



# yellobrik®

# yellobrik®

## Quick Reference

### Technical Specifications

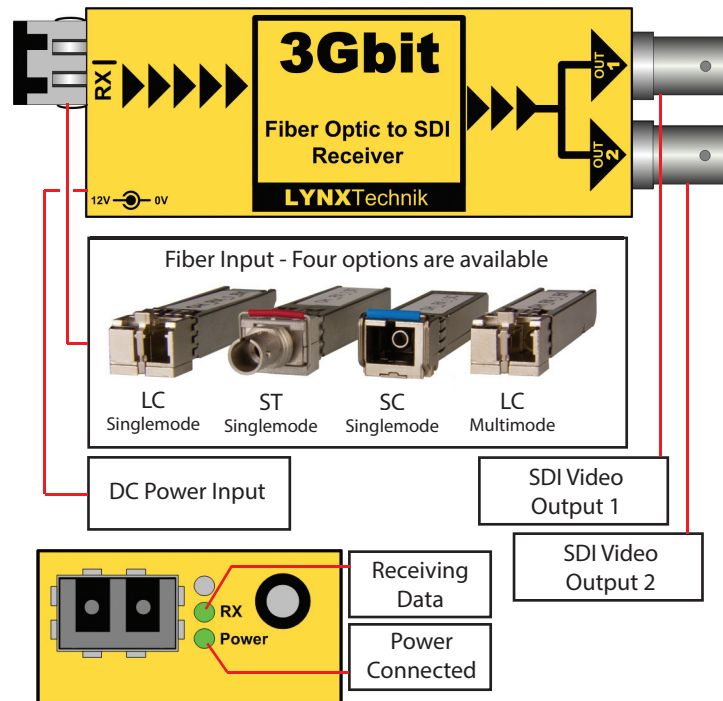
Fiber Input Singlemode	1 x fiber optic Input LC, ST or SC connection  SMPTE 297M - 2006  Input range (wavelength) 1260nm to 1620nm  RX sensitivity -3dBm to -19dBm
Fiber Input Multimode	1 x Fiber Optic Input LC Connection  SMPTE 297M - 2006  Input range (wavelength) 780nm to 880nm  RX sensitivity 0dBm to -15dBm
SDI Output	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 to 1.5GHz and > 10dB up to 3GHz
Power	+12VDC power supply (included) Supports external power input from 9 - 14 VDC Power LED on side of module. Power Consumption 1.4W

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)

**LYNXTechnik AG®** | Broadcast Television Equipment

### 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.

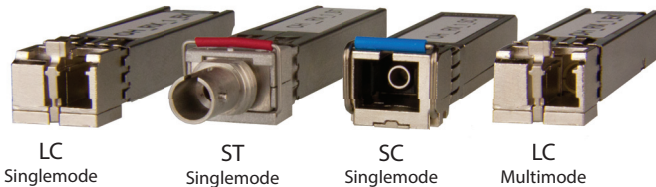
Four versions of the module are available, the only difference is the SFP sub module installed into the basic module.

**ORX 1802 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 a 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 1.4W

## 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.

