



# yellobrik®

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## Quick Reference

### Technical Specifications

**Analog 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 276

Multi-standard operation, auto-detect

Return loss: 31dB to 10MHz

**Fiber Out Singlemode** 1 x fiber optic singlemode output (CWDM)  
 LC connection

SMPTE 297M - 2006

18 Wavelength selections per ITU-T G.694.2  
 1270,1290,1310,1330,1350,1370,1390,1410,1430,1450,1470,  
 1490,1510,1530,1550,1570,1590,1610nm

Fiber TX active LED on side of module

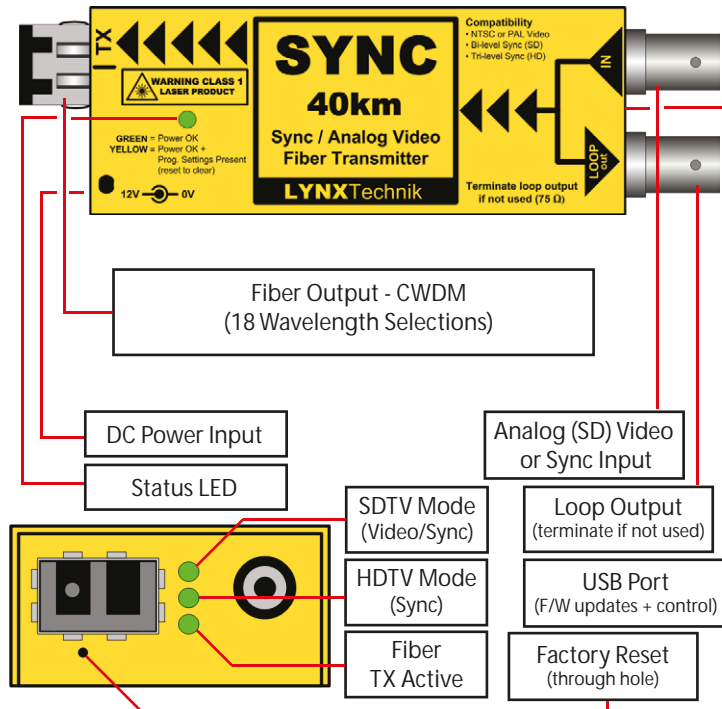
Max. distances:  
 OH-TX-4-xxxx SFP option = 40km (24.8 miles - approx)  
 OH-TX-8-xxxx SFP option = 80km (49.6 miles - approx)

**Power** +12VDC power supply (included)  
 Power LED on side of module  
 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)

### OTX 1742-2 Sync / Analog Video Fiber Transmitter



## 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.

The module is CWDM compatible with selectable SFP sub modules providing all the standard 18 wavelength choices between 1270nm and 1610nm (as defined by ITU-T G694.2). The SFP's are also available in standard (40km) and long haul (80km) versions:

OH-TX-4-XXXX = (standard) 40km SFP where XXXX = wavelength  
OH-TX-8-XXXX = (long haul) 80km SFP where XXXX = wavelength

The fiber connection is LC and 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.




Note. The use of Singlemode fiber cable is mandatory, the module will not function correctly if used with Multimode cable.

## Operation

Operation of the OTX 1742-2 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 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.

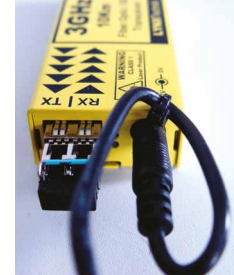
## USB Port / Firmware Updates / yelloGUI

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.



**Note:** OTX 1742-2 is identical in terms of mounting and securing

