

L-Band to Fiber Transmitter

- Input frequency 700MHz - 2300MHz
- L-Band output
- LNB power selectable 13V/18V
- 22kHz on/off for LNB local oscillator control
- Simplex LC/PC singlemode optical connection
- Up to 10km (6.2 miles)



The OTX 1910 is an effective solution for transporting analog RF L-Band signals over long distances. The module supports RF signals within the extended L-Band range of 700MHz to 2300MHz.

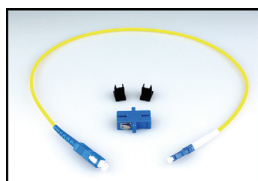
The module is configured using the integrated dip switch. This allows the LNB power to be activated and switched to 13V or 18V to select horizontal or vertical polarization. Additionally, the internal 22kHz tone generator can be turned on and off to select the high or low frequency range.

When paired with the fiber optic receiver for RF signals (yellobrik ORX 1900) you have a very cost effective optical RF transmitter/receiver system for distances up to 10km.

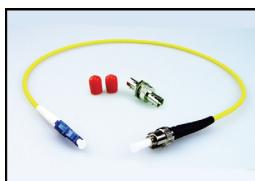
Technical Specifications

RF Input	Connector: 1 x 75 Ohm F-Type Frequency Range L-Band: 950MHz - 2150MHz Frequency Range Ext. L-Band: 700MHz - 2300MHz Return Loss: >14dB Input Power Range: -10dBm to -65dBm
LNB Power	Voltage: (13V/18V) DC, On/Off Current max.: 450mA Protection: Short Circuit LO Control: 22kHz / 0kHz
RF Output	Connector: 1x 75 Ohm F-Type Frequency Range: 700MHz - 2300MHz Return Loss: >14dB Flatness L-Band: +/- 1.5dB Flatness Ext. L-Band: +/- 2.0dB Output Level: Within +/- 2.0dB of input signal
Fiber output	Connector: 1 x LC/PC singlemode Wavelength: 1310nm Optical Power: 1dBm (+/- 1dBm)
Power	+12VDC power supply (included) Power Consumption max. 5 Watts including LNB power
Size	105mm x 40mm x 22mm (4.13" x 1.57" x 0.86")
Model #	OTX 1910
Includes	Module, 12V DC power supply and Velcro mounting strip. (fiber optic cable not included)

Adapter Cable Options



Model# **LC/SC SIM**
LC/PC to SC/PC Adapter



Model# **LC/ST SIM**
LC/PC to ST/PC Adapter

These adapters allows the use of ST or SC fiber connections to the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.

Power Adapter Options

The kit **INCLUDES** AC power supplies. The power adapters below are optional.



P-TAP 1000
Use with a standard battery P-TAP power source.



XLR 1000
Use with a standard 4 pin XLR camera battery power source.

Fiber Optic Connection

LC Simplex (Singlemode) up to 10km (6.2 miles) (not included).



Specifications subject to change