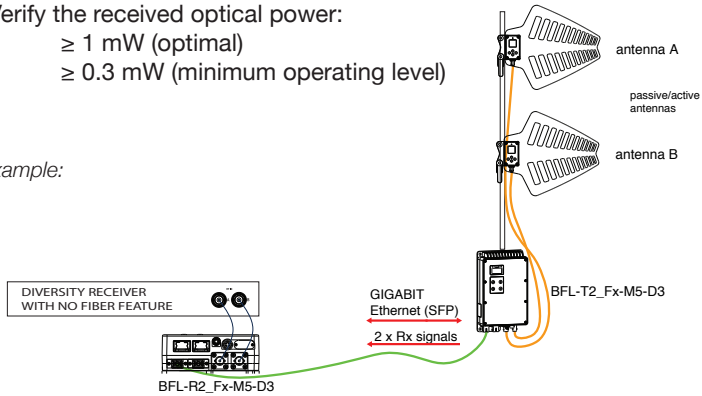


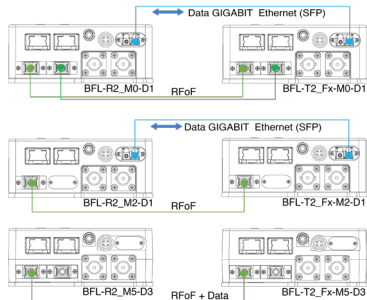
Wireless Microphone Reception Setup

- Power the BFL-R2 using the power supply provided in the package.
- Connect the receiver to the RF connectors using coaxial cables.
- Connect the optical connectors as described in the Optical Link Connection section.
- 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).
- Verify the received optical power:
 - ≥ 1 mW (optimal)
 - ≥ 0.3 mW (minimum operating level)

Example:



Optical Link Connection



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

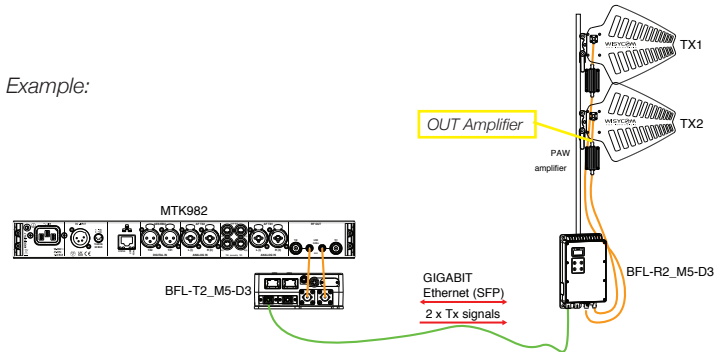
for M5 version connect
 - 1 fibers single mode SC/APC for RFoF and Data

BSTR-BFLR2-01_BFLR2-en-q01

Wireless IEM/IFB Transmission Setup

- Power the BFL-R2 using the power supply provided in the package.
- Connect the RF connectors using coaxial cables to the amplifier
- Connect the optical connectors as described in the Optical Link Connection section.
- 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).
 - If using PAW amplifiers or LBP/LNP amplified antennas: enable the booster and set the IFB gain (from -9dB to 4dB)
 - If using MPA4 amplifier: disable the booster and set the gain (from -9dB to 0dB)
 - If using another amplifier: disable the booster, set IFB amplifier gain and IFB gain verifying in the amplifier specifications
- Verify the received optical power is ≥ 0.3 mW

Example:



Reference power level:

Amplifier Type	BFL-R2 Gain dB setting	OUT Amplifier Power level	Amplifier Type	BFL-R2 Gain dB setting	OUT Amplifier Power level
PAW	-9 dB	12.5mW	MPA4	-9 dB	125mW
PAW	-3 dB	50 mW	MPA4	-6 dB	250 mW
PAW	0	100 mW	MPA4	-3 dB	500 mW
PAW	+3 dB	200 mW	MPA4	0 dB	1000 mW
PAW	+4 dB	250 mW			

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
---	---	---
Pwr:3.2mW	Pwr:3.2mW	Optical Power
IFB	IFB	Mode IFB

ANT operating in reception
 (wireless microphone)

A Zone1	B Zone2	Name
+2.00 dB	+2.00 dB	RF Gain
Pwr:3.2mW	Pwr:3.2mW	Optical Power
ANT	ANT	Mode ANT

Link Status Led

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

Menu Button

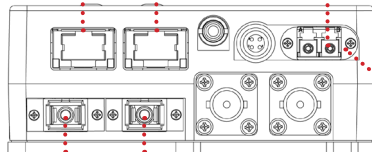
Press this button to enter the main menu and select menu options.
Press to **SAVE**.

Exit Button

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

Gigabit ETH ports and integrated fiber

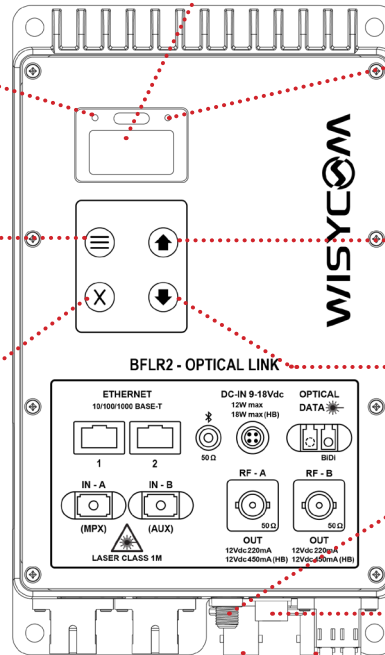
- for remote control via Wisycom Manager
- for remote antenna control
- for Dante /ShowLink


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 10.8 W with booster (16W, HB) 5.2 W without*

RF BNC Connectors

- to receiver (for diversity reception)
- to amplifiers PAW or MPA4 (for IEM/IFB transmission)

*Optical connectors depend on the BFL-R2 models (M0, M2 or M5) , see Optical Link Connection section