

Technical Bulletin

No: 605 – DI-2000 Field Upgrade Instructions

Before performing the upgrade make sure you have a clean static free work area with a ground connection for a wrist strap. You will also need a soldering iron (with de-soldering tools) and common electronic hand tools. This procedure assumes you are experienced in proper handling of electronic components and accepted soldering practices. Wear a grounded wrist strap during the following procedure.

1. Disconnect power, remove all interconnect cables and move the unit to a clean anti static work area.
2. Remove the seven top cover retaining screws.
3. Carefully slide the top cover back until it clears the fourteen TRS connectors
4. Lift the lid until you have access to the remote control ribbon cables.
5. Make a note of their orientation. (facing the front of the unit the red stripe will be on the right hand side)
6. Unplug the two cables from the circuit board. Set aside the top cover.
7. Make a note of the orientation of the two ribbon cables that connect the two front panel switchboards to the main board.
8. Unplug the two ribbon cables from the main board.
9. Using a 5/64 hex driver remove the four button head screws from the front panel. Remove the front panel and set it aside.
10. Remove the eight screws that secure the main board to the chassis.
11. To remove the board from the chassis, gently lift the side of the board farthest from the power supply. Pull gently but firmly to unplug the main board from the power supply.
12. Set the chassis aside and place the main board on a protected anti-static surface.
13. Locate U21 & U22 (Mitel MH 88435)
14. Make a note of how U21 & U22 are oriented in the circuit board then CAREFULLY de-solder and remove both devices.
15. Before installing the modified devices check all pads and traces to make sure none have been damaged. Repair if necessary.
16. Referring to the note you made in step 14 install the modified Mitel devices (11188). Solder the devices in place using 63/37 rosin core solder for electronics. Clean up any excess flux residue. Trim leads as short as possible
17. Locate C71 & C73 (C71 is located next to U15 and C73 next to U18)
18. De-solder and remove C71 & C73
19. Inspect for any damage then install the .01uF film capacitors (5860). Solder then clean off excess flux. Trim leads as short as possible.
20. Note the orientation of U34 then using an IC removal tool, extract U34.



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21. Install the replacement U34 (14898) being careful to not to bend any of the pins and observing proper orientation.
22. Starting at step 11 and working in reverse order re-assemble the DI-2000.

NOTE: U21 & U22 have been tested and calibrated at the factory. In the unlikely event you experience a low level of audio hum remove the top cover and adjust the trimmer pot on U21-U22 until the hum is eliminated. Re-seal the pot with a drop of nail polish.

If you experience any problems or have questions regarding this procedure please call Technical Support



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