

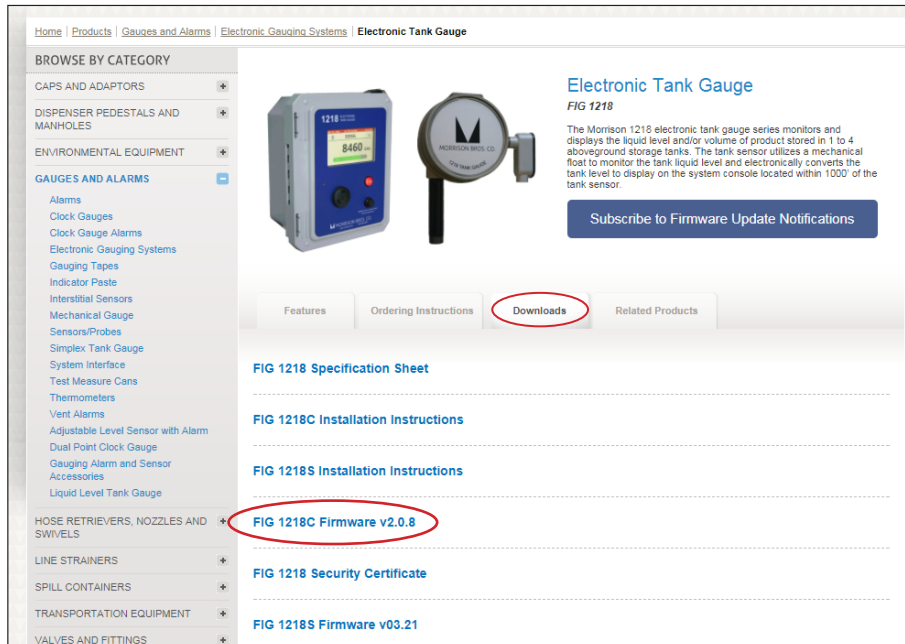


Instructions for 1218C Firmware Upgrades *(also found in the 1218 Installation Instructions)*

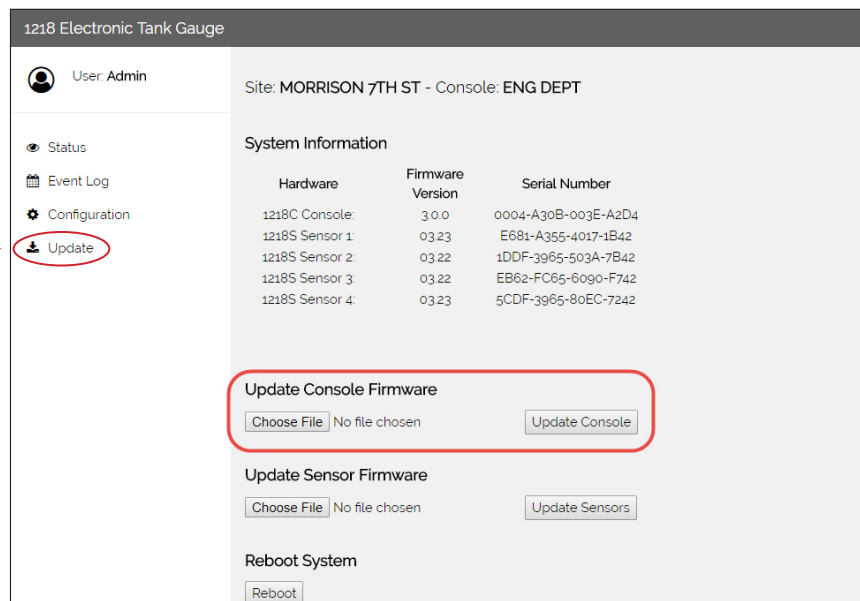
Firmware Upgrades can be accomplished remotely through the web interface or on-site at the console. The latest Firmware can be downloaded from www.morbros.com/1218.

To perform a **Firmware Upgrade** from the website, perform the following steps:

- Go to www.morbros.com/1218 and click on the Downloads tab.
- Select the 1218C firmware file and save it to your computer. Remember where the file is saved.



- Next go to the 1218 Electronic Tank Gauge website.
- Click on “Update” in the navigation menu
- Under “Update Console Firmware” click on the CHOOSE FILE button.
- Browse to find the firmware file you saved from the Morrison website.
- Click on the file.
- Click on the UPDATE CONSOLE button.
- When update is complete, verify 1218C Console Firmware Version has been updated.
- To ensure the web browser’s cache is refreshed, press CTRL+F5 with the webpage open. (Completely closing down the web browser and reopening it should also have the same effect.)



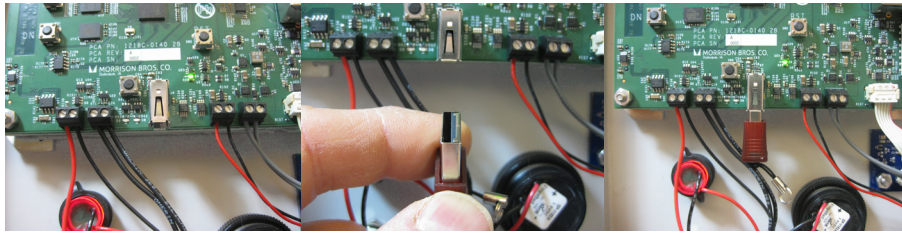


Instructions for 1218C Firmware Upgrades *(continued)*

IMPORTANT: When performing a Firmware Upgrade from the console, choose a time when opening the enclosure will not cause dust, dirt or water (e.g. rain) to get into the enclosure.

To perform a **Firmware Upgrade** from the console, perform the following steps:

- Using a PC, download the latest firmware version and save to the USB Flash drive **that was provided with the system**. Other USB flash drives may not work with the system. (Contact Customer Service for a compatible USB flash drive if an extra one is needed.)
- Unlock, unlatch and swing the 1218C enclosure door open. Locate the USB port on the main control board on the back side of the front panel.
- Insert the USB Flash drive into the USB port connector.



- If the 1218C display is not awake, then wake it up with a Single Tap of the Silence/Test button.

- Enter the Console’s System Menu by pressing and holding the UP button on the control board while simultaneously pressing and holding the Silent/Test button for no less than three seconds.
- Using the UP and DOWN buttons on the control board, navigate to the “Firmware Version” menu option and Single Tap the Silence/Test button.
- Using the UP and DOWN buttons on the control board, navigate to the “Update Firmware” option on the Firmware Version menu. Single Tap the Silence/Test button.
- The WARNING screen appears asking you if you are ready to perform the update. A Single Tap on the Silence/Test button tells it to go ahead.

<p>MENU</p> <p>CLOCK SETTINGS DISPLAY SETTINGS INDICATOR SETTINGS NETWORK SETTINGS ▶ FIRMWARE VERSION</p>	<p>FIRMWARE VERSION</p> <p>CURRENT VERSION ▶ UPDATE FIRMWARE REVERT FIRMWARE</p>	<p>WARNING</p> <p>BEGIN FIRMWARE UPDATE?</p> <p>PRESS AND HOLD UP AND DOWN BUTTONS TO CANCEL</p>
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<p>INFO</p> <p>FIRMWARE UPDATE IN PROCESS...</p>	<p>INFO</p> <p>FIRMWARE UPDATE IN PROCESS...</p> <p>Updating console... Sector 18 of 31 updated</p>	<p>INFO</p> <p>REBOOTING...</p>
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<p>MORRISON BROS. CO.</p> <p>ELECTRONIC TANK GAUGE FIRMWARE VERSION 1.1.0</p>	<p>INFO</p> <p>READING SENSORS...</p>	<p>JAN 11, 2017 ULLAGE: 4.083 2:29 PM</p> <p>E85</p> <p>10,507 GAL</p>
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NOTE: If “USB Not Found” error message occurs, cycle power and try again.

- Relax while it finds the new firmware on the USB Flash drive, loads it into memory, moves it to its own internal flash and reboots the 1218C. This process can take as long as 2 minutes.
- When the Morrison Bros. Co. “splash screen” appears, note the new Firmware Version displayed at the bottom of the screen.

NOTE: During the reboot, the display will be turned off for about 1 minute. A red LED (to the left of the USB port) will flash during this time. Once the update has completed, the light will temporarily illuminate green upon success, or permanently illuminate red on failure (at which point a power cycle will recover the previous firmware version).

- When the 1218C completes its reboot and successfully reads the sensors, then remove the USB Flash drive from the USB connector on the control board.
- Close, latch and lock the 1218C enclosure.