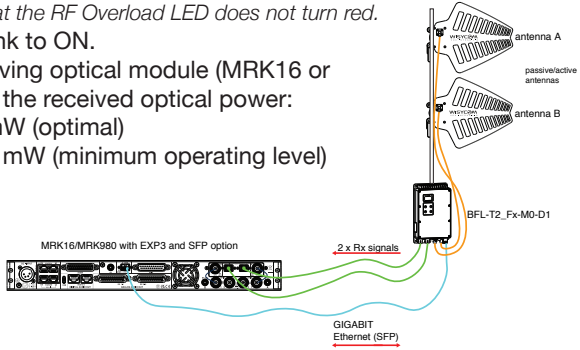
Wireless Microphone Reception Setup

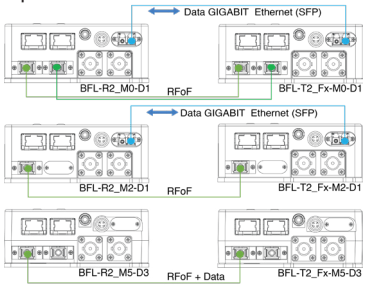
- Power the BFL-T2 using the power supply provided in the package.
- Connect the optical connectors as described in the Optical Link Connection section.
- Connect the antennas to the RF connectors using coaxial cables.
- Access the menu and configure both Link A and Link B:
  - Set the module name (maximum 8 characters).
  - Set the operating mode to ANT (antenna reception mode).
  - Adjust the gain or enable the booster only to compensate for coaxial cable loss.
  - Set the filter according to the microphone frequency range.

We recommend filtering the input signal to reduce interference, minimize system noise, and prevent laser saturation. Ensure that the RF Overload LED does not turn red.

  - Set the Link to ON.
- On the receiving optical module (MRK16 or BFLR2), verify the received optical power:
  - ≥ 1 mW (optimal)
  - ≥ 0.3 mW (minimum operating level)



Optical Link Connections



- for M0 version connect
  -2 fibers single mode SC/APC for RFoF
  -1 fiber single mode LC/UPC for Data
- for M2 version connect
  -1 fiber single mode SC/APC for RFoF
  -1 fiber single mode LC/UPC for Data
- for M5 version connect
  -1 fibers single mode SC/APC for RFoF and Data

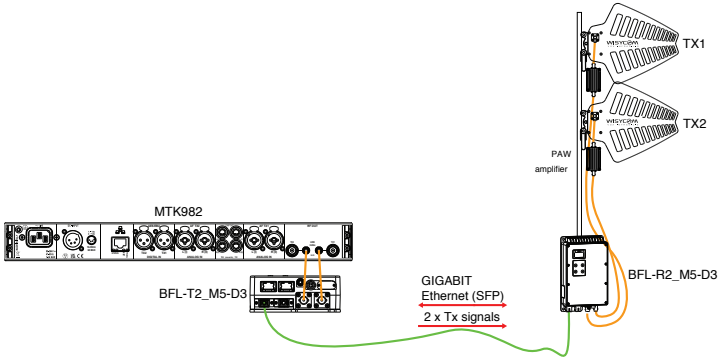
ISTR-BFLT2-01_BFLT2-en-q01

Wireless IEM/IFB Transmission Setup

- Power the BFL-T2 using the power supply provided in the package.
- Connect the optical connectors as described in the Optical Link Connection section.
- Connect the RF connectors using coaxial cables to the transmitters: connect direclty to the auxiliary ports of the MTK982/ MTK952 or add an attenuator if using another transmitter.

WARNING: Ensure that the input power is 0 dBm (max. level: 3 dBm, 2mW). The system is designed to transmit only one IEM/IFB channel per module. To transmit additional channels, the input signal must be attenuated.Refer to the full user manual for further details.

- Access the menu and configure both Link A and Link B:
  - Set the module name (maximum 8 characters).
  - Set the operating mode to IFB (transmission mode).
  - Set the Link to ON.
- On the receiving optical module (BFLR2), verify the received optical power:
  - ≥ 1 mW (optimal)
  - ≥ 0.3 mW (minimum operating level)



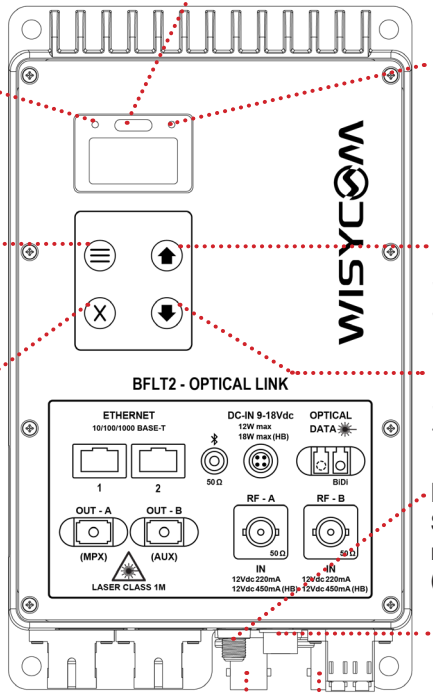
FIBER TIPS BOX
- Clean your fiber connectors on both ends
- Use single mode fiber only
- Be sure your fiber connectors are **SC/APC**
- Typical fiber loss with Wisycom systems is approx. 0.4 dB/Km

IFB operating in transmission
(IEM / IFB remoting)

A Zone1	B Zone2	
---	---	Name
0.6dBm	0.6dBm	RF level
IFB	IFB	Mode IFB

ANT operating in reception
(wireless microphone)

A Zone1	B Zone2	
+1.00 dB	+2.00 dB	Name
170-1260	170-1260	RF Gain
ANT	ANT	RF Filter [MHz]
		Mode ANT

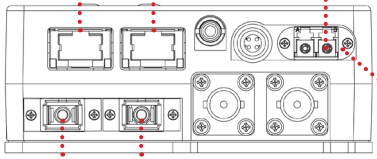


Link Status Led
- **Red**: link alarm *(laser fault)*
- **Green**: laser on
- **Grey**: laser off

Menu Button
Press this button to enter the main menu and select menu options.
Press to **SAVE**.

Exit Button
Press this button to step back while in the main menu.

Gigabit ETH ports and integrated fiber
- for remote control via Wisycom Manager
- for remote antenna control
- for Dante /ShowLink



RFoF links A and B*
SC/APC optical connector, single model fiber

Data fiber link*
LC/UPC optical connector
single mode fiber

Bluetooth Status and RF alarm Led
- **Red: RF alarm** *(Rf overload/booster fault)*
- **Grey: Bluetooth off**
- **Blue: Bluetooth on**

Up
Short Press to scroll up in the main menu or to access the rotary quick menu.

Down
Short Press to scroll down in the main menu or to access the rotary quick menu.

Bluetooth Connector
SMA connector for BT antennas to remotely control via Wisycom BT (iOS/Android app), available Q1 2026.

Power Connector
Hirose power connector 9-18 VDC
type HR10A-7R-4S (pin1: GND, pin4: VDC)
consumption: 9.5 W with booster (18W, HB)
6.5 W without booster

RF BNC Connectors
- to antennas (for diversity reception)
- to transmitters (for IEM/IFB transmission), RF input at 0dBm

*Optical connectors depend on the BFL-T2 models (M0, M2 or M5), , see Optical Link Connection section