

september 2018, february 2020



noForth website

# How to get noForth in the MSP430? (Windows/Linux/Apple)

## What's needed?

- Any MSP430FRxxxx or MSP430Gxxxx
- Flash programmer software (UniFlash 4.5.0), link:  
[http://processors.wiki.ti.com/index.php/Category:CCS\\_UniFlash](http://processors.wiki.ti.com/index.php/Category:CCS_UniFlash)

## What to do?

- Connect the board, wait for the beep
- Start UniFlash 4.5.0

A programming session: this example is for the MSP430FR2355, but the method may be used on all MSP430Gxxxx and MSP430FRxxxx.

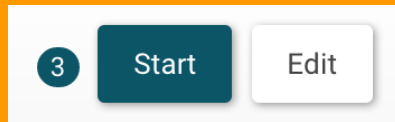
1

This is a screenshot of the 'Choose Your Device' window in UniFlash. The window has a title bar with a teal circle containing the number '1' and the text 'Choose Your Device'. Below the title bar, there is a category filter bar with the text 'Category: All | C2000 | mmWave | MSP | PGA | Safety | Tiva | UCD | Wireless', where 'MSP' is highlighted in teal. Below this is a search bar with a magnifying glass icon, the text 'Enter Device Name (585 Available)', and a close button (X). Below the search bar, the text 'Category: MSP' is displayed, followed by 'Select: MSP430FR2355'.

2

This is a screenshot of the 'Choose Your Connection' window in UniFlash. The window has a title bar with a teal circle containing the number '2' and the text 'Choose Your Connection'. Below the title bar, there is a search bar with a magnifying glass icon, the text 'Enter Connection Name (3 Available)', and a close button (X). Below the search bar, a list of connections is shown: 'TI MSP430 USB1', 'TI MSP430 USB2', and 'TI MSP430 USB3'. Below the list, the text 'Select: TI MSP430 USB1' is displayed.

3



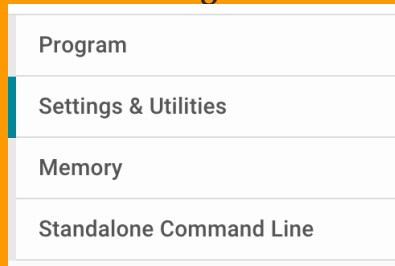
Now select a flash image using the green **Browse** button.



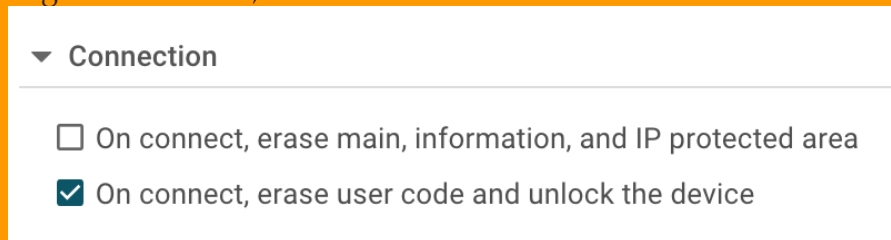
Select the wanted noForth image from the file list.

4a

Select: **Setting & Utilities** for the MSP430FR (in the menu on your left)

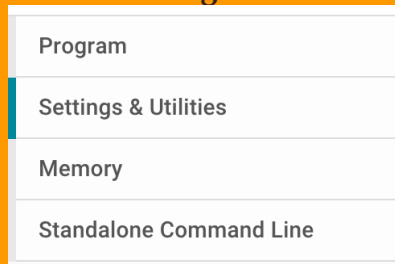


Tag: On connect, erase user code and unlock the device

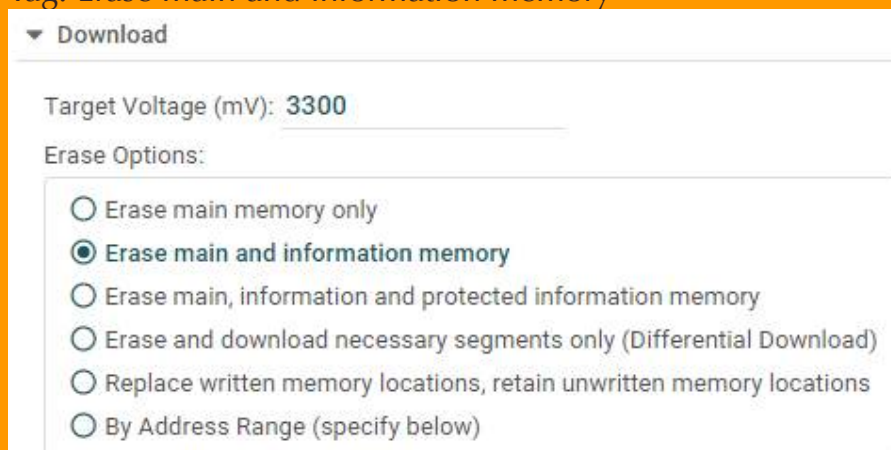


4b

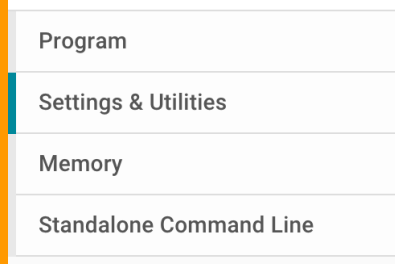
Select: **Setting & Utilities** for the MSP430G (in the menu on your left)



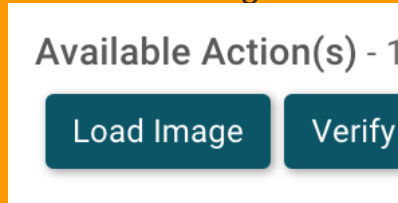
Tag: Erase main and information memory



Select: **Program** (again, in the menu on your left)



Click: **Load Image**



When no error occurs the message [SUCCESS] appears in the console below.

Now click: **Session** (In the upper left red bar)

Click: **Save Session** (And click the **save** button in lower left corner)

Now the software will remember all settings.