



Service Manual on changing the EDID router board in 1RU compact matrix routers

1. Introduction

Lightware's 1RU compact matrices have a separate printed circuit board for EDID management. The older assembled matrices used to have 128 byte EDID routing capability. This can be upgraded by changing the EDID router board to the new 256 byte EDID capable type. This new EDID router board supports CEA extension in EDID.

2. Applicability

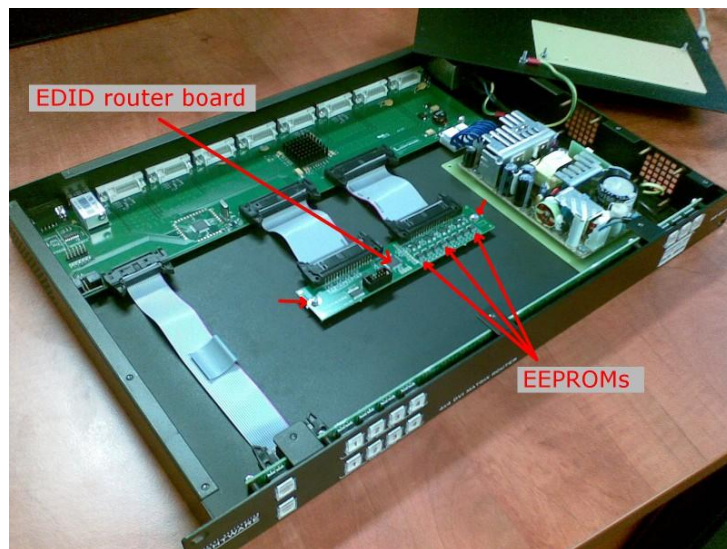
This guide applies to the following Lightware matrix routers:

- MX 4x4 DVI
- MX 4x4 DVI-DL
- MX 8x4 DVI-PRO
- MX 8x8 DVI-PRO

3. Assembly steps

Step 1. Unscrew all the screws on the top lid. (11 pcs)

Step 2. Check the current EDID router board. There are some EEPROMs as shown on the photo. The 128 byte version has 24LC01A types, while the 256 byte version has 24LC04B types.



Step 3. Disconnect the ribbon cables from the EDID router board. The plugs are secured with the clamps on the side. If the clamps are unfolded, the plug pops out.

Step 4. Unscrew the screws that are holding the board.

Step 5. Place the new board in place and fasten the screws. Do not forget the washers.

Step 6. The ribbon cable cannot be exchanged by mistake ensured by the positioning. Plug the ribbon cables in. Press them firmly until the clamps snap.

Step 7. Replace the lid, and fasten the screws.