

Update Dark Time Firmware Mac OS X english

The file

1) **darktime_Vx.xx_fw_c_jjmmdd.zip**

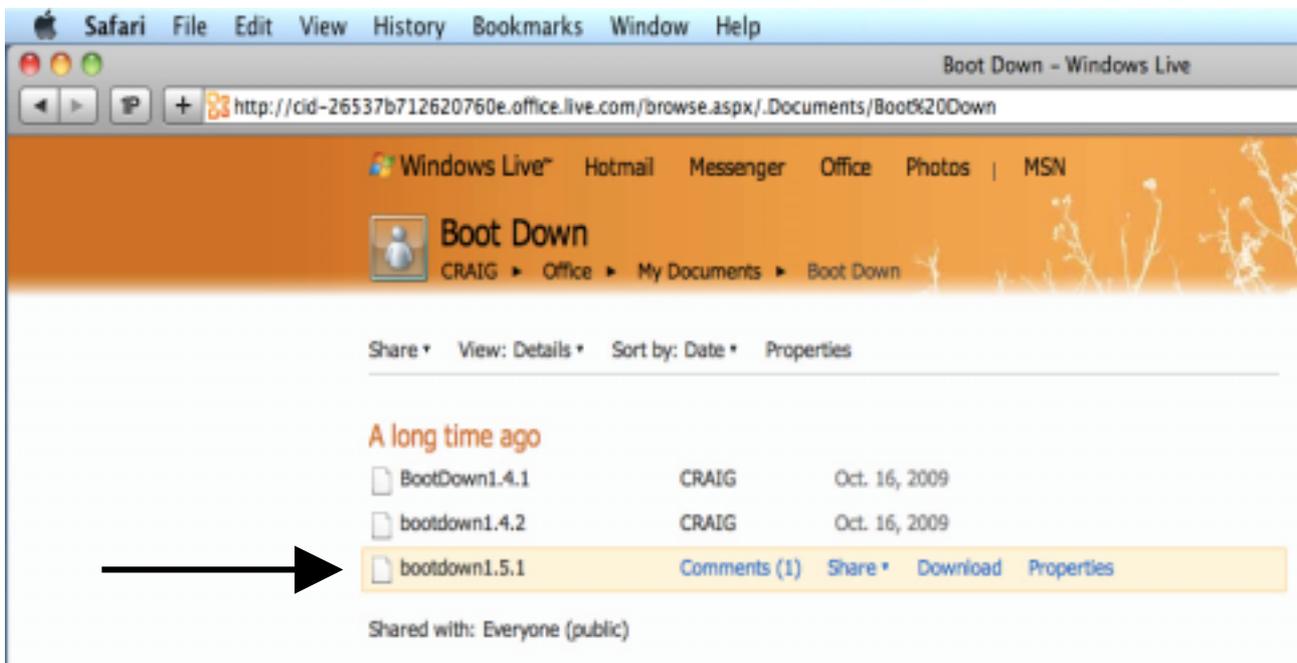
is the zipped file with the new firmware.

'Vx.xx' is the current version 'jjmmdd' the date when the version was compiled .

You should unzip the file and get a so named ...HEX file which is the file you can later download into the Darktime.

2) You now should download the update/flash application **BootDown 1.5.1** Image

<http://cid-26537b712620760e.office.live.com/browse.aspx/.Documents/Boot%20Down>



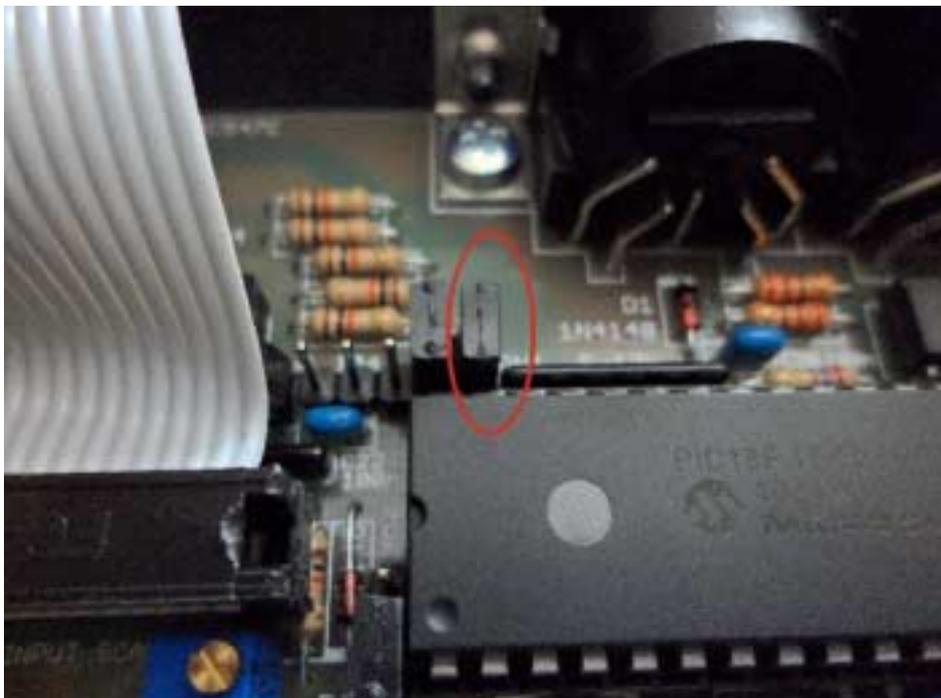
The link is also on our web site.

3) The bottom cover of the DarkTime has to be removed (four crosshead screws at the edges).

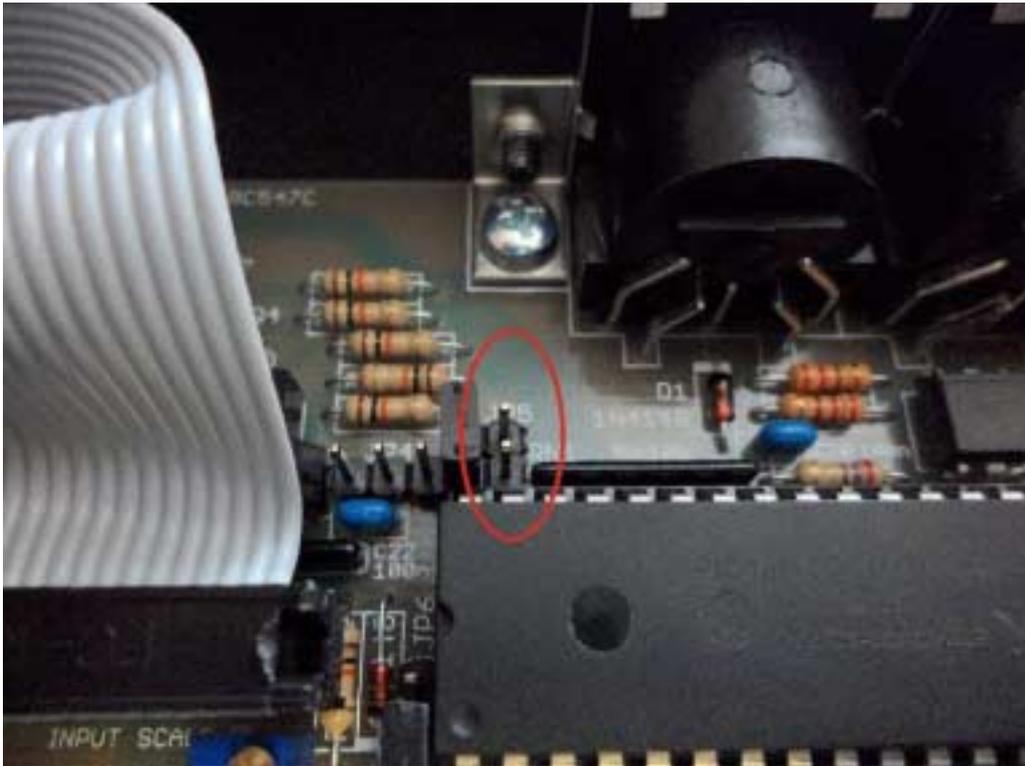


5) You should see the above situation.

In the red circle the region of the jumpers, we now need, are marked.
(could be 2 or 3 jumpers, depends of the DT version, here we have 2 jumpers)



Above Picture you now see which jumper we exactly need for starting the update mode.
(Red circle)



6) Remove only the one jumper marked with the red circle in the picture.

7) Connect the **DarkTime** with the **power supply**.

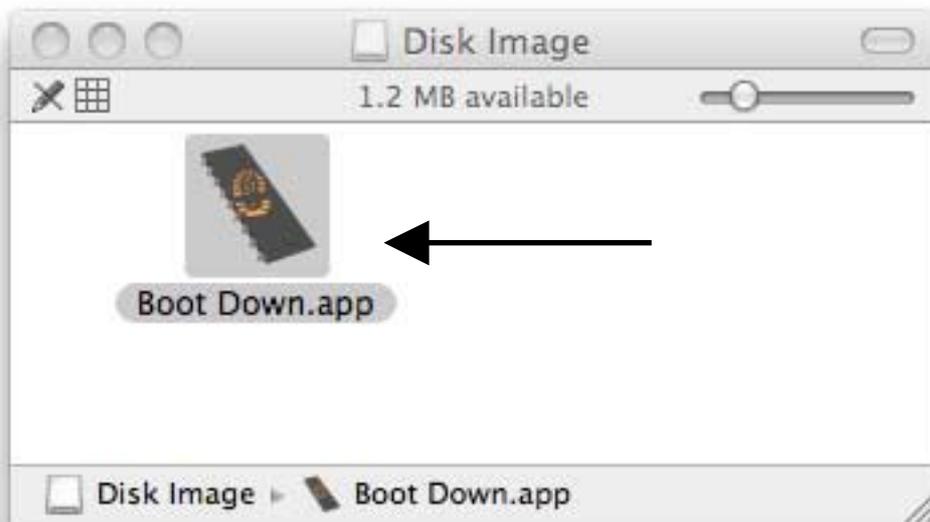
It seems now that the device didn't work any more, you will not get any reaction when you press any button/switch and leds will light in a random pattern.

If this is so, than it's o.k. and you're hopefully in the update mode, which is separated totally from the normal operation mode.

Connect **DarkTime** and **MAC** with the **USB cable**.

8) Start "Boot Down.app" you've downloaded before.

If not, download it now.

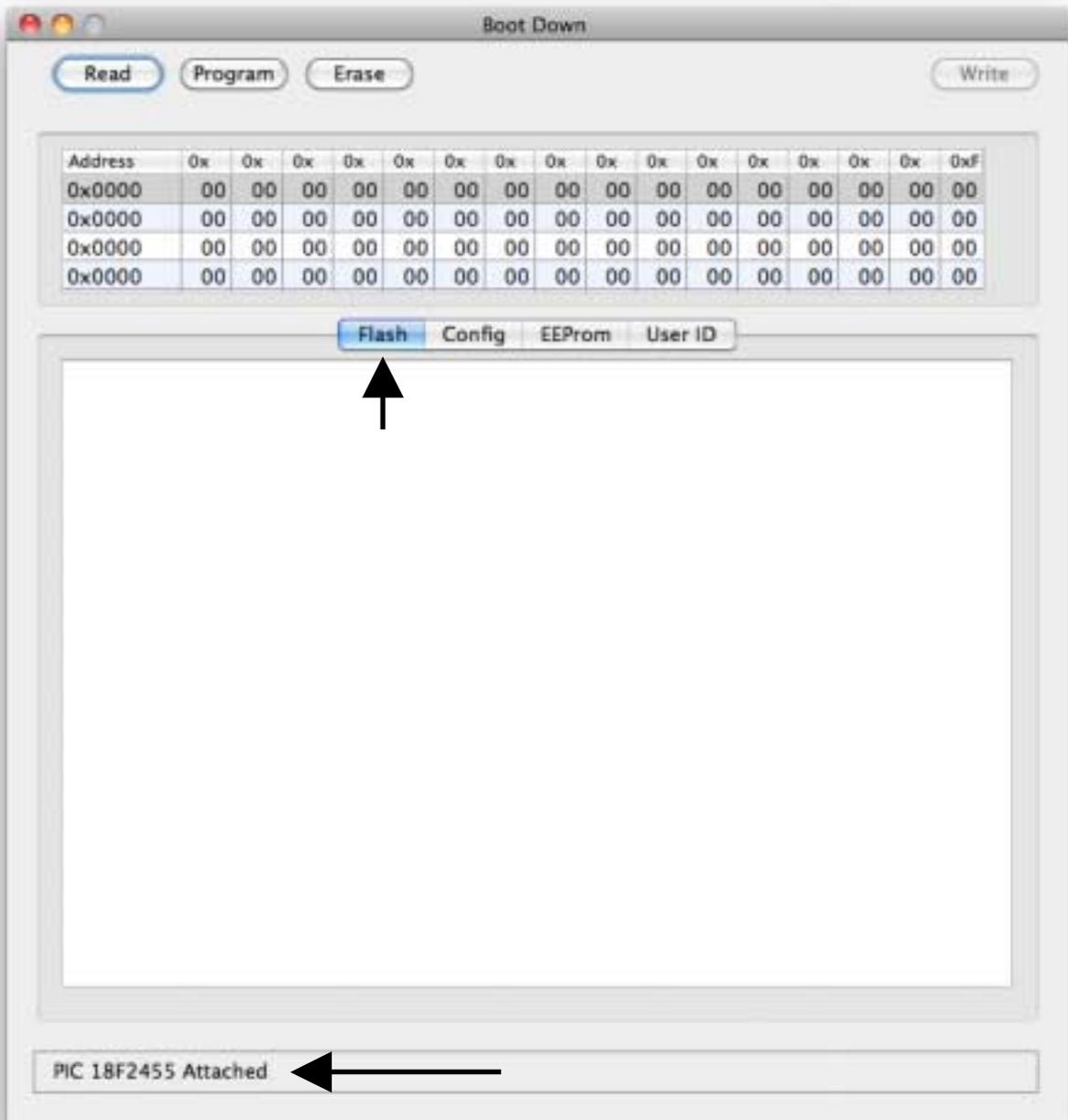


Maybe you get a warning!

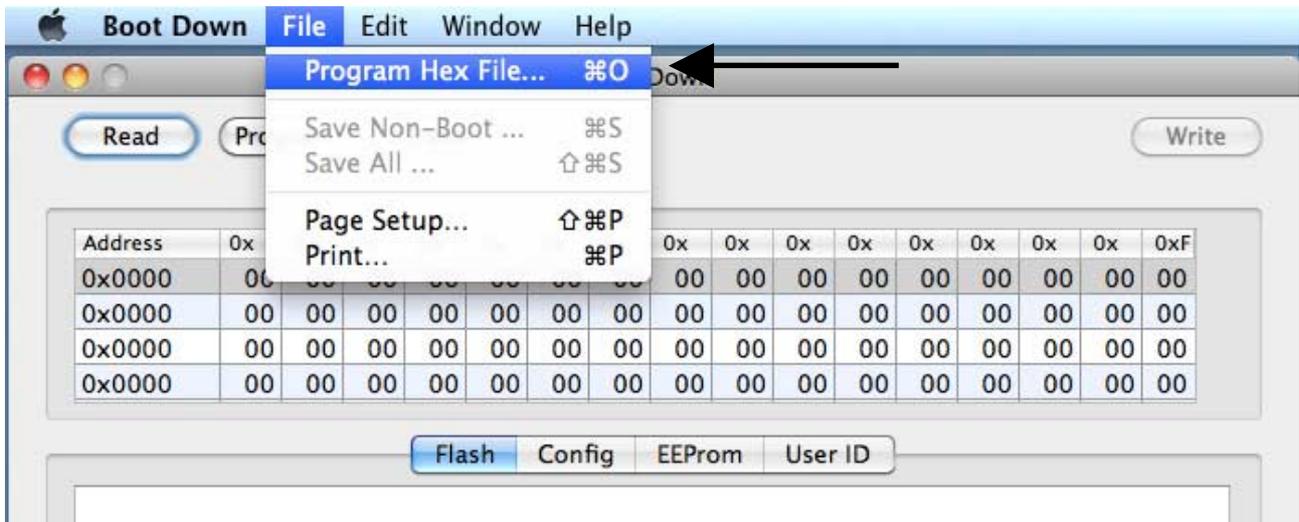
You should check all files from the internet with your virus checker for safety



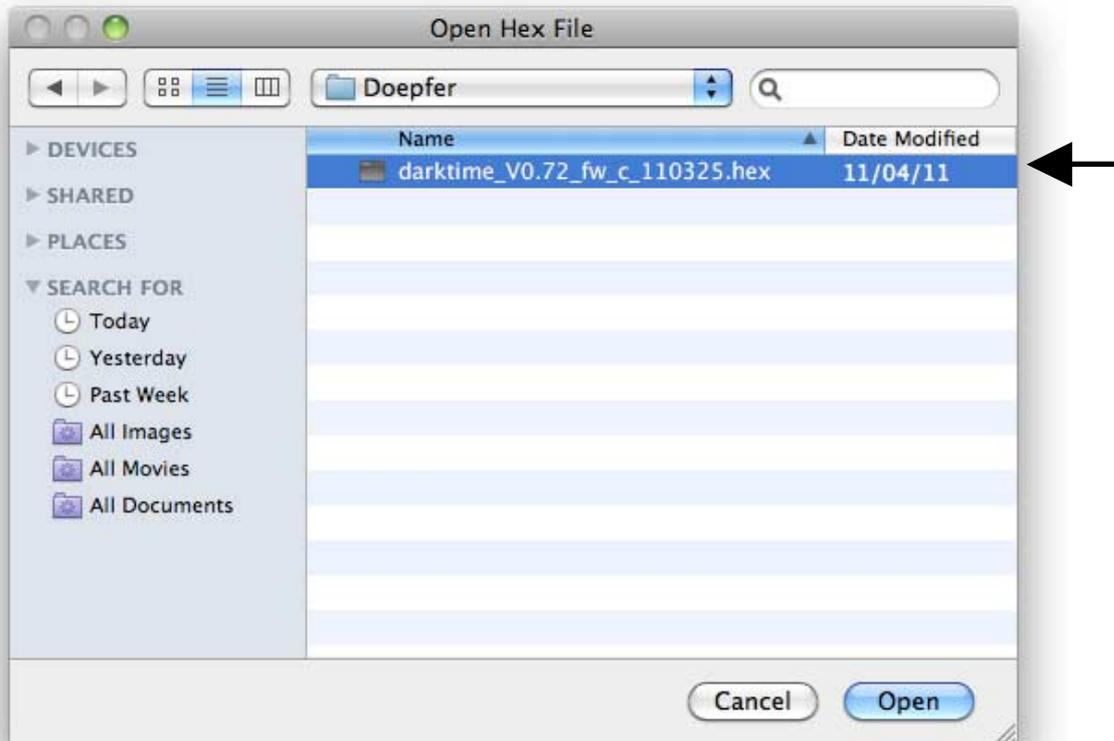
If all is o.k. you should see “Flash” & “PIC 18F2455 attached” .



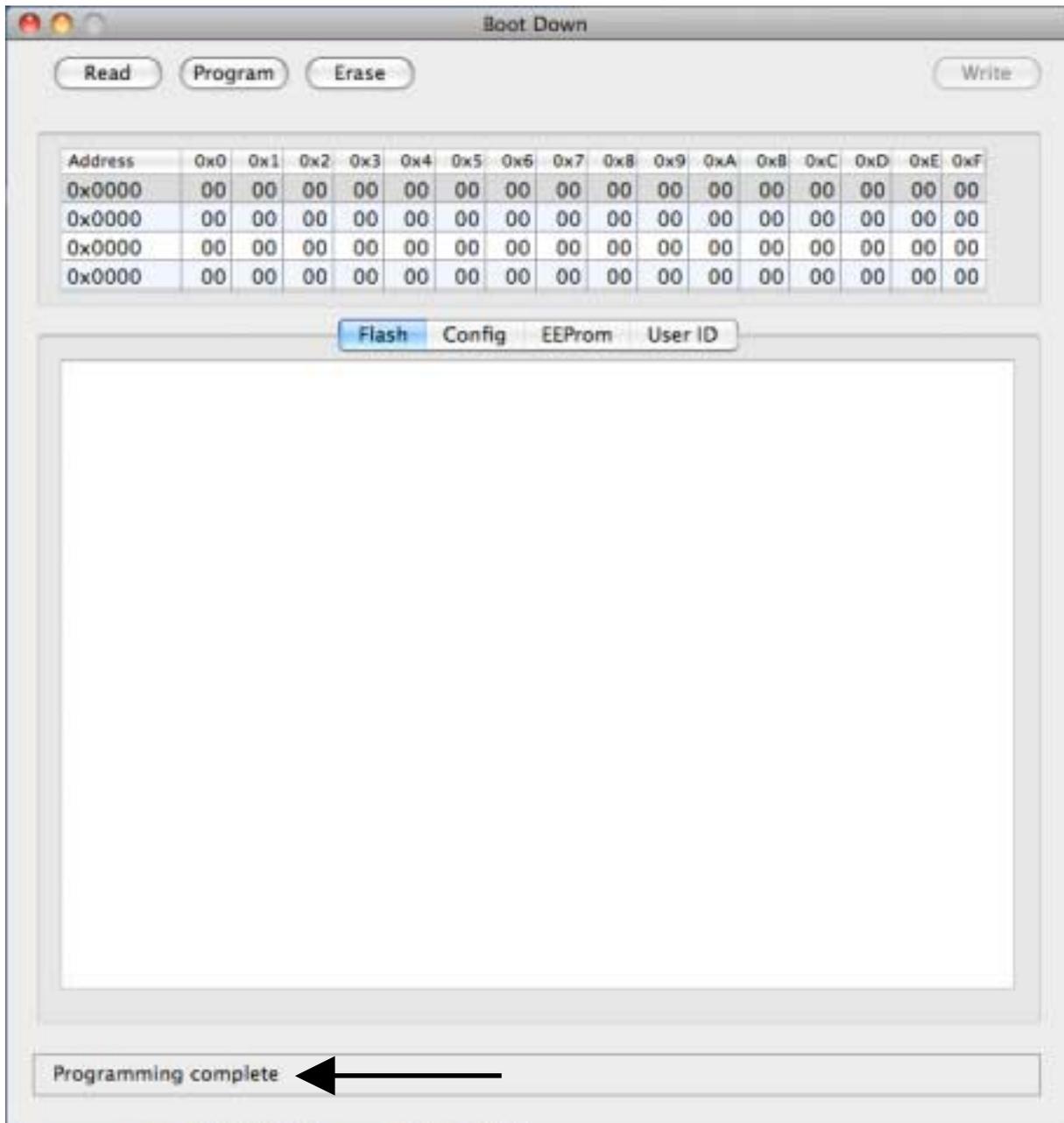
Call menu 'File' -- "Program Hex File..."



Select the firmware hex file (look step 1) for details



11) After that "Programming complete" appears



Attention!

Never press any other button, like **Erase**, Config, EEPROM, User ID.

14) O.K. – You made it!

- Now remove power and usb cable.
- Reinstall the the jumper you've just removed.

That's it.

You Devive should now work as before but with the new firmware and hopefully some bugs less.

Thanks to all users who managed this update successfully and special for help from Mike Borshoff