Serial Communication: Driver Installation

serial communication between microcontroller and desktop computer

drivers for Mac, Linux and Windows included with Arduino installation

http://www.arduino.cc/en/Main/Software
Serial Communication: Mac Software

http://homepage.mac.com/dalverson/zterm/

Press enter after changing baudrate.

Click to change baudrate to 9600.
Serial Communication: Windows Software

Program Files -> Accessories -> Communication -> HyperTerminal

Probably COM3 or COM4
Check device manager to be sure.

Baud rate 9600

flow control to none
Serial Communication: Windows Software

Program Files -> Accessories -> Communication -> **HyperTerminal**

- Open ASCII Setup in **Preferences**
- Toggle line ends option
- Tweak the delay settings if you are still experiencing problems
Serial Communication: Windows Software

PuTTY

- Serial connection options
- Serial device COM port (check device manager)
- 9600 baud
- disable flow control
Serial Communication: Windows Software

PuTTY

Session options

Select Serial connection type

Open the connection
Open `minicom` in a terminal

```bash
Welcome to minicom 2.2

OPTIONS: I18n
Port /dev/ttyUSB0

Press CTRL-A Z for help on special keys

#
524112 armpit>
#
524112 armpit> 5
5
524112 armpit> (+ 1 1)
2
524112 armpit>

# configuration at home:

# in /etc/minicom/minirc.dfl
pu port /dev/ttyUSB0
pu baudrate 9600
pu scriptprog
pu minite
pu mreset
pu mdialtime 0
pu mretries 0
pu rtscts No
```
Ubuntu linux trouble shooting

- I don’t have minicom installed
  
  ```bash
  apt-get install minicom
  ```

- There is no /dev/ttyUSB0 after I insert the USB cable
  
  - run `dmesg | tail` in the terminal, check the USB ever gets detected
    
    - If so, but it gets disconnected, remove brltty with `apt-get remove brltty`
    
    - If not, either reboot or put the USB cable in another slot and try again.

- minicom keeps flooding me with (data error : xxxxx)
  
  - Hit the reset button on the Olimex board
  
  - This can be fixed by disabling the modem initialization (use the config from the previous slide)