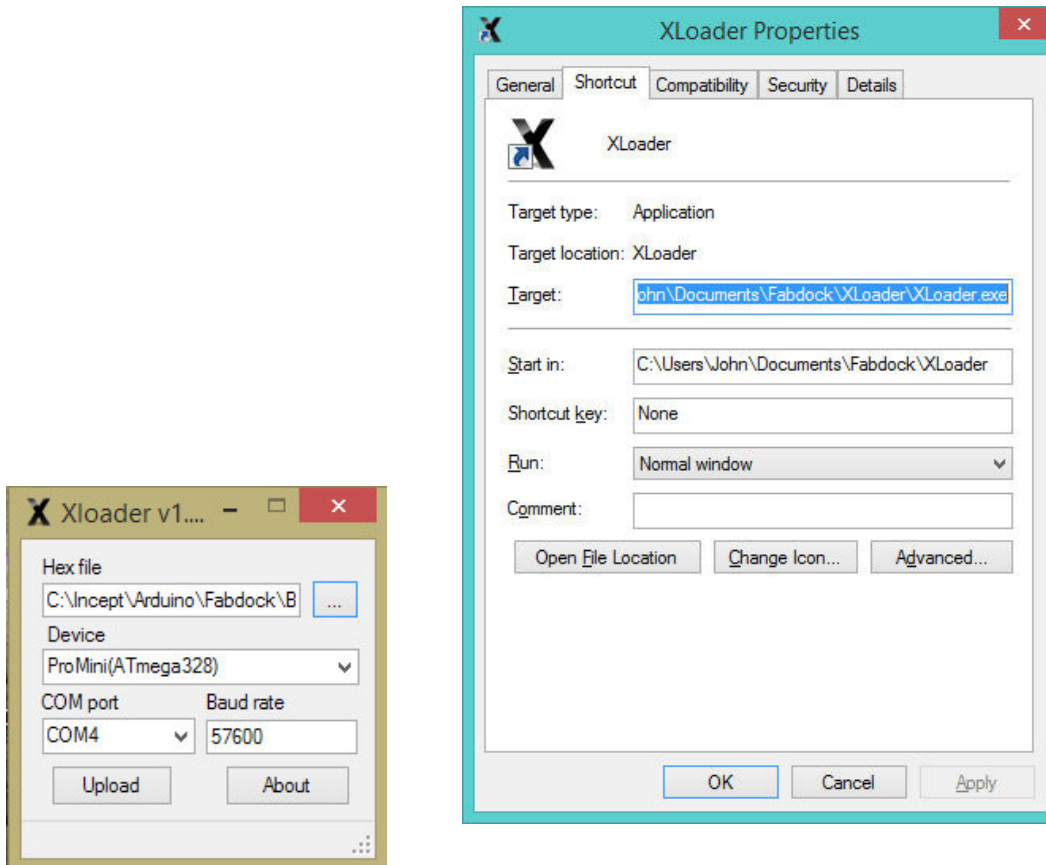# X-Loader for FAB Dock

Notes by John Booth 2018.

XLoader is a very small binary-file uploading utility for Fabdock microcontroller devices. It does not need to be installed into the Windows environment and can be executed directly from any location.

- Create a <Fabdock> folder in your computer, in Documents.

- Copy the whole XLoader folder from the <xloader.zip> file into that location Documents/Fabdock/.

- Create a shortcut on your Windows desktop to <XLoader.exe>.

- Plug in the USB interface cable to any USB port on your computer. The first time you connect the USB interface cable, Windows will search for and install the appropriate driver which might take a minute or so.

- Open XLoader.

- In the top drop-down field "Hex file" choose Fabdock controller version needed (in same XLoader Windows folder). These are latest versions and identifiable as controller versions 3, 4 or 5 with green fuse / glass fuse / 4ch display respectively.

- In the second drop-down choose "ProMini(ATmega328)".

- In the third drop-down select the COM port which shows up. This might be COM3 etc.

- Place the interface connector pins into the PCB programming holes on your Fabdock pump controller so the interface cable runs away from the controller. Keep a light bias (vertical loading) on the interface connector to the controller to ensure the pins all make contact without movement during upload.

- Click on <Upload> and wait until the message "xxxx bytes uploaded" is returned.

- Remove interface, upload completed.