

Firmware/Software Upgrade

Instructions for TXI, the Tx 1:2 System Controller

Introduction

You may add new features, bug fixes, and performance improvements through this Firmware Upgrade Method.

This package is designed for use in TXI units; the system and switch controller are designed for Tx 1:2 Redundant systems. It is meant for products with serial numbers beginning with TE12, or products with Part Numbers/Model Numbers starting with TXI.

ATTENTION: This Firmware is designed for TXI units only and will NOT work with any other products.

WARNINGS:

- Do NOT upload it to the IBUCs directly or to any other products.
- Upgrading the TXI switch controllers with the wrong firmware will cause issues that may make them inoperable and require a return to the factory for repair.
- Upgrading processes must use the original upgrade utilities supplied by the manufacturer for the intended product.
- Upgrading the TXI Firmware to other products may cause issues and make those inoperable.

Method

The preferred method is by using the embedded web interface.

Terrasat Communications Inc. provides a compressed (zipped) folder containing the adequate Firmware upgrade.

The upgrade package filename is "FW upgrade for Tx 2+1_TXI_vXX.YY.zip", where X can be 00 to 99 and YY can be 00 to 99.

Unzip the file into a directory of your choice and follow the instructions below.

Upgrading via embedded web pages

Follow the steps numbered below to upgrade through the TXI's web interface.

1. Connect the TXI unit to your Local Network or local computer.
 - a. Recommended method:
 - i. Connect an RJ 45 Ethernet cable to the TXI unit and to a computer or laptop. Follow the user manual instructions for further instructions on connecting to your TXI.

2. Access the TXI's web pages.
 - a. Find the IP address currently used by your TXI unit in your network and use it in your preferred browser to access the system.
 - i. Method A: Using Port 8080:
 1. On your preferred browser, type your TXI unit's IP address followed by ":8080". Example:
 - a. If the TXI's IP address is set at **10.0.0.21**, then open URL <http://10.0.0.21:8080> and you will see a page as shown in Figure: 1.
 - b. Follow the steps described from Step 6 onwards.

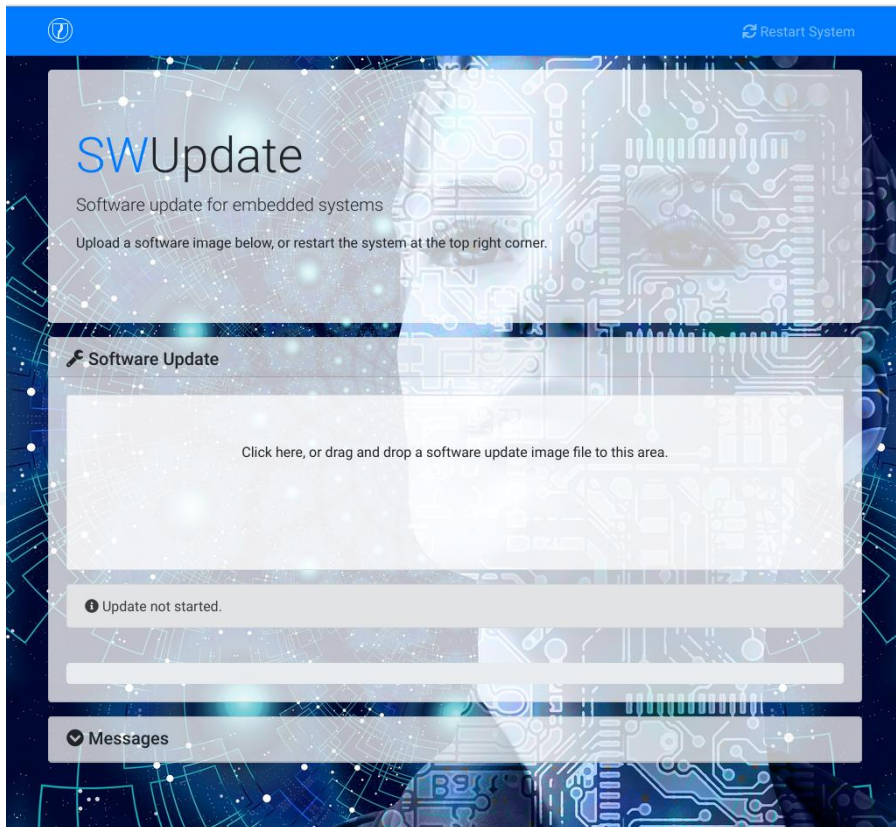


Figure 1: Software Update Web Page

- ii. Method B: Using webpages and standard login.
 1. On your preferred browser, type your TXI unit's IP address as a URL and follow the instructions below.
3. Log in to TXI, using your computer or laptop.

4. Click on the "Configuration" tab.
5. Click on the "Firmware Upgrade" tab.

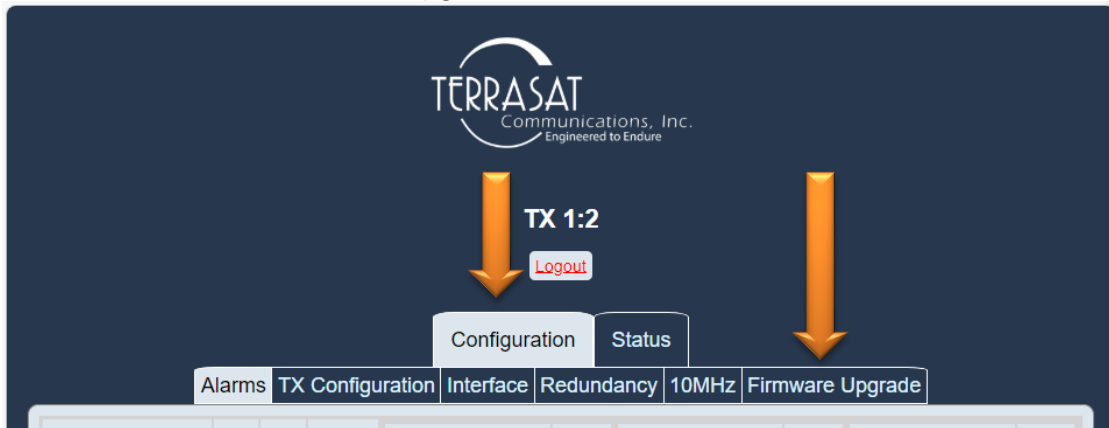


Figure 2: Firmware Upgrade Tab Location

6. Locate and select the file name with the ".swu" extension, similar to TXI-vX.XX.swu (example: TXI-v1.03.swu).

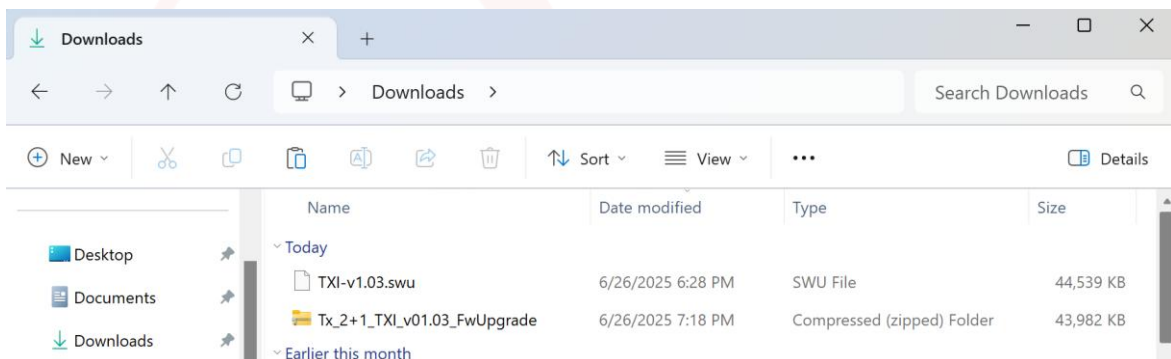


Figure 3: Firmware File

Note: You cannot upload compressed files or folders, such as .zip or .rar files. You must extract the .swu files from those folders before taking these steps.

7. Click and drag that .swu file to the SWUpdate / Software Update page:

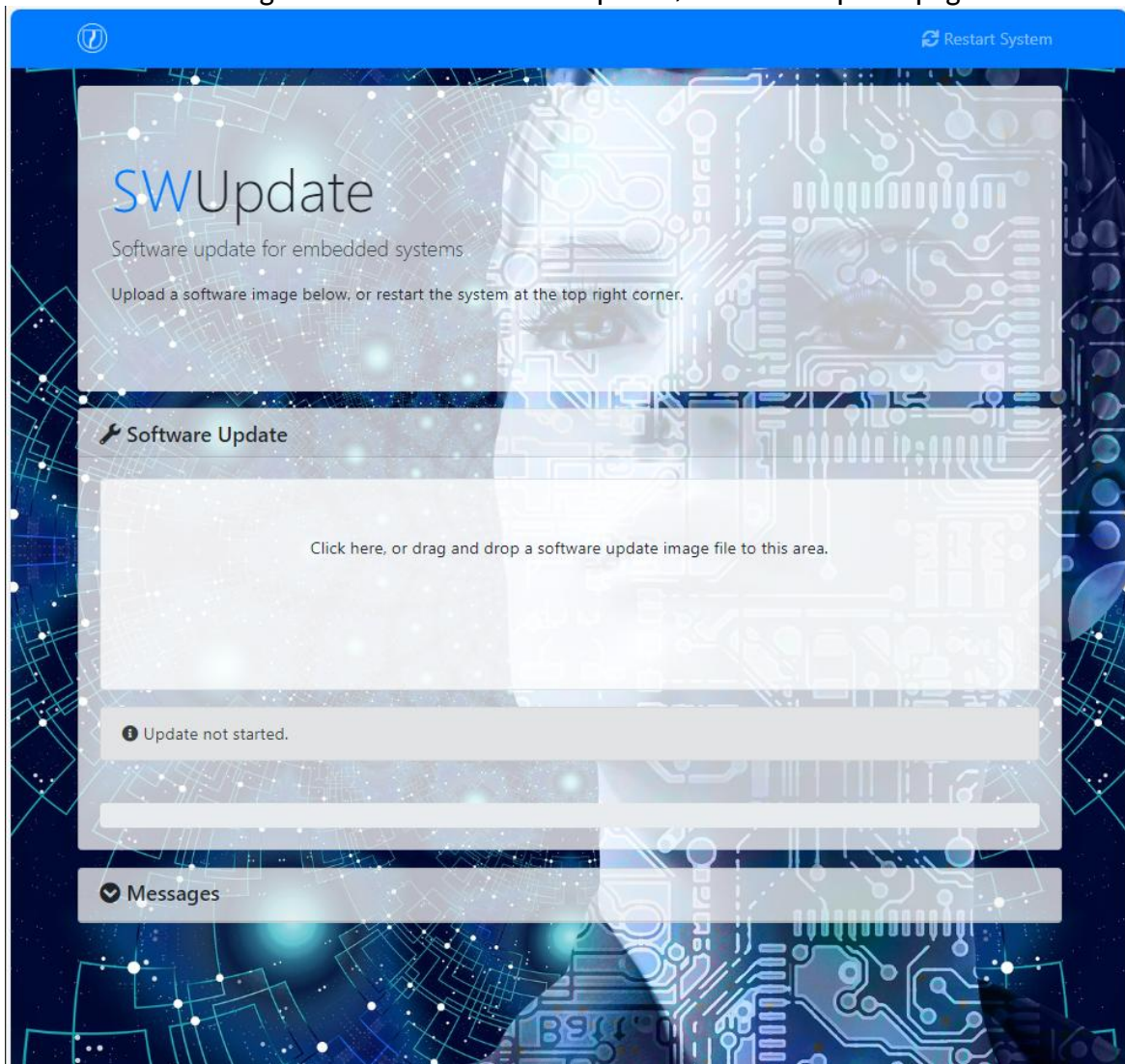


Figure 4: Software Update page

8. Wait for process completion.

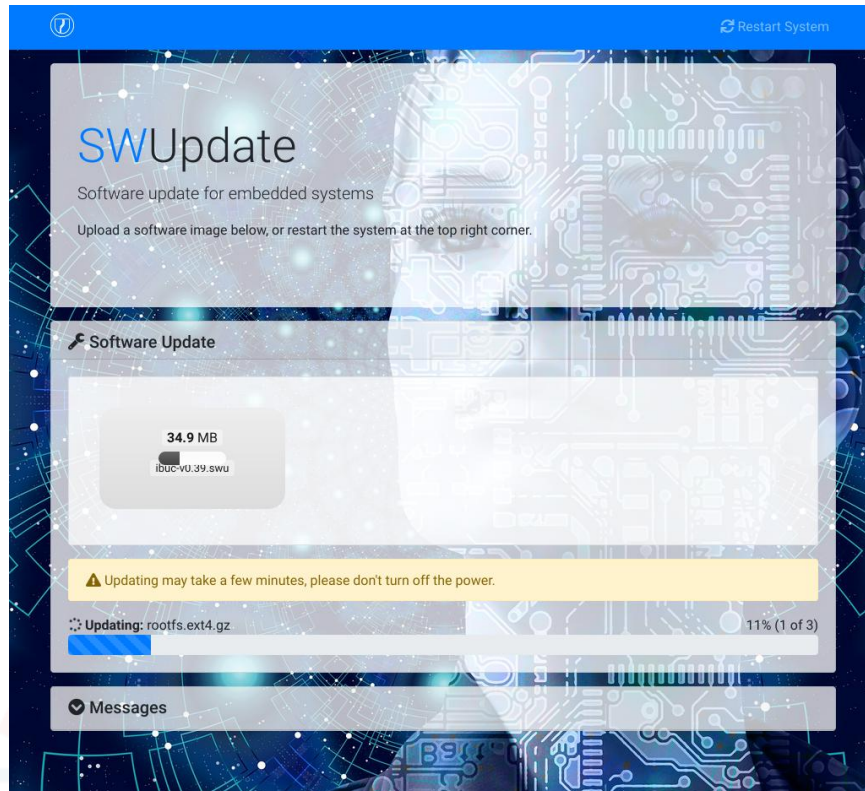
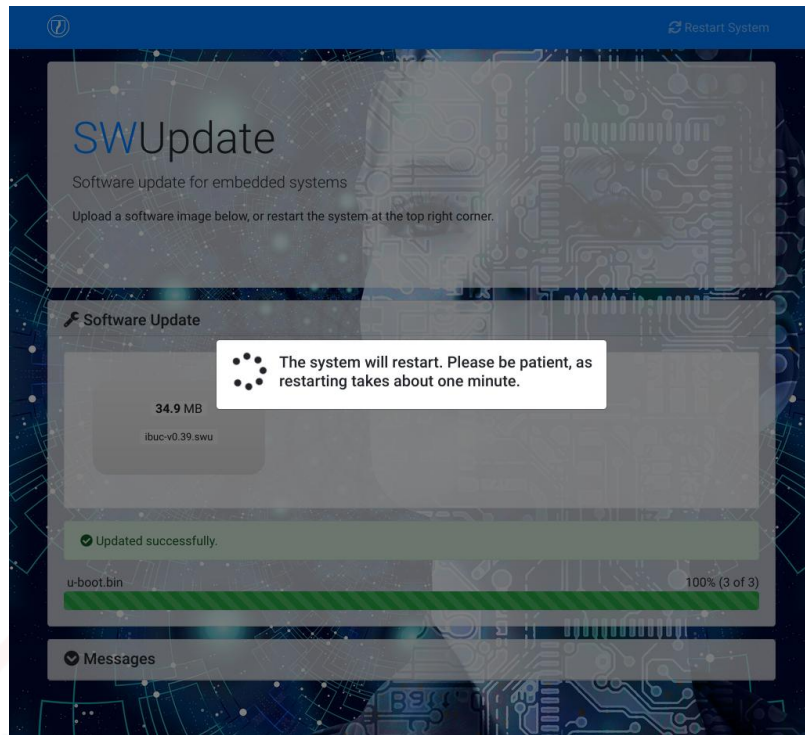
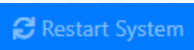


Figure 5: Software update progress

9. Wait for the progress indicator to say that it is completed and wait for the device to reboot.



10. Upon completion the web page will come back to the original page asking for firmware upgrade. The unit is updated and can be used now.
11. You may also click the “ Restart System” button in the upper right corner or reboot the TXI system.

Once the unit reboots, the upgrade is complete.

Please contact techsupport@terrasatinc.com if you need any further instructions or help.