Upgrading 8742 Controller Firmware to v2.0

Note: all cases assume that the New Focus Model 8742 Firmware Downloader v2.0 has not yet been used to upgrade the firmware.

Case 1: All 8742 controllers (serial number 10200 and greater) have RS-485 connectors (located above the USB connector).
1. All 8742 controllers with RS-485 connectors are currently shipped with v2.0 (or later) firmware.
2. Install the New Focus Picomotor Application v2.0.2 (or later) software.

Case 2: One or more 8742 controllers (serial number 10150 and below) do not have RS-485 connectors (located above the USB connector) and the New Focus Picomotor Application v1.0.1 is currently installed (v2.0.2 or later has not yet been installed).
1. Run the New Focus Model 8742 Firmware Downloader v2.0.
2. Download firmware to all controllers with serial number 10150 and below that do not have RS-485 connectors.
3. Disconnect (or power off) all USB devices from the PC.
4. Install the New Focus Picomotor Application v2.0.2 (or later).

Case 3: One or more 8742 controllers with serial number 10150 and below do not have RS-485 connectors (located above the USB connector) and the New Focus Picomotor Application v2.0.2 (or later) has already been installed.
1. Run the New Focus Model 8742 Firmware Downloader v2.0.
2. Download firmware to all controllers that do not have RS-485 connectors.
3. Run the New Focus Picomotor Application v2.0.2 (or later) to verify that it is able to communicate with all 8742 controllers (displayed in the Controller Tree).

If the Firmware Downloader fails to upgrade the firmware to v2.0

1. Using the Windows software Control Panel, uninstall the New Focus Picomotor Application.
2. Using the Windows software Control Panel, uninstall the Newport USB Driver.
3. Delete UsbDll.dll from the system folder ("C:\Windows\system32" on a 32-bit OS or "C:\Windows\SysWOW64" on a 64-bit OS).
4. Reinstall the New Focus Picomotor Application v1.0.1.
5. Perform steps 1-4 from case #2.

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