yellobrik®

Quick Reference

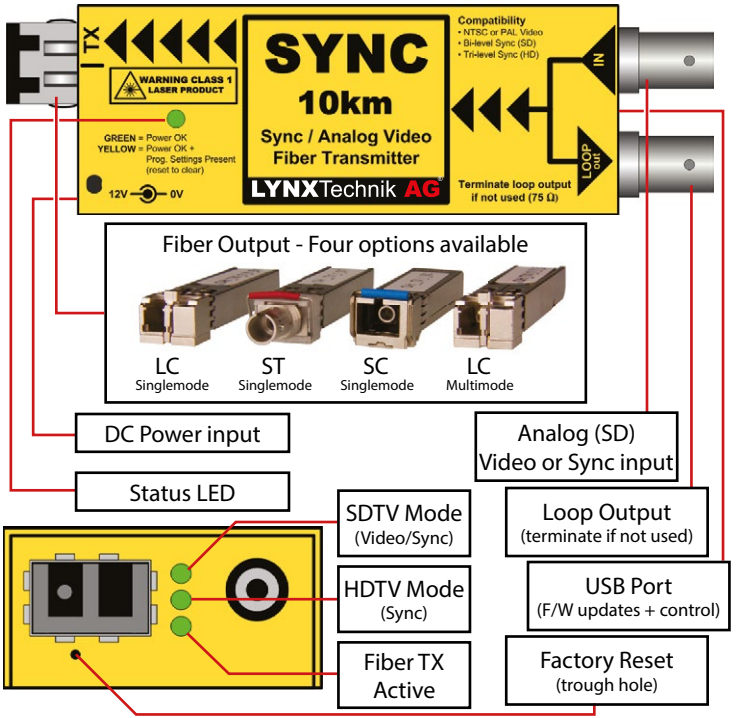
Technical Specifications

SDI Input	Sync = analog black burst / SDTV bi-level / HDTV tri-level Video = NTSC / PAL composite video 1 x passive loop output (terminate if not used) 75 Ohm BNC connectors
	NTSC SMPTE 170M, PAL CCIR624 Analog tri-level sync SMPTE ST 274, ST 296
	Return loss: 31dB to 10MHz
Optical Output (singlemode)	1 x fiber optic singlemode output LC, ST or SC connection
	SMPTE 297M - 2006
	Wavelength: 1310nm, Optical power -5dBm
	Max. distance: 10km (6.2 miles - approx)
Optical Output (multimode)	1 x fiber optic multimode output LC connection
	SMPTE 297M - 2006
	Wavelength: 850nm, Optical power -5dBm
	Max. distance: 300m (984feet - approx)
Power	+12V DC power supply (included) Power consumption: 5W

We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.
www.lynx-technik.com

OTX 1712-2 (LC,ST,SC,MM)

Sync / Analog Video Fiber Transmitter



WARNING
CLASS 1M LASER PRODUCT

LASER RADIATION
Do not view directly with optical instruments

Connections

The analog video/sync input is made on a standard BNC connector. A loop out connection is provided. Please terminate the loop output with a 75 Ohm terminator if not used.

Four versions of the module are available, the only difference is the SFP sub module installed into the basic module. (LC, ST or SC connections for singlemode versions and a multimode version with LC connection)

The module fiber connection is supplied with a rubber plug installed, this is to prevent dust contamination. Please retain the plug and use if cable is ever disconnected from the module.

Operation

Operation of the OTX 1712-2 is fully automatic. The analog video or sync input format is automatically detected, converted and transmitted over the fiber optic connection. LEDs are provided on the side of the module to indicate the module operating mode (SDTV or HDTV)

Status LED

The Status LED on the top of the module is multifunctional:

- = Power OK and no internal programmed settings are present
- = Power OK and some internal programmed settings are active*
- = (OFF) Power not present.

**Some additional internal settings have been made using the LynxCentraal. The LED indicates this by truning yellow. The module can be set to factory defaults by using the reset button (recessed in a hole on the side of the module). When reset the LED will change back to green.*

Distance

The distance reach of modules is different for Singlemode and Multimode

OTX 1712-2 LC, ST, SC Singlemode - max(approx) **10km (6.2 mi.)**
OTX 1712-2 MM Multimode - max (approx) **300m (984 ft.)**

USB Port / Firmware Updates / LynxCentraal

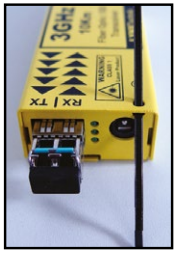
The USB interface on the module is used for firmware updates and for control of the module using the LynxCentraal software application. For more information and to download the LynxCentraal application please go to:

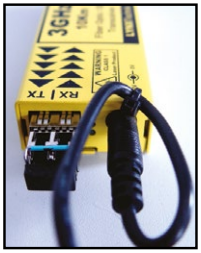
LynxCentraal.lynx-technik.com

Firmware updates are always provided free of charge and can be downloaded from our website. A PC/MAC and a USB cable are required for firmware updates and to use the LynxCentraal appliction

Power Lead Strain Relief

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





Oprional Mounting Bracket

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

Note: *OTX 1712-2 is identical in terms of mounting and securing.*