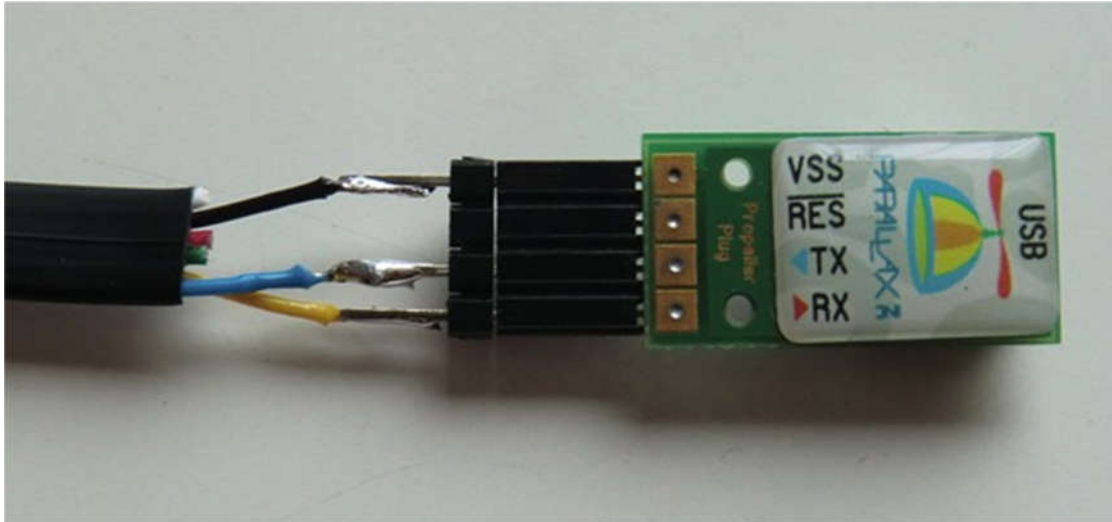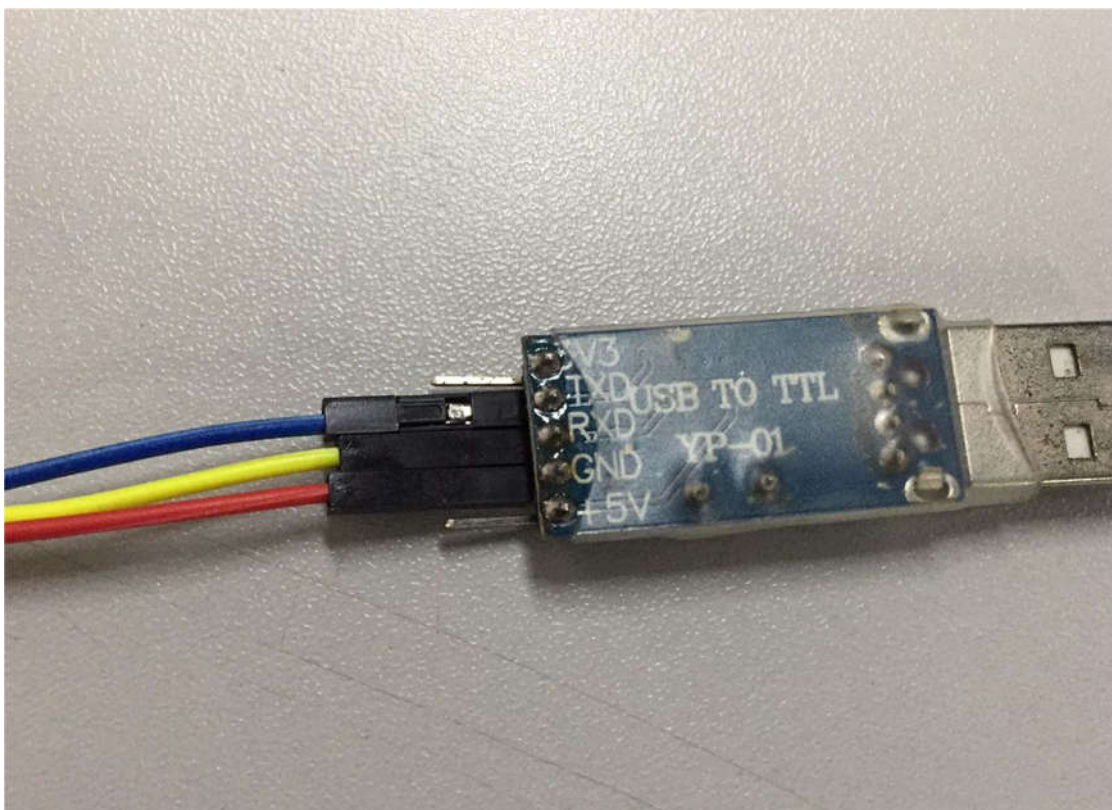# Connect Serial to Ev3

1. Connect as below picture

2. Real connect

- *Yellow: RX (receive)*
- *Blue: TX (transmit)*
- *Red: VSS (ground)*

Connect to port 1

3. Bootloader log

```
EV3 initialization passed!

Booting EV3 EEprom Boot Loader


        EEprom Version:     0.60

        EV3 Flashtype:      N25Q128A13B


EV3 Booting system


Jumping to entry point at: 0xC1080000



U-Boot 2009.11 (Oct 26 2012 - 10:30:38)


I2C:    ready

DRAM:   64 MB

MMC:    davinci: 0

In:     serial

Out:    serial

Err:    serial

ARM Clock : 300000000 Hz
```

```
DDR Clock : 132000000 Hz

Invalid MAC address read.

Hit 'l' to stop autoboot:    0

reading boot.scr


188 bytes read

## Executing script at c0600000

reading uImage


2999400 bytes read

## Booting kernel from Legacy Image at c0007fc0 ...

    Image Name:     Linux-4.4.87-22-ev3dev-ev3+

    Image Type:     ARM Linux Kernel Image (uncompressed)

    Data Size:        2999336 Bytes =    2.9 MB

   Load Address: c0008000

    Entry Point:    c0008000

    Loading Kernel Image ... OK
OK


Starting kernel ...
```