

Quick Start Guide



Installing the FX Controller and Connecting the FX scanner.

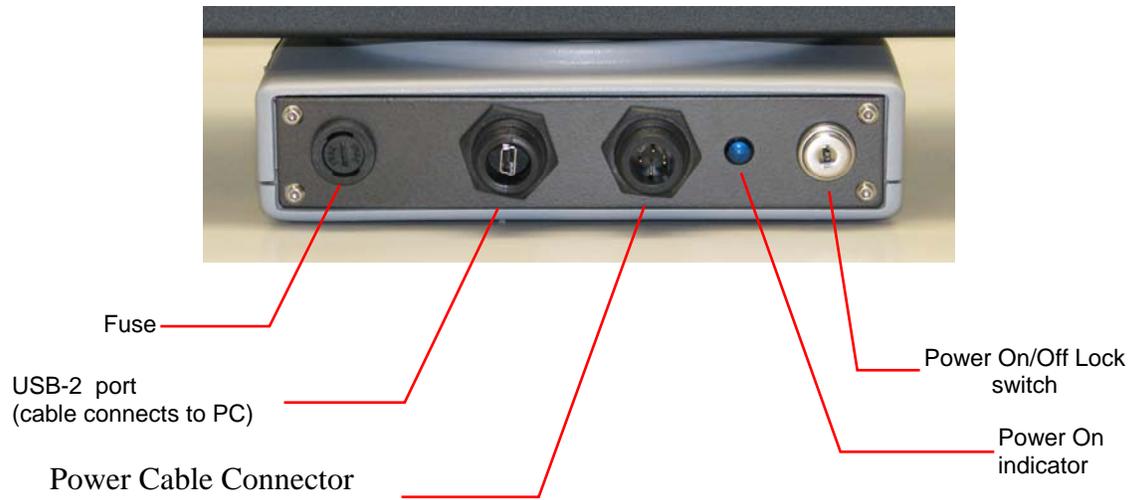
1. Read and understand the safety information in the Trimble FX User Guide and see document on USB key supplied with the scanner.
2. Plug in the USB key that was provided with the FX scanner into your computer and open the "Trimble FX Controller" folder.
3. Double click the setup executable to install the FX Controller software.
4. Set up the Trimble FX scanner as follows.
 - a. Place a suitable heavy-duty tripod firmly on the ground and ensure that its legs are properly fixed to prevent the tripod from collapsing during operation. Trimble recommends the Tri-Max tripod.
 - b. Secure the Trimble FX on the tripod and secure it with the bottom screw of the tripod.



Tripod 5/8" (survey adapter) screw hole on scanner bottom

5. Connect the power and data cables as follows (see also the Trimble FX User Guide):

The figure below shows the Trimble FX connector panel where the Power On/Off key switch and interface port connectors are located.

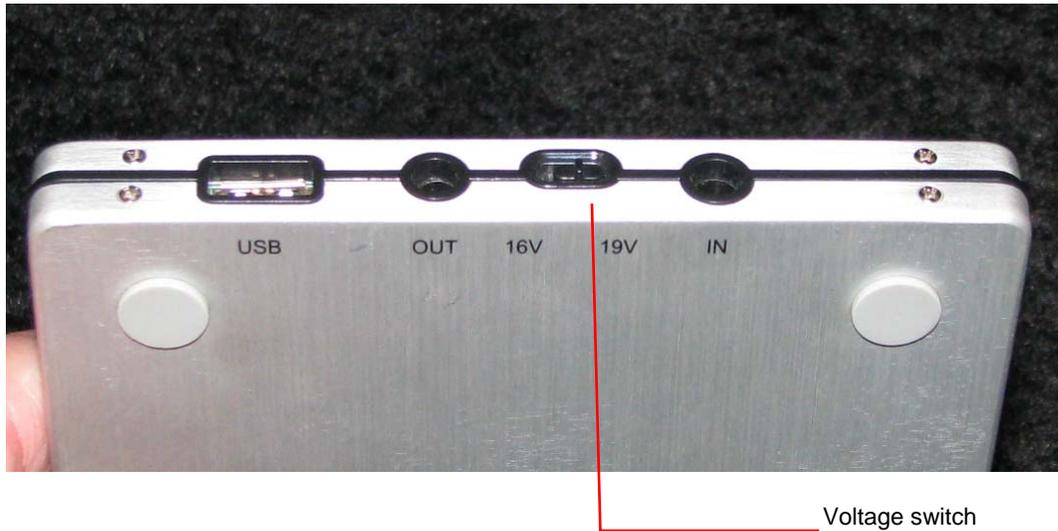


- a. Make sure that the Trimble FX On/Off switch is in the Off position.
- b. Locate the USB-2 port on the host computer and plug in the USB connection cable. Connect the other end to the Trimble FX's USB-2 port.
- c. Plug in the DC cable coming from the power supply unit to one end of the DC extension power cable.
- d. Connect the BNC connector of the DC extension cable into the power connector on the scanner.
- e. Plug the AC cord into the power unit and an AC outlet.



Trimble FX with power switch key inserted and cables connected

Note: If using the Trimble FX battery to provide power to the scanner it is necessary to set the battery to 19v in order for the Trimble FX to operate properly. This is done by sliding the switch to the 19v position as shown in the image below.



6. Power on the scanner by inserting the scanner key into the power switch and turning the key clockwise to the On position. The indicator light to the left of the power switch will illuminate when the power is on.



7. The first time the FX scanner is connected to the host computer you will be prompted to install the USB drivers. Refer to the next section for information on installing the USB drivers.

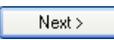
Installing USB drivers for the FX scanner

When the host computer first detects the scanner the Found New Hardware Wizard will open prompting you to start the USB driver installation process.



1. Select the **No, not this time** option, then click 



4. Select **Install from a list or specific location** option, then click 



5. Select the **Search for the best driver in these locations** and the **Include this location in the search** options.
6. Pick Browse to navigate to the USB Drivers directory shown below:
C:\Program Files\TRIMBLE\Trimble FX Controller 7.0\DriversUSB
7. Click and the driver installation will begin.



8. Click .

When the installation is complete the following screen displays.



9. To close the wizard, click .

Please refer to the next section to start the FX Controller and load the scanners parameters file.

Starting the FX Controller and loading the FX Scanner Parameters File

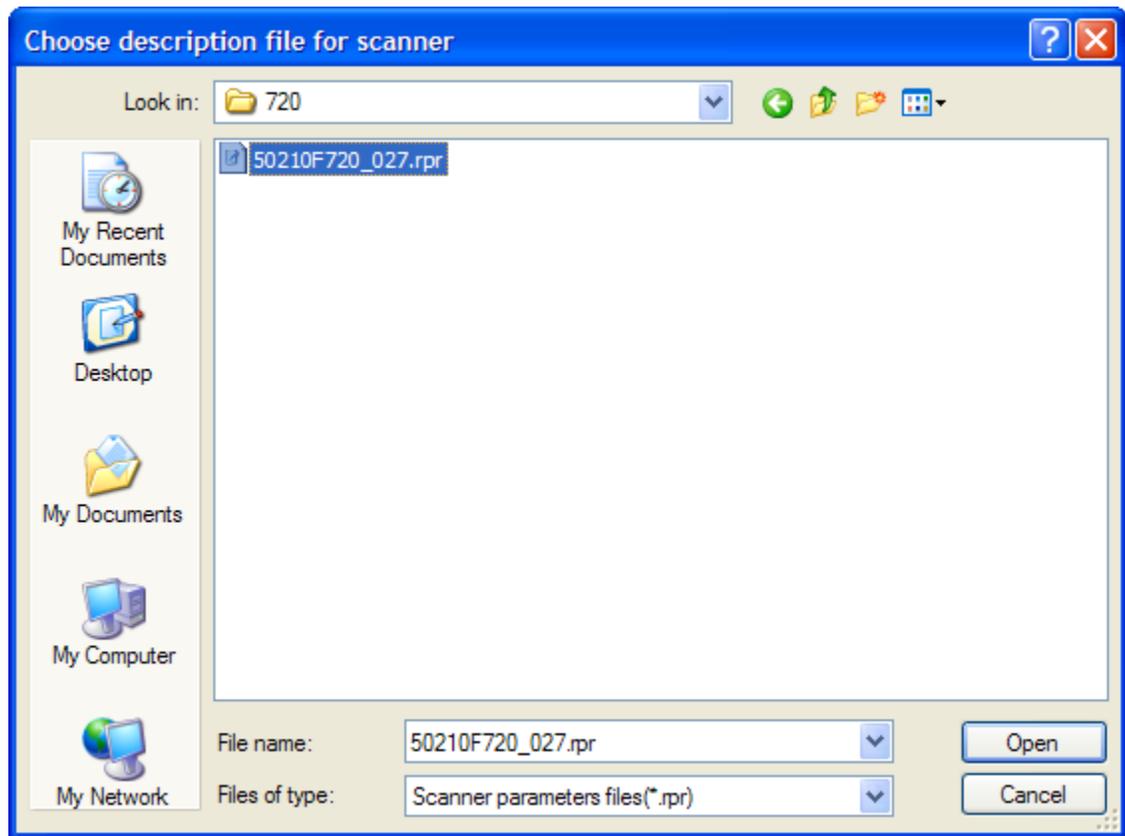
1. To start the FX Controller select

Start>All Programs>Trimble FX Controller 7.0>FX Controller.exe

2. Before scanning you will need to load the parameters file with an RPR extension located in the root directory of the FX USB key. It is recommended that you copy the RPR file to a directory on the host computer. For example:

C:\Program Files\TRIMBLE\Trimble FX Controller 7.0\RPR

3. To load the parameters file select **File>Update Scanner Parameters**. The window shown below will appear. Select the RPR file that was provided with your scanner.



4. Pick Open and a message should appear indicating the scanner is registered. Pick OK to close the message window.
5. The scanner is now ready for operation. Please refer to the Trimble FX User Guide for more information.

Please refer to the next section for information on configuring the FX USB license key to run FX Controller when the scanner is not connected.

Trimble FX USB Key License Configuration

When running FX Controller with the scanner connected:

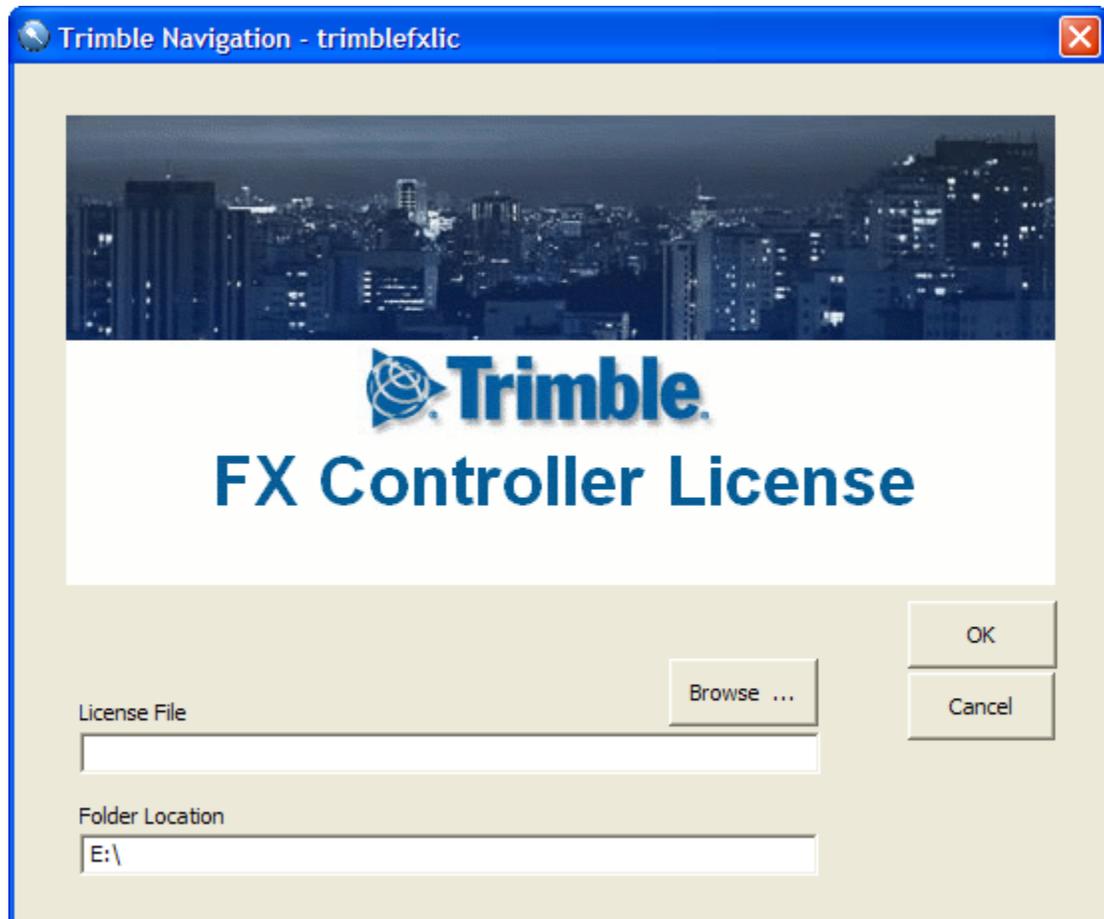
The Trimble USB key is not required to run FX Controller when the scanner is connected.

1. Remove the USB key from your computer
2. Plug the scanner USB connector into your computer
3. Start the scanner
4. Start Trimble FX Controller.

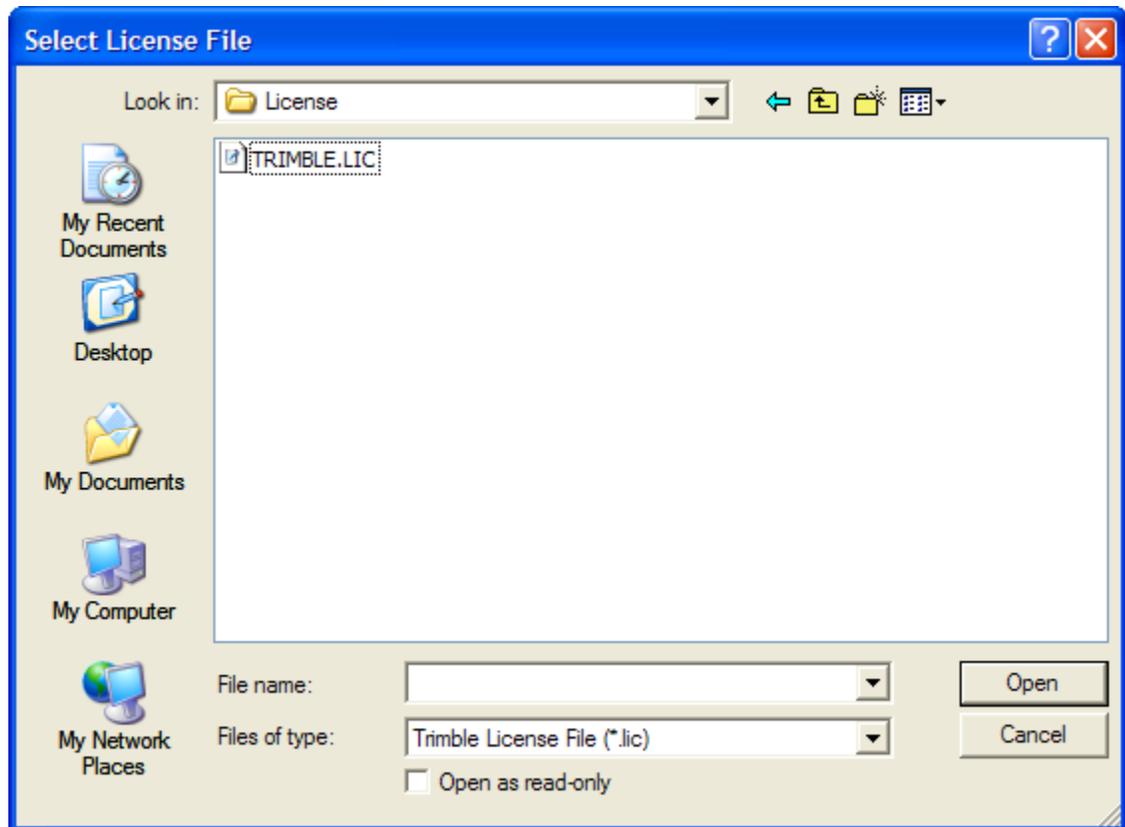
When running FX Controller without the scanner connected:

The Trimble USB key must be connected to your computer to run FX Controller when the scanner is not connected. Follow the instructions below to activate the license.

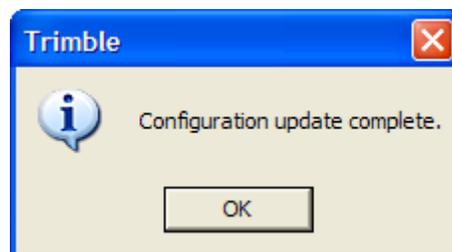
1. Open the "License" folder on the USB key
2. For Windows XP, double click on TrimbleFXLIC.exe. For Windows 7, right click on the TrimbleFXLIC.exe and select "Run as Administrator" to insure the license registry is created successfully. The TrimbleFXLIC window shown below will open.
3. The drive letter corresponding to the USB key will be recognized automatically.



4. Click the "Browse" button and the "Select License File" window shown below will open.



5. Open the "License" folder on the USB key.
6. Select the TRIMBLE.LIC file and click "Open".
7. The license file path will display in the main window.
8. Click OK and the following window should appear indicating the configuration update is complete:



9. Click OK.
10. Start the Trimble FX Controller

The software will now open provided the USB key is connected to your computer. When the key is reconnected it may be necessary to run the TrimbleFXLIC.exe again if a different drive letter is assigned to the USB key. Remember the USB key does not need to be plugged in to your computer when the scanner is connected.