

Avolites LTD Engineering Change Notice

ECN title	Quartz Audio Input Timing Capacitor		
ECN Number	ECN-200		
Related Product(s)	All Quartz SN QTZ-0010 to QTZ-367		
Date / Author	04/06/2015	JB Toby	
Reasons for ECN	Audio input may not function (no audio seen in Trigger workspace)		
Parts required	None		
Tools required	Pozi drive no 1, small tipped soldering iron		
Estimated time	10 Minutes		

Background:

We have become aware of a problem in our supply chain that caused a wrong value component to be fitted to the Quartz Audio Input, this causes the Audio input to not work.

Consoles with Serial number QTZ-0010 to QTZ-0367 are likely affected. The reason why we cannot say for sure is that the supply of the wrong parts was not continuous.

The problem did not show in our console testing due to some changes in the firmware that we used at that time.

We have tightened the procedures up in our supply chain and sub-contractors as well as added an extra check that will not allow this happening again.

Consoles with SN QTZ-0368 onwards are not affected by this problem.

Below is an explanation on how to modify your Quartz console so that the Audio input works properly.

Procedure:

Disconnect the console from the mains and any other network

Open the console by unscrewing the front screws (Pozi No 2)



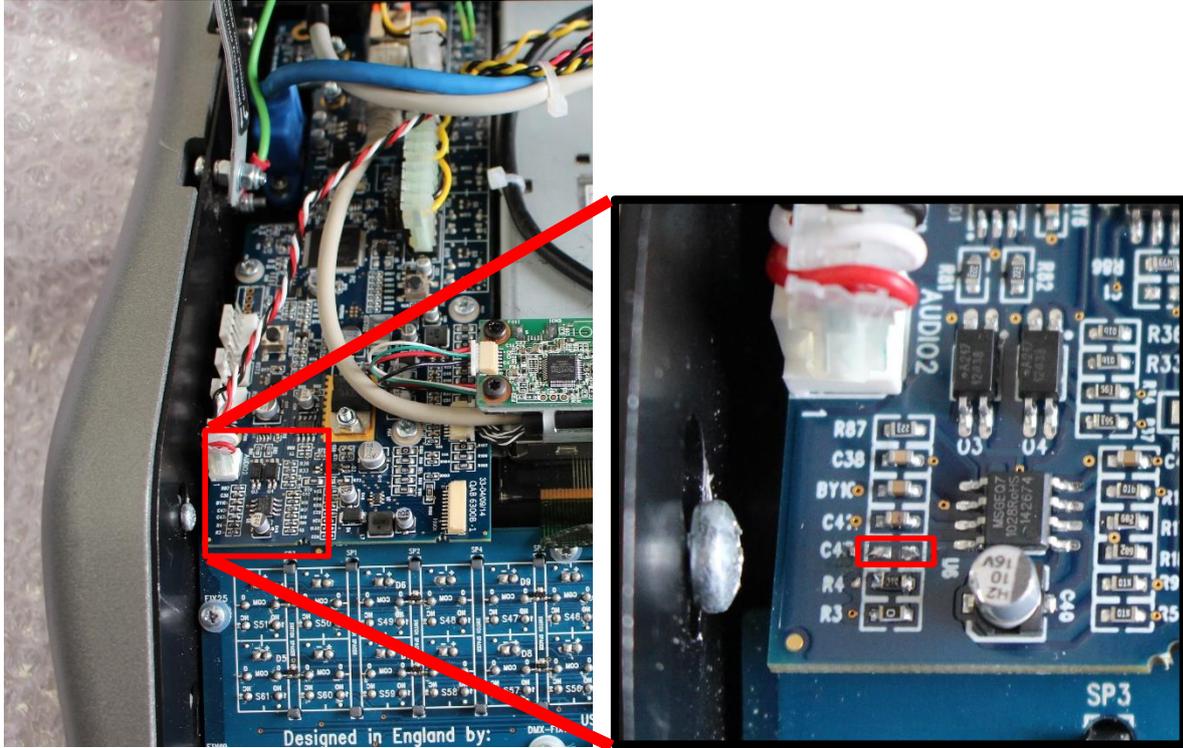
Open up the front panel and secure using the stand (right hand side), the stand engaged in to the side of the front panel.

Place the console on a soft surface "upside down" so that the front panel PCBs are horizontal



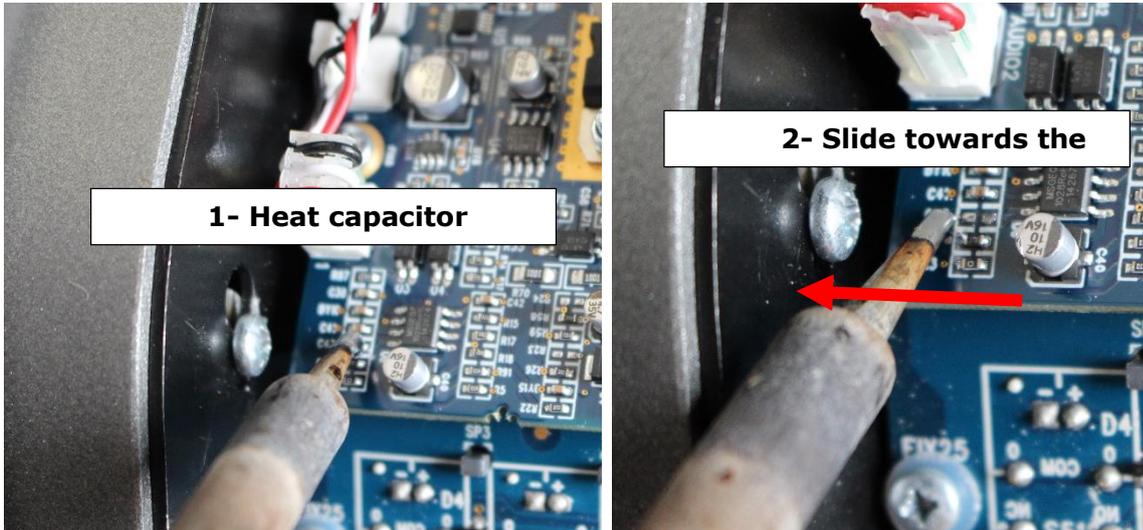
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Locate C43 on the QAB board (see picture)



Using a soldering iron remove this capacitor,

This is best done by putting a small amount of solder onto the soldering tip and then holding this against the centre of the capacitor as shown, After a few seconds the capacitor should come off the board by wiping the soldering iron towards the edge of the board



Make sure that the capacitor is removed from the board,

Disconnect the stand and put it all the way to the base of the shell.

Close the console and refit the screws

The console should now be able to receive audio properly

This concludes the ECN....