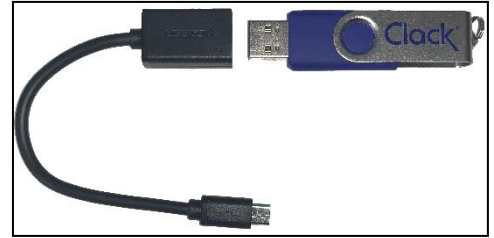




WS2H, WS2HF, & WS3 IN-FIELD SOFTWARE UPDATE

- Tools required:
- 1 USB thumb drive; 8 GB or 16 GB; clean; formatted to FAT32
 - 1 USB to Micro USB adapter cable (V4457)



1. Copy the attached files (image.hex) and (img1024.hex) from your email to a clean thumb drive.

Note: Do not change the name of the file.

2. For multi-unit systems, reprogram Valve 1 (the Lead valve) first. Always disconnect the Cat5 communication cable before updating a valve.

3. With the control valve powered on, move the black jumper from the 2 leftmost pins to the 2 rightmost pins, as shown to the right.



4. Press and hold NEXT and REGEN for at least 3 seconds to reset the control valve. After the valve resets, the display will read **Bootloader V. 1.01 or Bootloader V.2.01.**

5. Plug the thumb drive in to the Micro USB port (located to the right of the jumper) using the USB to Micro USB adapter cable.

6. Wait until the display reads **Loading...** then move the black jumper back onto the 2 leftmost pins. The display will read **Initializing...** for about 45 seconds.

7. Once the display shows **COMPLETE**, remove the thumb drive and wait for the valve to finish initializing.

8. Once the valve has finished initializing, press and hold UP and DOWN to open Diagnostics. The display will show **Days Since Regen.**

9. Press and hold UP and DOWN again to open Deep History. The display will show **Days Since Startup.**

10. Press NEXT 3 times to see the version number. Verify it has been updated to the latest software version.

11. On the version number display, press and hold SET CLOCK and NEXT until the display reads **Formatting Flash.** The formatting and initializing process will take about 45 seconds.

12. Once the valve has finished, press NEXT until the display shows the time of day. It will be flashing.

13. Press and hold SET CLOCK to set the time and date.

14. Reprogram the valve to the proper settings.