



# yellobrik®

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## Quick Reference

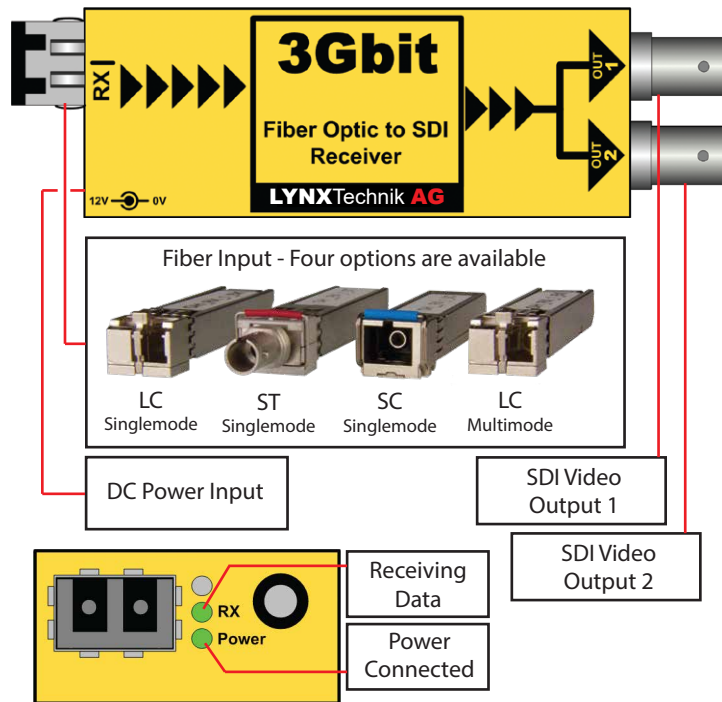
### Technical Specifications

<b>Fiber Input Singlemode</b>	1 x fiber optic Input LC, ST or SC connection
	SMPTE 297M - 2006
	Input range (wavelength) 1260nm to 1620nm
	RX sensitivity -3dBm to -19dBm
<b>Fiber Input Multimode</b>	1 x Fiber Optic Input LC Connection
	SMPTE 297M - 2006
	Input range (wavelength) 780nm to 880nm
	RX sensitivity 0dBm to -15dBm
<b>SDI Output</b>	2 x SDI video on 75 Ohm BNC connectors
	SMPTE 424M, SMPTE 292M, SMPTE 259M, DVB-ASI
	Multi-standard operation from 270Mbit/s to 3Gbit/s
	Return Loss: >15dB from 5MHz to 1.5GHz >10dB from 1.5GHz to 3GHz
<b>Power</b>	+12VDC power supply (included) Supports external power input from 7 - 16 VDC Power LED on side of module. Power Consumption 1.3W

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)

## ORX 1802 (LC,ST,SC,MM) 3Gbit Fiber Optic to SDI Receiver



**WARNING**  
CLASS 1M LASER PRODUCT



LASER RADIATION  
Do not view directly with  
optical instruments

## Connections

The SDI video outputs are connected to the corresponding 75 Ohm BNC connections provided. The fiber connection is made to the fiber SFP sub module as indicated on the module.

Four versions of the module are available, the only difference is the SFP sub module installed into the basic module.

**ORX 1802-2 LC** - Singlemode LC fiber connection

**ORX 1802 ST** - Singlemode ST fiber connection

**ORX 1802 SC** - Singlemode SC fiber connection

**ORX 1802 MM** - Multimode LC fiber connection



SFP Fiber sub modules plug into the basic base module

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 1802 is fully automatic. The SDI video format is automatically detected, relocked and provided on two SDI output connections. The module supports all SDI video standards as well as DVB/ASI.

The ORX 1802 supports hot swapping and hot plugging of connections.

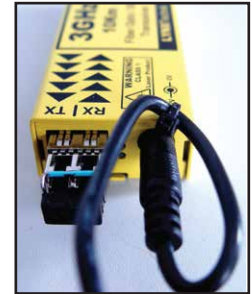
No user settings are provided for this module.

## Power

The module requires a 12V DC power input and an LED is provided to confirm power is connected. A power supply is provided, but if applying your own power, please provide a clean 12V DC power source. Module power consumption is approx 1.3W

## 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:** ORX 1802 is identical in terms of mounting and securing.