



yellobrik®

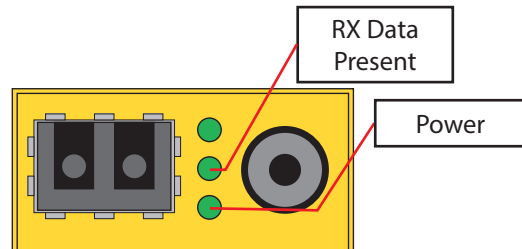
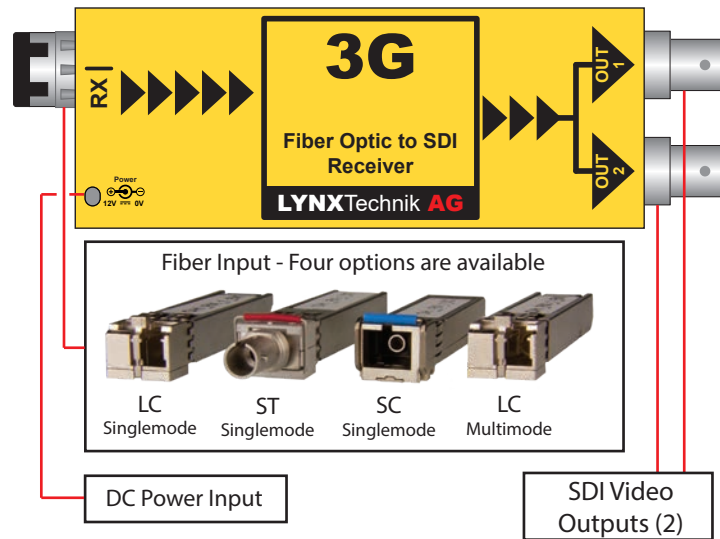
yellobrik®

Quick Reference

Technical Specifications

Optical Input	SMPTE 297M - 2006 Singlemode Version: ORX 1802-2 LC & ORX 1802 ST/SC Receiver Sensivity: 1260nm-1620nm (-18dBm) LC/ST/SC Connection
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 up to 1.5GHz ; >10dB up to 3GHz
Power	+12V DC @ 1.9W nominal - (power supply included) (supports 7 - 24V DC input range) Power LED on side of module

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



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

www.lynx-technik.com

Connections

The SDI 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

Use the included dust plug to protect the optical connection from dust.

Operation

The ORX 1802 supports any SDI video signal from 270Mbit/s to 3Gbit/s as well as DVB/ASI. The fiber input wavelength range is 1260nm - 1620nm in singlemode and 780nm - 880nm in multimode. Data reception activity is indicated by the RX LED on the side of the module. The module has two identical output channels.

Operation is fully automatic. The fiber input video rate is automatically detected, relocked and provided on the BNC output connectors. No user settings are provided for this module. The module supports hot swapping and hot plugging of connections.

Note: If the RX LED is OFF this indicates that no signal is present, the signal is too weak or is not a valid input.

Power

The module requires a clean 12V DC (7-24V DC) power source. An LED is provided to confirm power is connected. A 12V DC power supply is included with the module. If you are applying your own power source, please provide a clean, 7-24V DC power source. Power consumption information can be found in the technical specifications table.

Power Lead Strain Relief

The modules have 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 Brackets

The optional RFR 1001 mounting brackets can be used to permanently mount the modules on any flat surface or on 19" rack rails.



The optional RFR 1000-1 rack mount can be used to permanently mount up to 14 yellobrik modules. In addition, the RFR 1000-1 can provide full power redundancy for all mounted yellobriks.



Note: ORX 1802 is identical in terms of mounting and securing