ORX1702R1

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Quick Reference

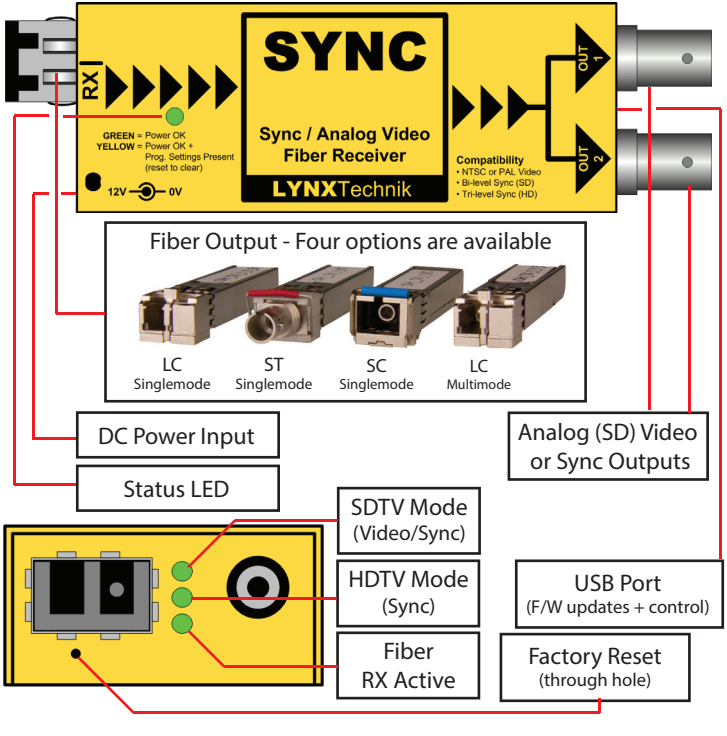
ORX 1702 (LC,ST,SC,MM)
Sync / Analog Video Fiber Receiver

Technical Specifications

Fiber Input Singlemode	1 x fiber optic Input LC, ST or SC connection
	SMPTE 297M - 2006
	Input range (wavelength): 1260nm to 1620nm
	RX sensitivity: -3dBm to -19dBm
	RX active LED on side of module
Fiber Input Multimode	1 x fiber optic input LC connection
	SMPTE 297M - 2006
	Input range (wavelength) 780nm to 880nm
	RX sensitivity: 0dBm to -15dBm
	RX active LED on side of module
Analog Output	Sync = analog black burst / SDTV bi-level / HDTV tri-level Video = NTSC / PAL composite video 2 identical outputs provided. 75 Ohm BNC connectors
	NTSC SMPTE 170M, PAL CCIR624 Analog tri-level sync SMPTE ST 274, ST 276
	Return loss: 46.5dB to 10MHz
Power	+12VDC power supply (included) Power/Status LED on top 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



Connections

The analog video / sync outputs use standard BNC video connectors. Two identical outputs are provided.

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 mutlimode 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 ORX 1702 is fully automatic. The fiber input is automatically detected and converted to an analog sync signal. The modules current operating standard (SDTV or HDTV) can be seen using the LED's on the side of the module.

Note: The default mode of operation is to output a sync signal. If SDTV (525 or 625) video is received, then only the analog sync will be converted. To convert the entire SDTV video signal requires an internal setting is changed using the yelloGUI software tool.

When using a OTX 1712, or OTX 1742 as the fiber transmitter the timing latency (from analog input to output) is EXACTLY 1 frame for sync. For video signals is it less than one frame, but not frame aligned.

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.

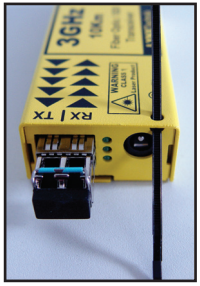
USB Port / Firmware Updates / yelloGUI

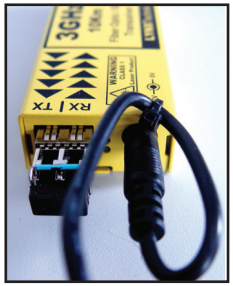
The USB interface on the module is used for firmware updates and for control of the module using the yelloGUI software application. For more information and to download the yelloGUI application please goto: **www.lynx-technik.com>support>download area>yelloGUI**

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 software.

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.