FLŌ ENERGY SOLUTIONS	Technical Guide	CN-IC2-07
Title:	i-Controller 2.0 OS Loading Using a USB	

This work instruction describes how to update the OS in the i-Controller unit controller.

Note: The i-Controller will require a micro USB male to USB female adapter or a micro USB drive.

Transfer Application Files to i-Controller

1. Obtain a pre-configured USB thumb drive.
2. Locate the i-Controller.
3. Verify the i-Controller has power applied and is '**ON**'.
4. Use adapter, if required, and insert the USB thumb drive into the i-Controller as seen in figure 1.
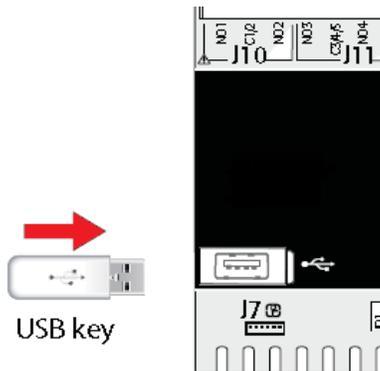

Figure 1. Insert USB into Port

5. Once the USB thumb drive is inserted into the i-Controller, press and hold the alarm ↵ and enter buttons ↵ for 3 seconds. See figure 2.

Figure 2. i-Controller Home screen

6. Using the down arrow, scroll to the "UPGRADE" selection and press the enter button ↵. See figure 3.
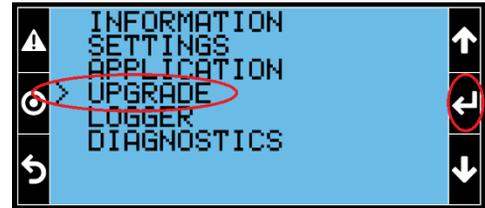

Figure 3. i-Controller screen

7. From the "UPGRADE" screen, press the enter button ↵ to upload the OS. If there are multiple files, use the up/down arrows to select the iController OS file. See Figure 4.
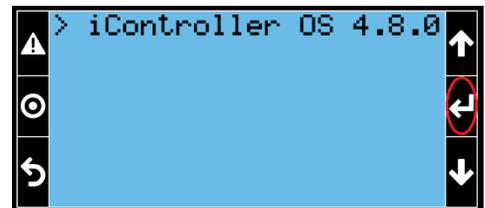

Figure 4. i-Controller Upgrade screen

Do not remove the USB thumb drive once this process starts.

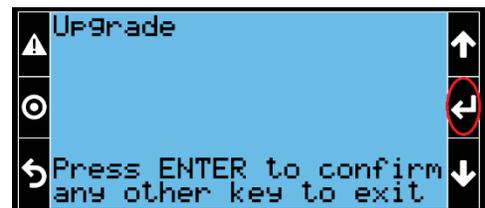8. Next, you will be prompted to start the upgrade process. See figure 5.

Figure 5. i-Controller Upgrade screen

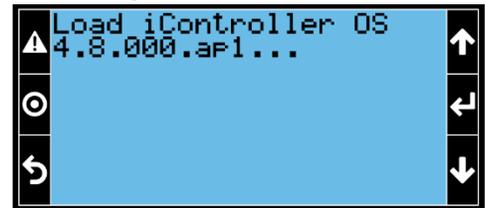9. The display will scroll through several loading screens. See figure 6.

Figure 6. i-Controller Upgrade screen

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10. Once the upgrade is completed, you will be prompted to restart the controller. Press the enter button ⏎ to restart the controller. See figure 7.

Figure 5. i-Controller Upgrade completed screen

11. Once the controller reboots, the display returns to the **'Overview'** screen, remove the USB thumb drive. See figure 8.

Figure 6. Overview screen

NOTES:

    a. During the OS update, the controller will need to be reboot.

    b. The OS update may take up to **5-minutes** to complete.

    c. Do not remove power or the USB thumb drive during the OS update process.

Verify Successful OS Update

After updating the i-Controller OS, verify the OS update was successful by verifying the OS version using the display.

1. Use the i-Controller display to navigate to the **'Information'** screen.
2. From the **'Overview'** screen, use the quick menu options to select the 'Information Menu' and press 'Enter' ⏎.
3. Verify the correct OS version number is displayed nest to OS ver. on the Information screen. See Figure 9.

Figure 7. Information Screen

i-Controller OS Version