

Service Memo for Tactile M 4000:

Problem: NO input-metering on the meterbridge:

One or more channels have no input-metering.

Cure: This can have two reasons:

1. The VU-Meter connector (a 50-pole CENTRONICS) is not properly inserted to the M 420, M 430 or M 440. Please check. This connector is located on the rear panel of the units, it is clearly marked VU-meters. Please check for correct connection and tight fit.
2. Inside the M 420 there are individual connectors from the input-boards to the meter-drive board. One of these flat-cable connectors has come loose.

Please open the M 420 carefully from the front.

Look for the smallest connectors on the input-boards and check if they are sitting firmly in their sockets. If they are O.K. on the input-PCB's, you must look very carefully at the meter-drive PCB in the lower part of the M 420. All 12 flat connecting cables from the inputs are leading to this central PCB, which is very difficult to overlook, as it is hidden in the rear part of the lower M 420 unit.

Take a strong light (torch) and illuminate the room under the last input PCB.

Here you can see the meter-drive PCB, which is identified by the 12 flat cables coming from the input PCB's. Look at the cable-sockets and make a visual check that all the 12 flat cables are sitting firmly in their sockets, i.e. there must be a complete vertical "mirror" on all sockets.

If you see a larger portion of contact- this is a clear sign that this flat cable is not sitting properly in it's socket. Now you will need small hands to fit this cable into it's correct position.

If you find it too difficult to manage from the front, you will have to open the rear drawer where the meter-drive PCB is mounted to.

Before you pull out the drawer, you must disconnect the small meter-connecting cables from the input channels. To make sure to reconnect them in the right sequence later, please mark them from the top to the bottom with the numbers 1 to 12.

Now pull out the drawer very carefully for a max. of 5 to 8 centimeters only!!

Always take a look inside the "growing gap" if there is another cable getting stressed and as a consequence gets pulled out of it's own socket!!

Now you can see the receiving sockets for the meter-drivers. Insert the loose cable firmly.

Then push in the drawer carefully and reconnect the meter-drive cables to the inputs- following the sequence 1 to 12 from the top to the bottom.

Now check the system. If all meters are working fine be sure to check the other functions and then re-assemble the system and tighten all screws.

Check the system for correct performance.