OTR1210R1

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Quick Reference

Technical Specifications

Coax Input	1 x 75 Ohm BNC connector
	Supported standards: AES10-2008
	Cable length 250m (Belden 1694A)
Coax Output	1 x 75 Ohm BNC connector
	Amplitude: 750mV P/P
	Cable length 250m (Belden 1694A)
Fiber Optic	1 x fiber optic input 1 x fiber optic output Duplex connection using LC Connections
	Singlemode Version: OTR 1210 Transmitter: 1310nm (-3dBm) Receiver sensitivity: 1260nm to 1620nm (-3dBm to -21dBm) Max. Distance 10km (6.2 miles)
	Multimode Version: OTR 1210 MM Transmitter: 850nm (-2dBm to -7dBm) Receiver sensitivity: 850nm (0dBm to -15dBm) Max. Distance 550m (1804 feet)
Power	+12VDC @ 2.6W nominal - (supports 7 - 16VDC input range) LED power present indicator

We are constantly adding additional yellobrik modules.
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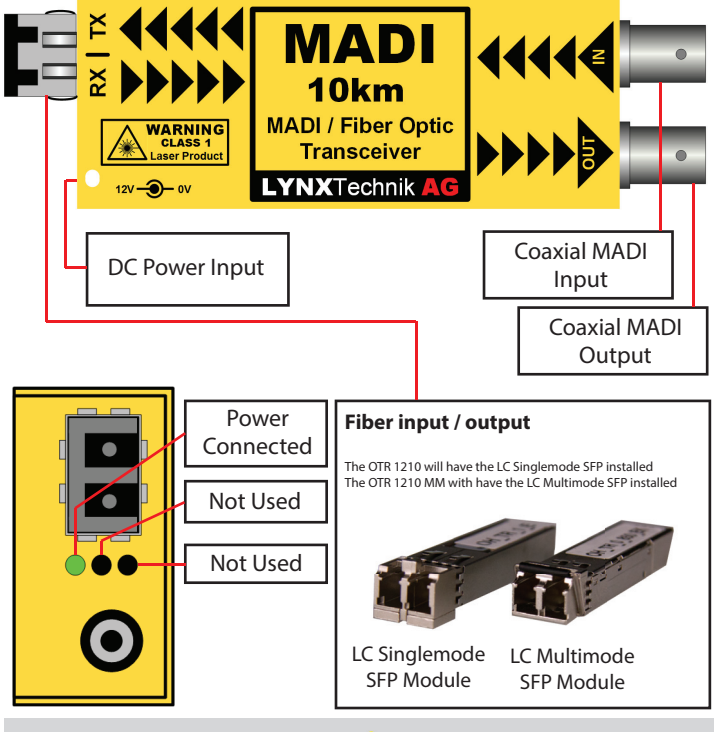
LYNXTechnik AG® | Broadcast Television Equipment

OTR 1210 / OTR 1210 MM

MADI / Fiber Optic Transceiver



WARNING
CLASS 1M LASER PRODUCT

LASER RADIATION
Do not view directly with optical instruments

Connections

The MADI coaxial input and output is connected to the corresponding 75 Ohm BNC connections provided. The fiber connections are made to the fiber SFP sub module as indicated on the module.

Both versions (OTR 1210 - Singlemode, and OTR 1210 MM - Multimode) use a dual LC simplex connection. Please ensure the fiber cable used is of the correct type for the module. (Singlmode or Multimode)

The module fiber connection is supplied with a rubber plug installed, this is to prevent dust contamination. Please retain the plug and use if the cables are ever disconnected from the module. An example of a LC connector is shown below:

Operation

The OTR 1210 is used to convert coaxial MADI signals (up to 64 channels IN and OUT) into fiber for use in long distance applications. The electrical / optical conversion introduces no delay (zero latency) and there is no signal degradation. Operation if fully automatic (plug and play) there are no user adjustments for the module.

The module supports hot swapping and hot plugging of all connections.

Power

The module requires a 7-16VDC power input (12VDC nominal) an LED is provided to confirm power is connected. A 12VDC power supply is provided, but if applying your own power, please provide a clean 7-16VDC power source. Module power consumption is approx 2.6W

Do not exceed 16VDC power input as module damage will result

Distance

Two versions of the module are available. Each version is supplied with a different SFP sub module :

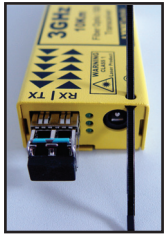
SFP Fiber sub modules plug into main module fiber socket.

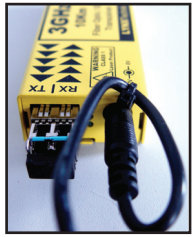
OTR 1210 - This is designed for use with Singlemode cable and has a max distance of approx 10km (6.2 miles)

OTR 1210 MM - This is designed for use with Multimode cable and has a max distance of approx 550m (1804 feet)

Power Lead Strain Relief

The module has a small hole in the case located above the power connection to prevent the power lead being accidentally pulled out. Use the supplied tie-wrap and secure the lead as shown below.





Optional Mounting Bracket

The optional RFR 1001 mounting bracket can be used to permanently mount the module on any flat surface or on 19" rack rails.