Possible Cause Solution / Auto Align

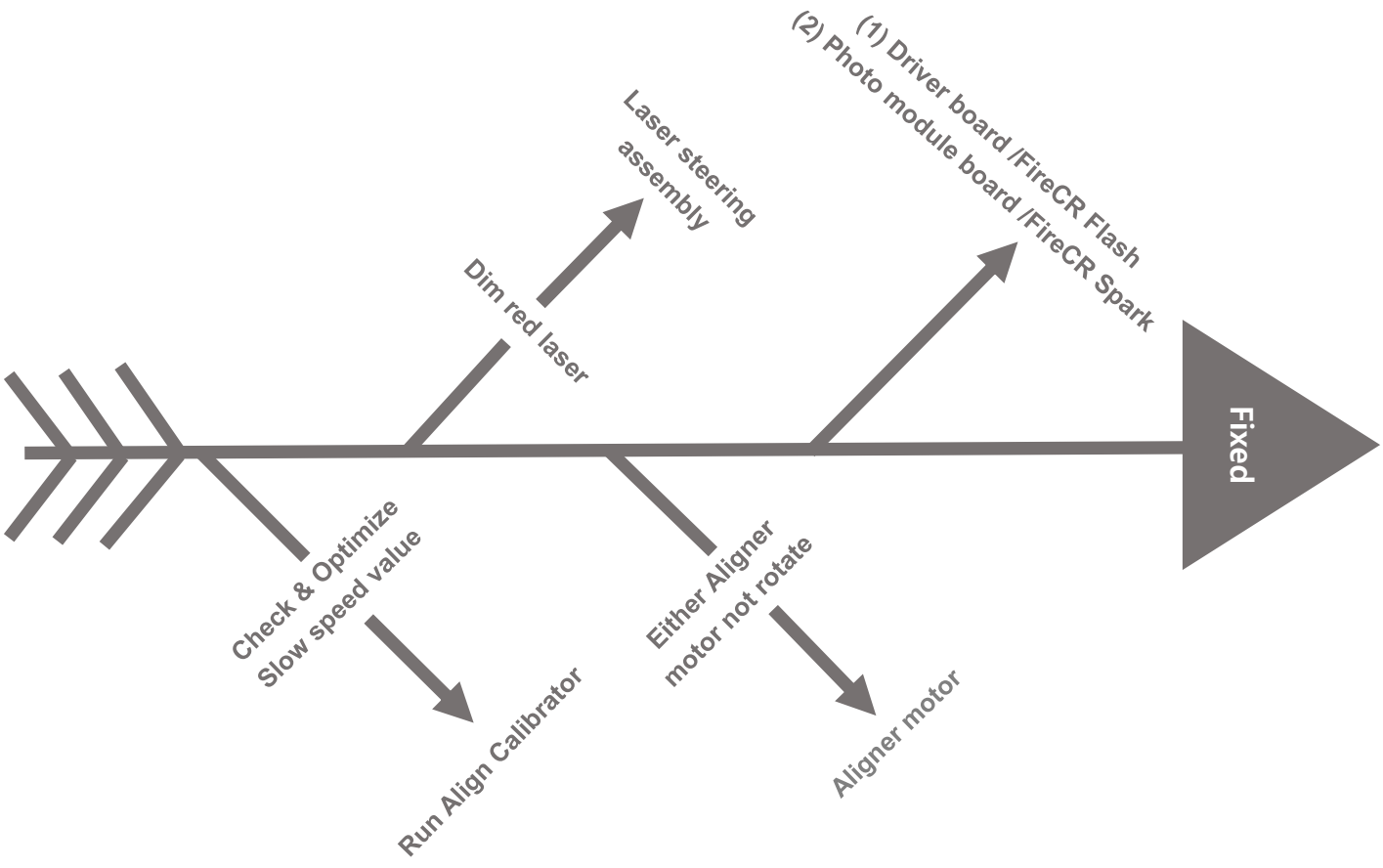
Model

FireCR Flash AA
FireCR Flash AB
FireCR Flash AC
FireCR Flash AD / FireCR Spark

The Description of the Problem

Auto alignment failure

Fishbone Diagram



Check & Optimize the slow speed value

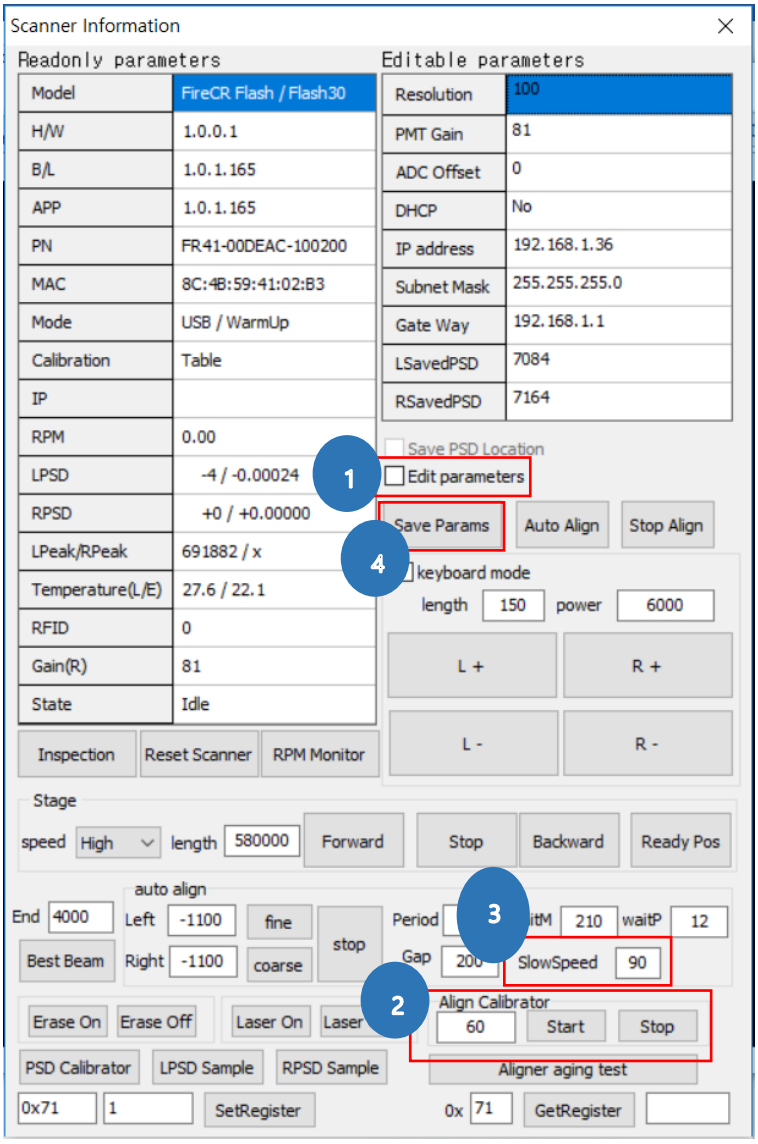
How to run Align Calibrator

1) Tick Edit parameters.

2) Run Align Calibrator, then enter aligner calibrator value in the SlowSpeed blank.

3) Click Save Params, then reboot both scanner and Quantor+.

4) Confirm if slow speed value is saved..



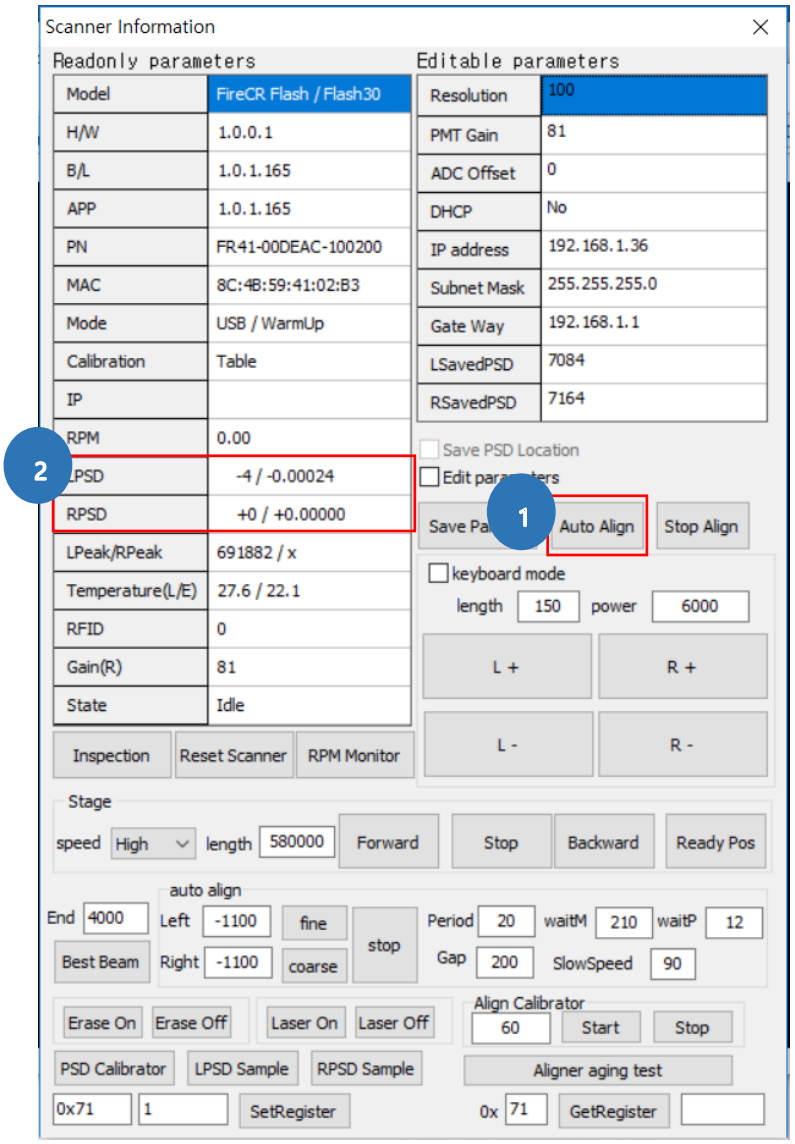
Dim laser or Dead laser

1) Run Auto Align.

2) Check the LPSD and RPSD values while auto aligning.

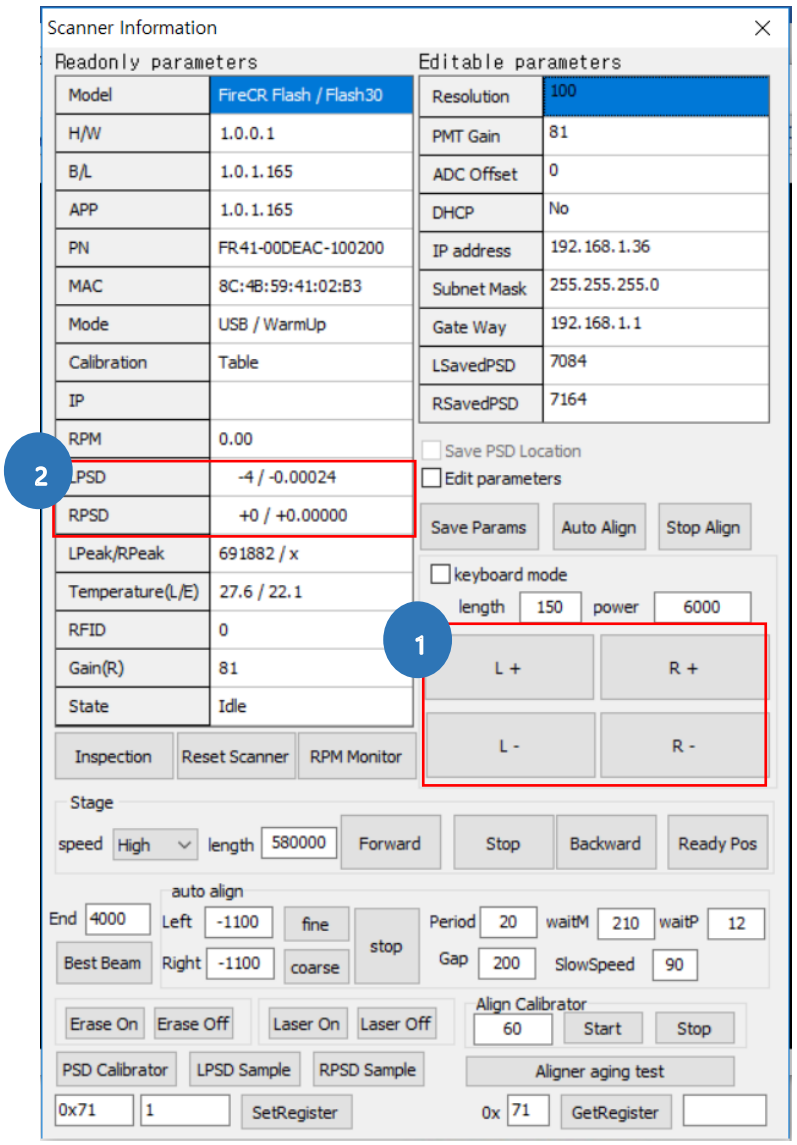
3) If they are permanent zero, either dim laser or dead laser could cause auto align failure.

4) Take off the covers, then visually have a look at the red laser brightness.



Auto alignment motor

1) Check LPSD and RPSD values are changed while clicking L+ and L- several times.
2) If LPSD and RPSD values are not changed, an aligner motor L could be an issue.
3) Check LPSD and RPSD values are changed while clicking R+ and R- several times.
4) If LPSD and RPSD values are not changed, an aligner motor R could be an issue.
5) Take off the covers, then visually check if either aligner motor is rotated.



Main board

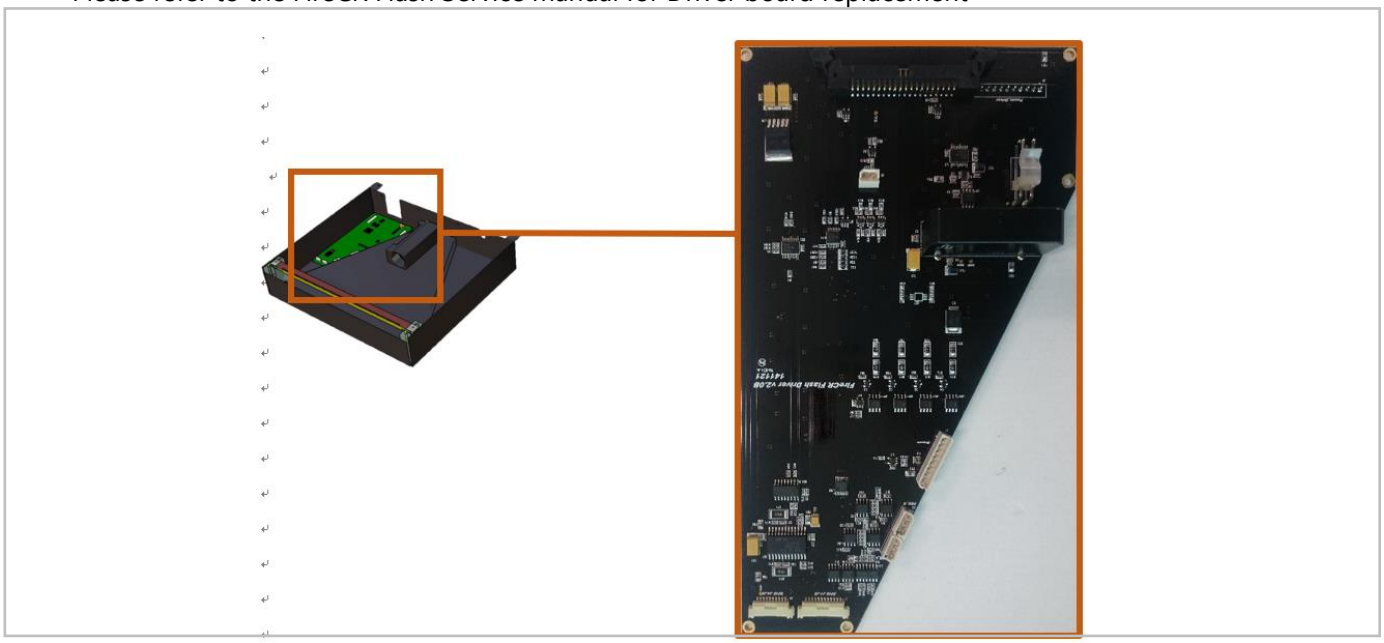
1) If the problem still remains even after replacing the align motors, you need to replace the main board

2) Need to check the voltage of the part where Main board and Align motor cable are connected after starting the auto align: if voltage is higher than 10v, then it's ok. If not, there is a problem with the Main board.

- **Remove the Align motor cable and press the 'Auto Align' in Scanner control.**
- **Check the voltage at the part located in the red rectangle of the picture.**
- **Normal voltage: ≥10V, Faulty voltage :≤10V**

Driver board or Photo Module board

Please refer to the FireCR Flash Service manual for Driver board replacement



Please refer to the FireCR Spark Service manual for Photo module board replacement.