


# TE USB FX2 driver installation (Generation 3)


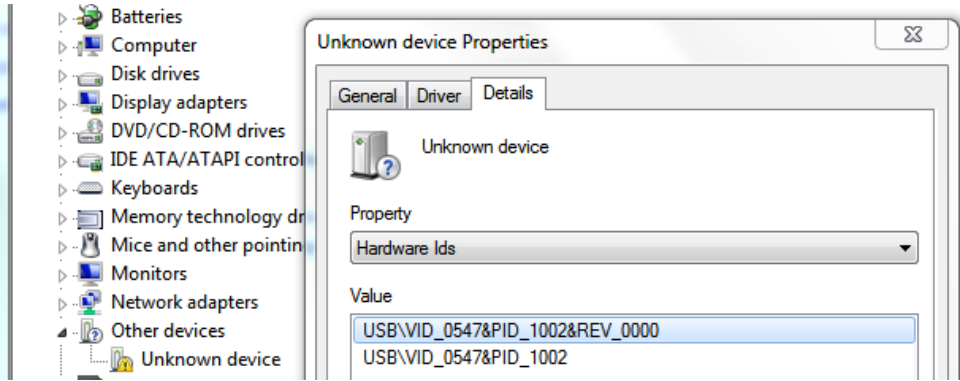

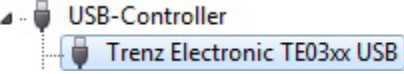


To see the device status you should open "Device Manager" using one of this two procedure:

- Start\Control Panel\System and Security\System\Device Manger
- write devmgmt.msc in the line "Search programs and files" to go directly to the Device Manager

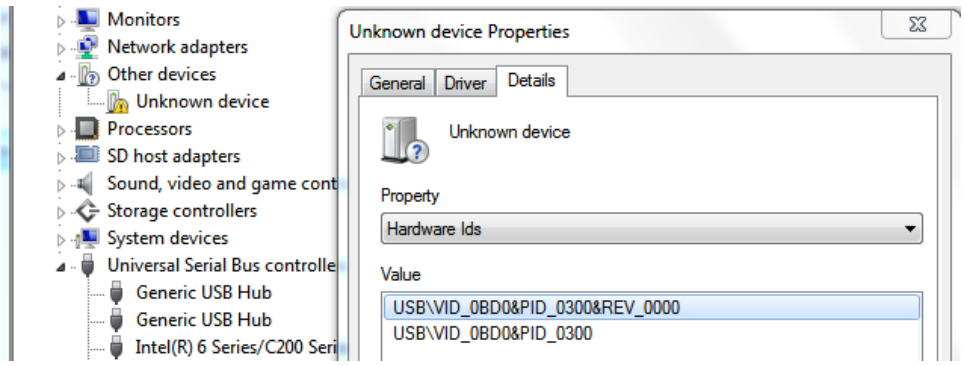
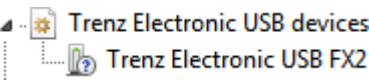
If the user needs to use [TE API Commands](#) and [TE API libraries](#), he/she needs this driver because this driver is used with [USB FX2 microcontroller firmware \(Generation 3\)](#) (which was already flashed to the supplied TE modules from 2nd September 2013) .  
If the USB FX2 microcontroller firmware (Generation 3) is not already written in the EEPROM, you should follow the [recovery boot](#).  
If the USB microcontroller (Cypress EZ-ESB FX2) TE USB FX2 driver is not installed on the host computer, then the easiest way to do it, is the following:

- disconnect the TE USB FX2 module if it connected or leave the module unconnected;
- turn off the TE USB FX2 module;
- set "EEPROM" switch to EEPROM connection enabled (EEPROM connected to USB microcontroller) <sup>(1)</sup>;
- turn on the TE USB FX2 module;
  - if the TE0300 module is used, the S2 switch must be set to on (RUN);
  - if the TE0320 module is used, the S1D switch must be set to off (RUN);
- connect (aka plug in, aka attach) the TE USB FX2 module to the host computer through the USB interface;
- Open "Device Manager" using one of this two procedure:
  - Start\Control Panel\System and Security\System\Device Manger
  - write devmgmt.msc in the line "Search programs and files" to go directly to the Device Manager
- wait until the operating system detects new hardware; module enumerates in normal mode:
  - Generation 2 case: VID = 0x0547, PID = 0x1002;

Is DEWESoft Trenz Electronic TE03xx USB already installed?	Image of Windows "Device Manager"
	
	

If the TE USB FX2 module enumerate as Generation 2 you should start a recovery procedure to change the Firmware, otherwise you may need to install the Generation 2 driver.

- Generation 3 case : VID = 0x0BD0 , PID = 0x0300;

Is Trenz Electronic USB FX2 already installed?	Image of Windows "Device Manager"
✗	
✓	

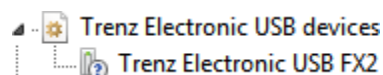
If the TE USB FX2 module enumerate as Generation 3 you should check if the Trenz Electronic USB FX2 device driver is already installed; if it is already installed the procedure ends here.

- starts the hardware assistant;
- answer the hardware assistant questions as shown in the following [document](#) and in this [video play lists](#);  
The driver package contains many folders. During installation, the user shall specify the folder according to 32 (x86)/ 64 (x64) bit distinction and the following table.

host operating system (Microsoft Windows )	device driver folder	automatic/online installation/update
2000, 32 bit	MS-Windows-2000\x86	not available
XP, 32 bit	MS-Windows-XP\x86	not available
XP, 64 bit	MS-Windows-XP\x64	not available
Vista, 32 bit	MS-Windows-Vista+7\x86	not available
Vista, 64 bit	MS-Windows-Vista+7\x64	not available
7, 32 bit	MS-Windows-Vista+7\x86	available <sup>(1)</sup>
7, 64 bit	MS-Windows-Vista+7\x64	available <sup>(1)</sup>
8, 32 bit	MS-Windows-Vista+7\x86	available <sup>(1)</sup>
8, 64 bit	MS-Windows-Vista+7\x64	available <sup>(1)</sup>

Device driver folder selection

- Check that, in the "Device Manager" under "Trenz Electronic USB devices", the "Trenz Electronic USB FX2" has been added.



"Trenz Electronic USB FX2" device driver installed



Please compare your *Device Manager* window with the pictures shown in the [UM-Drivers-TE\\_USB\\_FX2 manual](#). In particular, check that the picture shown in section 2.1.3 *Common to Windows XP/7/8 (Final Part)* matches both device class name and driver class name in your *Device Manager*. If not, this is probably because the operating system links/loads the old driver class and driver file(s). In this case, it might be useful to go to C:\WINDOWS\system32\drivers (or the like) and delete TE03xx\* files. The intended driver file names are "TE\_USB\_FX2\_xx" instead:

- TE\_USB\_FX2.cat
- TE\_USB\_FX2.inf
- TE\_USB\_FX2\_32.sys
- TE\_USB\_FX2\_64.sys

Now, [Cypress firmware update tools](#) ([Cypress USB Console recovery boot](#), [Cypress USB Control Center recovery boot](#)) and [OpenFutNet](#) ([OpenFutNet recovery boot](#)) can read and write the EEPROM.

Now, the user can use [TE API Commands](#) and [TE API libraries](#).

(1) Refer to your module manual for [switch location](#).

(2) Driver installation on Microsoft Window 7 and Microsoft Window 8 can be performed automatically (on-line). It is possible that the first online driver installation fails; in this case the developer shall force a retry (the second attempt normally works). See [UM-Drivers-TE\\_USB\\_FX2 manual](#) at section 2.1.2.3 *.2 Force the online search*.