

ViVIX Install Guide

Connections from ViVIX panel to Sedecal Generator

Pin	Color	3TS1	Function	3TS1 Function
2	Red	4	Exp_Req	BUCKY DR
7	Black	2	Exp_Req_Ret	BUCKY SPLY
3	Green	5	Exp_OK	BUCKY 1 MOTION
8	Brown	6	Exp_OK_Ret	BUCKY 1 MOT RTN

Power Supply Cable

Color	3TS1	Function	
Green	14	Ground	Ground
White (Blue)	3	0VAC	0VAC
Black (Brown)	27 (26)	115VAC (220VAC)	Switched VAC

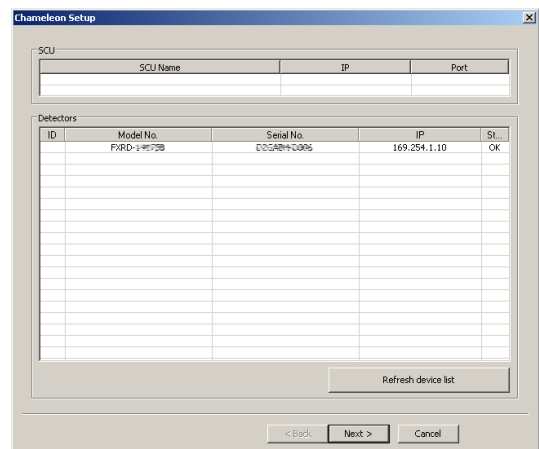
Copy Calibration CD to local computer

The panel ships with a calibration CD in a padded manilla envelope. The contents of this CD need to be copied to the D: drive into a specific folder based on the serial of the panel. It should be copied into D:\QXvueData\{serial number}\

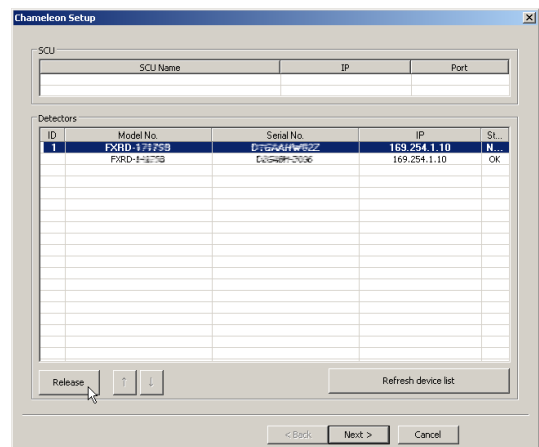
Open Calibration program

Run C:\Program Files\QXvue\ChameleonSetup.exe

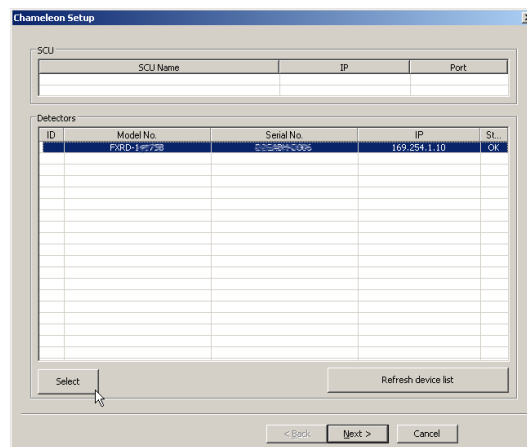
You may see entries in the SCU area, but they can be ignored



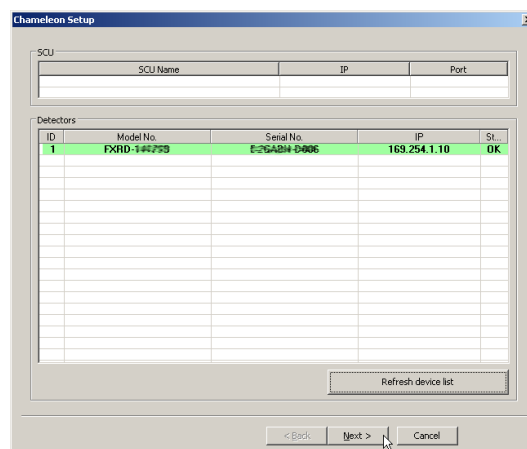
If you see more than one entry in the detector section, but it is grayed out select the gray one and press release



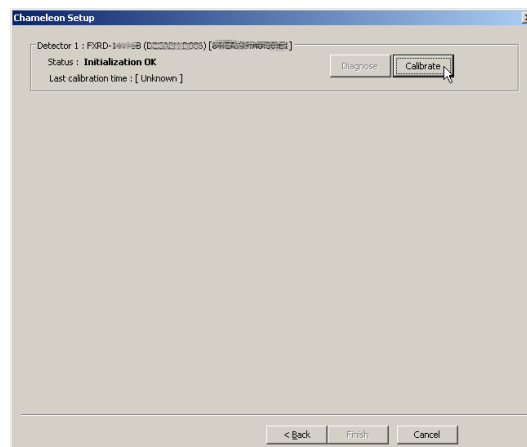
Click on the detector entry and press select



When it is green press next



Then press Calibrate

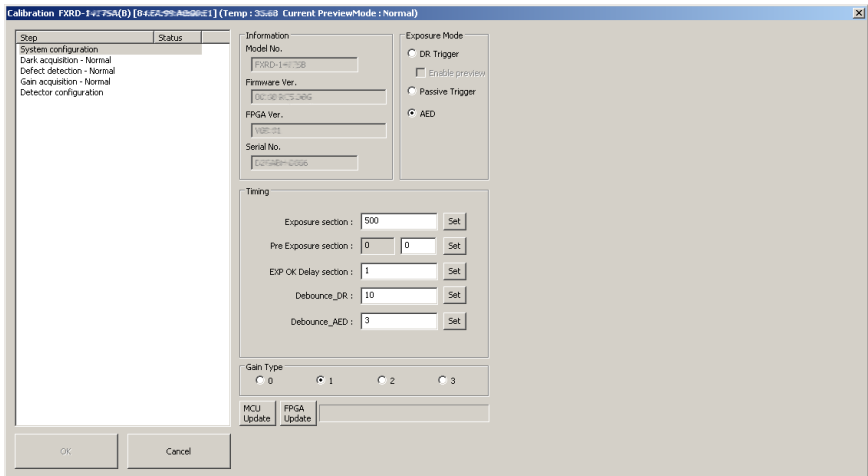


Select System Configuration

In the Exposure Mode Section:
If connecting to a Sedecal
Generator make sure “DR Trigger”
is selected and the “Enable
Preview” is NOT checked

If not connecting to a Sedecal
generator make sure “AED” is
selected.

Make sure that Gain Type is set to 1

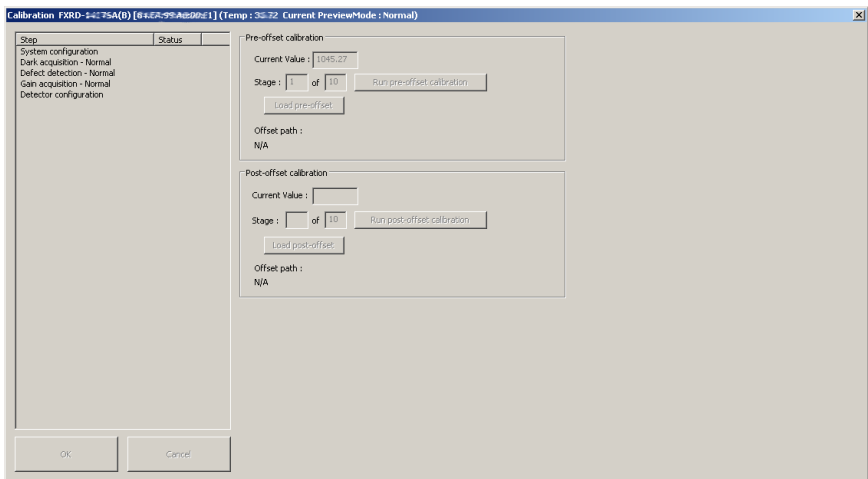


Select Dark acquisition

Press the “Run pre-offset
calibration” button

It will capture 10 dark frames and
then ask to save it.

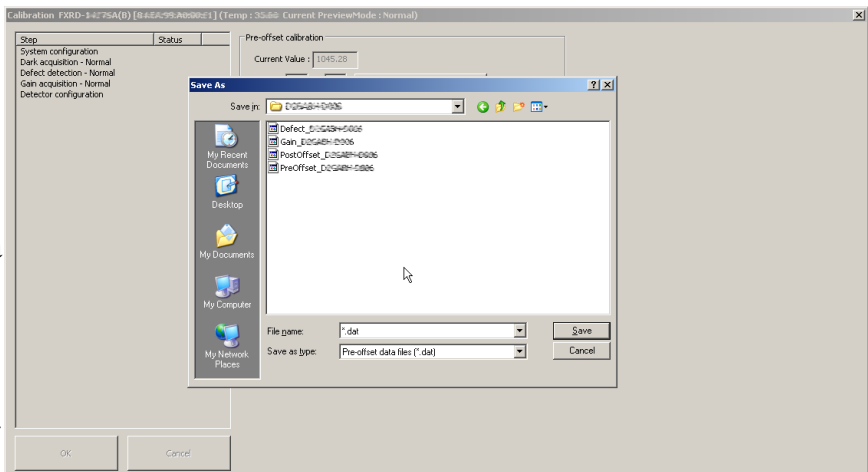
The location to save the file is the
folder created in the beginning,
D:\QXvueData\{serial number}\
To get there press “My Computer”
then double click on “Local Disk
D:”, then double click on
“QxvueData”, then double click on
the folder named the serial number
of the panel.



The file name should have the panel serial number and the date the calibration is done,
“PreOffset_{serial number}_{YYYY-MM-DD}”

After you press save, press OK, and
again press OK.

Press the “Run post-offset
calibration” button. After it
captures 10 frames it will bring up a
save as dialogue. It should default
to the same folder you selected for
the previous file. So you just need
to name this file. The file name
should have the panel serial number
and the date the calibration is done,
“PostOffset_{serial number}_{YYYY-MM-DD}”



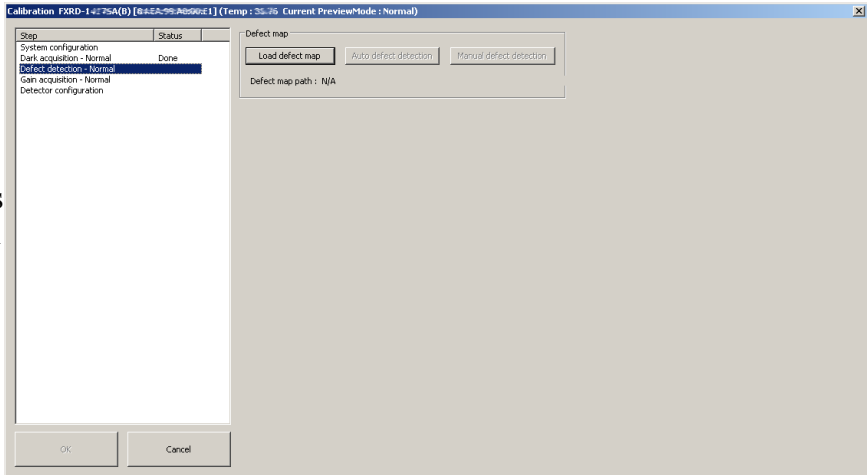
After you press save, press OK, and again press OK.

After you do each of the pre and post-offsets you should see a value in the Offset path. After both are done you should see “Done” in the status column.

Select “Defect detection”

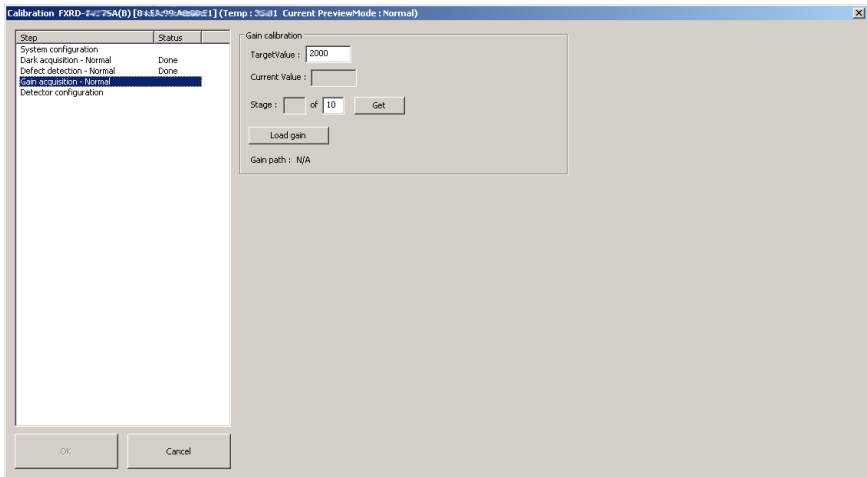
Press Load Defect map and right click on the original defect map and press copy, then right click in the white area just below the list of files and press paste. Then right click on the new file and choose rename.

The name should be “Defect_{serial number}_{YYYY-MM-DD}” just like the other files. Be sure to remove the “Copy of” part at the beginning of the file name. After you rename it, select it and press “Open”, then press the OK button on the confirmation window.



Then select Gain acquisition.

Before you press the “Get” button, you need to get the exposure correct. The TargetValue displayed should be 2000. Set 60 kVp and about 2.5 mAs. Make sure the collimator is fully open and expose a test exposure. The “Current value” will be displayed.



“Current Value” field	Generator Exposure	Issue
Blank	no	Not triggering panel
low	no	Exposure OK not getting to generator
blank	yes	Not triggering panel
low	yes	No x-ray exposure on panel
normal	yes	ALL OK

Not Triggering Panel:

Make sure the generator is set for bucky 1 and the 3TS1-2 and

3TS1-4 wires are properly connected.

Exposure OK not getting to generator:

Make sure the 3TS1-5 and 3TS1-6 wires are properly connected.

No x-ray exposure on panel:

Make sure the collimator is open and x-ray is pointed at panel.

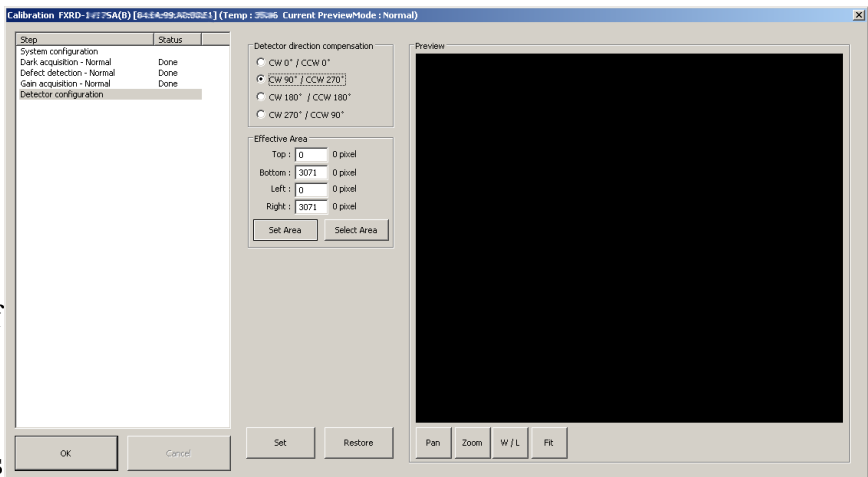
Verify x-ray generator output.

Press “Get” button then expose x-ray 10 times. After the 10 exposures it will bring up a save as dialogue. It should default to the same folder you selected for the previous file. So you just need to name this file. The file name should have the panel serial number and the date the calibration is done, “GainOffset_{serial number}_{YYYY-MM-DD}”

After you press save, press OK, and again press OK.

Select “Detector configuration”.

In normal Sedecal tables for the 17x17 panel the wiring will be exiting out the panel towards the back of table so the direction compensation should be set to CW 90°. If the wires exit the left hand side of the panel, set it to CW 0°. If the wires exit the right hand side of the panel, set it to CW180°.



Make sure the Effective Area values are correct. If they are correct the number after the entry box should say “0 pixel”

The values should be:

Top:	0
Bottom:	3071
Left:	0
Right:	3071 (17x17) or 2559 (14x17)

If you change these numbers press the “Set Area” button.

If you change the direction compensation or effective area, press “Set” button.

Press OK then press Finish.

Load software and verify measurement and real size zoom calibration.

DONE with calibration!!!!!!

Run sysinfo from VetRay website