

# KLARK TEKNIK GROUP

## TECHNICAL BULLETIN

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**KLARK TEKNIK** **DDA** **MIDAS**

SIGNAL PROCESSING BY DEFINITION BETTER BY DESIGN DESIGNED FOR A PURE PERFORMANCE

<b>Brand</b> Midas	<b>Reference Number</b> 113	<b>Date</b> 11/10/2002	<input type="checkbox"/> Urgent
<b>Product</b> Legend 3000	<b>Serial Number</b> 3140	<b>Assembly</b> LC321B-2	<input checked="" type="checkbox"/> Recommended
			<input type="checkbox"/> Information Only

**Subject**  
Some customers have noticed an intermittent digital sound in the noise floor of the master outputs of the Legend 3000 console. After investigation this had been found to be due to induced noise from the automation display. This varies in intensity from console to console and is dependent upon component tolerances and the screen display.

### Information

This noise is eliminated by changing the value of the refresh rate of the screen. This is achieved by changing the value of R175 located on the underside of the display board, see fig 1.

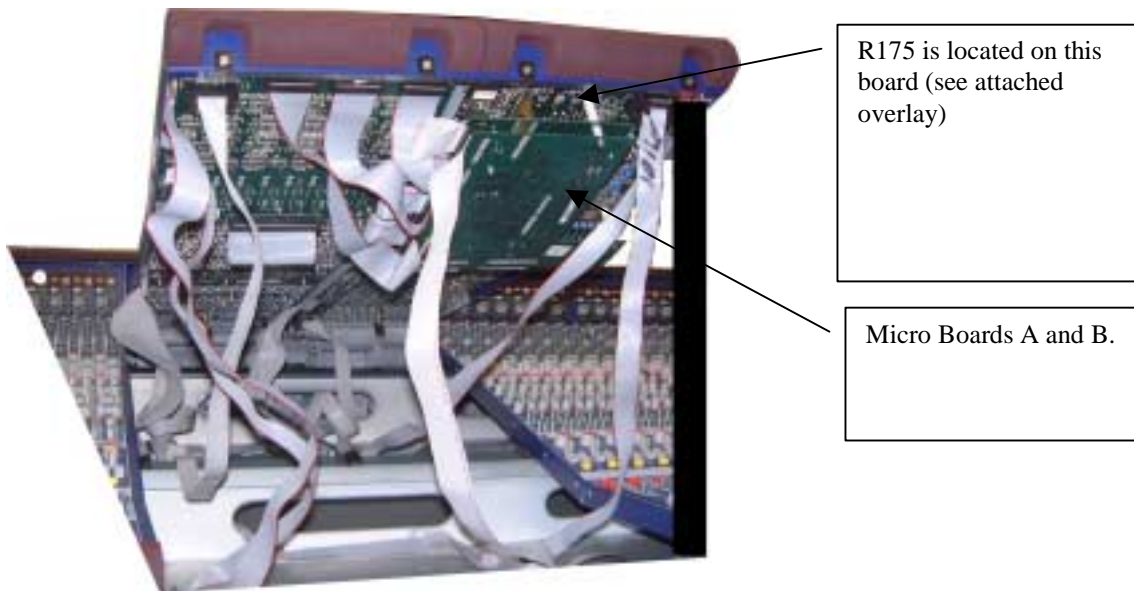


Fig 1. Underside of automation board

The board may be accessed by lifting the master section as shown and removing from the console. Remove the lower two microprocessor boards. Unplug the relevant ribbon cables and then unscrew the micro boards and remove. Ensure that the position of all ribbon cables is noted before unplugging them.

Located R175 on the underside of the display board and change R175 from a 100k 1% (0603 surface mount package) resistor to a 27k 1% (0603 surface mount package).

The underside layout of this board with component identification is shown on the next sheet.

If you do not have access to surface mount tools then feel free to contact Midas and a modified board can be arranged for exchange, this is subject to the original board being returned.

### Other Information

**Distributed**  
All Distributors

**Date Distributed**  
11/10/2002

