



## RB-AUDIO02-SFP

2x XLR balanced audio ports  
(one-way and two-way)

The RB-AUDIO02 set is designed to transport two independent XLR balanced audio channels either unidirectionally or bi-directionally over fiber optic, with high fidelity and with a universal, no setting, plug and play approach. The optical port is an SFP slot and can be populated by any common Gigabit Ethernet SFP. Bi-Directional SFPs are recommended, but common two strand as well as CWDM or DWDM SFPs can be used. LED indicators signal the power status and fiber link status of each converter.

### Features

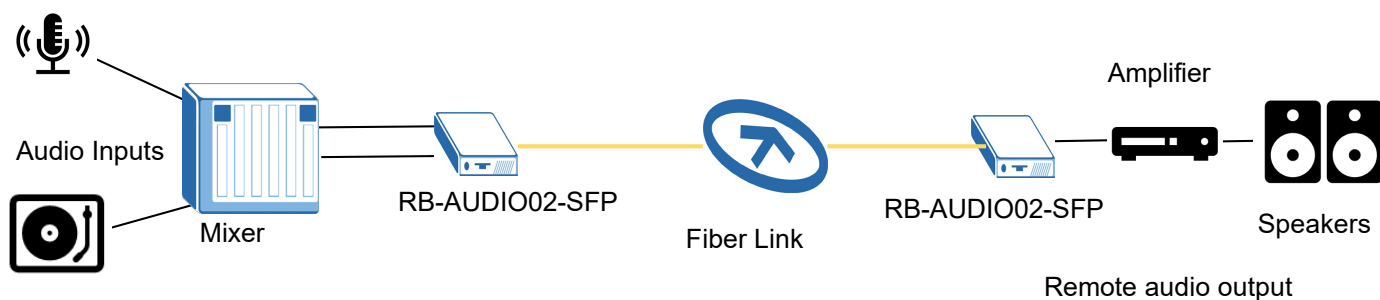
- 2x XLR Audio ports to fiber
- Multiplexes XLR Audio channels over fiber
- Uses transformer and photoelectric coupler for electrical isolation
- Supports any Gigabit rate SFP transceiver
- No compression, no delay, high fidelity speech sampling rate
- Plug and play design, no settings required
- LED signals for power and fiber status information
- All metal casing, hardened design for extreme temperature

### Specifications

Optical Interface	Connector	SFP slot (LC conn. usually)
	Data rate	optical 1.25G (GE)
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm or SM 9/125μm
	Distance	dictated by the SFP transceiver
Electrical Interface	Wavelength	as per SFP (BiDi, CWDM, DWDM)
	Connector	2x XLR balanced audio
	Audio signal	0.5~4Vp-p
	Dynamic bandwidth	101 dB
	THD	-90dB Total Harmonic Distortion
	Sampling frequency	192kHz
	Audio A/D sampling	24 bit
	Signal to noise (SNR)	100 dB
	Audio I/O impedance	600 Ohms
	Audio max I/O vltg.	0~4V / 0~2.5V
	Audio gain	+/- 0.1dB
	Maximum input level	9.5dBm
	Non-linear distortion	<0.2%

Standards	XLR balanced audio high fidelity
Indicators	LED (Power, Fiber Link)
Power Input	Adapter Type: DC 12V/1A
	Power Input : AC 100 ~ 240V, 50-60Hz
	Power plug: US 2 blade, type A connector
Power Consumption	< 8W
Dimensions (D x W x H)	104 x 104 x 28mm (AC adapter jack not included)
Weight	Adapter : 90g
	Converter : 300g
Temperature	-20 ~ 70°C (Operating), -40 ~ 85°C (Storage)
Humidity	10 ~ 90% non-condensing
Certifications	CE, FCC
MTBF	95,000 hrs

### Application



### Ordering Information

Model Name	Description
RB-AUDIO02-SFP	2x XLR balanced audio ports to fiber extender set, one-way, SFP slot, AC adapter included
RB-AUDIO02BIDI-SFP	2x XLR balanced audio ports to fiber extender set, two-way, SFP slot, AC adapter included