

OPEN-UPS flashing guide

A) Flashing with a PIC programmer

SETUP:

J2 is the 1x5 vertical 100 mil pitch pin header for programming the device.

Pin J2.1 – is where the "RST" text is on the silk screen of the PCB

1) Connect the OPEN-UPS interface board to the ASIX-Presto as follows:

ASIX PRESTO	OPEN-UPS interfaceboard	OPEN-UPS
P1	J2.1(MCLR,RST)	Flat ribbon Cable.
P2	N/C	
P3	J2.3(+3..3V)	
P4	J2.2(GND)	
P5	J2.4(RB7/PGD)	
P6	J2.5(RB6/PGC)	
P7	N/C	
P8	N/C	

2) Launch ASIX Presto, set Idle power supply=None/External and Active power supply=External 2.7 to 5.5V;Programming method=HVP; see NOTE 2

3)Apply an external +12V to the VIN input or connect the device to the USB so that the device could produce the 3.3V needed for programming

4) Go to Device->Select Device and select (Device =PIC18F46J50)

5) Load the HEX file by selecting "Open"

Programming:

- 1) Attach the DUT to the programmer
- 2) Hit "Program" see NOTE1

NOTE1: Alternatively you can hit the "Go' button on the ASIX presto.

NOTE2:

For step 2) in case you use a different programmer capable of providing 3.3V other than ASIX-Presto you don't need external power to be applied to the device and the Active Power supply should be set to internal 3.3V. Skip step 3) in this case.

B) Flashing with USB Bootloader

Upgrading an existing firmware can be done via USB bootloader.

SETUP:

-Disconnect everything.

-Place a small jumper between J2.4 and J2.5 where the "BL" text is on the PCB silk screen

-plug it in the USB

-Start the Microchip USB HID Bootloader v2.6a provided

-Press Open Hex File

-Locate the hex file to be flashed

-Press Open

-Press Program/Verify