OPT2
Installation Manual

Introduction
Matrix Fiber Interconnection module

The OPT2 is a fiber interconnection interface for the R2 and M2 Digital Multi–Zone & Multi–Media Matrix Systems. This module makes it possible to transfer up to 16 digital audio signals over one single fiber conductor (8 stereo channels) for covering large distances.

Installation precautions
The installation of the display unit may only be performed by qualified technicians. Incorrect installation can lead to permanent damage or incorrect functioning of the equipment.

Packaging contents

– OPT2 optical interface module
– 20p Flatcable

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Instructions
Mounting and connecting

Step 1:

⚠️

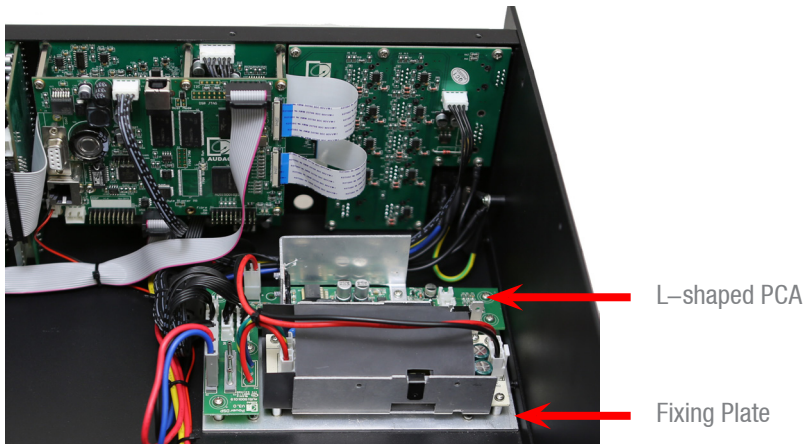Make sure the M2/R2 power inlet is disconnected from the mains power.

Step 2:
Open the M2/R2 housing by carefully removing the screws from the top panel of the device.
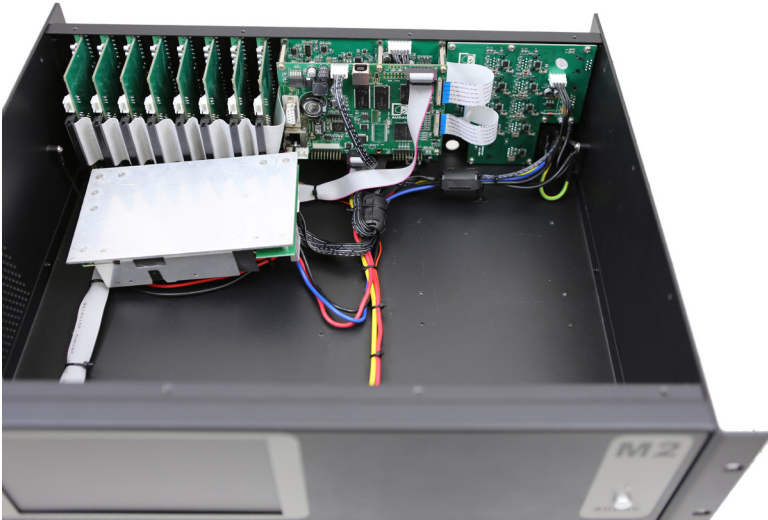
Step 3:
Remove the Powersupply.
In case the unit has a powersupply mounted on a fixing plate, u better remove the complete unit by removing the 4 screws from the bottom. Is the power supply not mounted on a fixing plate, it is sufficient to remove the 5 screws from de L–shaped PCA.
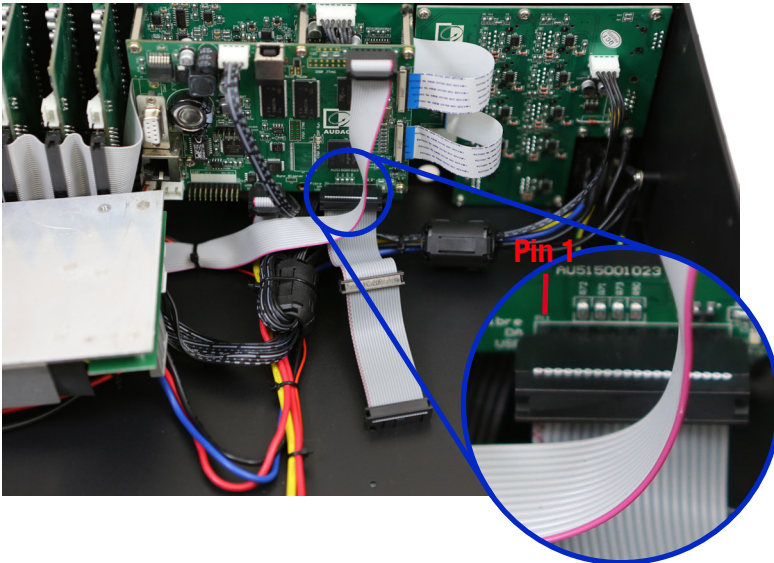

L–shaped PCA

Fixing Plate

Place the powersupply aside to make room for installing the OPT2 module.
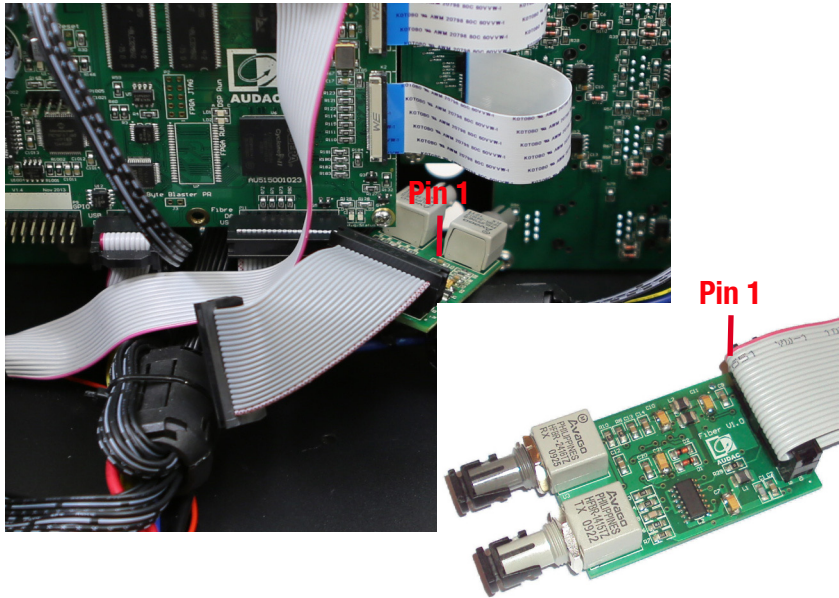

Step 4:
Connect one side of the supplied flatcable to the connector P1 of the DSP board.
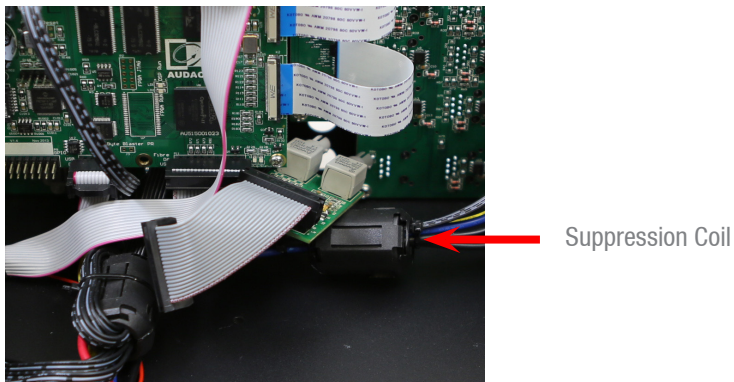Note the correct polarity.

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Step 5:

Connect the other side of the flatcable to the OPT2 module. In case there is a flatcable supplied with 2 extra connectors, please use the connector nearest by the DSP! Reassure the polarity of both connections!
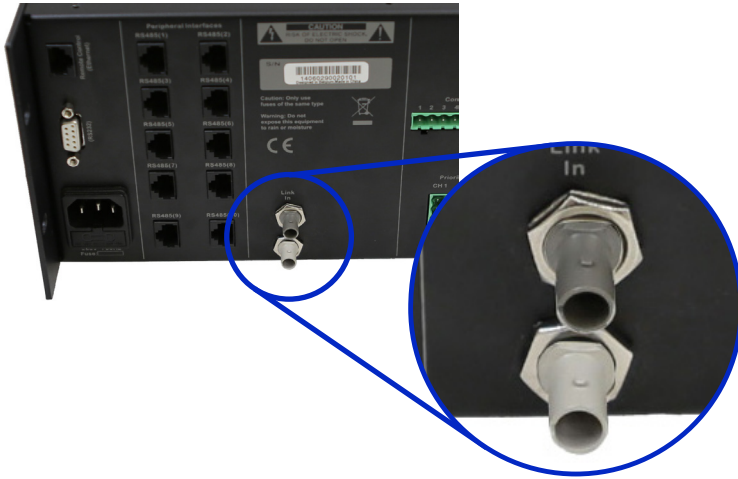

Step 6:

Remove the nuts from the module, and place the module in the chassis.
Make sure to place the module in the right way. That is, with the connectors at the side of the DSP. It might be necessary to move the suppression coil to the right to make some space.
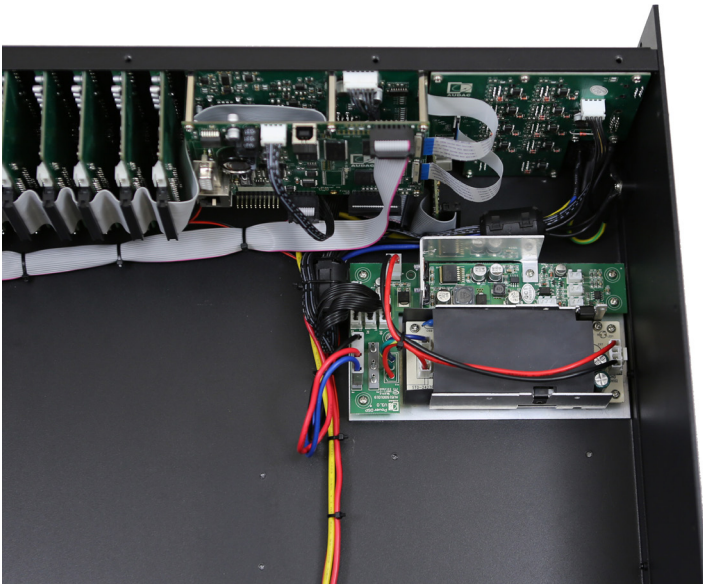

Suppression Coil

Step 7:
Fix the OPT2 board by tighten the nuts. Ensure not to over tighten the nuts.
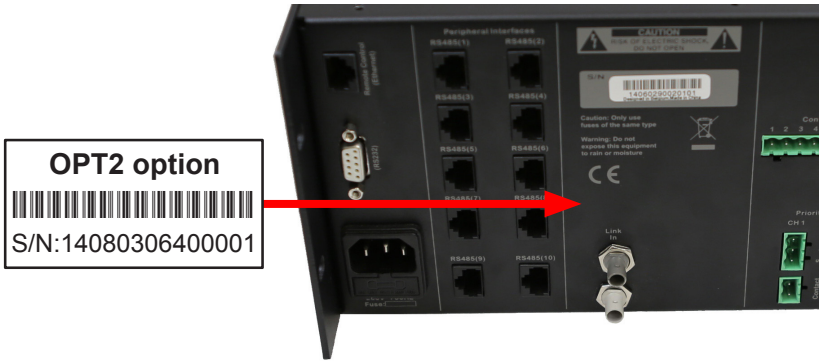

Step 8:
Replace the Powersupply you removed in step 3.

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Step 9:
Finally, place the OPT2 option label at the back of the unit at the designated place.

Step 10:
The OPT2 module is now properly installed. Close the housing, power up the system and your M2/R2 matrix system including Optical fiber interface is ready for operation.