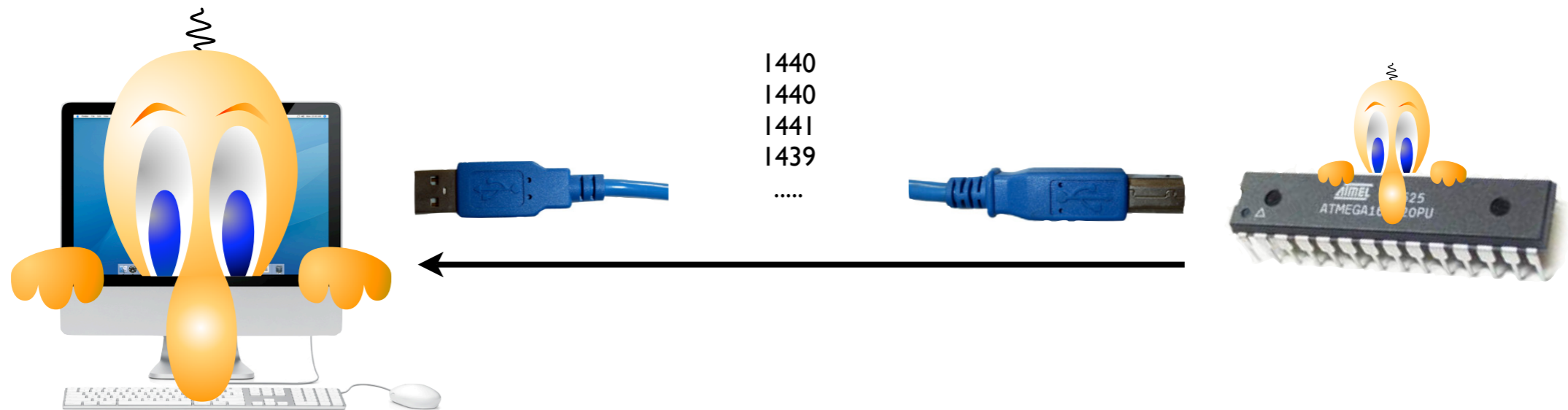


Serial Communication: Driver Installation

serial communication between microcontroller and desktop computer

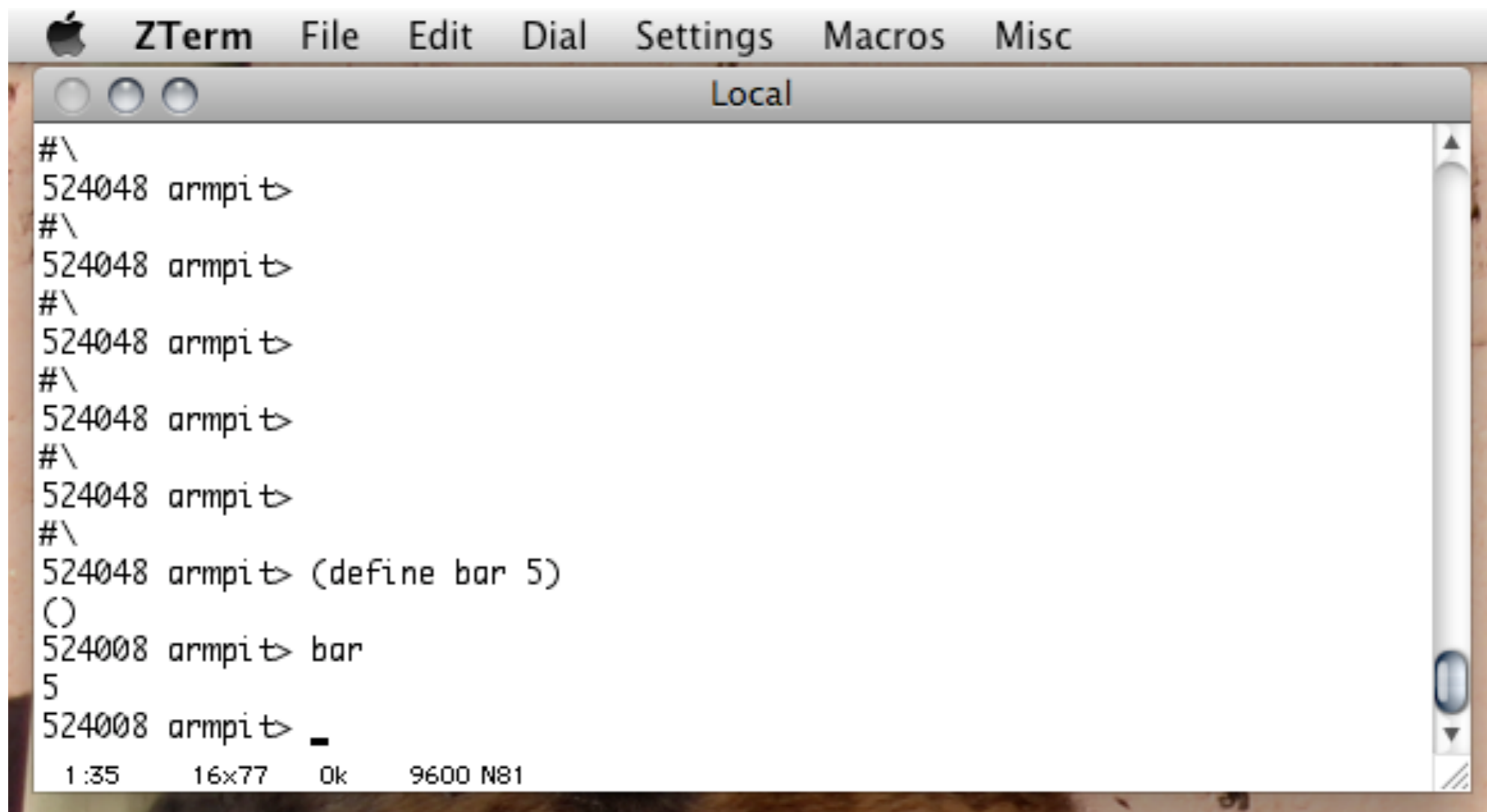


drivers for Mac, Linux and Windows included with Arduino installation

<http://www.arduino.cc/en/Main/Software>

Serial Communication: Mac Software

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

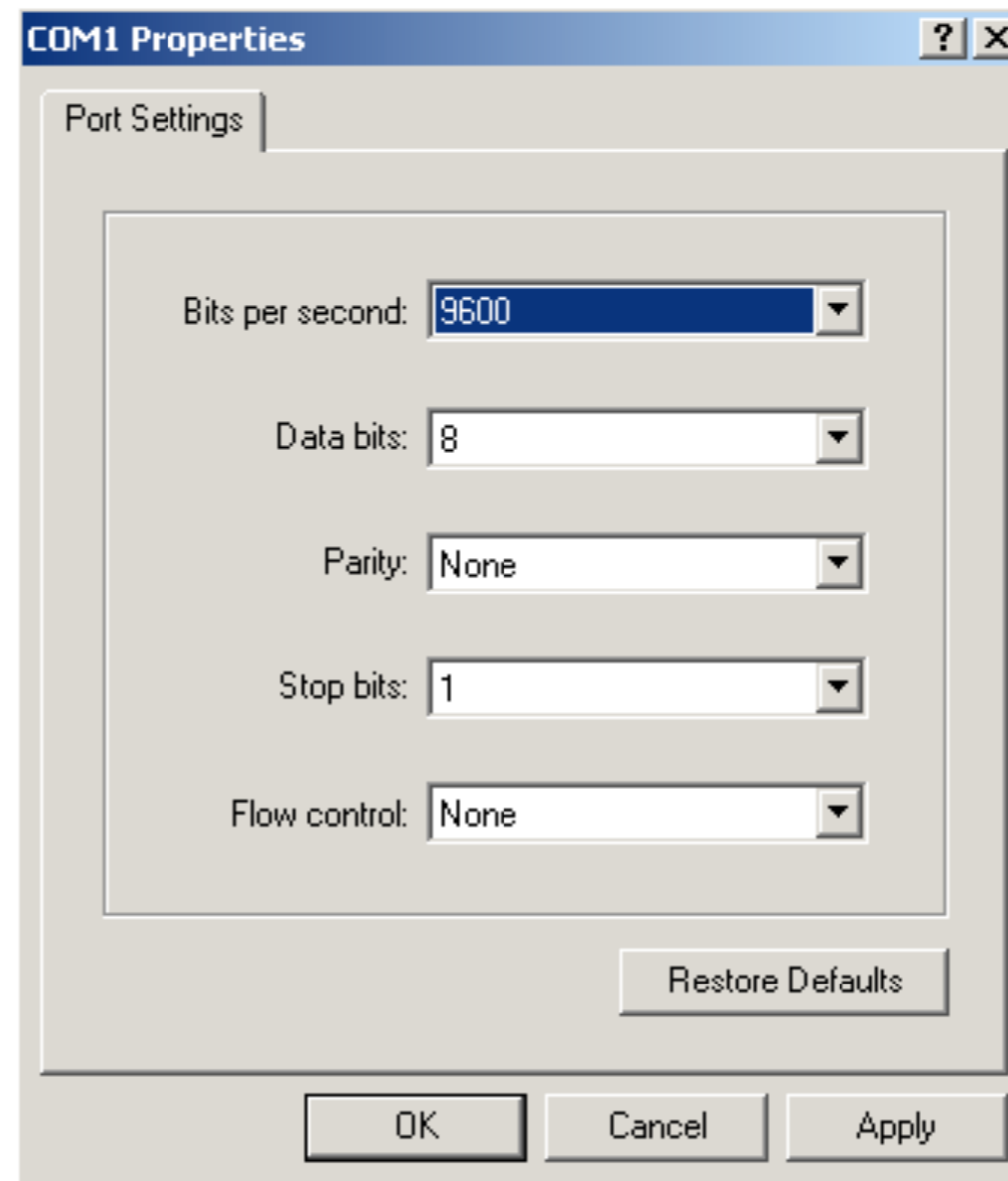
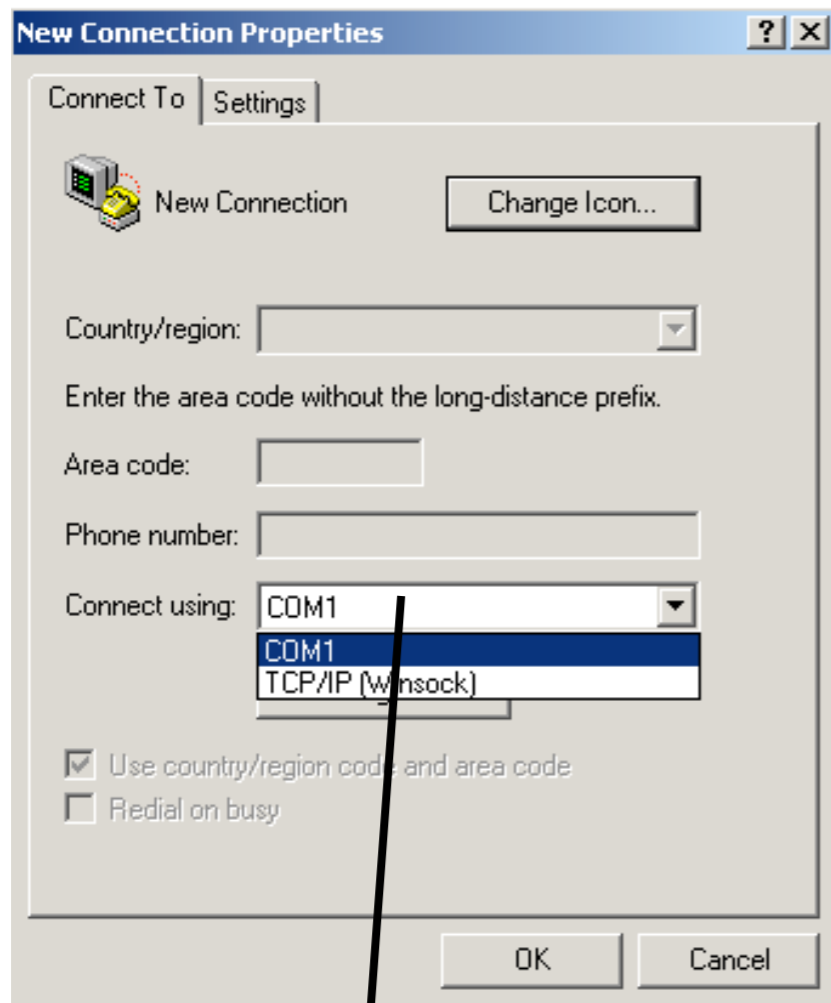


←
press enter after
changing
baudrate

↑
click to change baudrate to 9600

Serial Communication: Windows Software

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



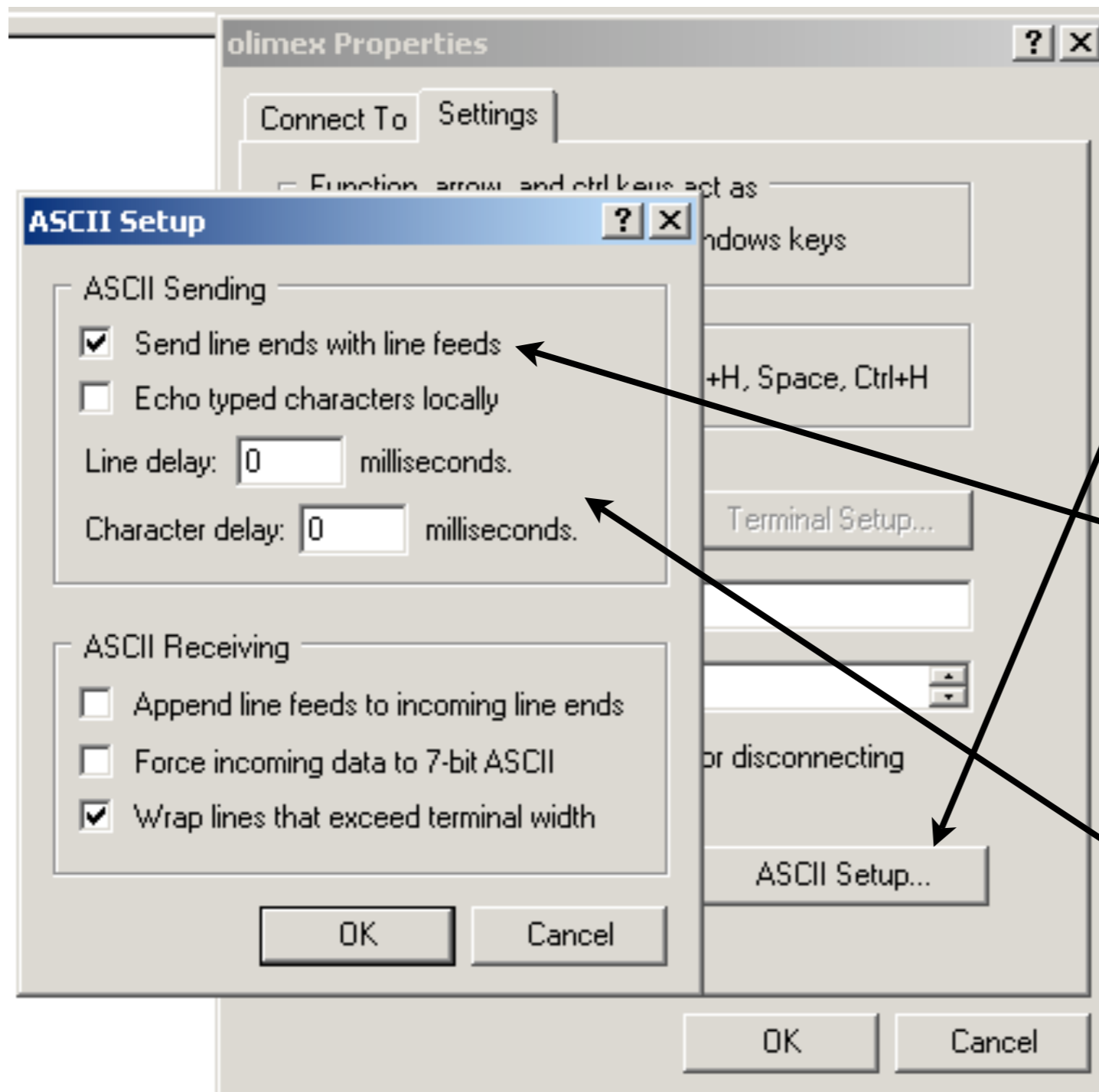
Baud rate
9600

flow
control to
none

Probably COM3 or COM4
Check device manager to be sure.

Serial Communication: Windows Software

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



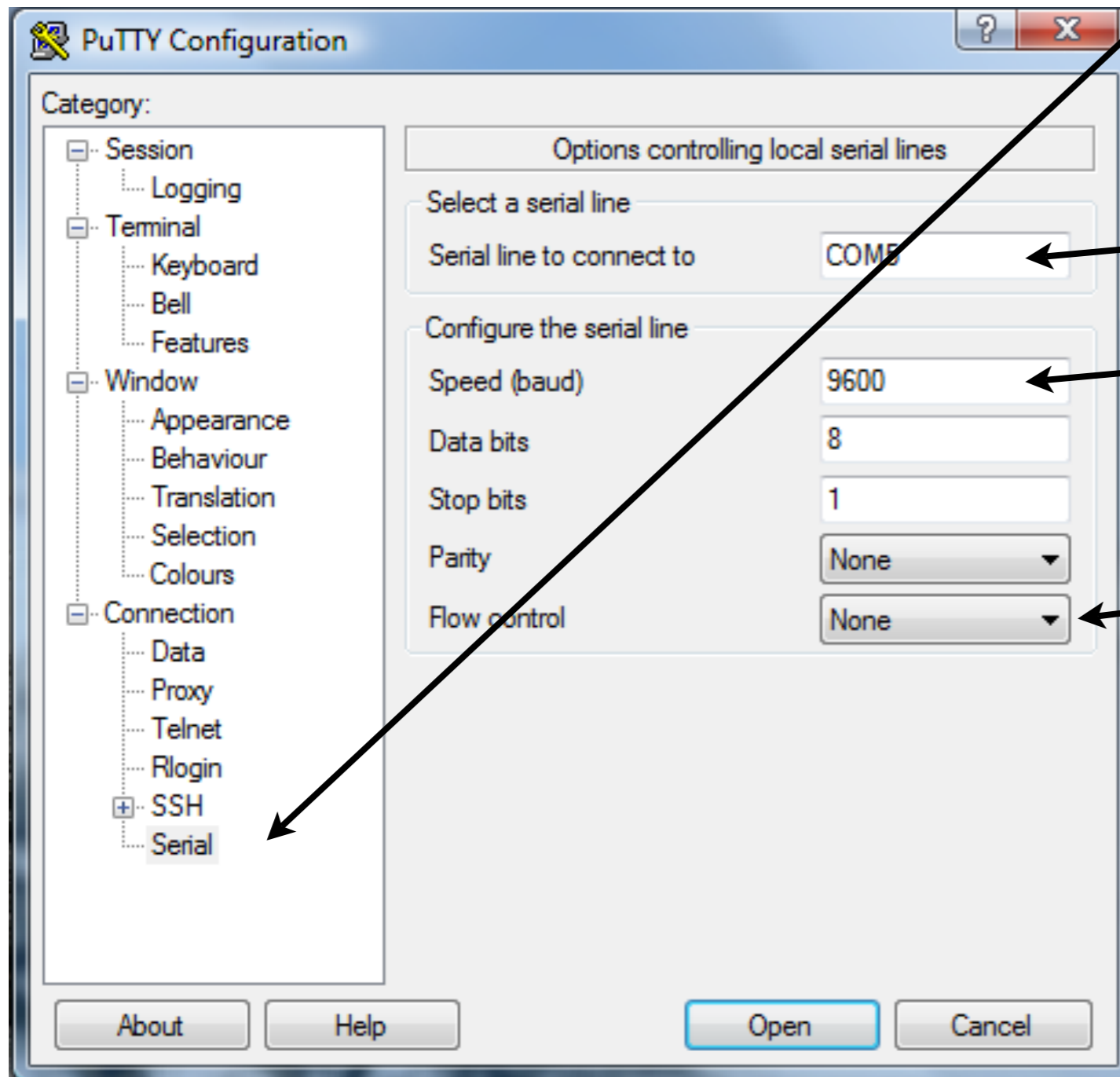
Open ASCII Setup in
Preferences

Toggle line ends option

Tweak the delay settings
if you are still
experiencing problems

Serial Communication: Windows Software

PuTTY



Serial connection options

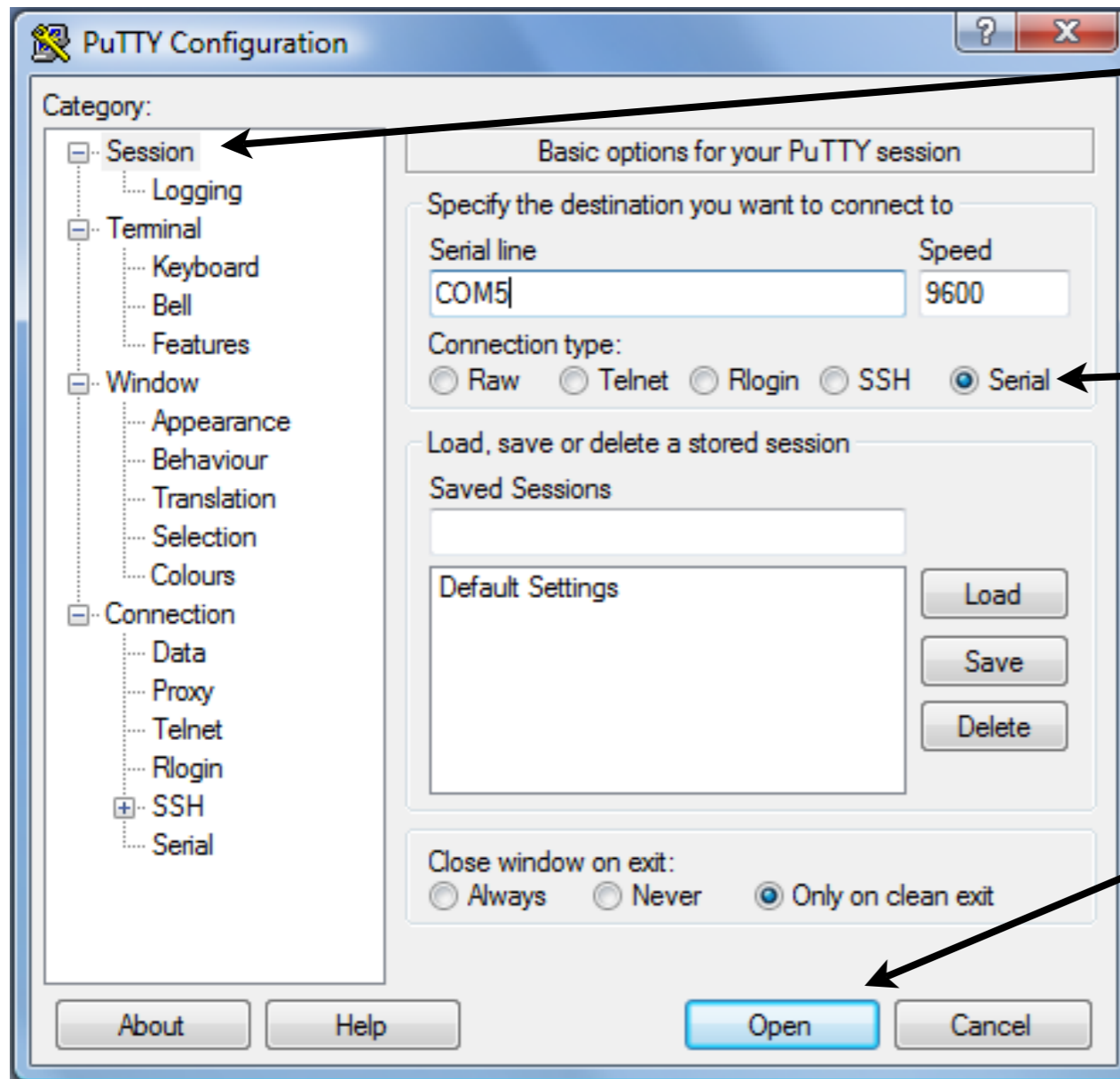
Serial device COM port (check device manager)

9600 baud

disable flow control

Serial Communication: Windows Software

PuTTY



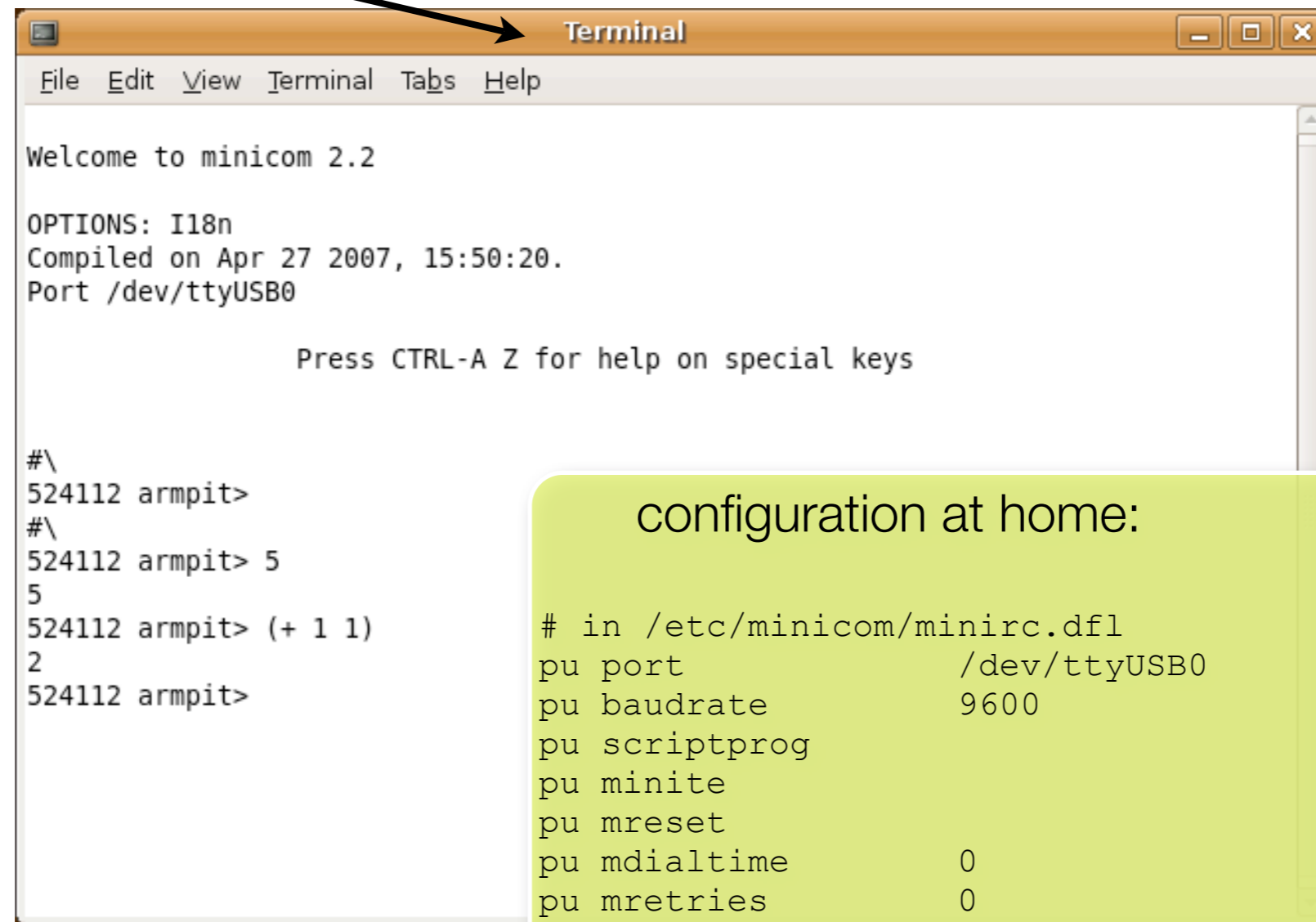
Session options

Select Serial connection type

Open the connection

Serial Communication: Linux Software

Open `minicom` in a terminal



A terminal window titled "Terminal" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The output shows the minicom 2.2 welcome message, options (I18n), compilation date (Apr 27 2007, 15:50:20), and port (/dev/ttyUSB0). It prompts to press CTRL-A Z for help on special keys. The user enters several commands: #\, 524112 armpit>, #\, 524112 armpit> 5, 5, 524112 armpit> (+ 1 1), 2, and 524112 armpit>.

```
Terminal
File Edit View Terminal Tabs Help

Welcome to minicom 2.2

OPTIONS: I18n
Compiled on Apr 27 2007, 15:50:20.
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
```

Serial Communication: Linux Software

Ubuntu linux trouble shooting

- I don't have `minicom` installed
 - `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)