

# Re-programing Pluto-IIx HDMI with the latest gcvideo release

1. Solder the white connector at the front of Pluto-IIx HDMI (if not already present).

Note: Soldering the connector is not strictly necessary. If you don't want to solder it, you can still program the board by inserting temporarily a white connector in the board, although establishing a reliable connection is a bit tricky this way.



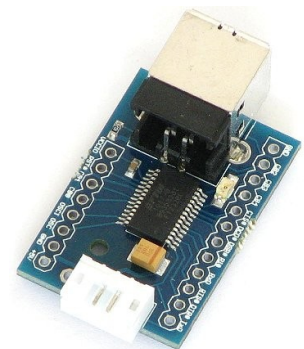
*Pluto-IIx HDMI*

2. Connect the TXDI/FTDI board to your Windows computer using a regular USB cable. Go to the device manager and make sure the device is recognized and the driver is installed.

If not, download the driver from <http://www.ftdichip.com/Drivers/VCP.htm> and install it manually.

Check the COM port reported by the device manager.

For example, we have COM3 here.



*TXDI/FTDI*

Connect the TXDI/FTDI to the Pluto-IIx HDMI white connector. If the white connector has not been soldered, put tension on the connector (either by hand or using a rubber band) to assure a reliable connection.

3. Download the latest “gcvideo-x.xx.p2xh-gc.zip” file from the [gcvideo release page](#) and extract the “gcvideo-dvi-p2xh-gc-x.xx.bit” bitfile.

4. Run FPGAconf.

- In the “Boards” menu, select “Pluto-IIx (XC3S200)”
- In the “Options” menu, select the COM port that you noted earlier from the device manager.

In FPGAconf, click on “...” and select the bitfile, then click on “Program boot-PROM”.

After a couple of minutes, FPGAconf should say “boot-PROM programmed and verified ok”.

Congratulations.