

Terminal Applications

CS 220

Whether you're using a Mac or a Windows computer, connect your mbed board to your computer before running your terminal program below.

Mac Users

This might seem a bit confusing — your terminal application for interacting with the mbed board is the `screen` program, which you run from the `terminal` program.

1. Run the `terminal` program.
2. You need to find the mbed board's serial port device name. From the terminal prompt, run

```
ls /dev/tty.usbmodem*
```

For me, this returned `/dev/tty.usbmodem1412`. So, the device name for my mbed's serial port is `/dev/tty.usbmodem1412`. (Your device name will likely have a different number.)

3. Run `screen`, passing it the device name you found in the previous step:

```
screen /dev/tty.usbmodem1412
```

Output from your mbed board's `serial` interface should now be displayed by `screen`. It may help to reset the mbed board after running `screen`. (The reset button is between the two USB connectors on the KL25Z board.)

4. To close `screen`, type `control-a k`, then `y`.
5. Note that downloading a program onto the mbed board while `screen` is running will force `screen` to close.

Windows Users

1. Run `Tera Term`. The *New connection* dialog window will open. Select the `Serial` radio button and choose the mbed `Serial Port`.

Output from your mbed board's `serial` interface should now be displayed by `Tera Term`. It may help to reset the mbed board after establishing the serial connection. (The reset button is between the two USB connectors on the KL25Z board.)

2. Use the *Setup* menu to change font, window, etc. sizes. Note that setup changes have to be saved manually.
3. Downloading a program while `Tera Term` is connected to the mbed *seems* to leave `Tera Term` connected to the mbed. Your mileage may vary.