

Prepping an MCS8+ for a new IP address

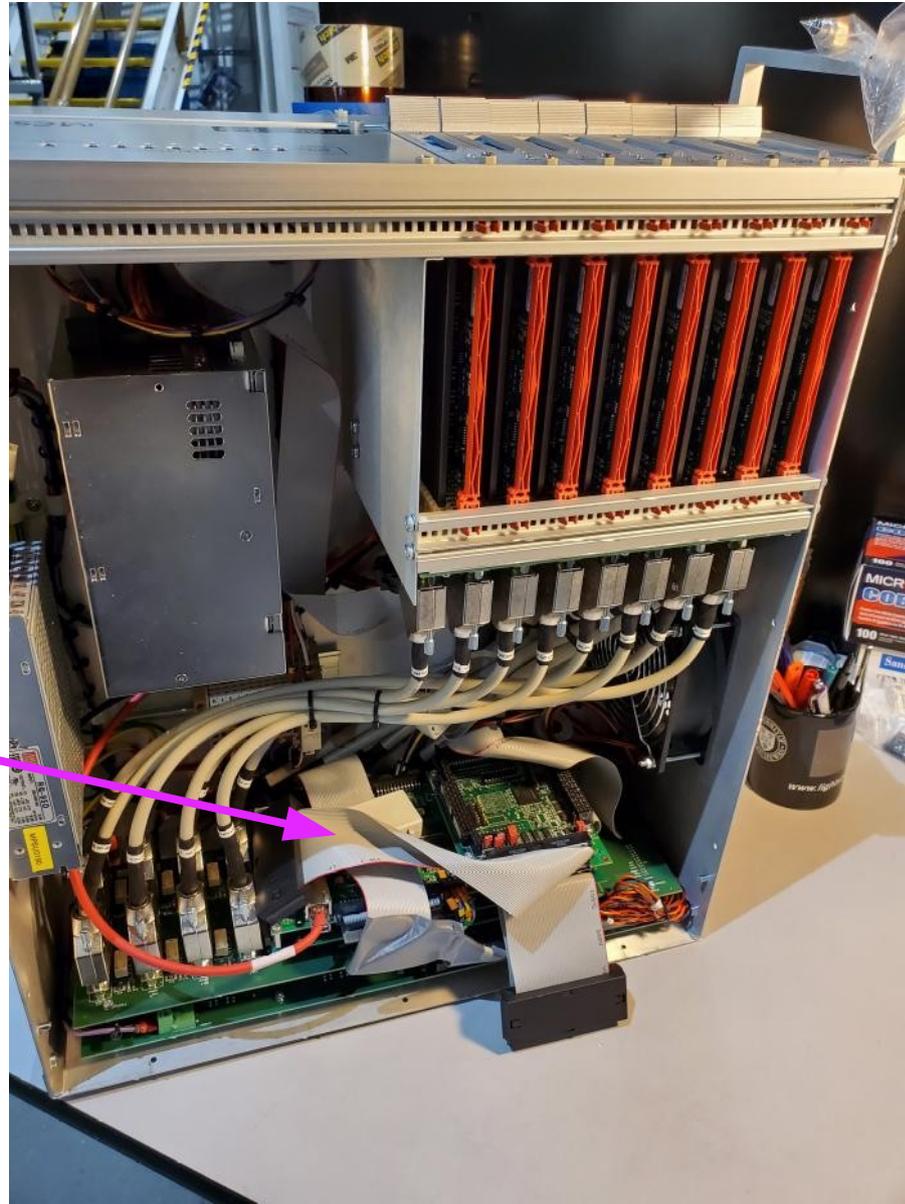
- The newer MCS8's from FMBO have a “feature” called EEPROM write protection. The upshot is that you cannot use the USB tool to set a new IP address without significant intervention.
- To override the write protection, you have to slide a jumper over pegs labeled “E8” on the MCS8's comms board. It's not easy to find.

Here is an MCS8 with the EEPROM write protection jumper.

Remove the top of the unit by unscrewing the set of small Phillips head bolts along the top edge the unit.

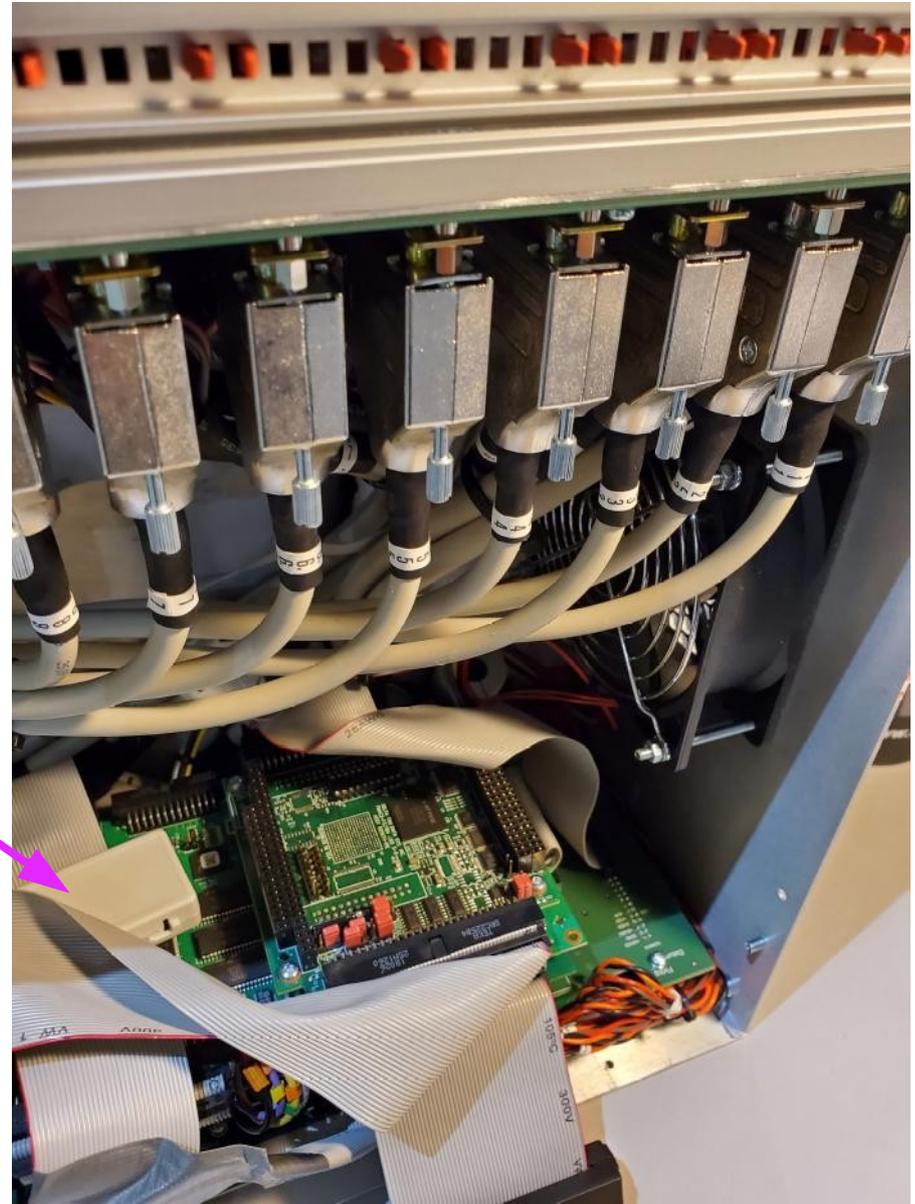
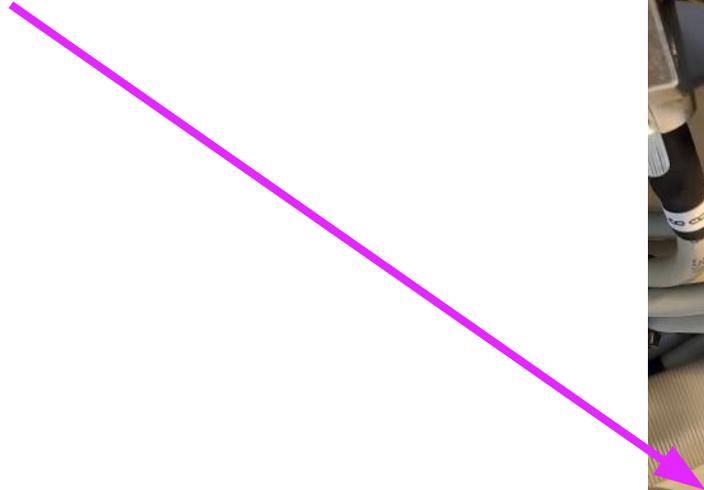
The jumper is hidden under this pile of ribbon cables.

Note the position of the cooling fan and the amplifier cards for orientation.

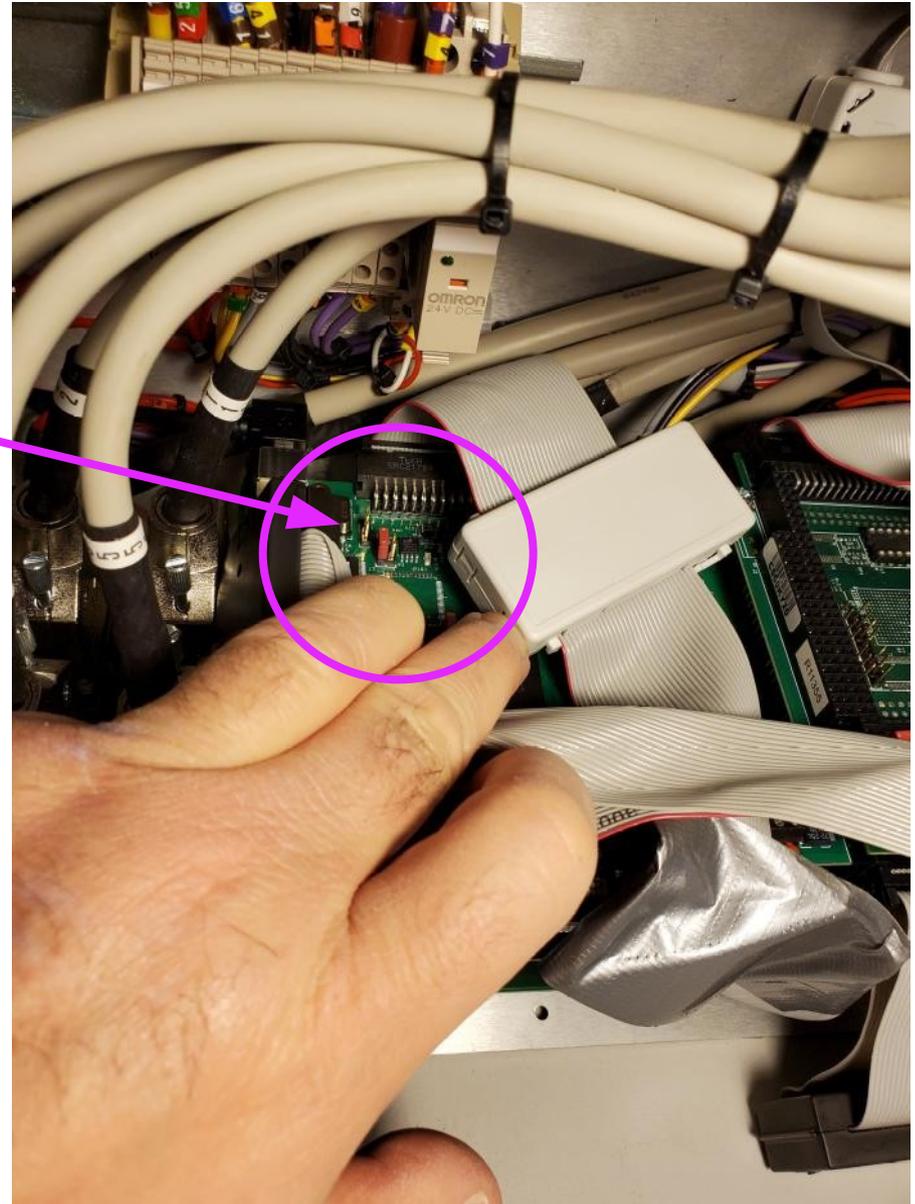


A closer look.

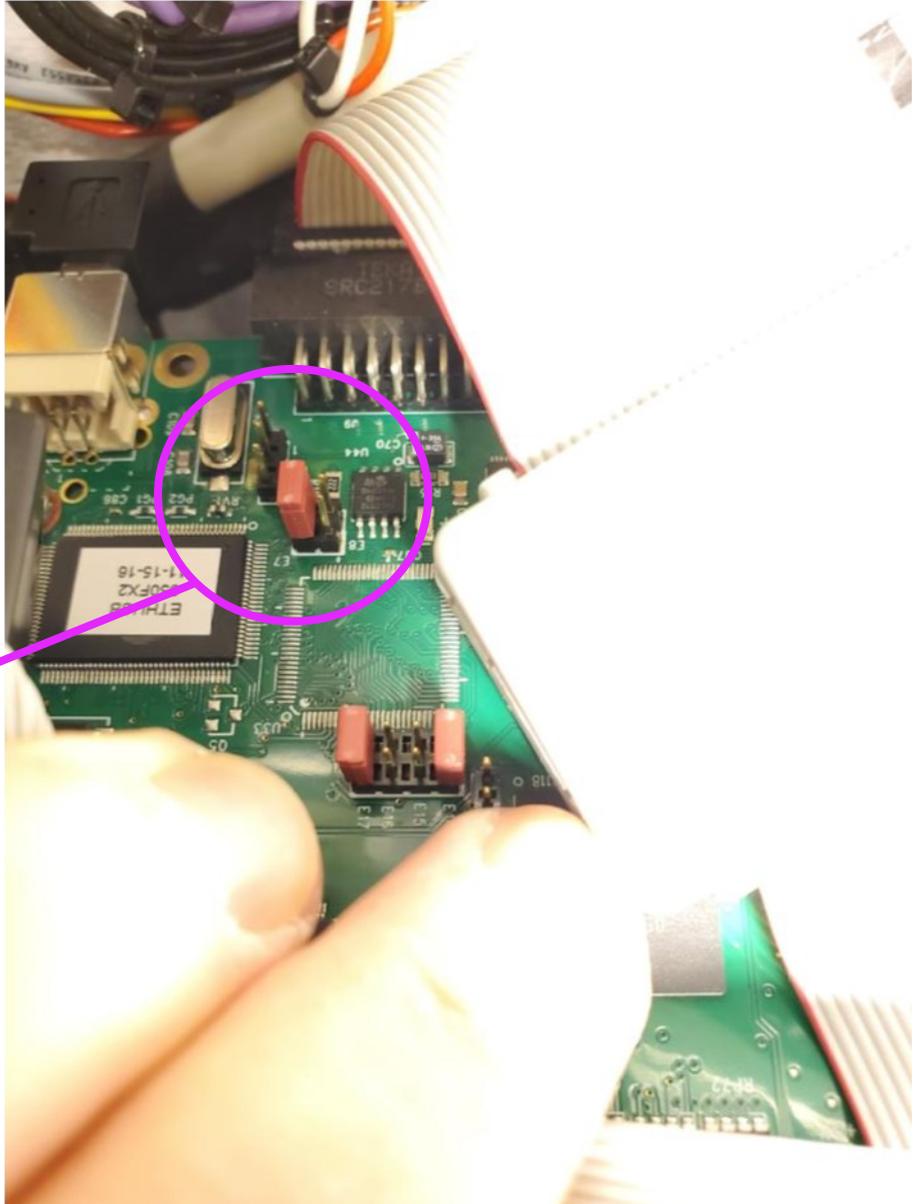
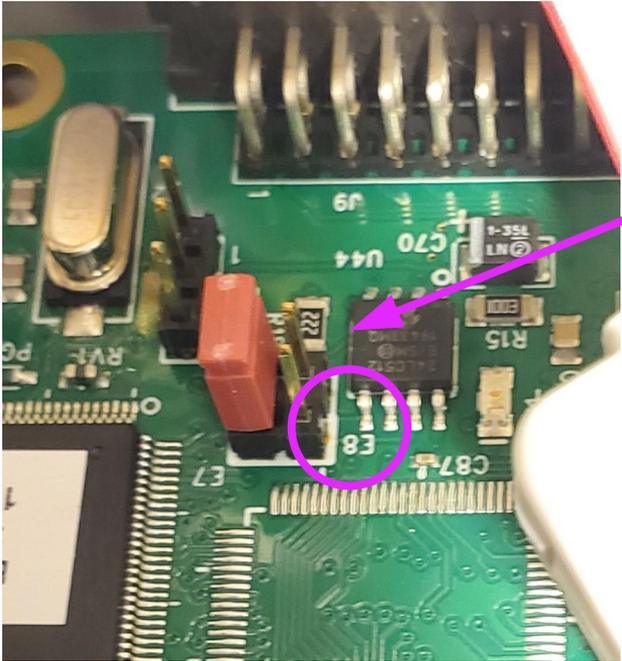
The jumper is hidden under this pile of ribbon cables.



Keep digging. You are looking for a jumper labeled E8.

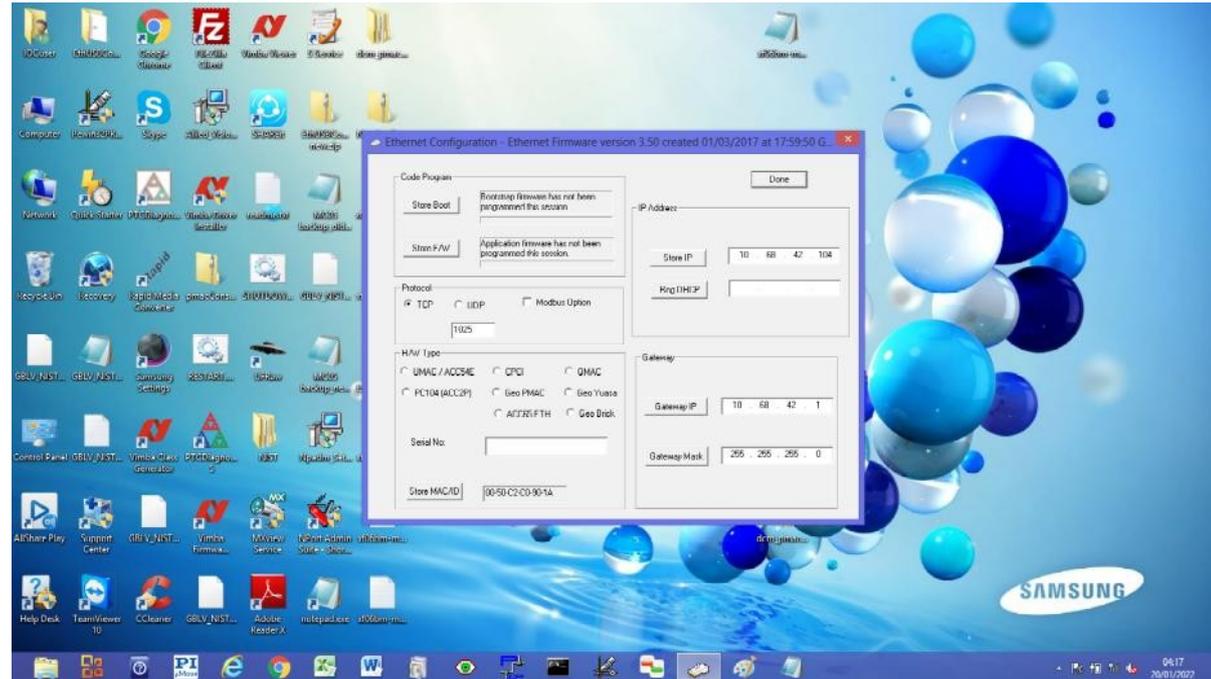


You are looking for jumper E8. It's buried under a couple ribbon cables.



Once E8 is jumpered, slide the cover back onto the unit and power it up.

From the PEWIN laptop, connect to the USB port on the MCS8. Fire up “EthConfigure MFC Application.” This is the tool bar icon that looks like a white CAT6 connector. The executable is in C:\Program Files (x86)\Delta Tau\Common and is called EthUSBConfigure.exe



Finally, set the IP address and click the “Store IP” button.

Set the Gateway IP and Mask. At NSLS-II, the gateway will always be the IP address with 1 as the last number. The mask will always be 255.255.255.0. Click both of those buttons once they are set.

Remove the USB cable, power down the controller, remove the jumper from E8. You should be good to go.

