

Procedure for the Reconfiguration of Monika NMU for USB Connection

Version 1
5th May 2016

Overview

The purpose of this procedure is to reconfigure the Monika NMU to use a USB connection in place of the serial RS232 connection. This involves opening the NMU case and moving a pair of jumper connection from one position to another, closing the case and swapping the PC connection leads.

It is assumed that the PC has already been configured for the USB connection and has the appropriate drivers installed.

The procedure should only be performed by IT technicians with relevant experience of working on IT hardware and navigating Monika 1.5 software.

Note: The Monika NMU is a 240VAC mains powered device, so appropriate care to isolate the power before attempting this procedure should be taken.

Parts and Tools

The following tools and parts will be required

- Pozidrive screwdriver
- Small torch (useful to help identify jumper positions on PCB)
- Long nose pliers
- A-B USB lead

Procedure

1. Disconnect the power from the NMU by pulling out the mains IEC lead.



2. Disconnect the RS232 lead after unscrewing the retaining posts.



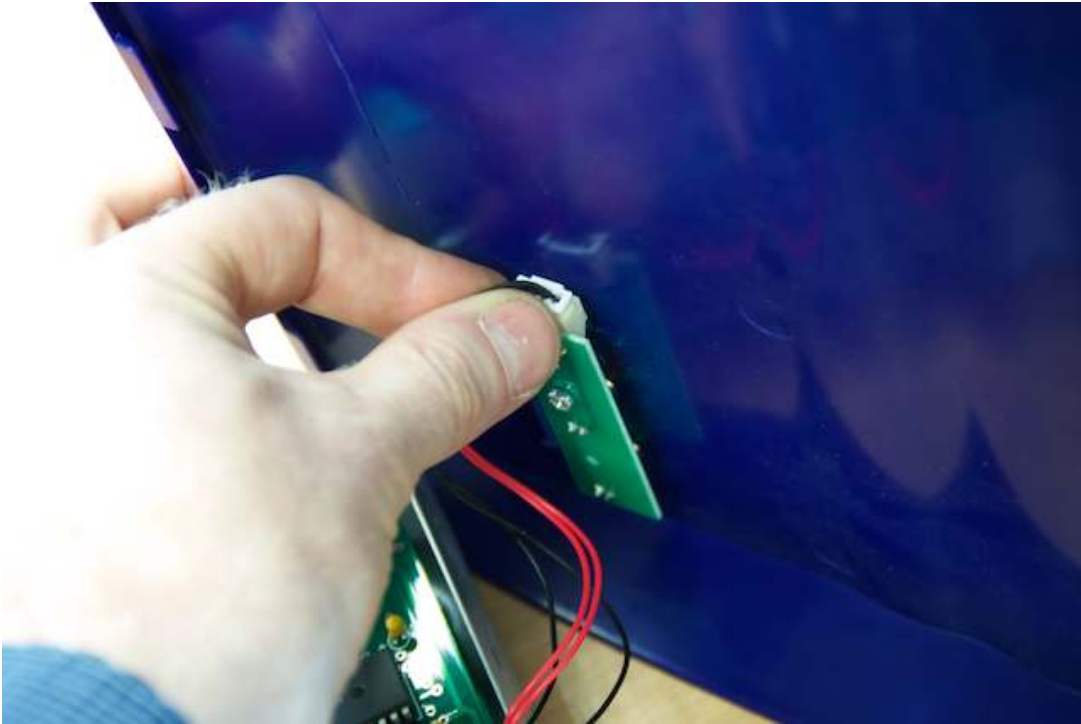
3. Remove the two M3 cover retaining screws.



4. Lift the cover up from the bottom and unhook it from the top edge of the lower case. Take care not to strain the LED connections.



5. Unplug the LED loom from the front cover and set it aside.

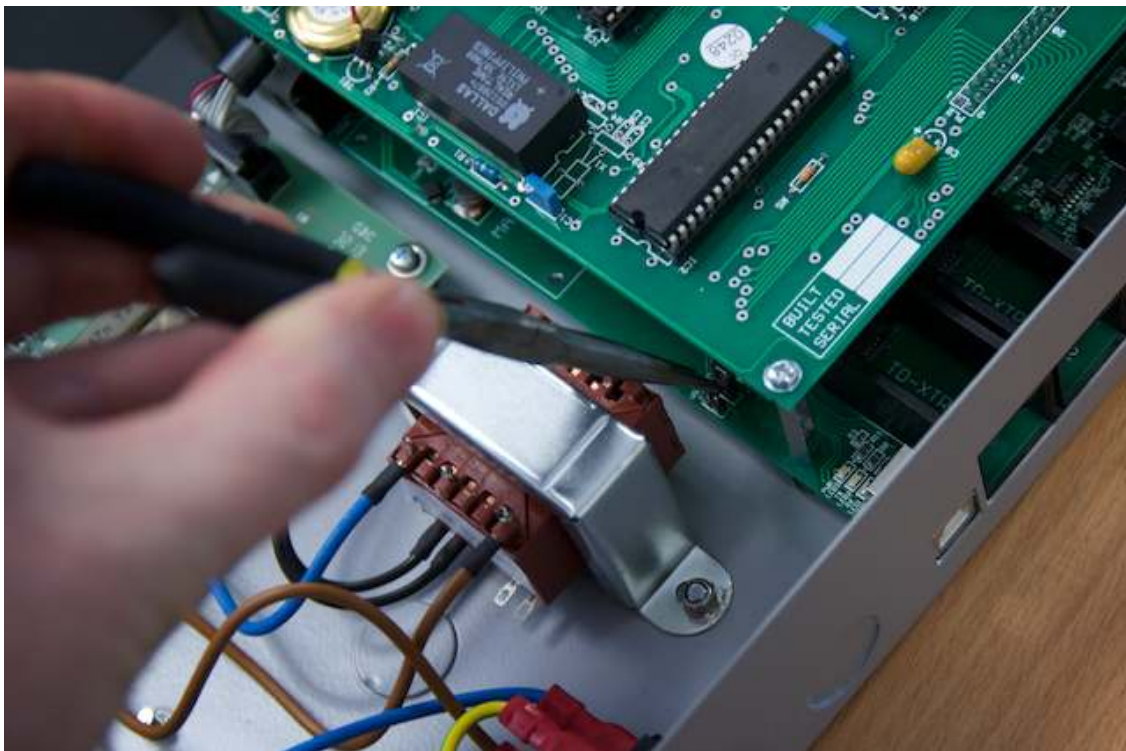


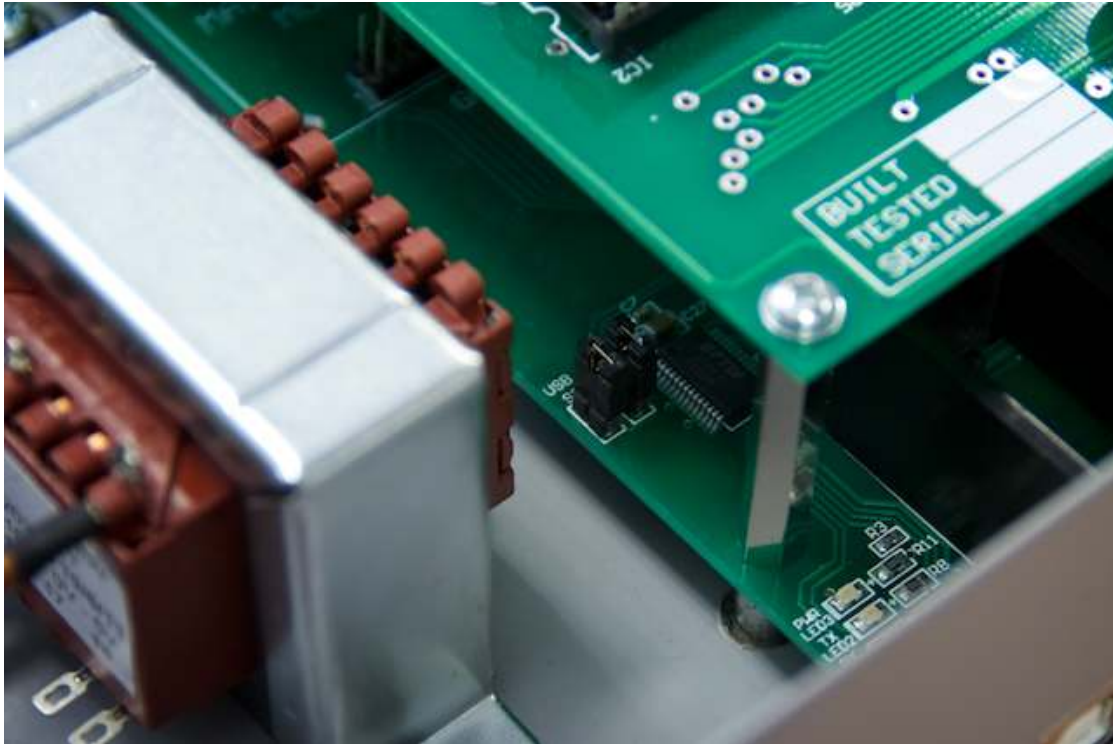
6. Locate the two RS232 SEL jumpers behind the RS232 socket on the lower PCB, and use a pair of long nosed pliers to carefully remove them. Retain the jumpers.



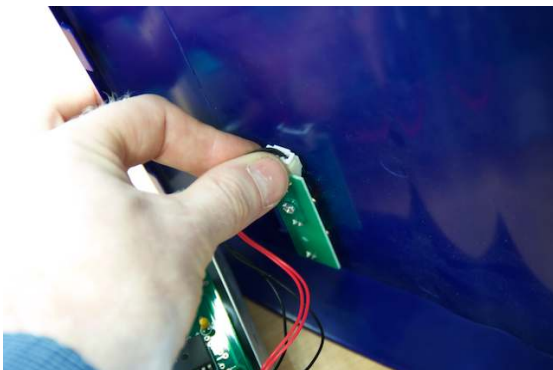


7. Locate the USB SEL jumper pins on the left hand side of the lower PCB. Fit the two previously removed jumpers to the pins.





8. Reconnect the LED loom to the cover, and replace the cover, and replace the retaining screws.



9. Plug the USB lead in to the USB socket.



10. Reconnect the mains power.



11. Check the Device Manager on the PC to ascertain the com port number that has been assigned to the USB adapter.

12. Reconfigure Monika 1.5 to use the new com port number.

Procedure Complete