

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

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

A screenshot of the UniFlash software interface. The title bar reads "1 Choose Your Device". Below the title bar is a navigation menu with categories: "All | C2000 | mmWave | MSP | PGA | Safety | Tiva | UCD | Wireless". A search bar contains the text "Enter Device Name (585 Available)". Below the search bar, the selected category is "MSP" and the selected device is "MSP430FR2355".

Category: **MSP**
Select: **MSP430FR2355**

2

A screenshot of the UniFlash software interface. The title bar reads "2 Choose Your Connection". Below the title bar is a search bar containing "Enter Connection Name (3 Available)". A list of three connection options is displayed: "TI MSP430 USB1", "TI MSP430 USB2", and "TI MSP430 USB3". The first option, "TI MSP430 USB1", is selected.

Select: **TI MSP430 USB1**

3

Start

Edit

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

Flash Image(s)

Select the wanted noForth image from the file list.

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

Program
Settings & Utilities
Memory
Standalone Command Line

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

▼ Connection

On connect, erase main, information, and IP protected area

On connect, erase user code and unlock the device

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

Program
Settings & Utilities
Memory
Standalone Command Line

Tag: Erase main and information memory

▼ Download

Target Voltage (mV): 3300

Erase Options:

Erase main memory only

Erase main and information memory

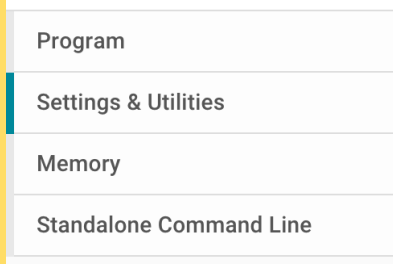
Erase main, information and protected information memory

Erase and download necessary segments only (Differential Download)

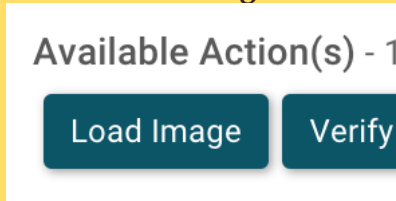
Replace written memory locations, retain unwritten memory locations

By Address Range (specify below)

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.