

TSXXXXX 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. <u>www.elotouch.com</u>

### **Tools Needed**

The following hardware and software is needed:

Hardware:

- Elo AccuTouch 2218 Controller
- Windows XP Computer

#### Software:

- Microsoft .NET 4.0: <u>https://www.microsoft.com/downloads/en/details.aspx?familyid=0a391abd-25c1-4fc0-919f-b21f</u> <u>31ab88b7</u>
- Elo Touch Solutions Single-Touch XPU4.8.7b driver:
  <a href="http://www.elotouch.com/files/unrestricted\_drivers/XPU4.8.7b.exe">http://www.elotouch.com/files/unrestricted\_drivers/XPU4.8.7b.exe</a>
- EloDFU Utility:
  - o 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).
  - o <u>https://drive.google.com/file/d/0B1djxigArXO6RG5WWnNXTFBXWEE/edit?usp=sharing</u>
- 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:

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Uptool Action File		Lipgrada at Verity A Fáir Vendur ID	Class	
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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:



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

Open					? 🗙
Look in:	HX000026	a constant	-	œ 🗈 💣 📰•	STATE OF
My Recent Documents Desktop	Application.df				
My Documents					
My Computer	File name: Files of type:	Application Difu Files (".dfu)		•	Open Cancent

7. Click on "UPGRADE" and the firmware upgrade process will begin:

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	13744	Ipicad	Procuct ID: 00	00	AT2218		
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O KB(O Bytes) o	of O KB(O Byte	s)	Verify after o	download			
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8. The following dialogue should appear and the progress bar will fill out a few times:

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19990		+ 00: Upg	radion - Down	load Phase (4%)	

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

Select Target(s):	Tanget Id	Name	Carl Contract of C	Available Sectors (Double Click for more	
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Time duration	00.00.09		Choose	Upgrade	Verily

10. Elo driver should now show the updated firmware.

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1	Screen Information			
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	0	annection Ports	U58	
	0	stroler nodel:	2216 [2.15 - 0.2]	
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	Video Alignment			
	Align	Identify Monitor		Advanced
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