

Technical Bulletin

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- Urgent
 Recommended
 Information Only



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Brand	Product	Serial Number
Midas/Klark Teknik	Legend 3000	0000 - 3480
Assembly LC3001A input XLR board		
Subject Replacement of 20-way Ribbon Connector to improve performance with very small mic. inputs		

Towards the end of 2003, a number of Legend consoles were reported exhibiting similar intermittent problems. A description of the faults observed is as follows:

'At small input signal levels the signal drops out, and the user then has to either boost the microphone gain or toggle the phantom power switch to kick-start the signal.'

After investigation, the source of the signal loss has been narrowed down to the ribbon cable connectors used on the LC3001A input XLR board. Some of the ribbon cable exhibited signs of oxide build up with the internal contacts. This is occasional occurrence of oxide build up is inherent in the ribbon manufacturer's design (single displacement contact per core with small contact area to inserted pin) but is normally entirely negligible. However, when microphone signal levels are extremely small it may block them.

Our solution is to use an alternate ribbon connector, which provides a greater contact area to the pin and better grip by using of two displacement contacts per core. This took effect from console serial number 3481.

Customer Support for Existing Legends

For many consoles, there will be no problem with the original ribbon cable as it is only likely to appear if the console is being used with very small microphone signals, particularly in an environment that encourages heavy oxidation or is subject to significant vibration

Therefore, **MIDAS** propose to initially introduce the new ribbon cable in three phases:

Phase 1: We will modify Legend Consoles with reported problems of intermittent signal drop out. A full set of connector back panels will be sent out, these may then be swapped and the old one returned to **MIDAS** for rework. completed within 6 to 8 months.

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Distributed To:
All Distributors

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Phase 2: We will provide replacement sets to any distributor who has a Legend console schedules to be returned to their warehouse for any service work.

Phase 3: We will schedule remaining consoles to have their ribbons changed.

At any phase, consoles that develop a problem due to this reason will be treated as a priority.

We estimate that the full changeover will be completed within approximately a year and a half, due to the high number of Legend Consoles in the market place and the need to schedule replacements in complement with distributors commitments.