

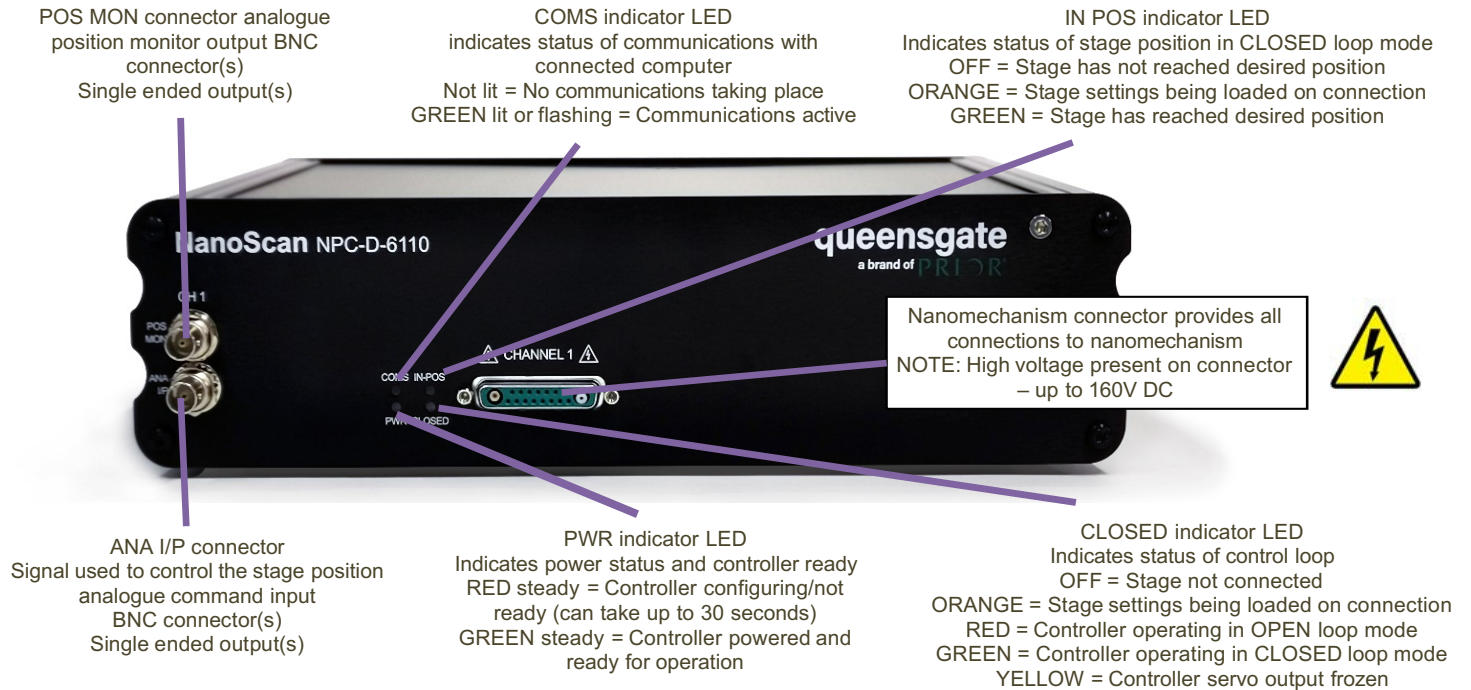
QUICK START GUIDE

USE OF NIS-ELEMENTS WITH THE NANOSCAN SP RANGE OF SAMPLE SCANNERS AND THE NANOSCAN OP OBJECTIVE POSITIONER

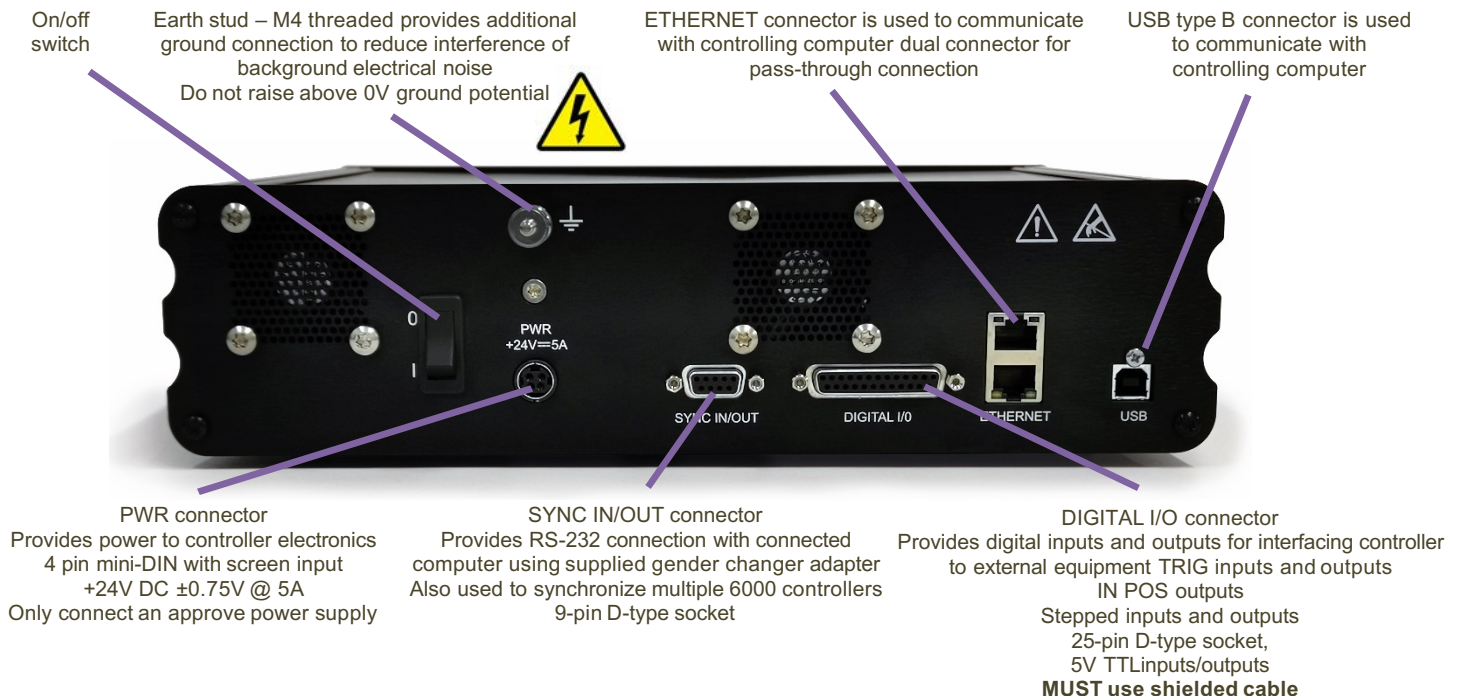
NIS-Elements
Imaging Software

The NanoScan SP series sample scanners and the NanoScan OP400 objective positioner have basic control within NIS-Elements using the NanoScan Z functionality.

CONNECTING YOUR SYSTEM – FRONT OF UNIT



CONNECTING YOUR SYSTEM – REAR OF UNIT



NIS-ELEMENTS

CONNECTING THE CONTROLLER TO THE COMPUTER

Connect the NPC-D-6110 controller to the computer using an RS232C cable from the serial port on the computer to the SYNC IN/OUT port on the NPC-D-6110. A gender changer adapter is required to connect the RS232C cable to the sync port. The adapter required is a 9-pin male to male adapter as shown.

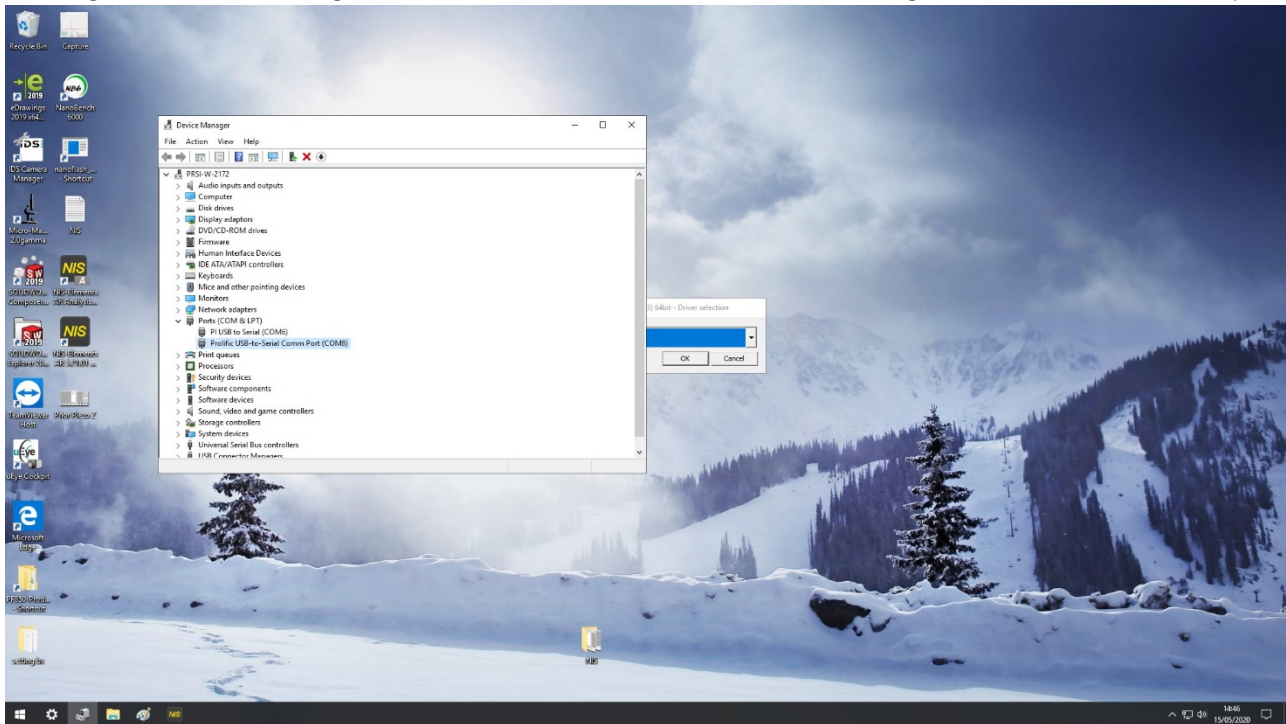


9 pin male to male adaptor

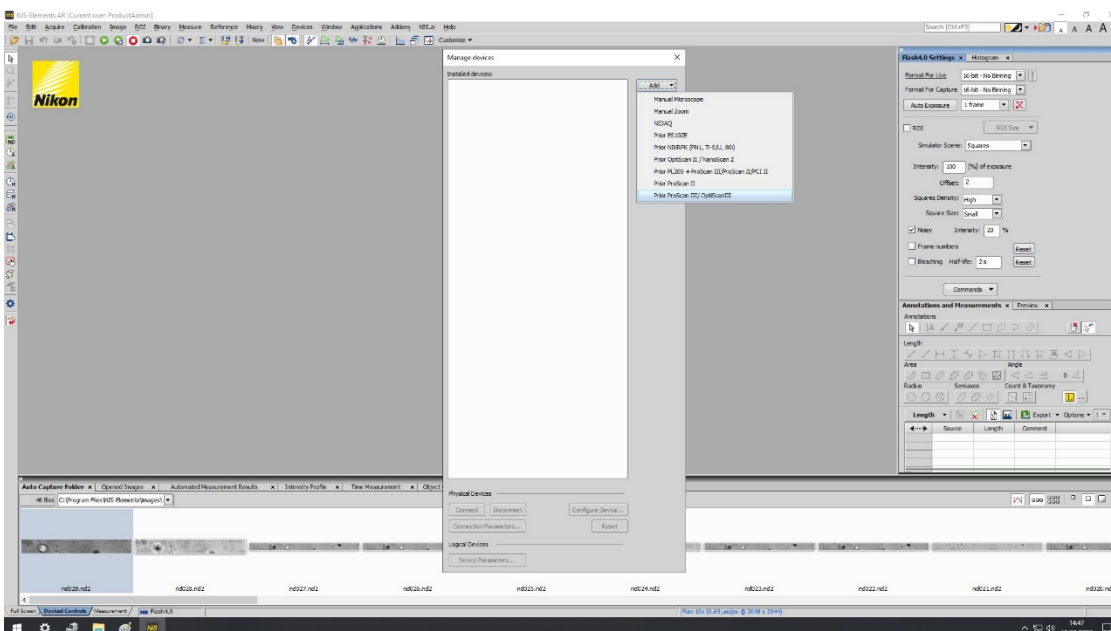
On 'power up', the controller will always move the stage across its range to carry out auto-calibration. **It is important to ensure that there is sufficient clearance between the lens, sample and illumination to allow this to take place.** If the temperature or load changes significantly the stage can 'clip' at one end of the travel. Should this happen restart your system to allow auto-calibration.

DEVICE MANAGER

Once installed navigate to Device Manager and select the USB to Serial Port COM setting. Make a note of the COM port used.

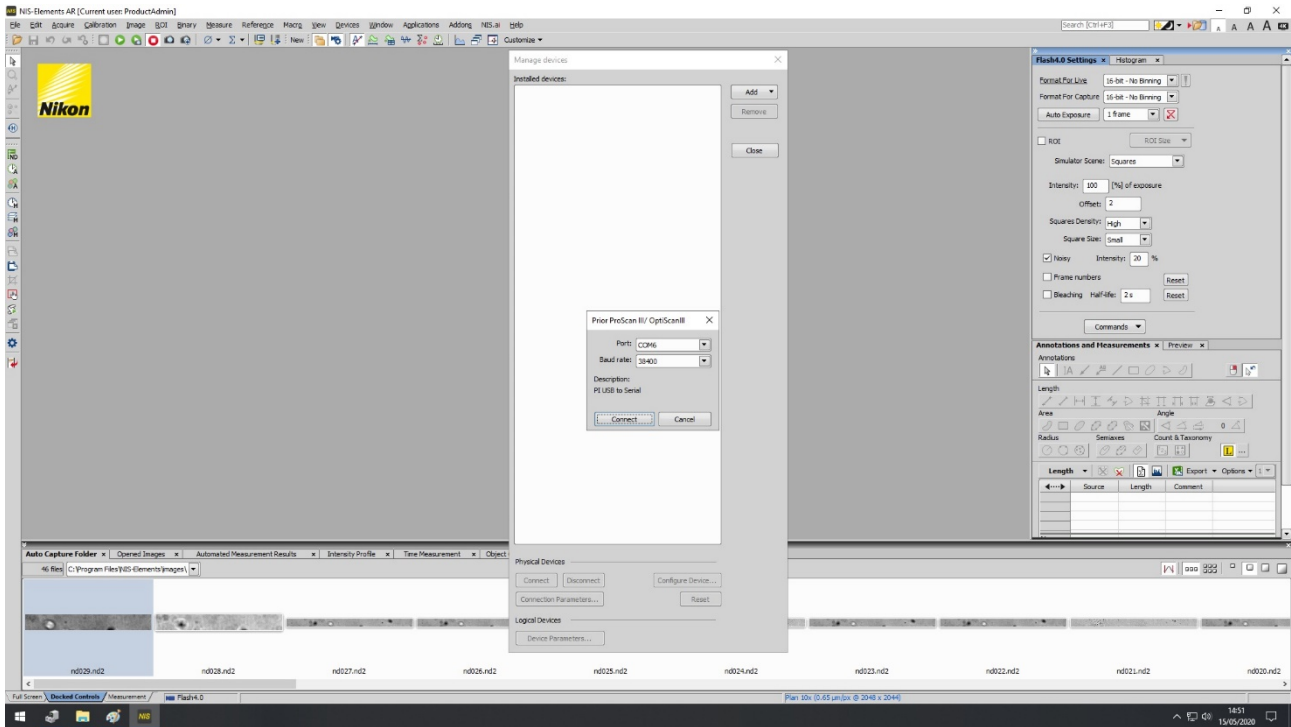


Open NS-Elements and navigate to the manage device section; install devices as shown below and select Prior ProScan III/OptiScan III.

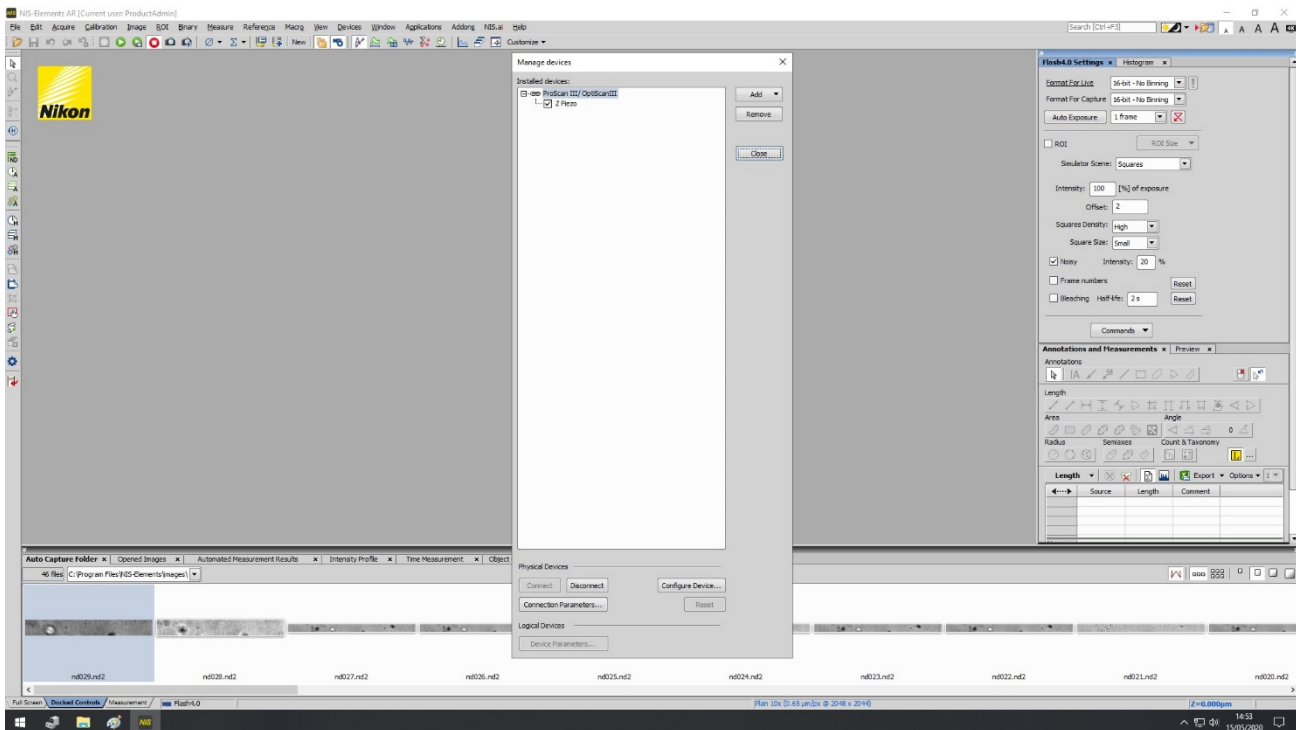


DEVICE MANAGER

Set the port to the setting found under device manager.

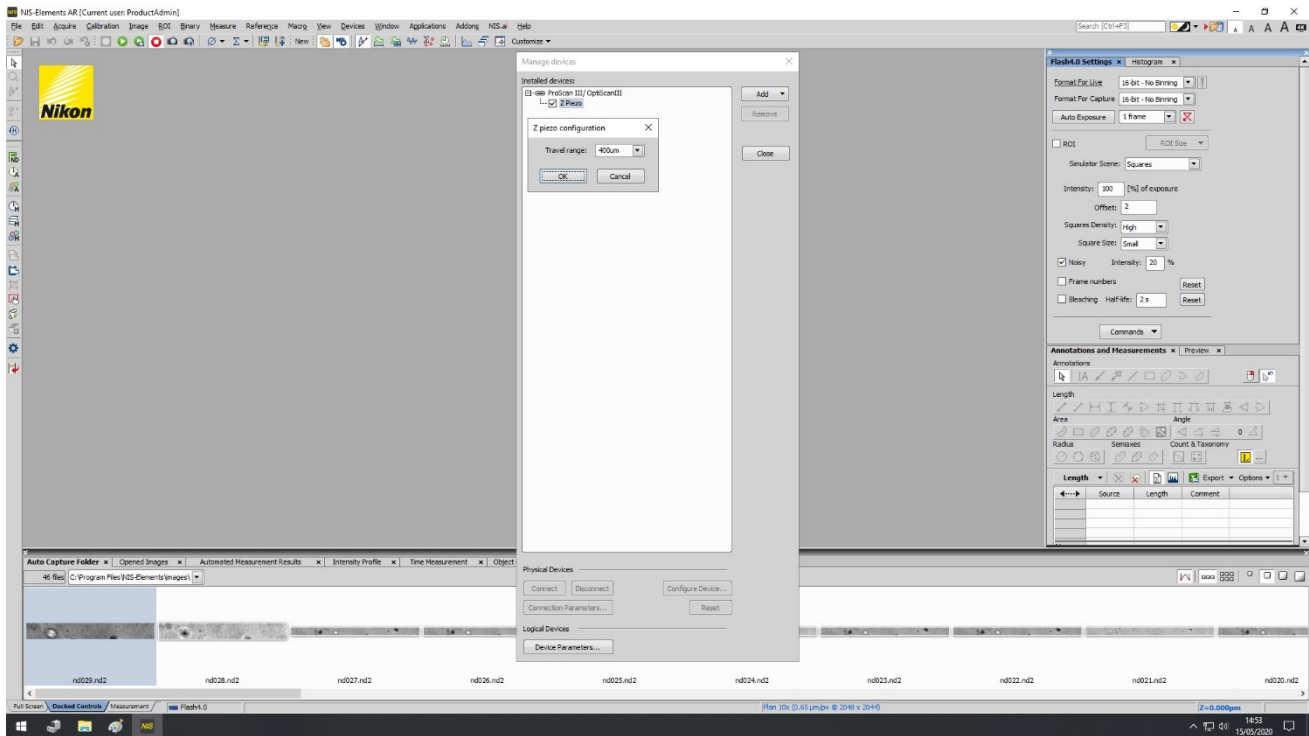


Under manage devices within element select Prior ProScan III/OptiScan III and then select Z Piezo.



DEVICE MANAGER

Within the Z Piezo configuration set the travel range. This is 400um for the NanoScanOP-400 and NanoScanSP-400 and 600um for the NanoScanSP-600.



The conditions for operation are set within the capture Z series page within NS-Elements. Here you can set the step size, direction and number of steps to build a Z stack.

