AVRDUDE

General command, check other flag commands in help.
INICIAR
Executar
Escrever na consola “cmd”
Escrever commando abaixo:
avrdude -P COM1 -b 9600 -p m328p -c ponyser -U flash:w:<hexfilename> -U lfuse:w:0xXX:m -U hfuse:w:0xXX:m -U efuse:w:0xXX:m
-v

Firmware arduino

```
To burn (Uno):
avrdude -p at90usb82 -F -P usb -c avrispmkii -U flash:w:UNO-
dfu_and_usbserial_combined.hex -U lfuse:w:0xFF:m -U hfuse:w:0xD9:m -U
efuse:w:0xF4:m -U lock:w:0x0F:m

avrdude -p at90usb82 -F -P COM1 -c ponyser -U flash:w:UNO-
dfu_and_usbserial_combined.hex -U lfuse:w:0xFF:m -U hfuse:w:0xD9:m -U
efuse:w:0xF4:m -U lock:w:0x0F:m

avrdude -p at90usb82 -F -P COM1 -c ponyser -U flash:r:flash.bin:r –U
lfuse:w:0xFF:m –U hfuse:w:0xD9:m -U efuse:w:0xF4:m -U lock:w:0x0F:m -v

To burn (Mega 2560):
avrdude -p at90usb82 -F -P usb -c avrispmkii -U flash:w:MEGA-
dfu_and_usbserial_combined.hex -U lfuse:w:0xFF:m -U hfuse:w:0xD9:m -U
efuse:w:0xF4:m -U lock:w:0x0F:m
```

note: after the above install drivers that come with the software.

atmega328p

```
avrdude -p m328p -P COM1 -c ponyser -U flash:w:
ATmegaBOOT_168_atmega328.hex -U lfuse:w:0xFF:m -U hfuse:w:0xDA:m -U
efuse:w:0x05:m

avrdude -p m328p -P COM1 -c ponyser -U flash:r:flash.bin:r -U
lfuse:w:0xFF:m –U hfuse:w:0xDA:m -U efuse:w:0x05:m -v

avrdude -p m328p -P COM1 -c ponyser -U lfuse:w:0xFF:m –U
hfuse:w:0xDA:m -U efuse:w:0x05:m -v

avrdude -p m328p -P COM1 -c ponyser -U lfuse:r:lfuse.txt:r –U
hfuse:r:hfuse.txt:r -U efuse:r:efuse.txt:r lock:r:lock.txt:r -v

NOTE: always program fuses because at third write without fuse setting
they are lost.
```

POLOLU

Pololu USB AVR Programmer Programming Port (COM1)

```
avrdude -p m328p -P COM1 -c stk500v2 -U lfuse:r:lfuse.txt:r –U
hfuse:r:hfuse.txt:r -U efuse:r:efuse.txt:r lock:r:lock.txt:r -v
```

C:\Documents and Settings\sergio>avrdude -p at90usb82 -F -P COM1 -c ponyser -U f
lash:w:Arduino-usbserial-uno.hex

C:\Documents and Settings\sergio>avrdude -p at90usb82 -F -P COM1 -c ponyser -U f
lash:w:Arduino-usbserial-uno.hex

Arduino uno atmega8u2

C:\Documents and Settings\sergio>avrdude -p at90usb82 -F -P COM1 -c ponyser -U f
lash:w:Arduino-usbserial-uno.hex

C:\Documents and Settings\sergio>avrdude -p at90usb82 -F -P COM1 -c ponyser -U f
lash:w:Arduino-usbserial-uno.hex

C:\Documents and Settings\sergio>avrdude -p at90usb82 -F -P COM1 -c ponyser -U f
lash:w:Arduino-usbserial-uno.hex

C:\Documents and Settings\sergio>avrdude -p at90usb82 -F -P COM1 -c ponyser -U f
lash:w:Arduino-usbserial-uno.hex

NOTE: usando arduino software o UNO é usado como uma placa duemilinove ao escolher placa no softaware.