



# yellobrik®

# yellobrik®

## Quick Reference

### Technical Specifications

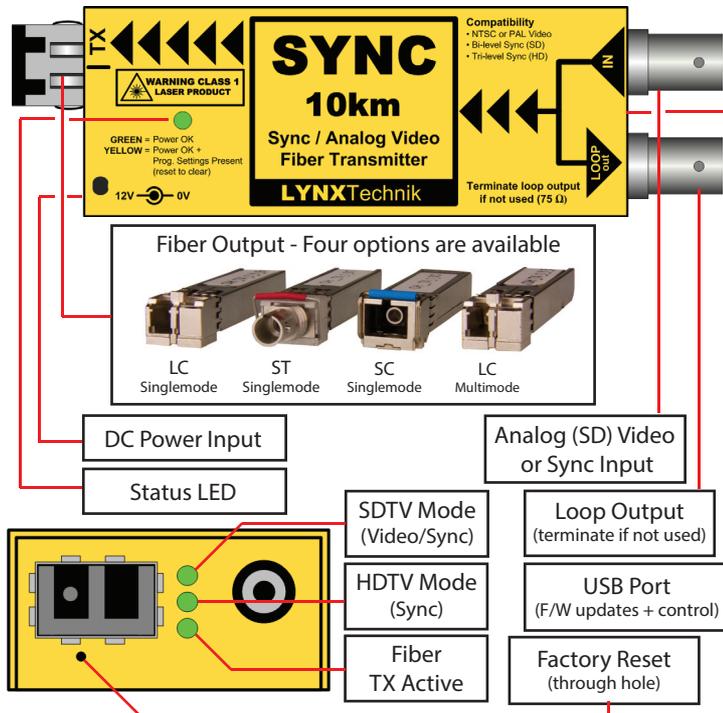
<b>Analog Input</b>	Sync = analog black burst / SDTV bi-level / HDTV tri-level Video = NTSC / PAL composite video 1 x passive loop output (terminate if not used) 75 Ohm BNC connectors
	NTSC SMPTE 170M, PAL CCIR624 Analog tri-level sync SMPTE ST 274, ST 276
	Multi-standard operation, auto-detect
	Return loss: 31dB to 10MHz
<b>Fiber Out Singlemode</b>	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)
<b>Fiber Out Multimode</b>	1 x fiber optic multimode output LC connection
	SMPTE 297M - 2006
	Wavelength: 850nm, Optical power -5dBm
	Max. distance: 300m (984feet - approx)
<b>Power</b>	+12VDC power supply (included) Power consumption: 5W

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)

**LYNX**Technik **AG**® | Broadcast Television Equipment

## OTX 1712 (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 the cable is ever disconnected from the module.

## Operation

Operation of the OTX 1712 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 multifunction:

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

\* Some additional internal settings have been made using the yelloGUI. The LED indicates this by turning yellow. The module can be reset to factory defaults by using the reset switch (recessed under a hole on the side of the module). When reset the LED will change back to Green.

## Distance

The distance reach of the modules is different for Singlemode and Multimode.

**OTX 1712 LC, ST, SC** Singlemode - max (approx) **10Km (6.2 miles)**

**OTX 1712 MM** Multimode - max (approx) **300m (984 feet)**

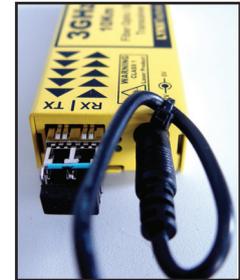
## USB Port / Firmware Updates / yelloGUI

The USB interface on the module is used for firmware updates and for control of the module using the yelloGUI software application. For more information and to download the yelloGUI application please goto: <http://yellogui.lynx-technik.com>

Firmware updates are always provided free of charge and can be downloaded from our website. A PC and a USB cable is required for firmware updates and to use the yelloGUI application.

## 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.

