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B2N360-Q42
Parameter Change

Manual

Changing Parameters on a B2N360-Q42 Through I/O Link

Items that will need to be installed and downloaded before configuring the sensor.

I/O-Link master driver;
http://pdb2.turck.de/repo/media/_en/Anlagen/USB-2-IOL-0002_DTM_setup.zip

IODD interpreter;
http://pdb2.turck.de/repo/media/_en/Anlagen/DTM_IOL_IODD_Interpreter.zip

PACTware;
http://pdb2.turck.de/repo/media/_en/Anlagen/PACTwareSetup_41_SP2.zip

IODD for device;
http://pdb2.turck.de/repo/media/_en/Anlagen/IODD_IOL_B2N360-Q42.zip
Store the IODD in a place easy to get to. This will have to be unzipped and uploaded to the interpreter.

BOM needed for configuration of B2N360-Q42:
B2N360-Q42-E2LIUPN8X2-H1181 or B2N360-Q42-E2LIUPN8X2-H1181/S97
USB-2-IOL-0002
RKC 8.301T-1,5-RSC 4T/TX320

Step 1

1) Once you have downloaded the IODD. Right click on "IODD_IOL_B2N360-Q42" and "Extract ALL…"
2) It should create another unzipped file double click on it to open file

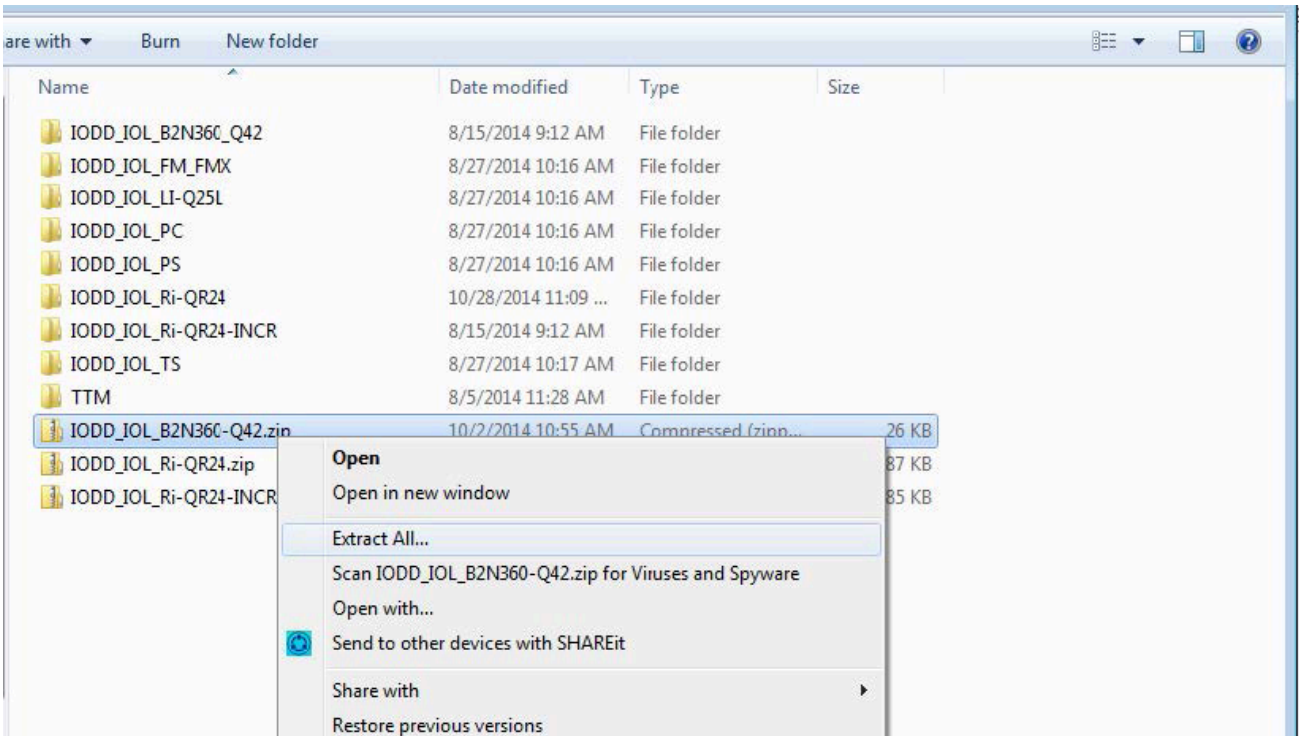


Figure 1

3) Once it is extracted open file to insure it is populated it should look like Figure 2.

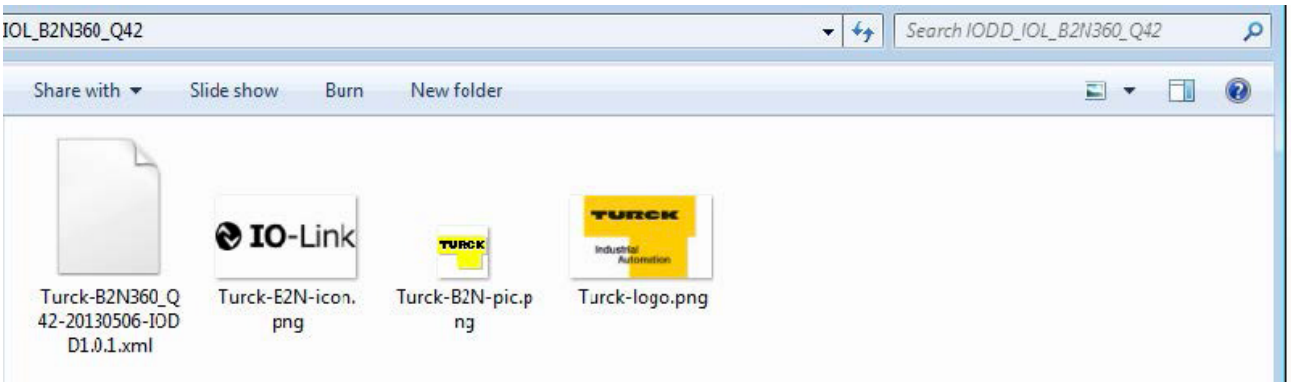
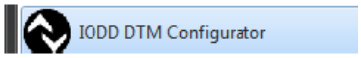


Figure 2

Step 2

1) Open IODD interpreter



2) Click on "Add IODD collection…"
3) Select IODD_IOL_B2N360-Q42
4) Click "OK"
(See Figure 3)

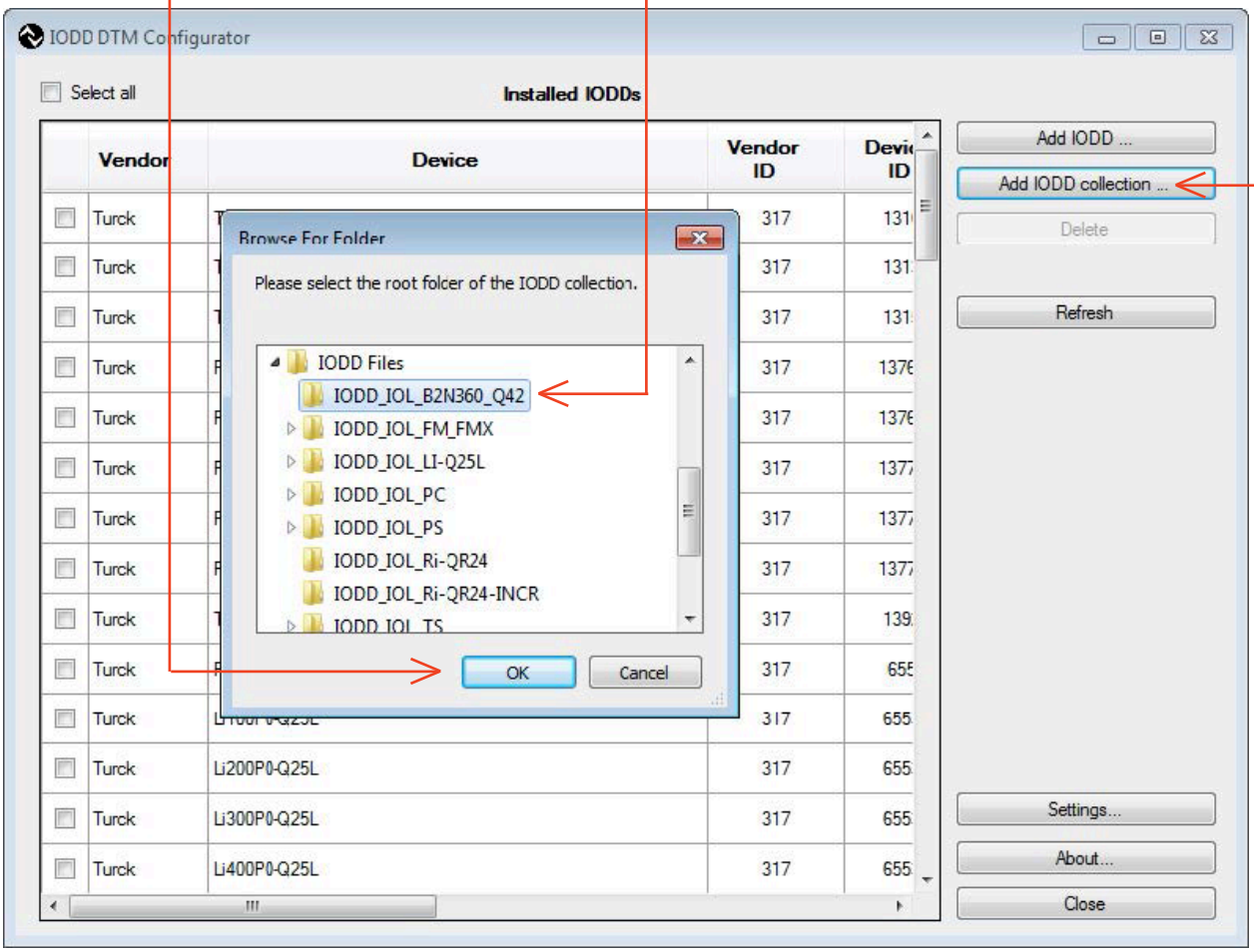


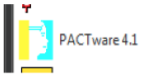
Figure 3

5) Once the IODD is uploaded you can close out of the IODD DTM Configurator.

Step 3

1) Connect the I/O-Link master to your PC and apply power, then connect the device. For the B2N360-Q42 the following cable is needed for use with I/O-LINK: RKC8.301T-1.5-RSC4T/TX320.

Step 4

1) Open PACTware 

2) Click on “Add device” 
3) Then select the “IO-Link USB Master 2.0”
4) Click “OK”.
(See Figure 4)

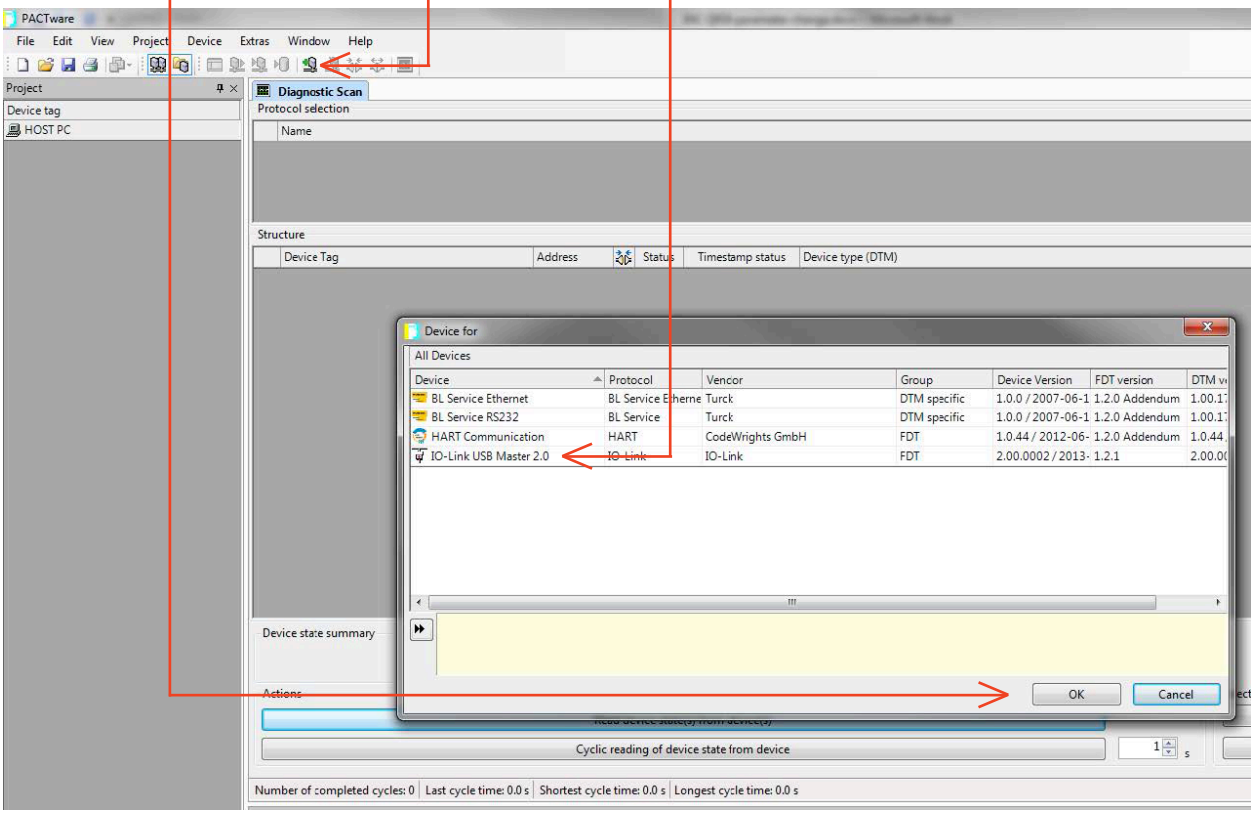


Figure 4

5) You will see that it will populate in the project window under HOST PC. Right click on it and click on “Connect” (See Figure 5)

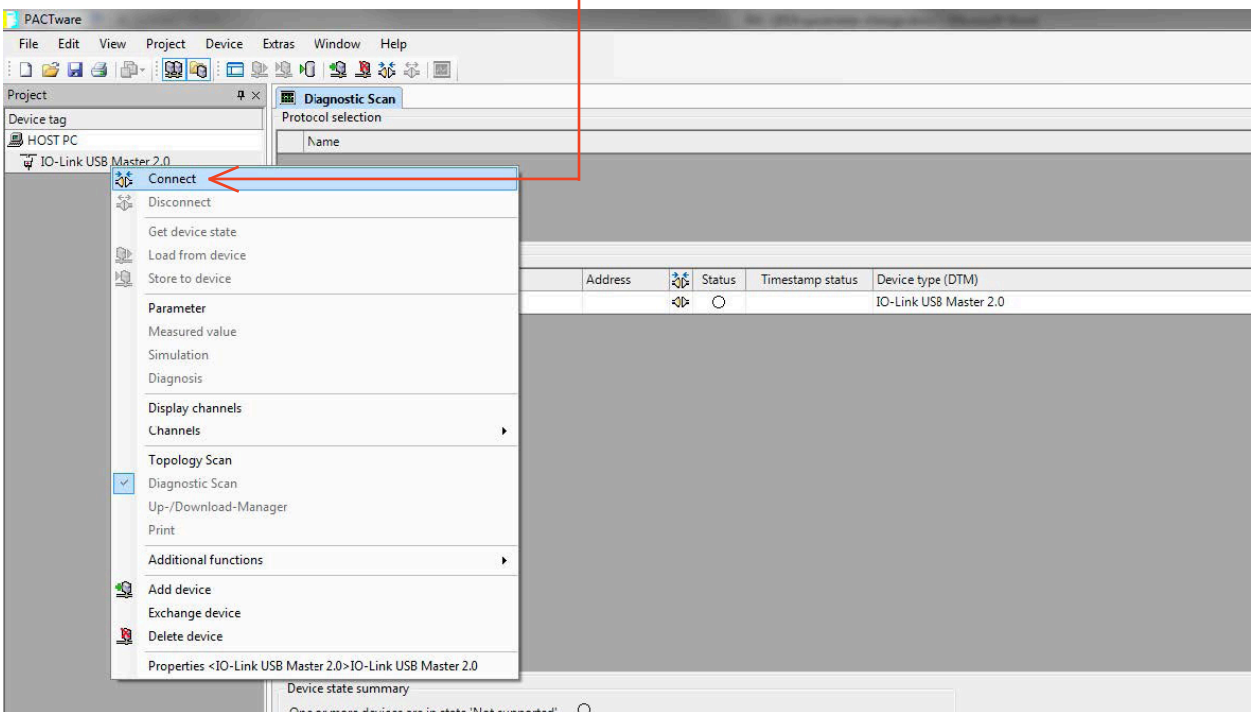


Figure 5

6) Once that is connected click on “Add device” 
7) Find the part number of the device in the list available
8) Click “OK”.
(See Figure 6)

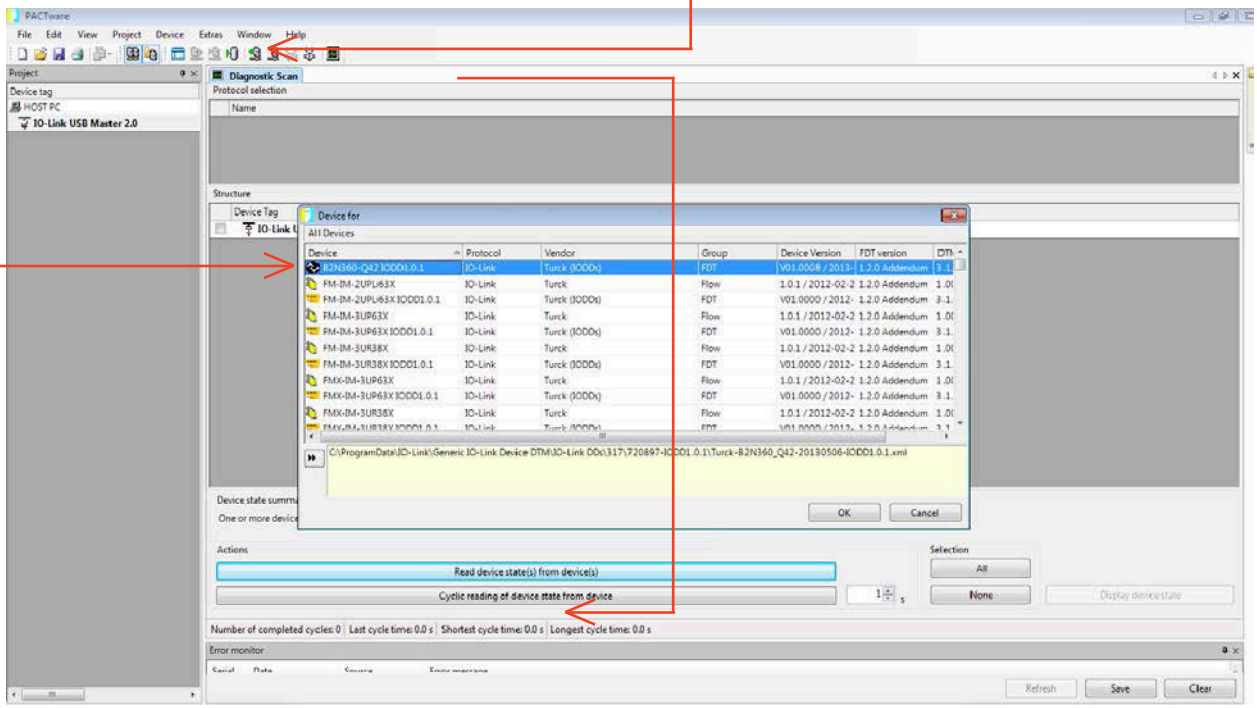


Figure 4

9) You will see that it will populate in the project window under IO-Link USB Master 2.0 right click on it and click on “Connect” (See Figure 7)

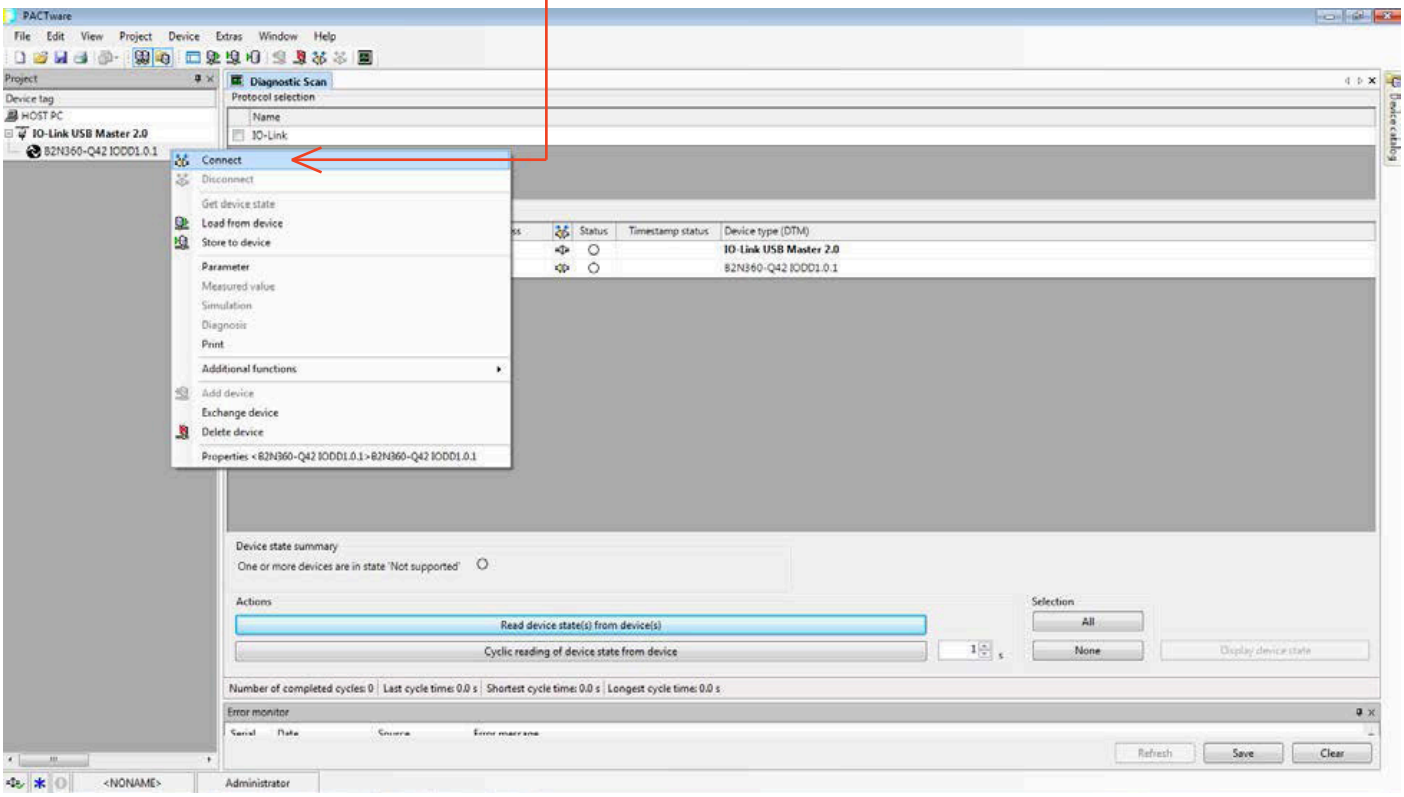


Figure 7

10) Once you are connected you can double click on the device and open up the parameter page.
11) If you click on the icon “Read from Device(Upload)” the parameters will be uploaded from the device as they are currently stored. (See Figure 8)

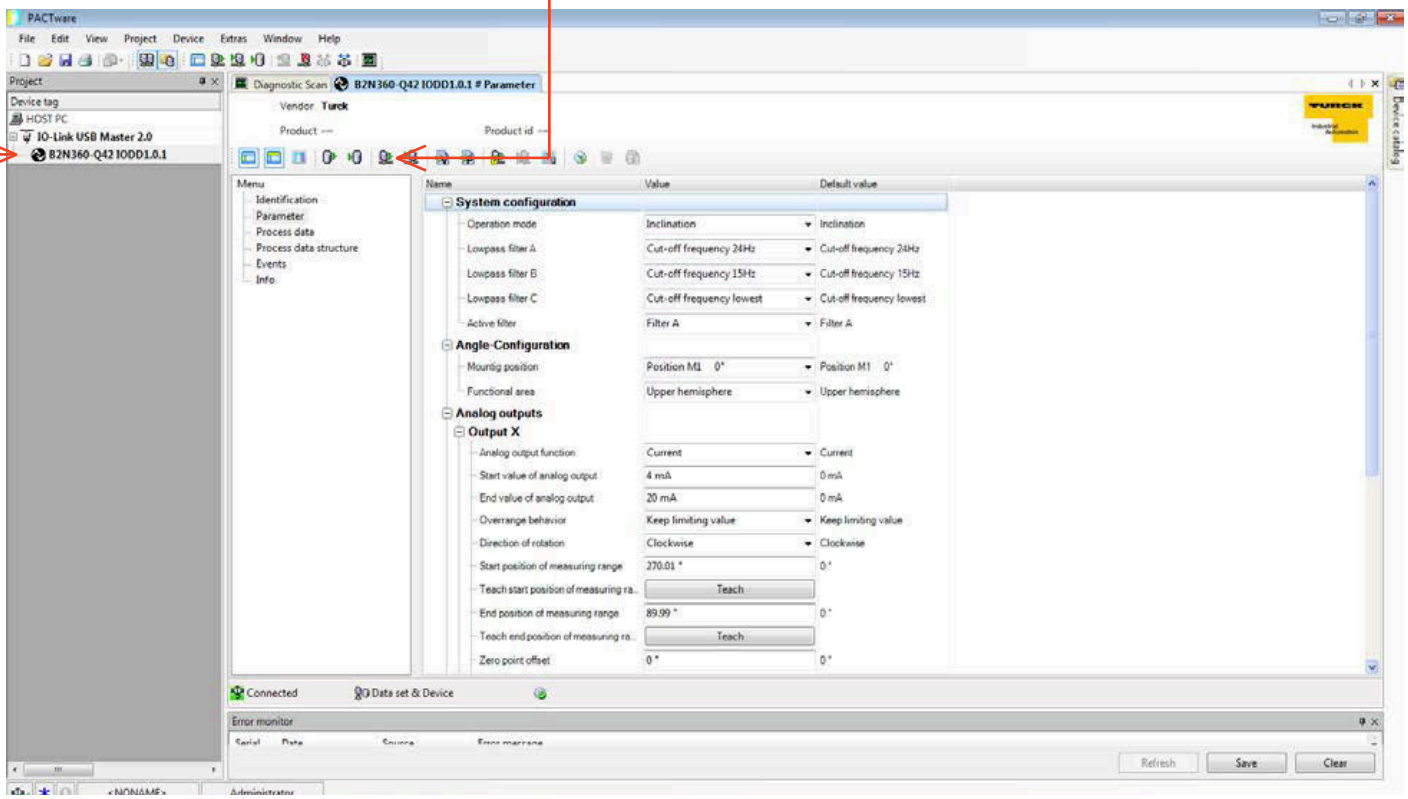


Figure 8

12) Once the parameters have been changed, click on the icon “Write to Device(Download)”. The parameters will be stored to the device. (See Figure 9)

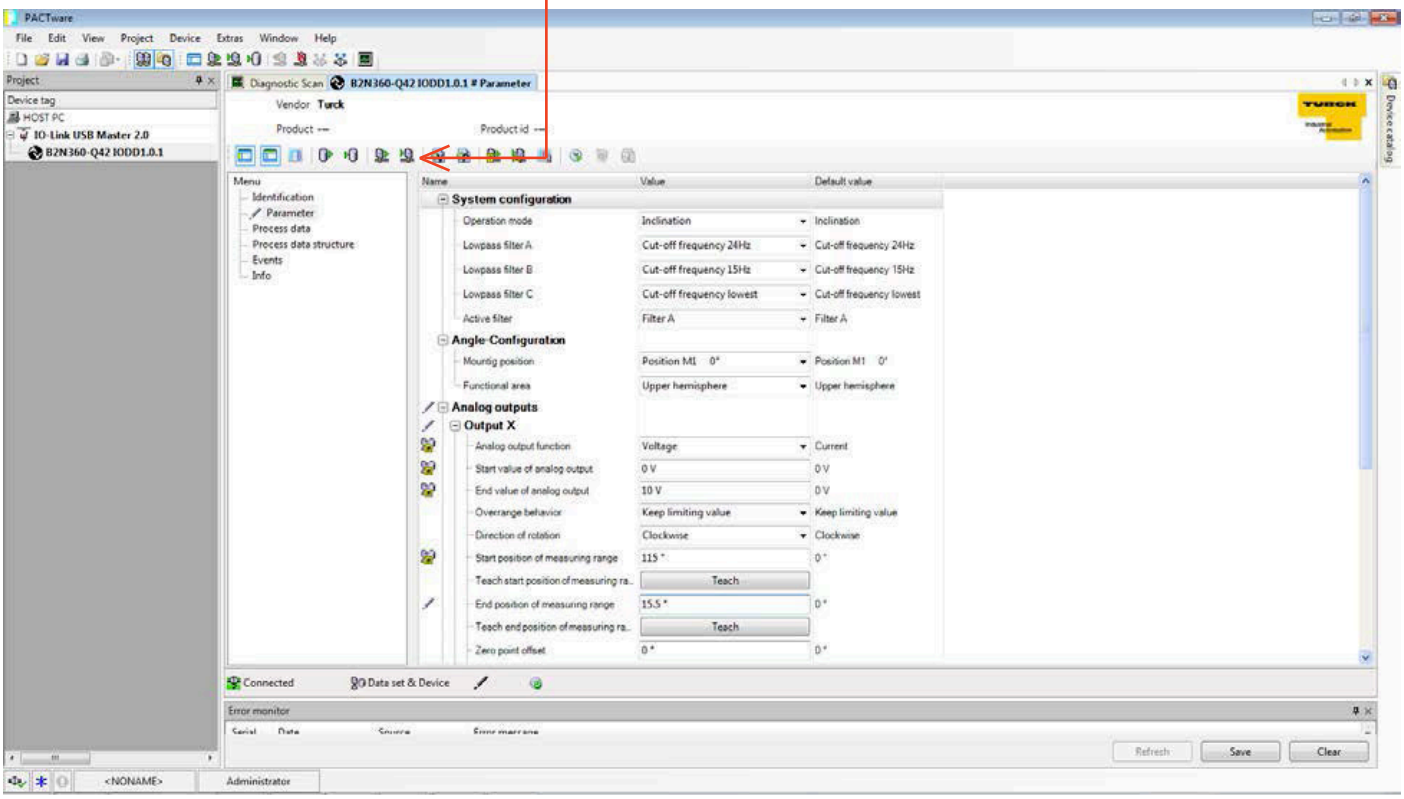


Figure 9

Step 5

1) Once you have changed all of the parameters that are necessary follow the directions below to disconnect the sensor.
2) Close down the parameter screen.
(See Figure 10)

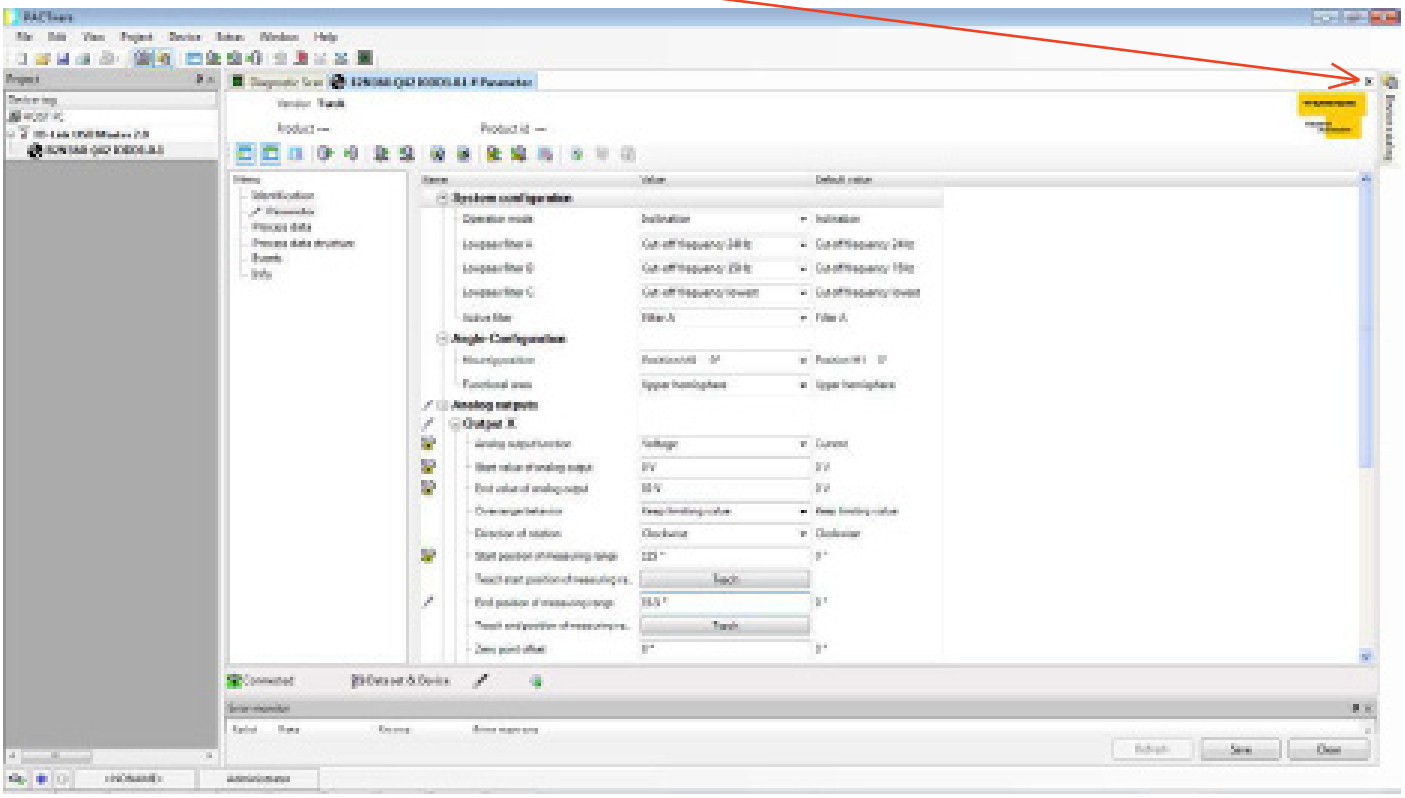


Figure 10

3) Right click on device and click “Disconnect”
(See Figure 11)

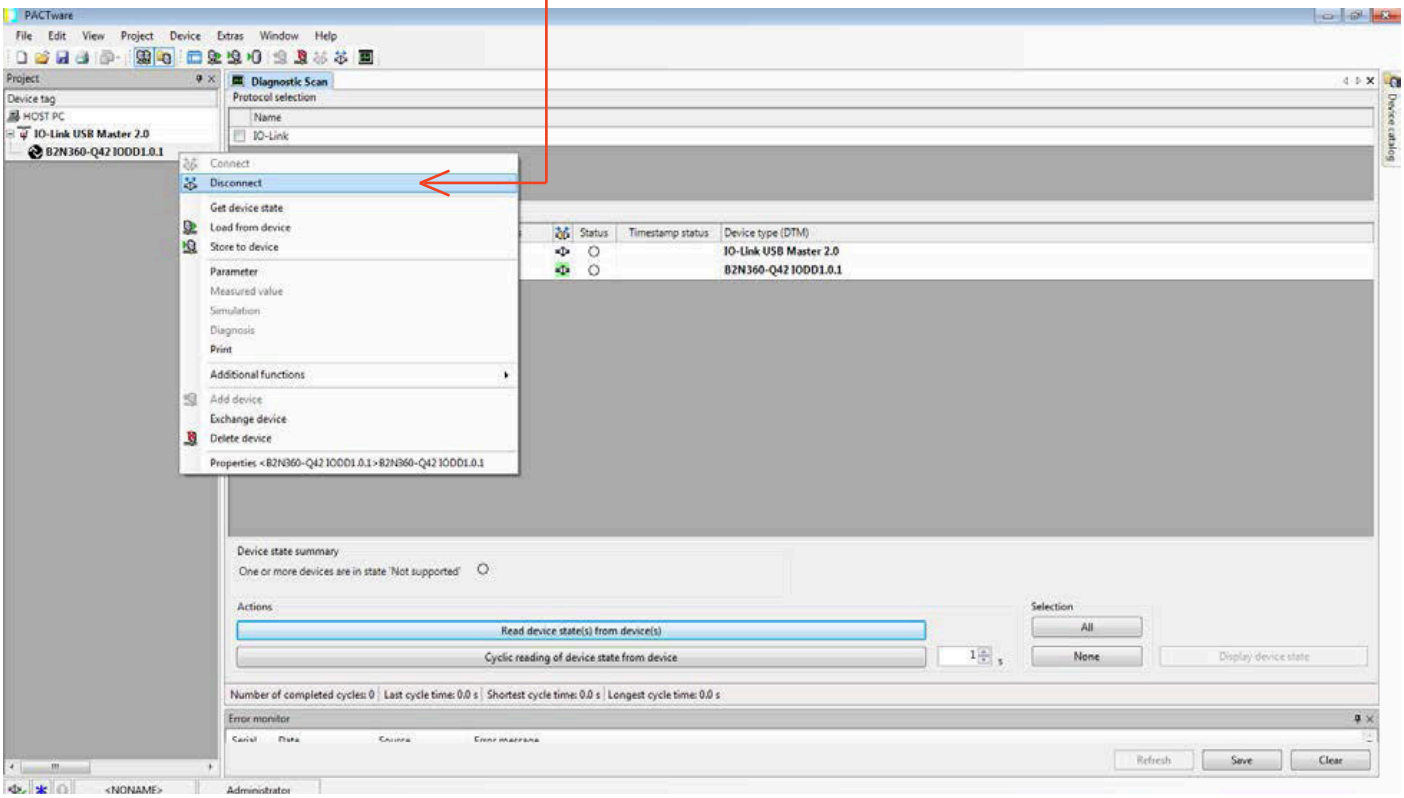


Figure 11

4) Right click on IO-Link USB Master 2.0 and click “Disconnect”
5) Close PACTware
(See Figure 12)

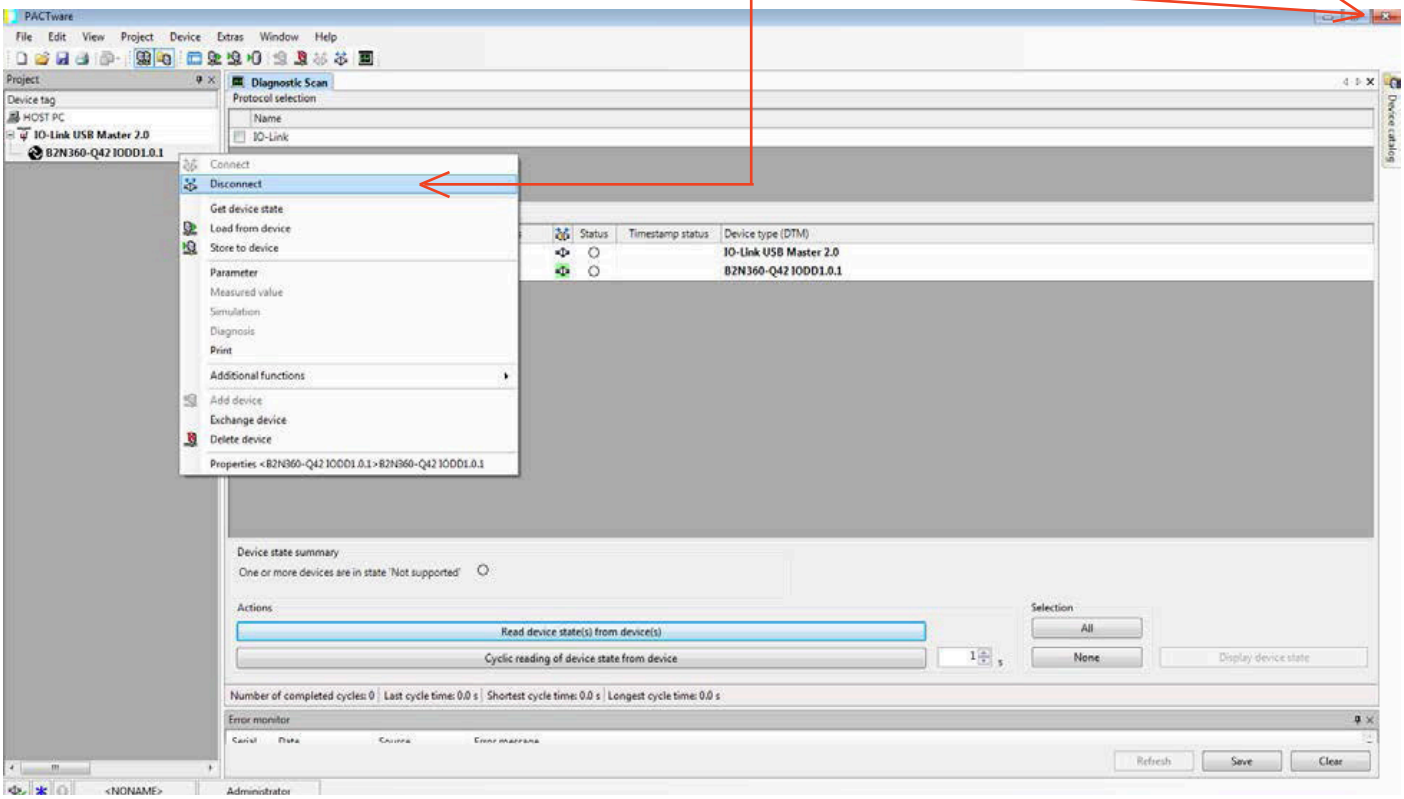


Figure 12

6) Disconnect sensor from master.

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