02febr2020

# noForth

noForth website

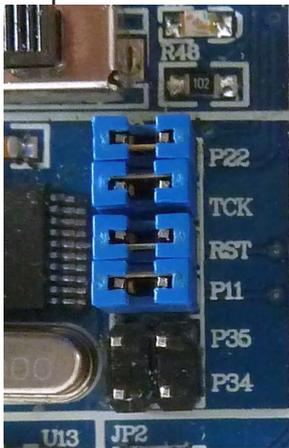# How to get noForth in the MSP430F149? (Windows)

## What's needed?

- MSP430F149 on Dupont board, Minim Core board or Mini-V3 board
- noForth intelhex file (with extension .a43)
- Flash programmer MSPFet (http://kurt.on.ufanet.ru/).
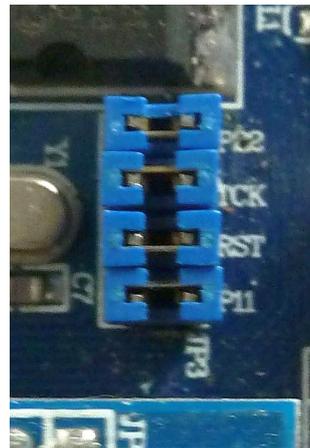  **Note:** this program runs only on prehistoric Windows systems.

## What to do?

1. Put jumpers in bootloader position

| Dupont board | Minim core board | Mini-v3 board |
|---|---|---|



2. Connect the board and wait for beep
3. Start MSPFet
4. Select MSP430F149 in the checkbox

5. Click SETUP and check the list under 'Current adapter settings':

```
Checkbox           BSL

Port               Correct com-port for used board

Patch to v 1.60    True

38400 baud         False

Keep port open     False

TST invert         True

RST invert         True

RST delay          100
```

Then click OK (MSPFet will remember your changes)

6. Click File, then open and select correct Intel-Hex file.

7. Click AUTO and wait until 'Verify complete' is printed. The board is reset automatically, so leds should light up when ready.

8. Place jumpers back in the communication position.

USB and Windows form a messy combination and it could be that not the correct USB-driver is loaded. This is especially true for the Dupont board because it has a unique Chinese USB-to-RS232 chip.
We hope to find a solution for that problem.