


Avolites LTD Engineering Change Notice

ECN title	Mobile Fader wing Ref Resistor		
ECN Number	ECN-198		
Related Product(s)	All Mobile fader wings up to SN		
Date / Author	24/04/2015	JB Toby	
Reasons for ECN	Warm environment may trigger stuck faders on the Fader wing		
Parts required	120R (0603) Avo PN 8000-1010 (kit of 3 resistors)		
Tools required	T20 screwdriver, small soldering iron, tweezers		
Estimated time	30 Minutes		

Background:

An increased temperature of the analog circuit inside the fader wing can cause the faders to never read zero, as a result playback faders are not released.

Warning. The ECN replace a 0603 size SMD resistor, this resistor is very small and specialist skills and tools are needed

The kit contains 3 resistors, however only one is fitted.

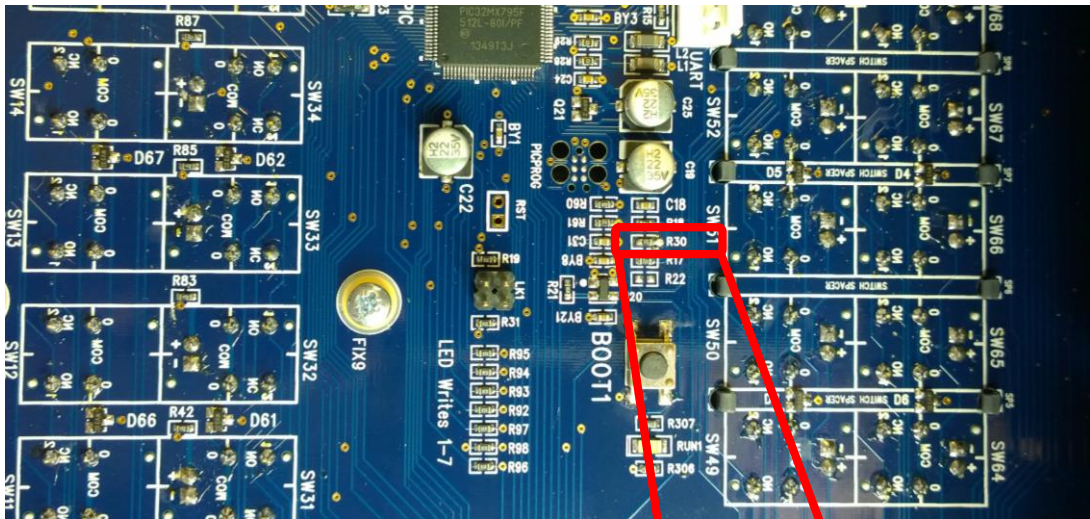
ECN procedure:

Disconnect the Mobile fader wing from the PC, Fit the white travel cover and place it upside down on a soft surface.

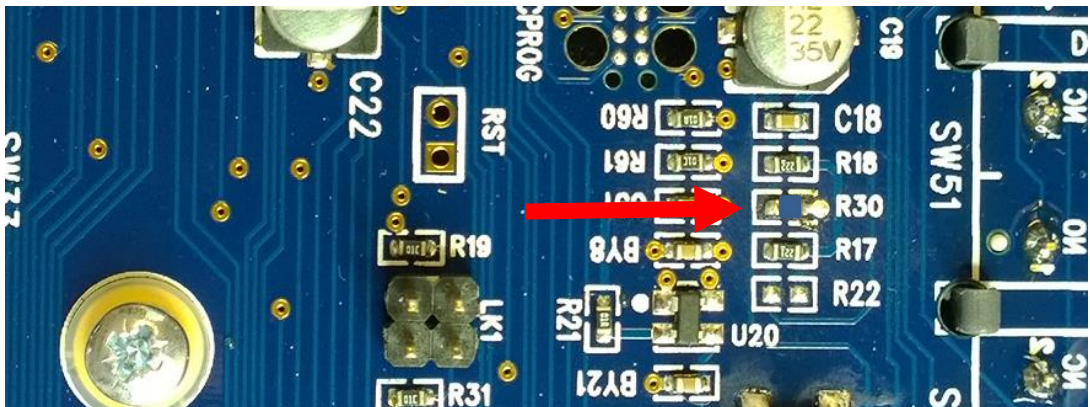
Remove the back lid (6x torks screws)



Locate R30 and remove it with a soldering iron, this is best done by swiping it towards the R30 legend (arrow)



Place a small amount of solder on the pad away from the R30 legend (arrow)



Using tweezers place the new resistor (120R 0603) against the solder pad and reheat. Then solder the pad on the R30 side.

Connect the wing to a PC with USB expert running and check that the faders work and read zero when pulled down.

Close the console by refitting the lid

This concludes the ECN.