

# FOL-1601

## Fiber to L-band receiver

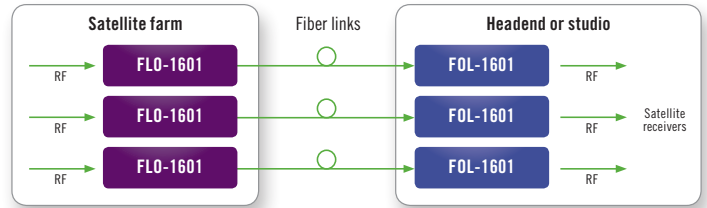


The FOL-1601 is a fiber optic receiver that restores an L-band satellite signal that has been received from a single mode fiber. The fiber transmission is totally protocol transparent and both transmitter and receiver maintain high signal fidelity over the whole transmission.

The FOL-1601 accepts a wide range optical input (1270 nm - 1610 nm) and provides manual gain control (MGC) to compensate for any optical loss. Moreover, the user has the option to apply an additional 20 dB gain in order to get the desired level on the RF output.

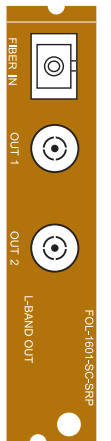
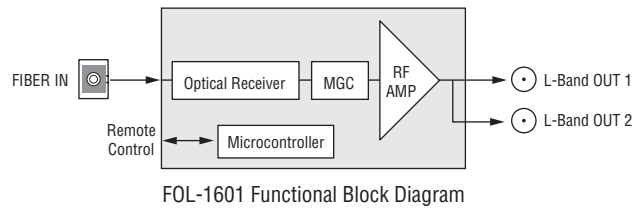
Housed in the Densité frame, and easily controllable via the iControl software or the frame controller menu, the FOL-1601 occupies only one

slot, which makes it an ideal cost-efficient solution for connecting satellite dishes to a studio or any other application involving seamless optical transmission of L-band satellite signals.



### KEY FEATURES AND BENEFITS

- > Broadband operation: 950 MHz to 2150 MHz
- > Protocol transparent: receives all video, audio and data modulation formats
- > Two RF outputs for extra signal distribution or monitoring
- > Manual gain control
- > Single mode fiber, SC/APC connector
- > Remote monitoring and control
- > High density, up to 20 channels in a 2RU frame



FOL-1601-SC-SRP

### TECHNICAL SPECIFICATIONS

#### OPTICAL INPUT

Connector: SC/APC  
 Fiber type: Single mode 9/125 μm step index [SI] fiber complying with ITU-T recommendation G.652, TIA/EIA-492CAAA, IEC Publication 60793-2 and GR-20-CORE requirements  
 Maximum attenuation of 0.4 dB/km @ 1310 nm  
 Wavelength: 1270-1610 nm  
 Input power range: -14 to 0 dBm  
 MGC range: 31 dB (nominal)

#### RF OUTPUTS

Connector: Type-F  
 Output impedance: 75 ohm  
 Return loss: >10 dB across frequency range 950 to 2150 MHz  
 Output frequency range: 950 to 2150 MHz  
 Output power range: -40 dBm to 0 dBm  
 Gain flatness: ±1.5 dB @ 950 to 2150 MHz

#### ELECTRICAL

Power: 5 W

### ORDERING INFORMATION

#### Densité 2 frame

FOL-1601 Fiber to L-band receiver  
 FOL-1601-SC-SRP Single rear connector panel

#### Densité 3 frame

FOL-1601-3RU Fiber to L-band receiver (including 3RU adaptor)  
 FOL-1601-SC-SRP-3RU Single rear connector panel (including 3RU adaptor)

**Remote control** iControl, iControl Solo, RCP-200 \*

\* For full list of supported cards, visit <http://www.miranda.com/RCP-200>