



Elo Touch Solutions

Updating Firmware in Elo AccuTouch 2218 Controller

TSXXXXXX Rev A

Solutions Architect of Technical Services



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About This Manual

This document guides the user through updating the firmware in an Elo AccouTouch 2218 Controller.

The intended audience of this document includes: IT engineers, system engineers, electrical engineers, and end-users.

If after reading through this guide, you still have questions or need help getting your system up and running, please contact an Elo Touch Solutions Technical Representative. www.elotouch.com

Tools Needed

The following hardware and software is needed:

Hardware:

- Elo AccuTouch 2218 Controller
- Windows XP Computer

Software:

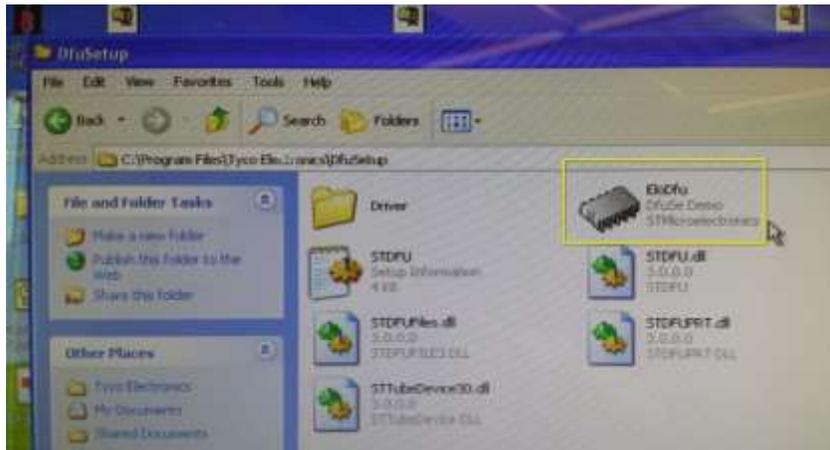
- Microsoft .NET 4.0:
<https://www.microsoft.com/downloads/en/details.aspx?familyid=0a391abd-25c1-4fc0-919f-b21f31ab88b7>
- Elo Touch Solutions Single-Touch XPU4.8.7b driver:
<http://www.elotouch.com/files/unrestricted_drivers/XPU4.8.7b.exe>
- EloDFU Utility:
 - <https://drive.google.com/file/d/0B1djxigArXO6SEVuNHFSekZwU3c/edit?usp=sharing>
- APPLICATION.DFU Firmware Update File (Link below is to Rev.F 2.15-02 latest as of this writing).
 - <https://drive.google.com/file/d/0B1djxigArXO6RG5WWnNXTFBXWEE/edit?usp=sharing>
- WINUSB.DLL (should be in C:Windows/System32)

Procedure

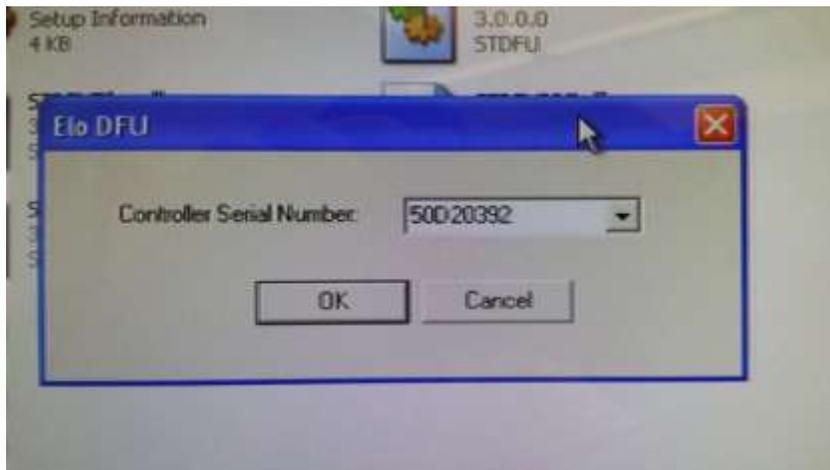
1. Install all required software:

- Microsoft .NET 4.0 should First be downloaded and installed.
- DFU.ZIP should be extracted and installed.
- An Elo monitor with 2218 Controller should be connected via the USB cable to the Windows XP computer. The monitor must also have power applied to it, video is not necessary.
- XPU4.8.7B should be downloaded and installed.
- DFU will be used to upgrade the 2218 firmware to the latest revision.
- If you don't have WINUSB.DLL in C:\WINDOWS\SYSTEM32, you should copy the file to this location.
- When all the required software has been installed, DFU should be located here: C:\Program Files\Tyco Electronics\DfuSetup

2. Go to C:Program Files/Tyco Electronics/DfuSetup and double click the EloDfu application



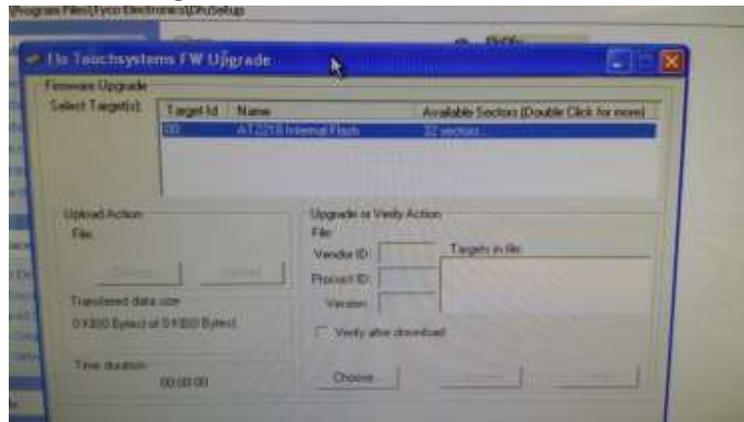
3. When you run the EloDfu.exe you'll see the following dialogue if it finds a controller:



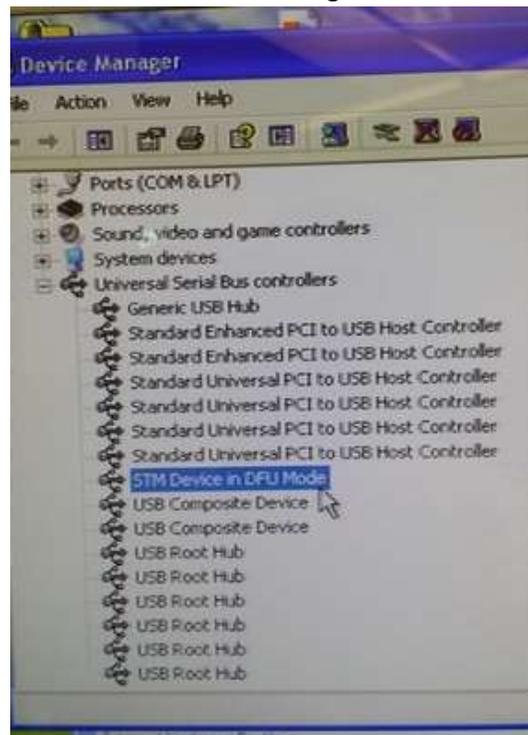
NOTE: If no controller is found, the following dialogue will be displayed (your controller may already be in DFU mode):



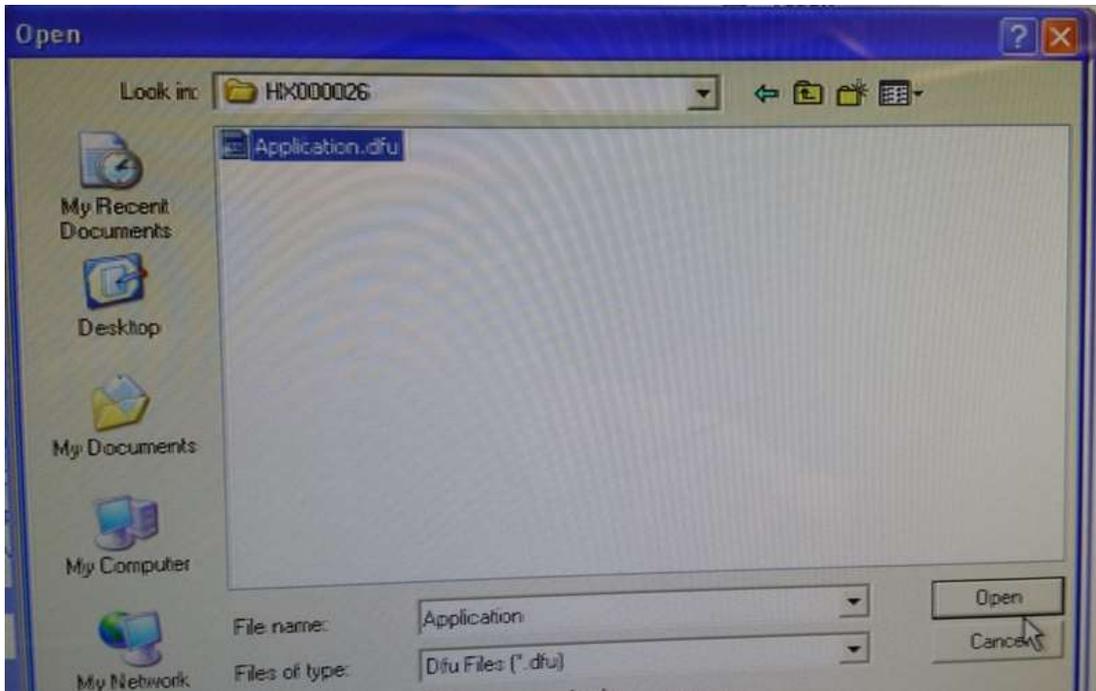
4. If controllers are found, you can select the serial number of the controller and then click OK. You should then see this dialog:



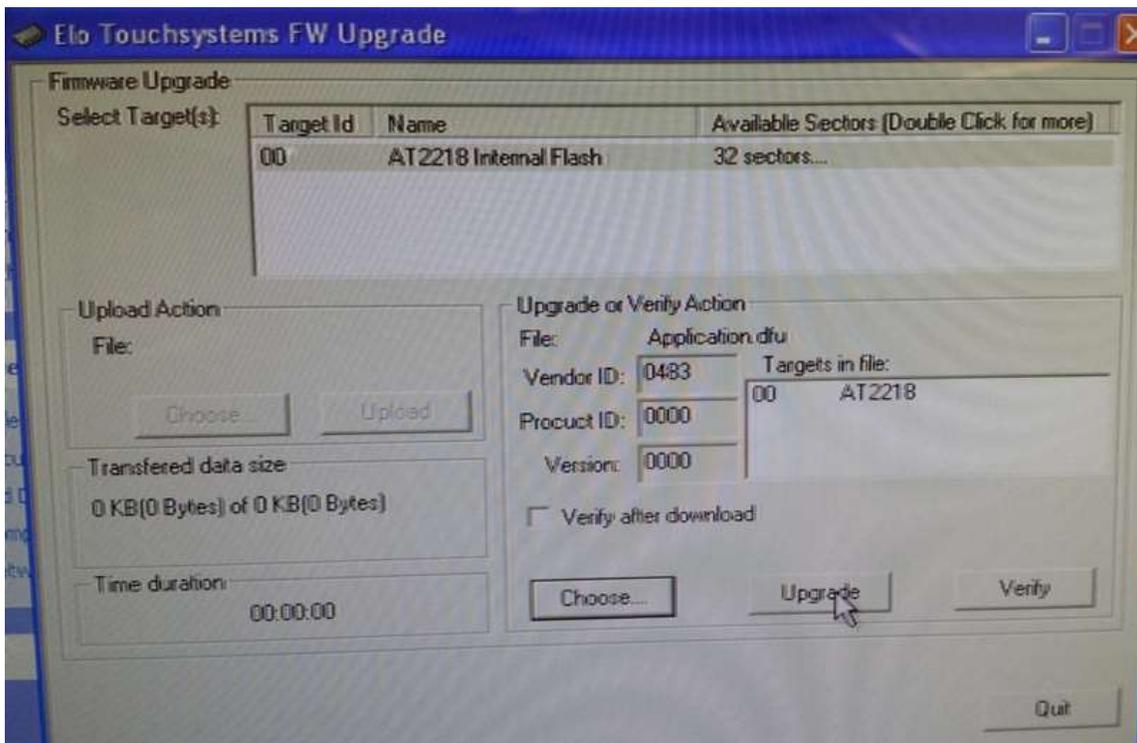
5. At this point the controller should be in DFU (bootloader) mode. You can check by verifying DFU device is correctly installed in Device Manager:



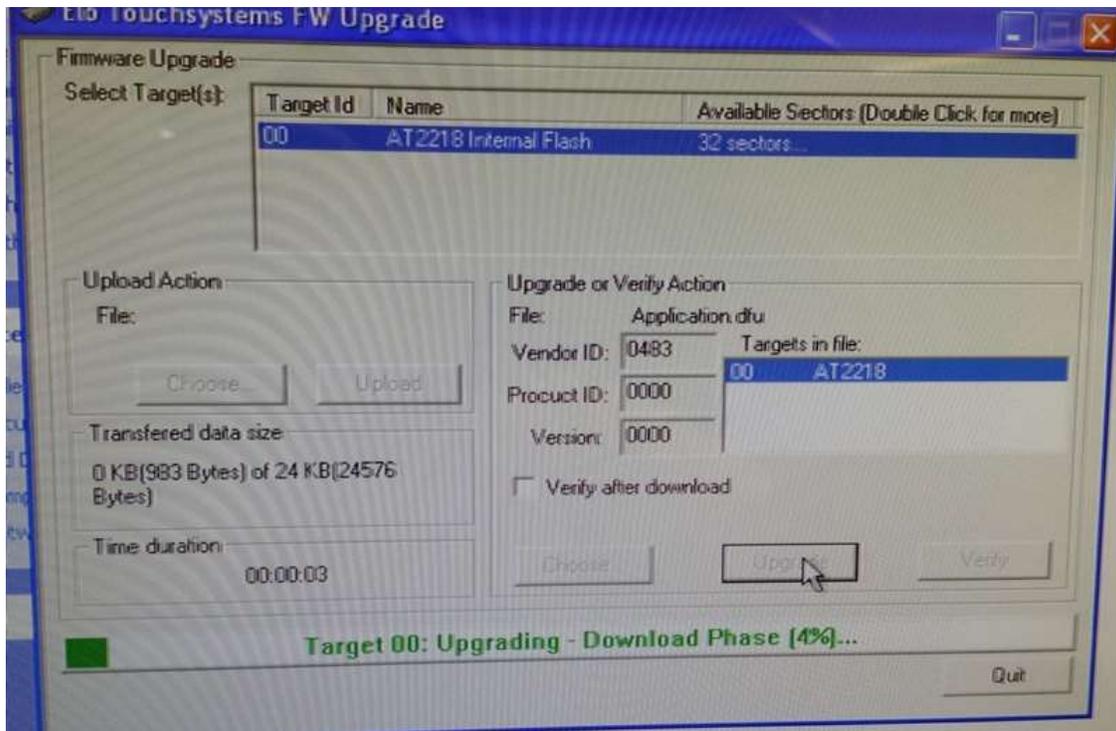
- Now click on “Choose,” in the DFU utility. This will bring up a standard file open dialog. Select & open the file Application.DFU.



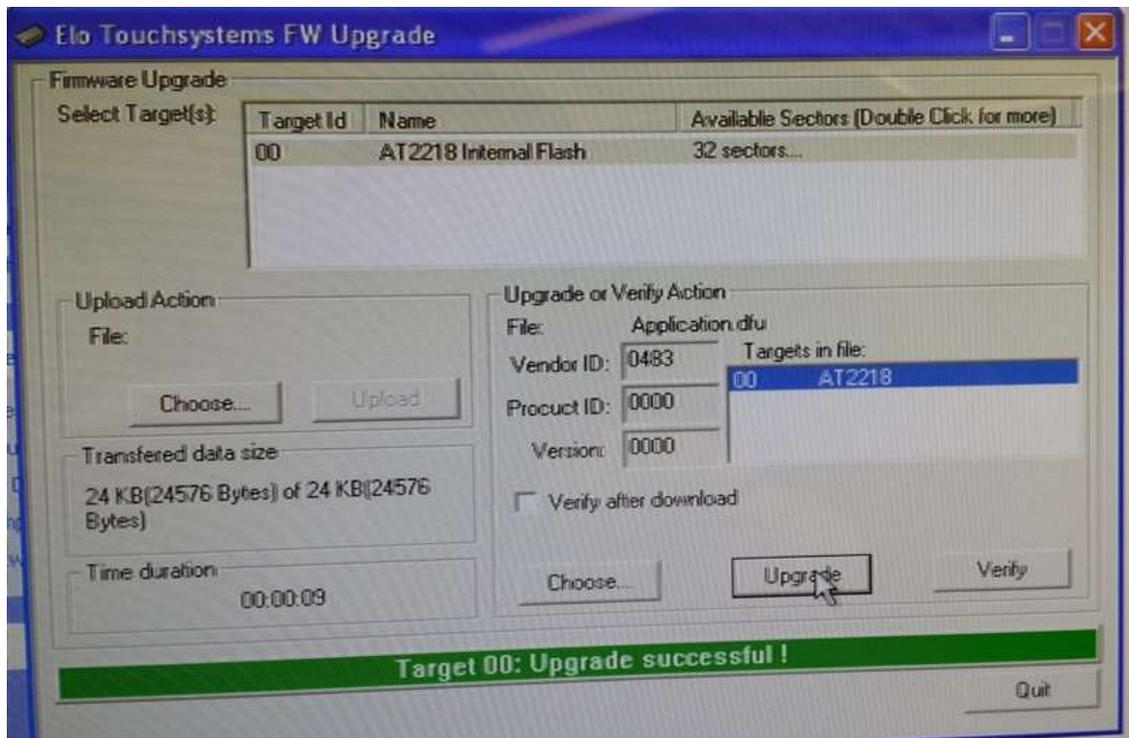
- Click on “UPGRADE” and the firmware upgrade process will begin:



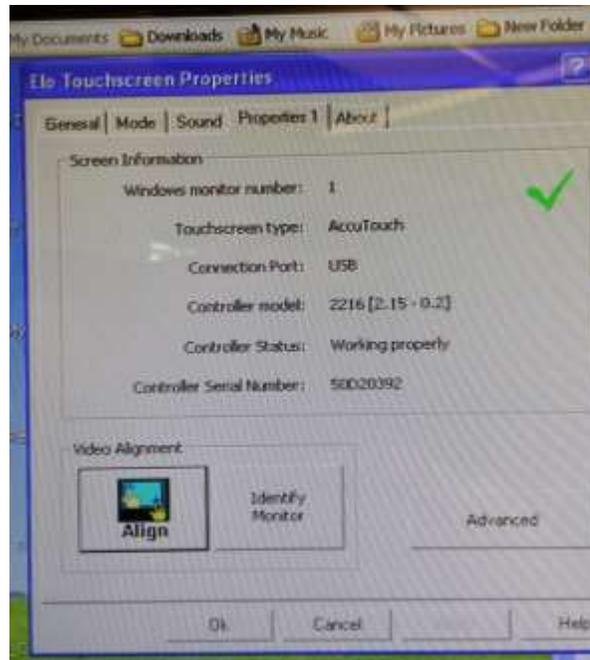
8. The following dialogue should appear and the progress bar will fill out a few times:



9. When the update completes you will see “Upgrade successful!” in the progress bar. You can then choose “Quit” and exit the DFU utility.



10. Elo driver should now show the updated firmware.



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