

Selectronix, Inc.
16419 199th Court Northeast
Woodinville, Washington 98077-5401

(425) 788-2979

FAX: (425) 788-7376

SLC4060FirmwareUpgradeProcedure.docx

Rev. 07/16/16

SLC4060 Process Gateway Firmware Upgrade Procedure via Ethernet

- An integral Ethernet bootloader provides for the field upgrading of the firmware.
 - T1 is the metal RJ45 connector on the right side of the PGW.
- Obtain the firmware *.hex file from Selectronix.
- Download and install TFTPUtil Client GUI from <http://sourceforge.net/projects/tftputil/>
- Obtain a laptop PC and a **network Hub and not an Ethernet Switch.**
- Configure the PC for the 192.168.0.nnn subnet
 1. **Windows 7 example** (step-by-step may vary)
 1. Open Control Panel, Network and Sharing Center
 2. Change adapter settings
 3. Check on Local Area Connection
 4. Select “Change settings of this connection”
 5. Continue with Windows 10 example, step 2, below
 6. See “Local Area Connection Properties” dialog box
 - a. Click on Internet Protocol Version 4 (TCP/IPv4)
 - b. Click on Properties
 - c. Most likely the “Obtain an IP automatically” is selected
 - d. Change this to “Use the following IP address”
 - i. IP Address: 192.168.0.10 (**last number just not 100**)
 - ii. Subnet mask: 255.255.255.0
 - iii. Default gateway: blank
 2. **Windows 10 example** (step-by-step may vary)
 1. <Start> <Settings><Network & Internet><Ethernet>Change adapter options>
 2. See “Local Area Connection Properties” dialog box
 - a. Click on Internet Protocol Version 4 (TCP/IPv4)
 - b. Click on Properties
 - c. Most likely the “Obtain an IP automatically” is selected
 - d. Change this to “Use the following IP address”
 - e. IP Address: 192.168.0.200 (**really any number, just not 100**)
 - f. Subnet mask: 255.255.255.0
 - g. Default gateway: blank
 - h. Connection to the Process Gateway Ethernet connector labeled “T1” may be made by:
 - Connection to the Process Gateway Ethernet connector labeled “T1” may be made by:
 - The PGW is not auto-sensing and requires connection using a **Ethernet Hub, Not a Switch.**
 1. Connect the PC and PGW to the standard ports of the hub.
- **Verification of setting (Optional)**
 - With the PGW connected and powered
 - Open a command box <Start><Cmd>
 1. Ping the IP set in step 2e and verifies it replies.
- Open TFTPUtil Client GUI
 1. Host: Enter **192.168.0.100**
 2. Filename: Enter the filename or browse using the button to the right
- Note that you have about 5 seconds after the PGW power up to send the file.
 1. Power up the PGW and **wait until a yellow LED on the “T1” connector blinks.**
 2. In the TFTPUtil Client GUI, press “Put File”
 3. On the PGW, **see both green and yellow LEDs on T1 blink**
 4. In the TFTPUtil Client GUI, see **“Successfully sent file(nnnnn bytes) to 192.168.0.100”**
 5. Power up the system and verify the new version has been loaded by inspecting the PGW version in the TSGW.