

Debugging Tools

- Grabserial

Grabserial

Install

```
sudo apt-get install python-setuptools
git clone https://github.com/tbird20d/grabserial.git
cd grabserial
sudo python setup.py install
```

```
voodoo@work-e6400:~$ grabserial --help
grabserial : Serial line reader
      Usage: grabserial [options] <config_file>
options:
  -h, --help                Print this message
  -d, --device=<devpath>   Set the device to read (default '/dev/ttyS0')
  -b, --baudrate=<val>     Set the baudrate (default 115200)
  -w, --width=<val>        Set the data bit width (default 8)
  -p, --parity=<val>       Set the parity (default N)
  -s, --stopbits=<val>     Set the stopbits (default 1)
  -x, --xonxoff             Enable software flow control (default off)
  -r, --rtscts             Enable RTC/CTS flow control (default off)
  -e, --endtime=<secs>    End the program after the specified seconds have
                           elapsed.
  -c, --command=<cmd>     Send a command to the port before reading
  -t, --time               Print time for each line received. The time is
                           when the first character of each line is
                           received by grabserial
  -m, --match=<pat>       Specify a regular expression pattern to match to
                           set a base time. Time values for lines after
the
                           line matching the pattern will be relative to
                           this base time.
  -i, --instantpat=<pat>  Specify a regular expression pattern to have
its time
                           reported at end of run. Works mid-line.
  -q, --quitpat=<pat>     Specify a regular expression pattern to end the
                           program. Works mid-line.
  -l, --launchtime        Set base time from launch of program.
  -v, --verbose           Show verbose runtime messages
  -V, --version           Show version number and exit
Ex: grabserial -e 30 -t -m "^Linux version.*"
This will grab serial input for 30 seconds, displaying the time for
each line, and re-setting the base time when the line starting with
"Linux version" is seen.
```

Usage

```
grabserial -v -d '/dev/ttyUSB1' -e 30 -t -m "Starting kernel.*"
```