OTR1210_R03

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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 (LC/PC Connections) 1 x fiber optic output (LC/PC Connections)
	Singlemode Version: OTR 1210 Transmitter: 1310nm (-9 to dBm -3dBm) Receiver sensitivity: 1260nm to 1620nm (-23dBm) Max. Distance 10km (6.2 miles)
	Multimode Version: OTR 1210 MM-850 Transmitter: 850nm (-2dBm to -7dBm) Receiver sensitivity: 850nm (-15dBm)
	Multimode Version: OTR 1210 MM-1310 Transmitter: 1310nm (-14dBm to -20dBm) Receiver sensitivity: 1310nm (-30dBm)
Power	+12V DC @ 2.2W nominal - (power supply included) (supports 7 - 24V DC input range) Power LED on side of module

We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.

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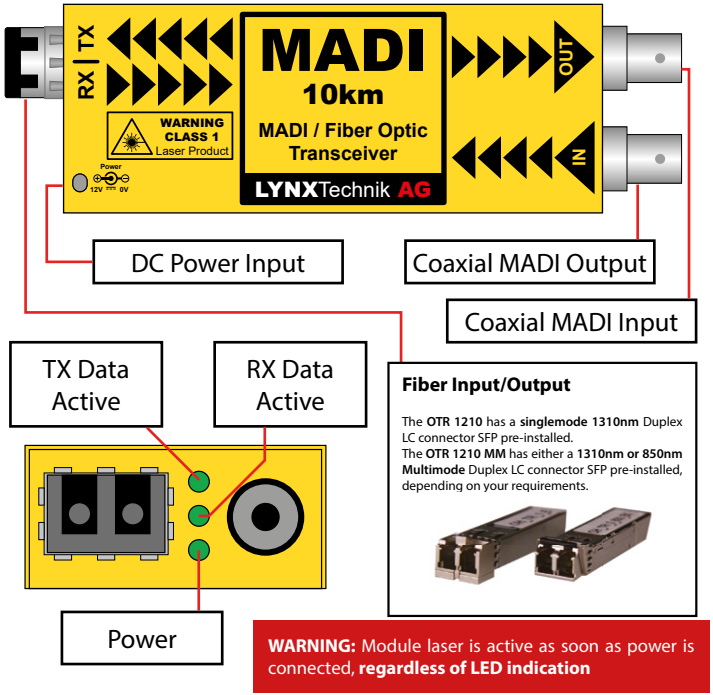
LYNXTechnik **AG**® | Broadcast Television Equipment

OTR 1210 (MM)

MADI / Fiber Optic Transceiver



WARNING: Module laser is active as soon as power is connected, **regardless of LED indication**

WARNING
CLASS 1M LASER PRODUCT

LASER RADIATION
Do not view directly with optical instruments

Connections

The coax MADI in- and outputs are connected to the corresponding 75 Ohm BNC connections provided. The fiber connection is made to the LC connector as indicated on the module. An example of a LC connector shown below.

Note: The module is designed for use with SMF (Singlemode) fiber cable.

Use the included dust plug to protect the optical connection from dust.

Operation

The OTR 1210 exclusively supports transmission of MADI signals according to AES10-2008. It 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. There are no user adjustments for the module. The module supports hot swapping and hot plugging of all connections.

Note: If TX LED is OFF this indicates no SDI input is present, or the input signal is not valid. If RX LED is OFF, then this indicates that no optical input signal is connected or the optical input power is too low.

Power

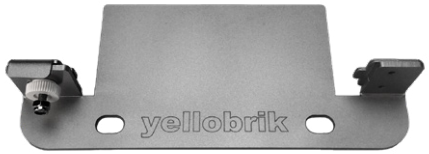
The module requires a clean 12V DC (7-24V DC) power source. An LED is provided to confirm power is connected. A 12V DC power supply is included with the module. If you are applying your own power source, please provide a clean, 7-24V DC power source. Power consumption information can be found in the technical specifications table.

Power Lead Strain Relief

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

Optional Mounting Solutions

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



The optional RFR 1000-1 rack mount can be used to permanently mount up to 14 yellobrik modules. In addition, the RFR 1000-1 can provide full power redundancy for all mounted yellobriks.

Note: The OTR 1210 is identical in terms of mounting and securing.