



OBD1210\_R02

# yellobrik®

# yellobrik®

## Quick Reference

### Technical Specifications

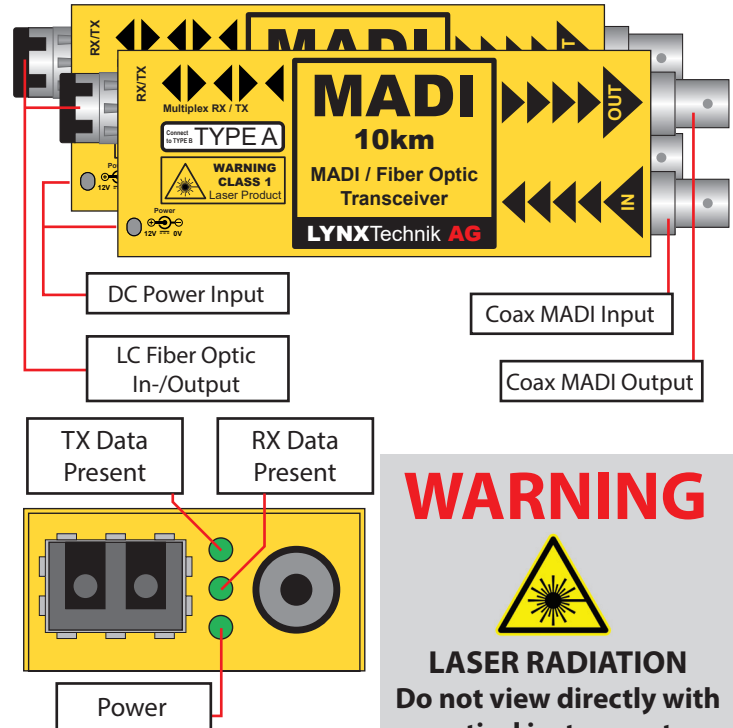
|                    |   |
|--------------------|---|
| <b>Coax Input</b>  | 1 x 75 Ohm BNC connector  |
|                    | Supported standard: AES10-2008  |
|                    | Cable length 250m ( Belden 1694A )  |
| <b>Coax Output</b> | 1 x 75 Ohm BNC connector  |
|                    | Amplitude: 750mV P/P  |
|                    | Cable length 250m ( Belden 1694A )  |
| <b>Fiber Optic</b> | 1 x Bidirectional fiber connection (LC/PC Connection)   |
|                    | <b>Type A: OH-BD-1-1310-LC</b><br>TX: 1310nm   Optical Power: -8dBm to -3dBm   Max. 10km<br>RX: 1550nm   Sensitivity : -16dBm |
|                    | <b>Type B: OH-BD-1-1550-LC</b><br>TX: 1550nm   Optical Power: -8dBm to -3dBm   Max. 10km<br>RX: 1310nm   Sensitivity : -16dBm |
|                    | TX and RX active LEDs on side of module   |
| <b>Power</b>       | +12V DC @ 2.7W nominal - (power supply included)<br>(supports 7 - 24V DC input range)<br>Power LED on side of module          |

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

[www.lynx-technik.com](http://www.lynx-technik.com)

### OBD 1210

### MADI / Fiber Bidirectional Transceiver



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

## WARNING



**LASER RADIATION**  
Do not view directly with optical instruments

**CLASS 1M LASER PRODUCT**

**LYNXTechnik AG®**

Broadcast Television Equipment

## Connections

The 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 an LC connector shown below.



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

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

## Operation

The OBD 1210 exclusively supports transmission of MADI signals according to AES10-2008. The modules are supplied as pairs ("Type A" and "Type B" respectively) and must be used as a pair. This is a closed WDM application using 1310nm and 1550nm wavelengths. Data send and receive activity is indicated by the LEDs located on the side of the module.

Operation is fully automatic. No user settings are provided for this module. The module supports hot swapping and hot plugging of connections.

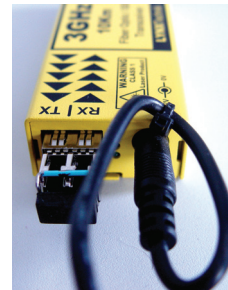
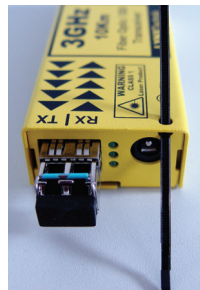
**Note:** The modules should be exclusively used in point to point applications and never be used in a multiplexed CWDM system (**Even if CWDM ports for 1310nm or 1550 nm are available**)

## 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 modules have 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 Brackets

The optional RFR 1001 mounting brackets can be used to permanently mount the modules on any flat 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:** OBD 1210 is identical in terms of mounting and securing