

JTAGbox Installation Manual For Linux

1. Open a terminal on your computer and install the openocd package by typing the following command.

```
sudo apt-get install openocd
```

2. After the openocd installation, download the JTAGbox configuration file by typing the following command.

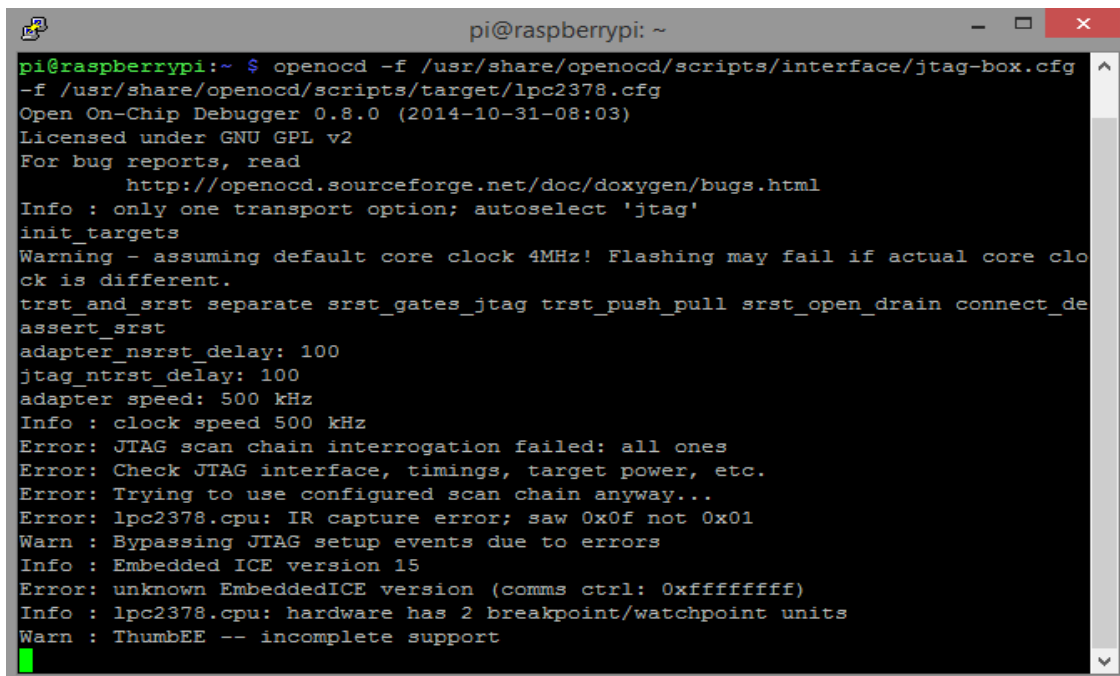
```
wget ftp://bitrelle.com/jtag-box.cfg
```

3. Move the downloaded configuration file to the openocd folder. Enter the command

```
sudo mv jtag-box.cfg /usr/share/openocd/scripts/interface/jtag-box.cfg
```

4. Connect your JTAGbox to your computer and type the following command. It should appear like the figure below.

```
openocd -f /usr/share/openocd/scripts/interface/jtag-box.cfg -f /usr/share/openocd/scripts/target/lpc2378.cfg
```



```
pi@raspberrypi: ~
pi@raspberrypi:~ $ openocd -f /usr/share/openocd/scripts/interface/jtag-box.cfg
-f /usr/share/openocd/scripts/target/lpc2378.cfg
Open On-Chip Debugger 0.8.0 (2014-10-31-08:03)
Licensed under GNU GPL v2
For bug reports, read
    http://openocd.sourceforge.net/doc/doxygen/bugs.html
Info : only one transport option; autoselect 'jtag'
init_targets
Warning - assuming default core clock 4MHz! Flashing may fail if actual core clock is different.
trst_and_srst separate srst_gates_jtag trst_push_pull srst_open_drain connect_de
assert_srst
adapter_nsrst_delay: 100
jtag_nrst_delay: 100
adapter speed: 500 kHz
Info : clock speed 500 kHz
Error : JTAG scan chain interrogation failed: all ones
Error : Check JTAG interface, timings, target power, etc.
Error : Trying to use configured scan chain anyway...
Error : lpc2378.cpu: IR capture error; saw 0x0f not 0x01
Warn : Bypassing JTAG setup events due to errors
Info : Embedded ICE version 15
Error : unknown EmbeddedICE version (comms ctrl: 0xffffffff)
Info : lpc2378.cpu: hardware has 2 breakpoint/watchpoint units
Warn : ThumbEE -- incomplete support
```

Notice that the last line of the message from openocd says 'Warn : ThumbEE – incomplete support'. That is so if you don't have a target MCU connected to your JTAGbox.