

This Technical Note only applies to Hardware Revisions which meet the criteria outlined in the table below.

FinePointe WBP 4 Site	Revision 9 or lower, or units which do not have a Revision number printed on the label
FinePointe WBP 2 Site	Revision 4 or lower, or units which do not have a Revision number printed on the label
FinePointe NAM 4 Site	Units which do not have a Revision number printed on the label
FinePointe NAM 2 Site	Units which do not have a Revision number printed on the label

To determine the Revision on your FinePointe Hardware, check the label on the back of the controller (see image 1). Note: If your hardware meets the criteria above you will need to update its firmware.



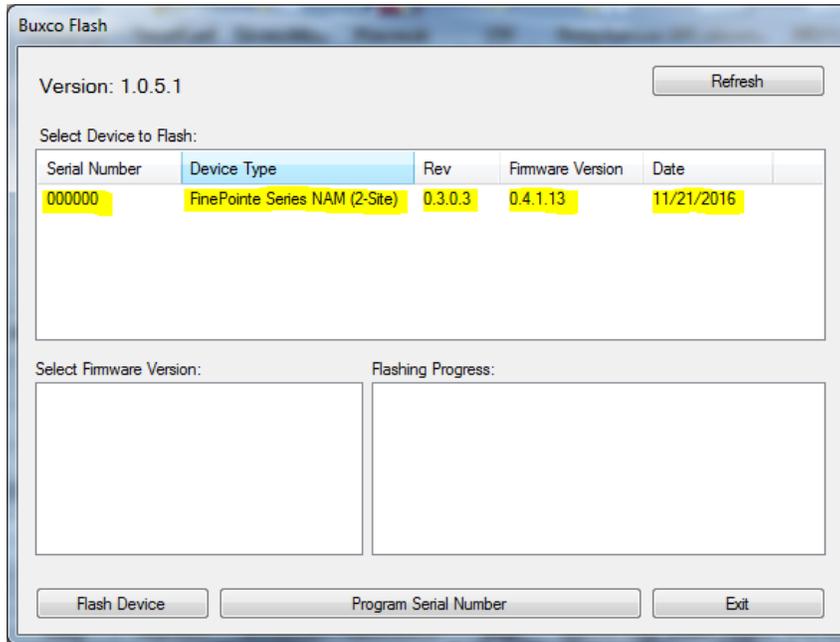
Figure 1

Follow these steps to update the firmware on your DSI Buxco FinePointe WBP and NAM Controller

- 1) Save the most recent FinePointeFirmware folder onto the computer with the FinePointe acquisition software installed
 - a. The FinePointeFirmware folder can be downloaded from the DSI Gateway Portal here: <https://www.datasci.com/portal-pages/portal-login>
 - i. If you do not have DSI Portal login, click the “Register” button to create an account
 - ii. If downloading the folder from the DSI Portal, unzip the folder prior to proceeding to step 2
 - b. If you have received a FinePointe 2.4.6 USB drive you will find this FinePointeFirmware folder there
- 2) Turn on the FinePointe Controller hardware and connect it to the computer via the USB cable
- 3) Ensure that no other FinePointe programs are running
- 4) Open the FinePointeFirmware folder and double-click the “wflash.exe” program

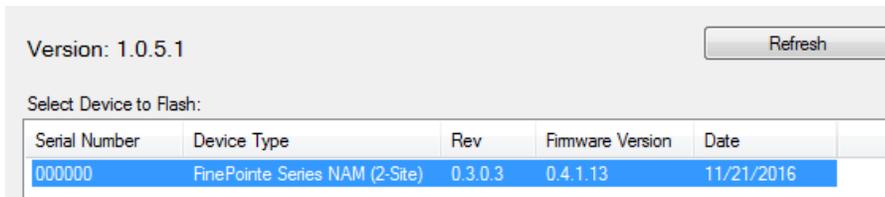
wflash.exe	3/13/2017 2:50 PM	Application	41 KB
Nerves.dll	3/10/2017 10:23 AM	Application extens...	254 KB
NAM2Site0301V041F.s19	3/7/2017 7:58 AM	S19 File	165 KB
NAM2Site0302V041E.s19	12/20/2016 10:43 ...	S19 File	165 KB
NAM2Site0303V041D.S19	7/28/2016 9:26 AM	S19 File	165 KB

- 5) The program will display the connected FinePointe Controller, as well as its Serial Number, Device Type, hardware Rev, Firmware Version, and the date that firmware was installed

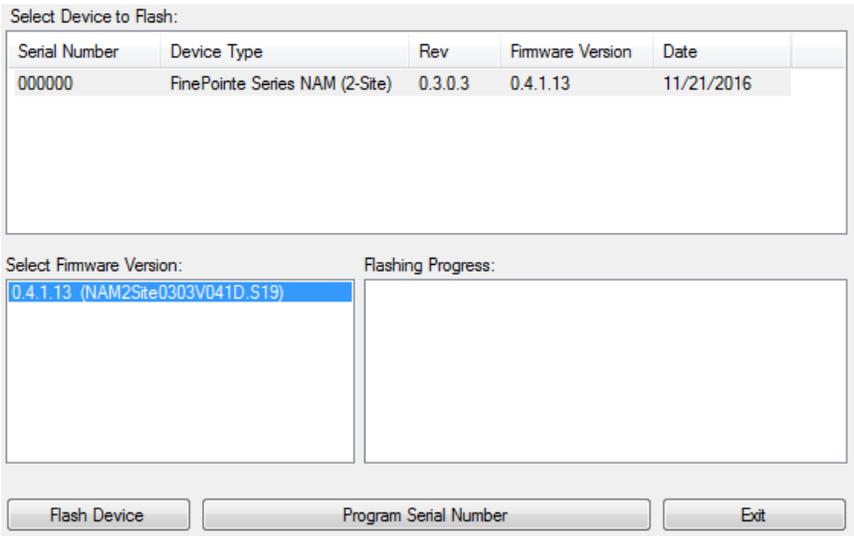


- a. If you do not see the FinePointe hardware listed here, ensure that the USB cable is connected properly and the unit is turned on, then click the Refresh button in the upper-right corner

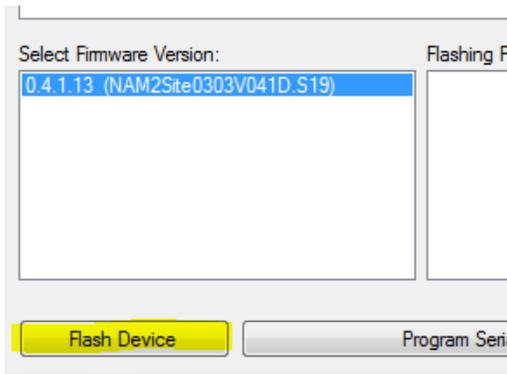
- 6) Click on the displayed hardware to highlight it



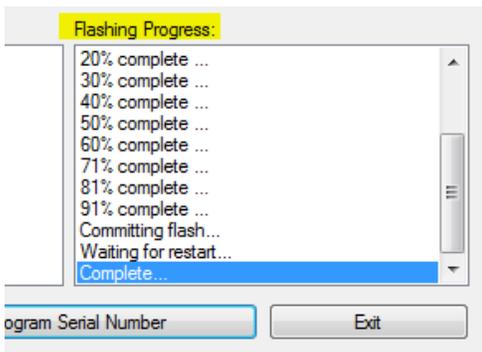
- 7) The “Select Firmware Version” pane will now display the updated Firmware file. Click on that Firmware to highlight it as well



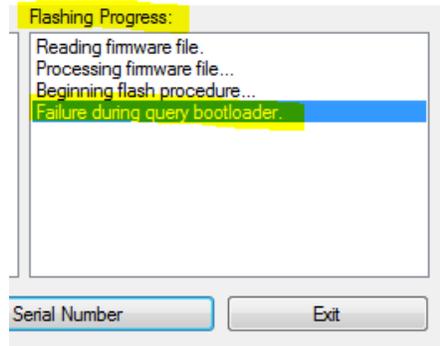
- 8) Click the “Flash Device” button in the bottom-left corner



- 9) The “Flashing Progress” pane will show the progress of the firmware update. This only takes a few seconds, after which you will see the “Complete” message.



- a. If the Firmware update fails you will see a different message, such as “Failure during query bootloader”



If this happens, click the Refresh button and follow steps 5-8 again until you see the “Complete” message instead

- 10) Your FinePointe Controller is now updated with the latest firmware for its hardware revision and can be used immediately. Exit the firmware program.

NOTE: This new firmware is intended to make the calibration procedure more accurate by means of venting the internal reservoir during the automated volume injection from the water calibrator. Due to this increased calibration accuracy you may see a small percentage shift in your flow/volume values with the new firmware. DSI recommends **not** installing this new firmware until you have a break between studies to avoid causing a non-physiological shift in data in the middle of a study.