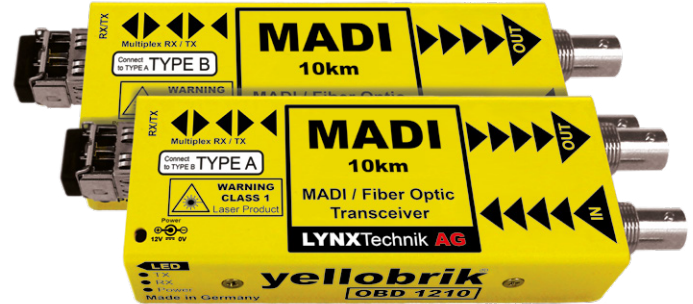


## MADI/Fiber Bidirectional Transceivers

- Bidirectional MADI send and receive over single fiber link
- MADI Optical to MADI Coaxial converters
- Supports up to 64 channels of audio (IN and OUT)
- Real time conversion with no degradation of signal quality
- Closed loop WDM fiber system
- Distances up to 10km\* (6.2 miles) over SMF fiber
- Supplied as matched pair (A and B version)
- Simplex LC singlemode optical connection
- Supports hot swapping and hot plugging



The OBD 1210 is a matched pair of compact MADI fiber transceivers designed to extend the reach of MADI signals over long distances (up to 10km)

The modules are designed to convert up to 64 audio channels bidirectionally (64 IN & 64 OUT) between MADI Optical and MADI Coaxial (electrical) formats.

Conversion is real time (no latency), does not degrade the signal quality and only requires a single bidirectional fiber link between the modules. (singlemode fiber)

The OBD 1210 solution is supplied as a complete kit which includes two matched modules, two power supplies and a transport case.

**Note:** This system used WDM optical multiplexing and should only be used in point to point applications. This solution cannot be integrated into a CWDM multiplexed system.

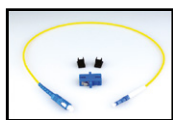
## Technical Specifications

<b>Coax Input</b>	1 x 75 Ohm BNC connector		
	AES10-2008		
	Automatic cable EQ:	250m	Belden 1694A
<b>Coax Output</b>	1 x 75 Ohm BNC connector		
	Amplitude	750mV (Peak to Peak)	
	Automatic cable EQ:	250m	Belden 1694A
<b>Fiber Optics</b>	1 x Bidirectional fiber connection (LC/PC Connection)		
	Wavelength:	Type A	TX: 1310nm / RX: 1550nm (WDM)
		Type B	TX: 1550nm / RX: 1310nm (WDM)
	Optical power:	Type A / B	-8dBm to -3dBm
	RX Sensitivity	Type A / B	-16dBm
	TX & RX active LED on side of module		
Max. distance*	max. 10km* (6.2 miles)		
<b>Power</b>	+12V DC @ 2.7W nominal - ( supports 7 - 24V DC input range )		
	Power LED on side of module		
<b>Physical (per module)</b>	Size (incl. connectors)	140mm x 42mm x 22mm (5.51" x 1.65" x 0.86")	
	Weight	125g (4.4oz)	
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)		
<b>Model #</b>	OBD 1210	EAN# 4250479324640	
<b>Includes</b>	2x Modules, 2x SFP Modules, 2x AC power supply		

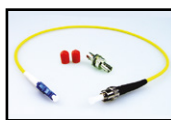
\*Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of cable. Determine link losses and perform optical budget calculations to ensure correct operation.

## Fiber Adapter Options

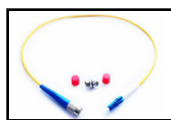
These adapter kits allow the use of ST, SC or FC fiber connections on the module.



Model# **LC/SC SIM**  
LC/PC to SC/PC Adapter



Model# **LC/ST SIM**  
LC/PC to ST/SC Adapter



Model# **LC/FC SIM**  
LC/PC to FC/SC Adapter

## Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



**P-TAP 1000**  
Use with a standard battery P-TAP power source.



**XLR 1000**  
Use with a standard 4 pin XLR camera battery power source.

