

Upgrading PM800 Firmware

On the front panel of the meter determine the current revision of the three firmware files. (RS, DL, OS)

On the front panel of the meter select "MAINT -> DIAG -> METER"

You will see the OS and Reset. Scroll to the right "->" to see the DL

OS: 12.xxx

RS: 10.700

DL: 10.700

If the RS and DL version are up to date you will only need to upgrade the OS.

You can find the V12.500 firmware for the PM800 series meters at the following link.

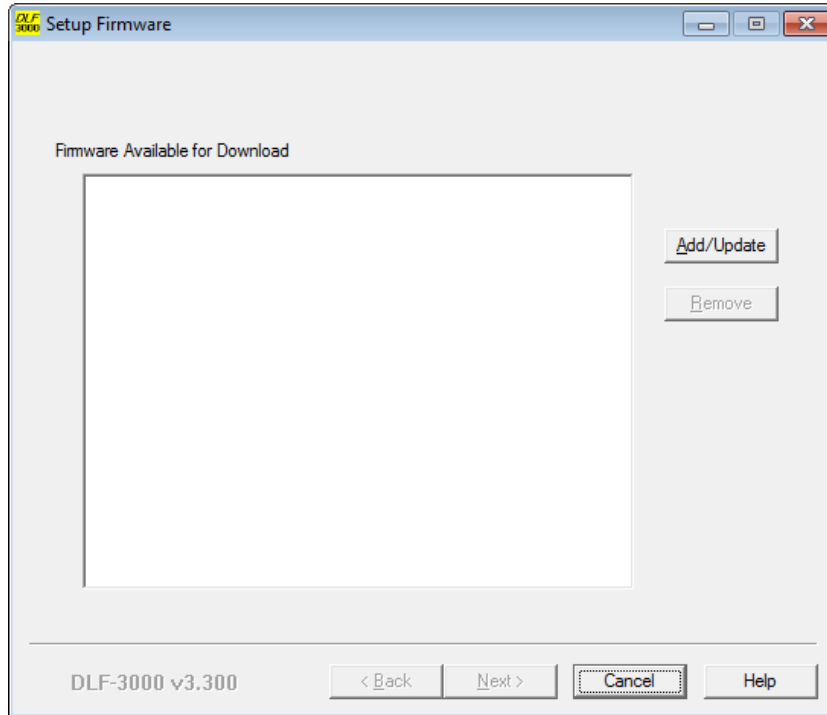
http://www.powerlogic.com/downloaddetail.cfm/cs/1/csec/2/fk_cat_id/0/fk_subcat_id/0/fk_p_id/0/fk_dc_id/0/fk_dsc_id/0/sub_id/162

You can download the DLF3000 firmware upgrade utility at the following link.

http://www.powerlogic.com/downloaddetail.cfm/cs/1/csec/2/fk_cat_id/0/fk_subcat_id/0/fk_p_id/0/fk_dc_id/0/fk_dsc_id/0/sub_id/93

Download the PM800 firmware files you will require along with the DLF3000 setup utility and install DLF3000 on a computer that you will be able to connect to the meters with.

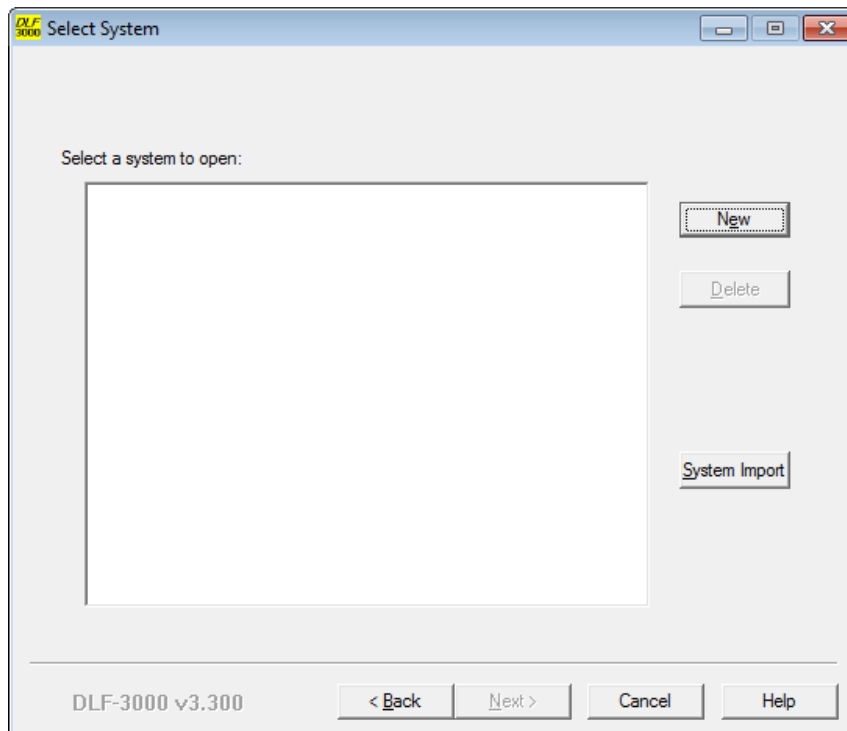
1- Open the DLF300 Firmware Upgrade Utility

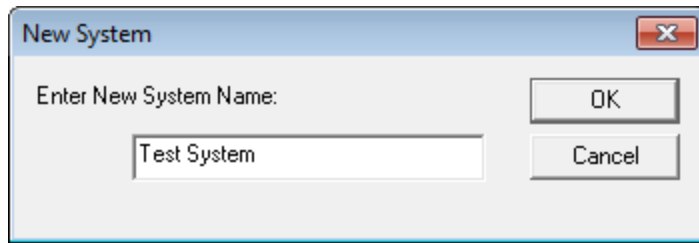


2- Click "Add/Update" to add the PM800 Firmware files.

Browse to the location where you saved the PM800 firmware files and select the files you will be using to upgrade the PM800 firmware.

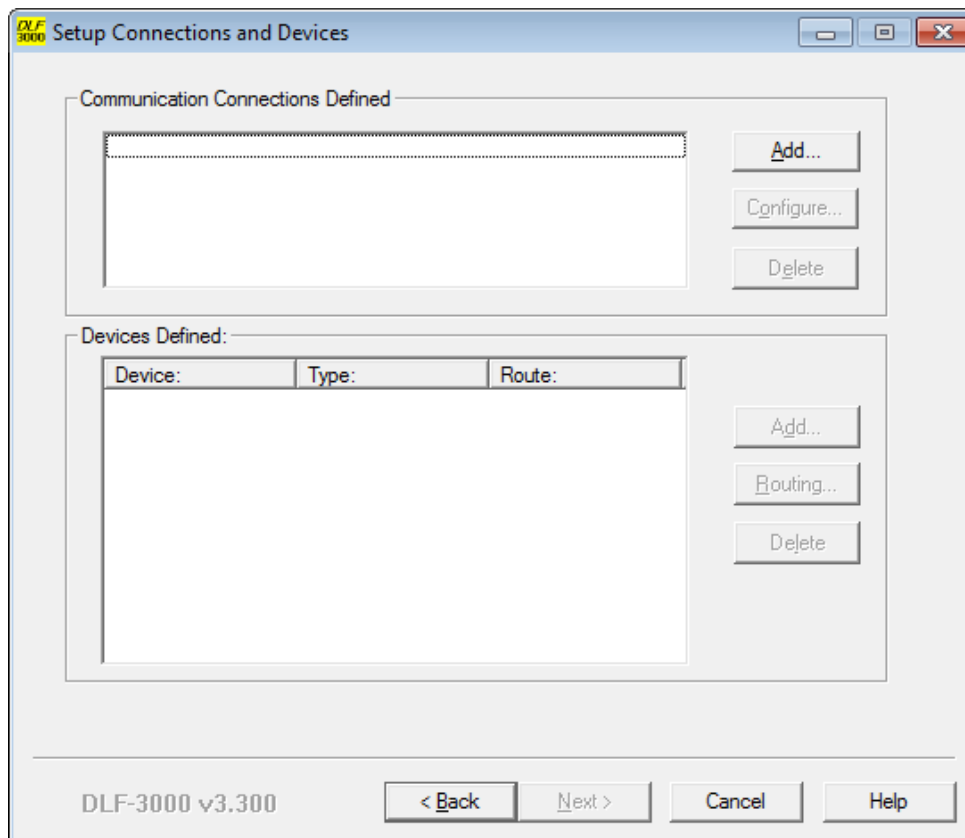
3- Click "Next" then click "New" in the "Select System" window and enter a system name.



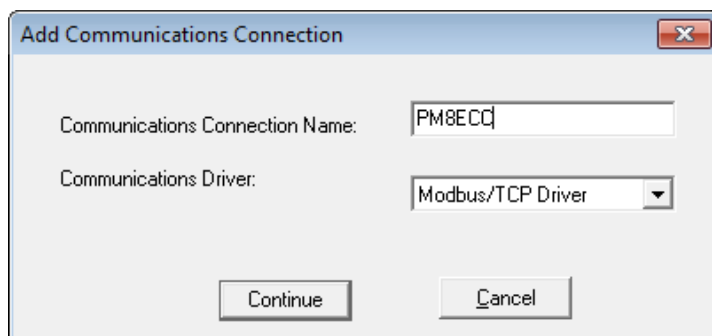


Click "OK" and the "Setup Connections and Devices" window will open.

5- In the "Communication Connections Defined" section click "Add"



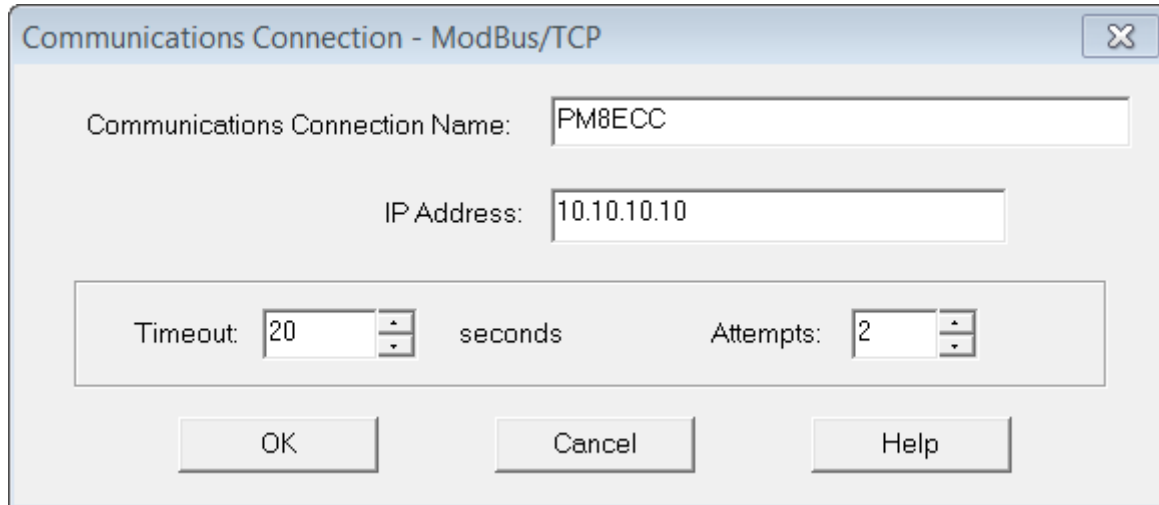
Input a name for the connection and select "Modbus/TCP Driver" then click "Continue".



The “Communications Connection – Modbus/TCP” window will open.

6- Input the IP address of the PM800 you are attempting to upgrade the firmware on.

Click “OK”

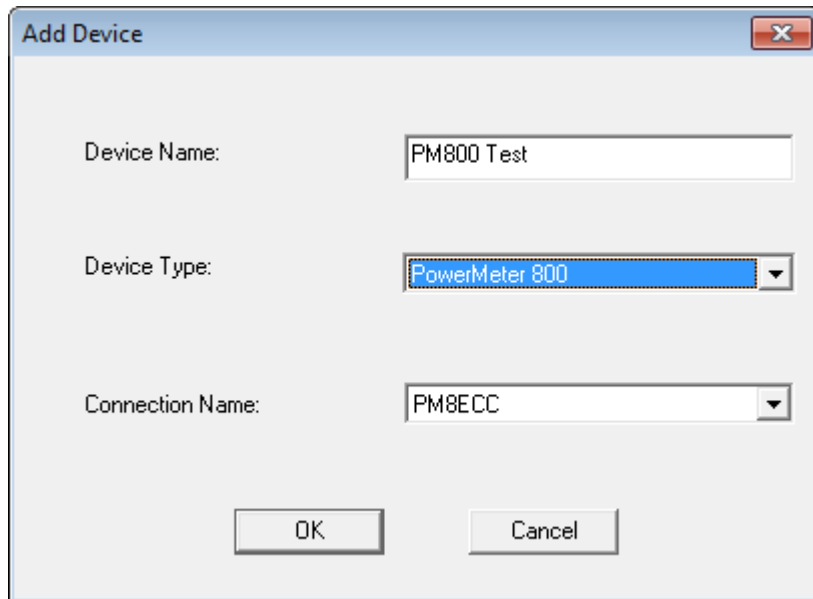


The screenshot shows a dialog box titled "Communications Connection - ModBus/TCP". It contains the following fields and controls:

- Communications Connection Name:
- IP Address:
- Timeout: seconds
- Attempts:
- Buttons: OK, Cancel, Help

7- In the “Setup Connections and Devices” window click “Add” in the “Devices Defined” section

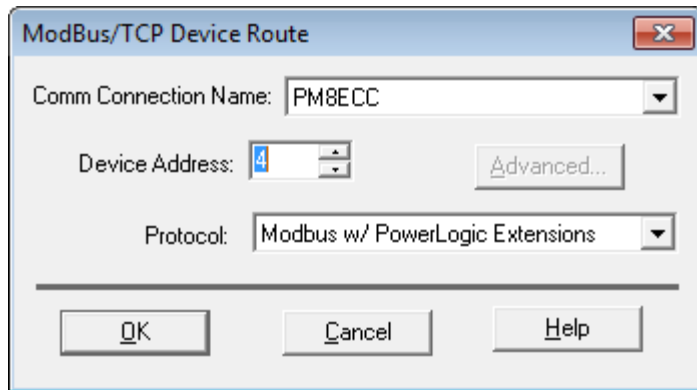
- i. Input a name for the device.
- ii. Select “PowerMeter 800” for the device type.
- iii. Select the connection name that you defined in the previous step and then click on "OK".



The screenshot shows a dialog box titled "Add Device". It contains the following fields and controls:

- Device Name:
- Device Type:
- Connection Name:
- Buttons: OK, Cancel

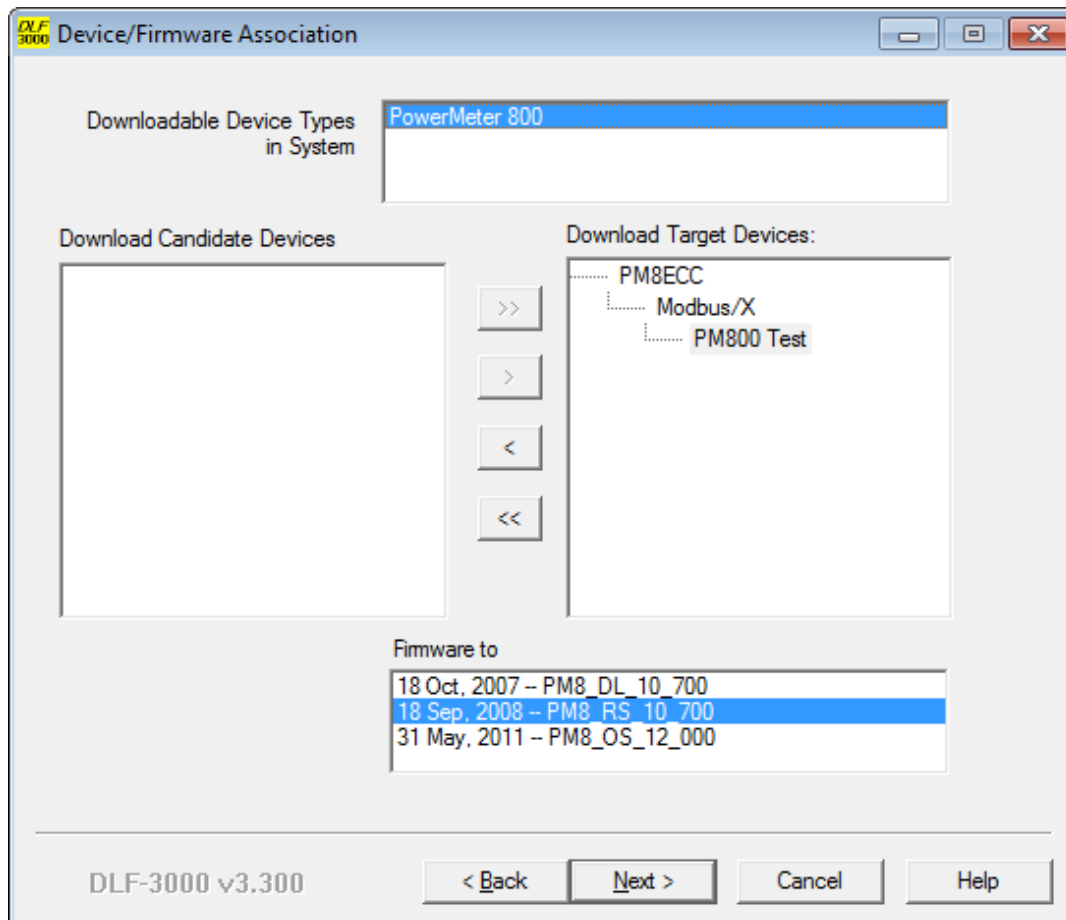
8- In the “ModBus/TCP Device Route” window, input the address of COM1 on the PM800 meter then click “OK”.



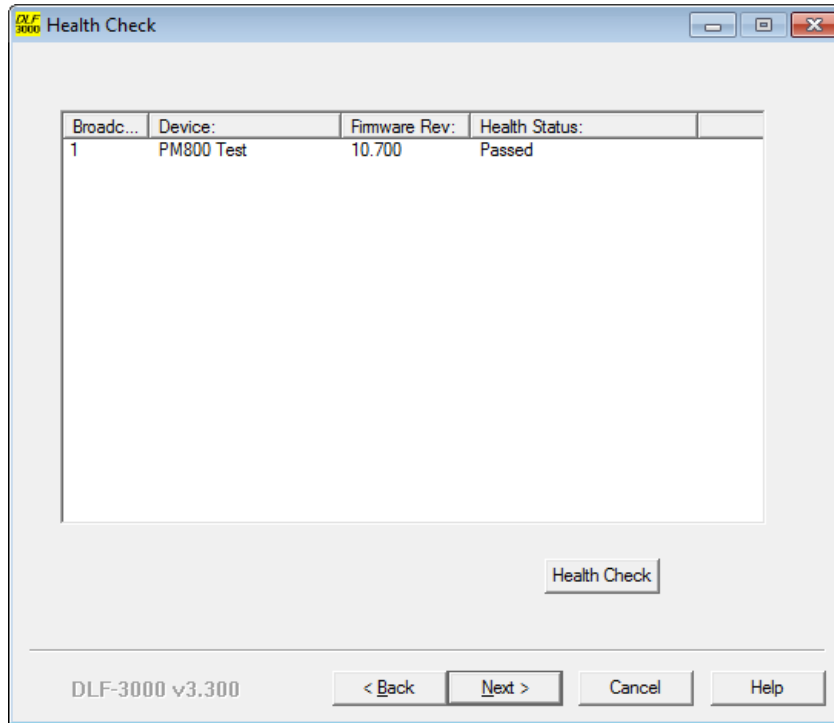
9- In the “Setup Connections and Devices” window click “Next”

10- In the “Device/Firmware Association” window select your device in the “Download Candidate Devices” window and click the “>” to bring your device into the “Download Target Devices” window.

11- If you need to upgrade all 3 firmware files, the upgrade order for **PM800** is RS -> DL -> OS. If upgrading all 3 firmware files select the RS file then click “Next”

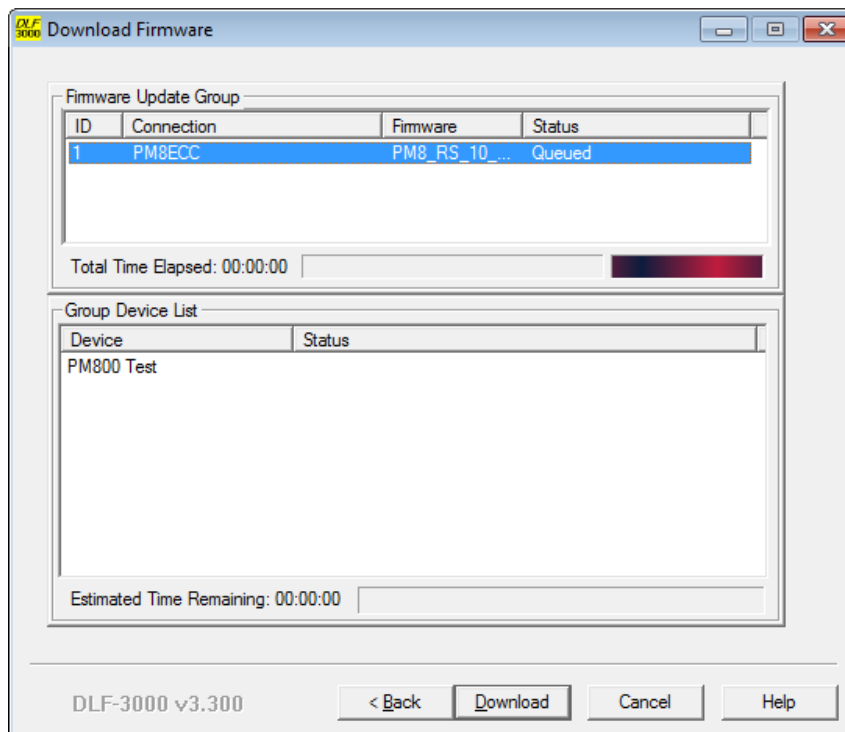


12- In the “Health Check” window click “Health Check” to verify the connection with your meter.

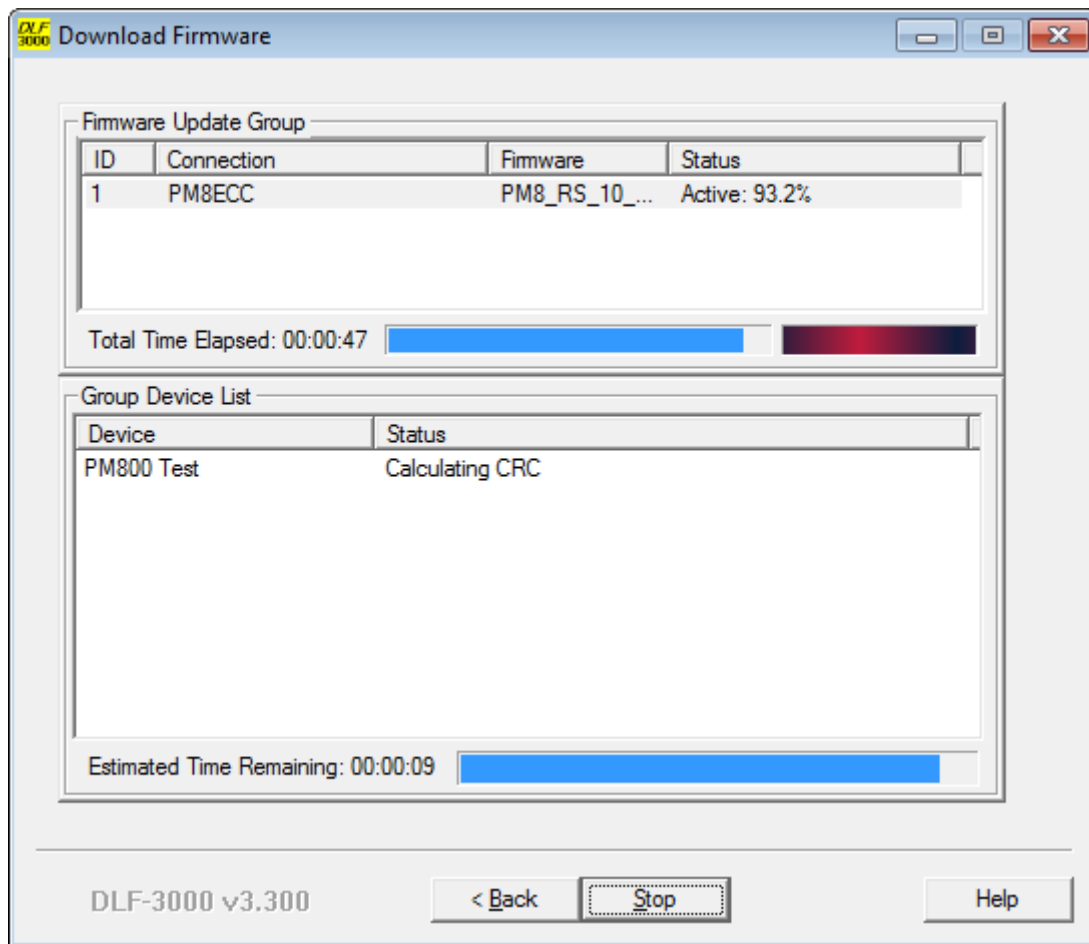
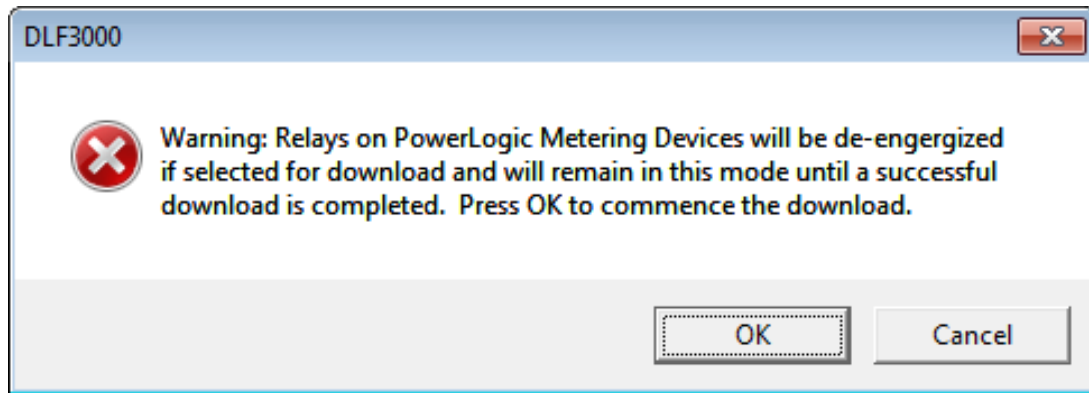


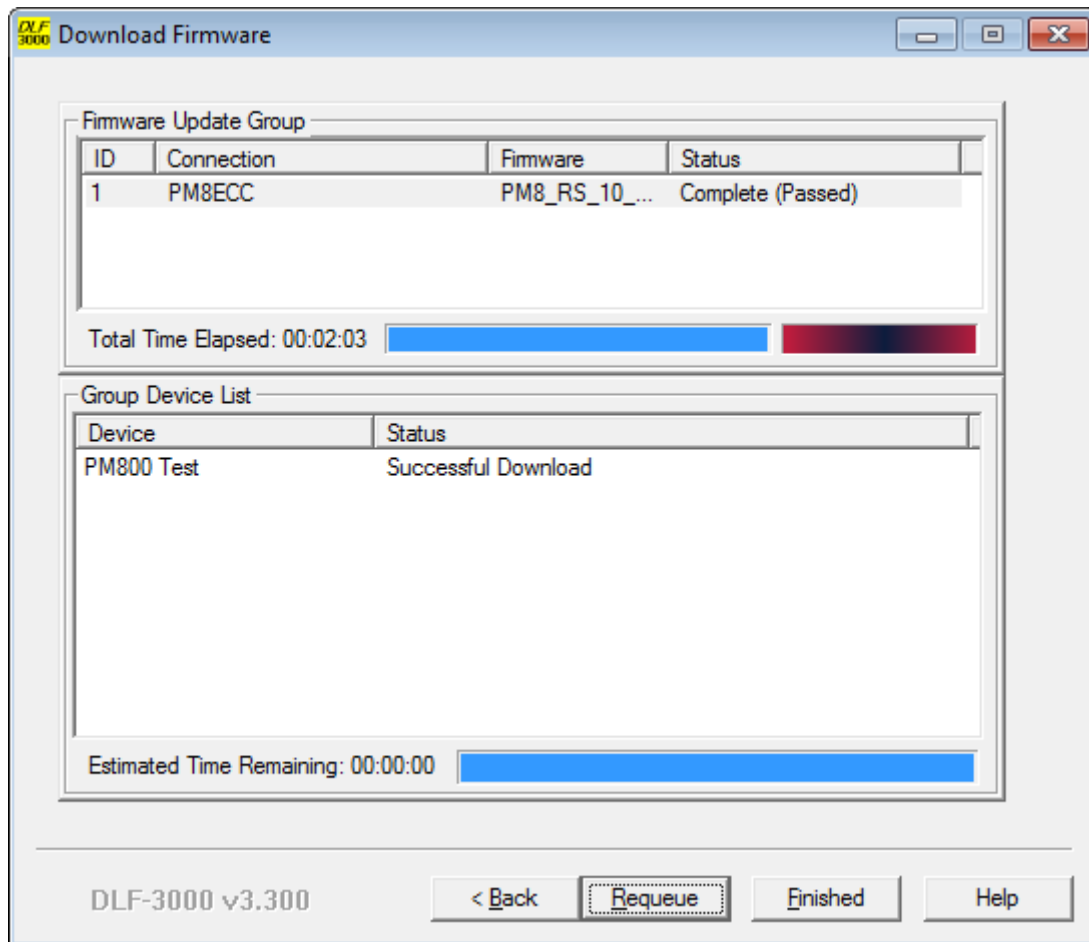
If the health check passes click “Next” (Health Status = “Passed”). If it fails, there is a connection issue with your meter and will need to troubleshoot before being able to proceed.

13- In the “Download Firmware” Window, click “Download” to perform the firmware upgrade for the specified file.



14- Click "OK" on the warning and the download will begin.





15- After the download completes click “Back” twice to return to the “Device/Firmware Association” window.

16- Select the DL firmware file, click “Next” twice then download this file to the meter.

17- After the download completes click “Back” twice to return to the “Device/Firmware Association” window.

18- Select the OS firmware file, click “Next” twice then download this file to the meter.

19- After the download finishes click “Finished” then select “Yes” to exit DLF3000.