```
Last login: Sun Mar 16 23:31:24 on console
nmbrs-air:∼ nmbr$ history
      defaults write com.apple.dashboard mcx-disabled -boolean YES
   2
      killall dock
      killall Dock
    3
    4 sudo launchctl remove com.apple.notificationcenterui.agent
      launchetl remove com.apple.notificationcenterui.agent
      /Users/nmbr/Development/adt-bundle-mac-x86_64-20131030/sdk/platform-tools
/adb ; exit;
    7 /Users/nmbr/Development/adt-bundle-mac-x86_64-20131030/sdk/tools/android
; exit;
    8 /Users/nmbr/Development/adt-bundle-mac-x86_64-20131030/sdk/platform-tools
/adb ; exit;
    9 /Users/nmbr/Development/adt-bundle-mac-x86_64-20131030/sdk/tools/android
; exit;
      /Users/nmbr/Development/adt-bundle-mac-x86 64-20131030/sdk/tools/android
   10
; exit;
   11
      defaults write com.apple.Finder AppleShowAllFiles TRUE
   12
       export ANDROID HOME=/Users/nmbr/Development/adt-bundle-mac-x86 64-2013103
  13
      /System/Library/Frameworks/JavaVM.framework/Versions/A/Commands/javac ; e
xit;
   14 /Users/nmbr/Development/adt-bundle-mac-x86_64-20131030/sdk/tools/android
; exit;
  15
      /Library/Java/JavaVirtualMachines/jdk1.7.0_51.jdk/Contents/Home/bin/javac
 ; exit;
      sudo port install libusb
   16
      /Users/nmbr/Downloads/Adafruit-Trinket-Gemma-Bootloader-master/Makefile;
   17
 exit;
      /Users/nmbr/Downloads/Adafruit-Trinket-Gemma-Bootloader-master/Makefile ;
   18
 exit;
   19
      /Users/nmbr/Downloads/Adafruit-Trinket-Gemma-Bootloader-master/Makefile ;
 exit;
  20
      cd /Users/nmbr/Downloads
  21
      cd /Users/nmbr/Downloads/documents-export-2014-03-15
  22
      ls
  23
  24
      avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboardspace.hex -F -D
      avrdude -c usbtiny -p attiny85 -U lfuse:w:0xc1:m -U hfuse:w:0xdf:m -U efu
se:w:0xff:m -F
      avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboardup.hex -F -D
   26
      avrdude -c usbtiny -p attiny85 -U lfuse:w:0xc1:m -U hfuse:w:0xdf:m -U efu
se:w:0xff:m -F
  28
      cd /Users/nmbr/Downloads
      avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboard.hex -F -D
      avrdude -c usbtiny -p attiny85 -U lfuse:w:0xc1:m -U hfuse:w:0xdf:m -U efu
se:w:0xff:m -F
      avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboard.hex -F -D
      avrdude -c usbtiny -p attiny85 -U lfuse:w:0xc1:m -U hfuse:w:0xdf:m -U efu
se:w:0xff:m -F
      avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboard.hex -F -D
      avrdude -c usbtiny -p attiny85 -U lfuse:w:0xc1:m -U hfuse:w:0xdf:m -U efu
```

```
se:w:0xff:m -F
   35 avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboard.hex -F -D
   36 avrdude -c usbtiny -p attiny85 -U flash:w:1KeyKeyboard.hex -F -D
       avrdude -c usbtiny -p attiny85 -U lfuse:w:0xc1:m -U hfuse:w:0xdf:m -U efu
   37
se:w:0xff:m -F
   38
      cd /Users/nmbr/Downloads/Trinket-flash me
   39 ls
   40 avrdude -c usbtiny -p attiny85 -b 19200 -U flash:w:flash_me_lv.hex:i
   41 avrdude -c usbtiny -p attiny85 -U lfuse:w:0xF1:m -U hfuse:w:0xD5:m -U efu
se:w:0xFE:m
   42
      avrdude -c usbtiny -p attiny85 -U lfuse:w:0xF1:m -U hfuse:w:0xD5:m -U efu
se:w:0xFE:m
      cd /Users/nmbr/Downloads/Adafruit-Trinket-Gemma-Bootloader-master
   43
   44
   45
      make
   46
      make
   47
      makefile
   48
      make /Users/nmbr/Downloads/Adafruit-Trinket-Gemma-Bootloader-master/Makef
ile
   49
      make osccal.c
   50 make boot.c
   51 make usbtiny
   52
      make -c usbtiny -p attiny85
   53
      make -c usbtiny -p attiny85
   54
      make
      make all
   55
      sudo make all -F
   56
   57
      sudo make all
   58 /opt/local/bin/avrdude; exit;
   59
      /opt/local/bin/avrdude ; exit;
   60 /Users/nmbr/Downloads/micronucleus-master\ 2/firmware/Makefile ; exit;
   61
      history
   62 cd /Users/nmbr/Downloads/Trinket-flash_me
   63 avrdude -c usbtiny -p attiny85 -b 19200 -U flash:w:flash_me_lv.hex:i
   64 avrdude -c usbtiny -p attiny85 -U lfuse:w:0xF1:m -U hfuse:w:0xD5:m -U efu
se:w:0xFE:m
   65 cd /Users/nmbr/Downloads/micronucleus-master\ 2
   66 ls
   67 history
nmbrs-air:~ nmbr$ cd /Users/nmbr/Downloads/micronucleus-master\ 2
nmbrs-air:micronucleus-master 2 nmbr$ ls
Contributing.txt
                                firmware
License.txt
                                micronucleus-t85_winDriver.zip
Readme.txt
                                ruby
Style Guide.txt
                                upgrade
commandline
nmbrs-air:micronucleus-master 2 nmbr$ cd firmware
nmbrs-air:firmware nmbr$ ls
Makefile
                        main.c
                                                usbconfig.h
bootloaderconfig.h
                        osccalASM.S
                                                usbdrv
crt1.S
                        releases
nmbrs-air:firmware nmbr$ cd relases
```

```
-bash: cd: relases: No such file or directory
nmbrs-air:firmware nmbr$ cd releases
nmbrs-air:releases nmbr$ ls
micronucleus-1.02.hex
                                    micronucleus-1.06.hex
micronucleus-1.03-2secs.hex
                                    micronucleus-1.10-ledpb1.hex
micronucleus-1.03-5secs.hex
                                    micronucleus-1.10.hex
micronucleus-1.04-low-power.hex
                                    micronucleus-1.11-entry_ext_reset.hex
micronucleus-1.04.hex
                                    micronucleus-1.11-entry_jumper_pb0.hex
micronucleus-1.05-iumper.hex
                                    micronucleus-1.11-ledpb1.hex
micronucleus-1.05.hex
                                    micronucleus-1.11.hex
micronucleus-1.06-jumper-v2.hex
                                    release notes.txt
nmbrs-air:releases nmbr$ cd firmwareavrdude -c usbtiny -p attiny85 -b 19200 -U f
lash:w:micronucleus-1.03-2secs.hex:i
-bash: cd: firmwareavrdude: No such file or directory
nmbrs-air:releases nmbr$ ls
micronucleus-1.02.hex
                                    micronucleus-1.06.hex
micronucleus-1.03-2secs.hex
                                    micronucleus-1.10-ledpb1.hex
micronucleus-1.03-5secs.hex
                                    micronucleus-1.10.hex
micronucleus-1.04-low-power.hex
                                    micronucleus-1.11-entry_ext_reset.hex
micronucleus-1.04.hex
                                    micronucleus-1.11-entry_jumper_pb0.hex
micronucleus-1.05-jumper.hex
                                    micronucleus-1.11-ledpb1.hex
micronucleus-1.05.hex
                                    micronucleus-1.11.hex
micronucleus-1.06-jumper-v2.hex
                                    release notes.txt
nmbrs-air:releases nmbr$ cd firmwareavrdude -c usbtiny -p attiny85 -b 19200 -U f
lash:w:micronucleus-1.03-2secs.hex
-bash: cd: firmwareavrdude: No such file or directory
nmbrs-air:releases nmbr$ avrdude -c usbtiny -p attiny85 -b 19200 -U flash:w:micr
onucleus-1.03-5secs.hex:i
avrdude: AVR device initialized and ready to accept instructions
avrdude: Device signature = 0x1e930b
avrdude: NOTE: "flash" memory has been specified, an erase cycle will be perform
ed
        To disable this feature, specify the -D option.
avrdude: erasing chip
avrdude: reading input file "micronucleus-1.03-5secs.hex"
avrdude: writing flash (8144 bytes):
avrdude: 8144 bytes of flash written
avrdude: verifying flash memory against micronucleus-1.03-5secs.hex:
avrdude: load data flash data from input file micronucleus-1.03-5secs.hex:
avrdude: input file micronucleus-1.03-5secs.hex contains 8144 bytes
avrdude: reading on-chip flash data:
avrdude: verifying ...
```

avrdude: 8144 bytes of flash verified

avrdude: safemode: Fuses OK (H:FE, E:DD, L:E1)

avrdude done. Thank you.

nmbrs-air:releases nmbr\$