# Avolites LTD Engineering Change Notice.

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| ECN title | Arena and TT2 wing Firmware update | |
| ECN Number | ECN-209 | |
| Related Product(s) | All Arena consoles before SN 445<br><br>All TT2 fader wings before SN 124 | |
| Date / Author | 13/07/2017 | JB Toby |
| Reasons for ECN | Occasional LCD reset during runtime | |
| Parts required | None | |
| Tools required | None | |
| Estimated time | 15 Minutes | |

Background:

The fader wing PCB firmware can reset on some boards during runtime, this shows itself in the LCDs fading out and then back again. This can also be seen in USB expert as panel resets

1. Download the Firmware file from
   https://www.avolites.com/software/downloads/arena  ECN 209 and safe the file onto a USB stick

2. Power up the console insert the USB stick and transfer the file to

3. Open USB Expert

4. Select the first panel named Tiger Touch Wing 5

5. Select the Service Tab

6. Press on Enter Boot and wait for the panel to enter the boot state.

7. Select the panel again in the panel list (it is now in boot mode)

8. Click on the Program button

9. Browse to the panel software directory which can be found in
   C:\program files\Avolites\USBExpert\Panel Software

10. Select TT_FW.Bin dated 22 May 2017 file and allow it program (this may take 3 minutes)

11. If after 5 minutes the panel has not exited boot, press Exit boot manually

12. Repeat steps 4 to 11 for the second panel Tiger Touch Wing 5

13. Check that the panels work (press buttons /move faders)

14. Close USB expert and power cycle the console for a final test

This concludes the ECN