

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 IntelliTouch 2701 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:

- PC with serial connection running on Windows 2000/XP/Vista/7 32 bit
- Free serial port, in this example COM3
- Standard RS232 Serial cable
- Elo Wiring Harness P/N: D16890-000
- +5VDC Power Source
- Elo 2701 Touch Controller

Software:

- Firmware update utility: FwUpdate 1.12 (file fwupdate.exe)
- Firmware 2.4 (file FIRMWARE_2.4.BIN)

Procedure

1. Clip off P3 connector on Elo Wiring Harness **P/N: D16890-000** to use as flying leads and connect leads to a +5VDC Power Source.



2. Connect one end of an RS232 Serial cable to available COMPORT on the PC and the other end to the serial connector on the Elo Wiring Harness.



3. Connect the 2 X 20 Connector from the Elo Wiring Harness to the mating connector on the 2701 Controller. The LED's on the controller should now be blinking green.



- 4. Download all required software:
 - Save *fwupdate.exe* and *FIRMWARE_2.4.BIN* to location on pc, preferably the desktop and double click the *fwupdate.exe* to execute the program.



5. Choose the correct comport (in this example we used COM3)

| Plese select the port to which the controller is attached from this list. COM3 Free Firmware source file: Transfer Status Ready Progress Controller Serial Number Write Progress Controller Serial Number Exit | FwUpdate (1.12) | 23 |
|--|-----------------|--|
| Firmware source file: Transfer Stop Status Ready Progress Controller Serial Number Write Read Auto-increment Read Exit | | Plese select the port to which the controller is attached from this list. |
| Status Ready Progress Controller Serial Number Write Read Exit | | Firmware source file: Transfer Stop |
| Controller Serial Number | | Status Ready Progress |
| Read Exit | UI LUI | Controller Serial Number Write Auto-increment |
| | | Read Exit |

6. Click on the browse button, navigate to the location of the FIRMWARE_2_4.BIN file, and choose "Open"

| ēlo | Open | | | | X |
|-----------------|--|-----------------|--|--------------------|-------|
| ELO | S () + | 💻 Desktop 🔸 | ▼ 49 | Search Desktop | Q |
| FwUpdate (1.12) | | 23 der | | <u>∎</u> = ▼ ₩= | |
| Ple | ese select the port COM3 Free | | System Folder | | |
| co fro | which the control field with the control fiel | | Computer System Folder | | |
| Firm | nware source file: | Stop | Network System Folder | | |
| Sta | itus Ready | | 2701 Firmware Update File folder | | |
| Pro | gress | | IDS_01 Optical Optimization File folder | | E |
| | Write Auto-increment | Exit | FIRMWARE_2_4.BIN BIN File 55.3 KB | | - |
| | | File name: FIRM | WARE_2_4.BIN | BIN Files | • |
| 232_Turn | | | | Open 😽 Ca | ancel |

7. Click on the "Transfer" button to begin the update.

| FwUpdate (1.12) | x |
|----------------------|--|
| | Plese select the port to which the controller is attached from this list. |
| INS TRUCKOVSTERIS | Transfer Stop C:\Users\elo\Desktop\FIRMWARE_2_4.BIN |
| | Status Ready Progress |
| VETERIS TENENDUCIENS | Controller Serial Number |
| | Exit |

Wait for the update to complete, **DO NOT INTERRUPT THE UPDATE!!!**

| Plese select the port to which the controller is attached from this list. | COM3 Free COM4 Free | | 1 |
|--|---------------------------------------|----------|----------|
| Firmware source file | | Transfer | Stop |
| Status Downloading | a a a a a a a a a a a a a a a a a a a | 4.004 | <u> </u> |
| Progress | | | |
| Controller Serial Num | ber 🖓 Autoir | acrement | |
| Dest 1 11053 | _ | | - |

- 8. During the update you will see the following events in the Status window:
 - 1. Attempting to communicate
 - 2. Entering Boot Mode
 - 3. Erasing Controller Memory
 - 4. Downloading
 - 5. Download Done
 - 6. Firmware Update Done
 - 7. Ready

| | Place select the post |
|--|--|
| | to which the controller is attached from this list |
| | Finnware source life: Trinsfit Stap |
| and the second sec | C:\Users\elo\Desktop\FIRMWARE_2_4.BIN |
| | Status Famware update done |
| | Distance |
| | - TANKER - |
| | - Controller Servel Number |
| | |
| | ALLED VIL INSEED IN |

Do not interrupt the update or detach cables until the Status window indicates "Ready"

| Plese select the port to which the controller is attached from this list. | Free Free |
|--|------------------------|
| Firmware source file: C:\Users\elo\Desktop\FIRMWAR | Transfer Stop |
| Status Heady Progress | |
| Controller Serial Number | Auto-increment Exit |

9. After Firmware update has completed and status indicates "Ready" you can remove the Elo Wiring Harness connector from the controller and proceed with updating another controller.

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