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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 276

Return loss: 31dB to 10MHz

Optical Output 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)

1 x fiber optic multimode output
 LC connection

SMPTE 297M - 2006

Wavelength: 850nm, Optical power -5dBm

Max. distance: 300m (984feet - approx)

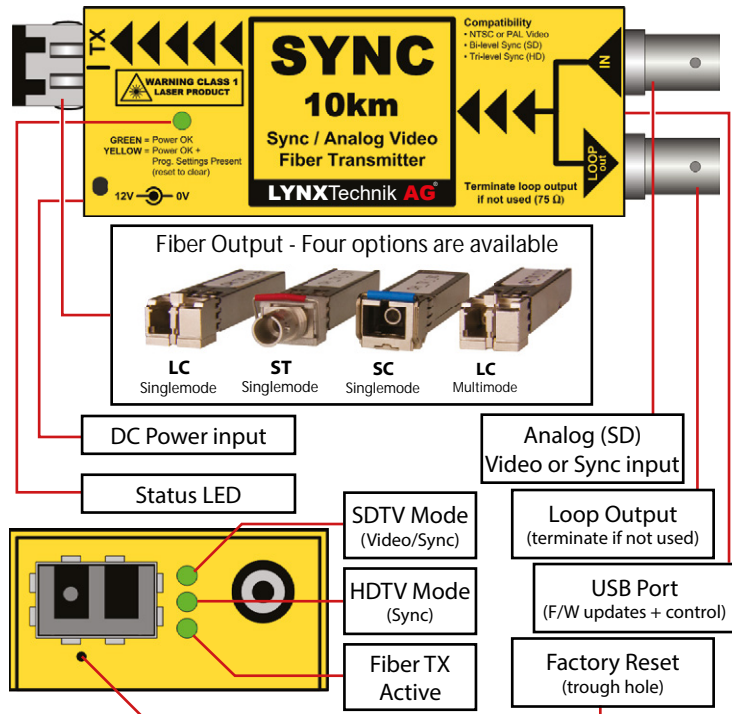
Power +12VDC power supply (included)
 Power consumption: 5W

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

www.lynx-technik.com

LYNXTechnik AG® | Broadcast Television Equipment

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 yelloGUI. The LED indicates this by turning 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 LC, ST, SC Singlemode - max(approx) **10km (6.2 mi.)**

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

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 go to:

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 are 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 from being accidentally unplugged. 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 19" rack rails.**

