

# R2OPT

Fiber Interconnection Interface

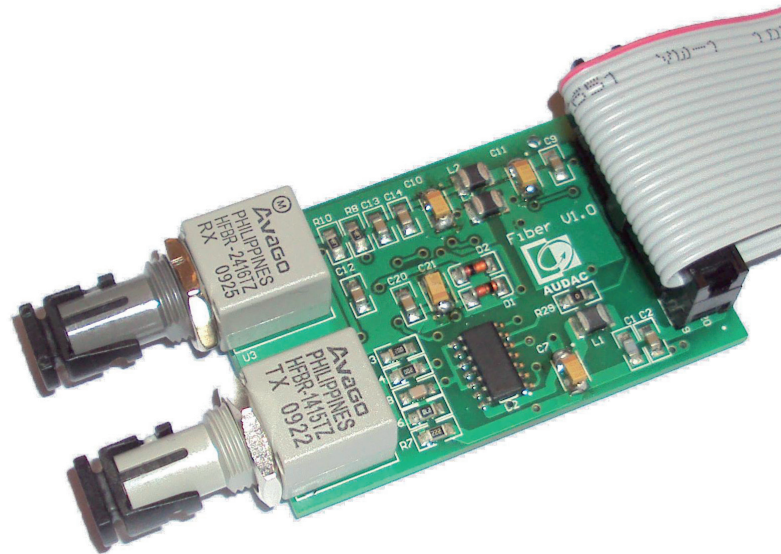
## AUDAC

### ► Features

- Transfer up to 16 audio channels (8 stereo)
- Up to 1000 meters cable
- 62.5 / 125  $\mu$ m Multimode glass fiber
- ST/PC connectors
- 820 nm Wavelength
- -105 dBm output power

### ► Applications

- Any application where several R2's and/or M2's needs to be cascaded and large distances need to be covered between several devices.



The R2OPT is a fiber interconnection interface for the R2 and M2 Digital Multi-Zone Matrix Systems.

It makes it possible to transfer up to 16 digital audio signals over one single wire (8 stereo channels).

The in- and output connections are performed using ST/PC connectors, and 62.5 / 125  $\mu$ m multimode glass fiber cable should be used to link the devices together.

The wiring of the entire system needs to be done according to the loop principle. Several devices can be linked in series, and then the loop needs to be closed by a feedback loop.

The maximum distance between two devices of this loop is 1000 meters. But when longer distances are required, it can be increased by using a signal repeater.

The protocol that is used for data transfer is a specific AUDAC protocol which is designed for this purpose. Hereby, maximum speed and optimal performance can be guaranteed.

The R2OPT interface includes all the software which is necessary to control and configure the device.

The selection of the audio signals which have to be transferred over the fiber interface, and which channels of the fiber interface have to be linked to the output zones can be made in the graphical user interface of the matrix system.

Recommended cable to be used in combination with R2OPT is 'Procab FBS125 Duplex Fiber connection cable ST/PC'.

### ► Specifications

PRODUCT FEATURES	
Used cable	62.5 / 125 $\mu$ m multimode glass
Connectors	ST/PC Connectors
Wavelength	820 nm
Max length	1000 meter
Output power	-105 dBm peak
SYSTEM SPECIFICATIONS	
Dimensions (Width x Height x Depth)	70 x 30 x 12 mm
Optional accessories	Procab FBS125 Duplex fiber connection cable ST/PC
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products	