

How to get `noForth` in the MSP430G2553 on Launchpad? (Linux)

What's needed?

- MSP430G2553 Launchpad
- noForth intelhex file (with extension `.a43`)
- Flash programmer (`mispdebug`)

How to get `mispdebug`

On Linux system's where configuration works with `.deb` files you can get `mispdebug` with

```
apt-get install mispdebug
```

What to do?

1. Put the RS232 jumpers in the 'hardware' position (see documentation)
2. Connect the launchpad. The usb system may need some time to detect the device. You can see whether the connection has been established by using

```
lsusb
```

A device with Texas Instrument in it, and usb identification 0451:f432 should show up. The device can also be seen with

```
ls -ltr /dev
```

`ls` also shows to what group the Launchpad device belongs, probably `plugdev`. Users that want to use the Launchpad must be added to this group to improve their privileges (*man adduser*).

3. Start `mispdebug` with the correct configuration

```
mispdebug rf2500
```

`mispdebug` finds out what microprocessor is connected.

4. Issue a program command
 - `erase all`
 - `prog <intelhex.a43>`
 - `exit`
5. Disconnect and reconnect until you see the device again.