

16 Channel Forward XLR Balanced Audio Over Fiber Converters

➤ Features

- Support 16 channel forward XLR balanced audio Over fiber;
- Plug-and-play, easy to install;
- Support fiber connector FC/ST/SC optional;
- Single mode, single fiber can reach up to 20km;
- Support External power DC12V;
- LED indicators for easy diagnosis and monitoring work status;
- Wide range of operational temperature(-20°C ~75°C);
- Support Stand-alone or rack-mount installation;
- Warranty: 3 years;



➤ Introduction

UPCOM UP-XLR-16CH-20 balanced audio over fiber converters transmit 16 channel balanced line-level XLR broadcast-grade audio signal up to 20km through a single mode fiber. The device consists of a transmitter and receiver that support 16-bit digitally encoded broadcast audio for use on a single mode optical fiber.

XLR balanced audio to fiber converters are commonly used in Rental, Staging, Theater, Stadiums, Theme Park, Broadcast/Studio, CCTV audio and Professional AV applications, and can be used in stand-alone or rack-mount installations. The plug and play design ensures adjustment-free installation and operation, and optical adjustments are never required. Provide LED indicators to monitor the running status of the system in real time.

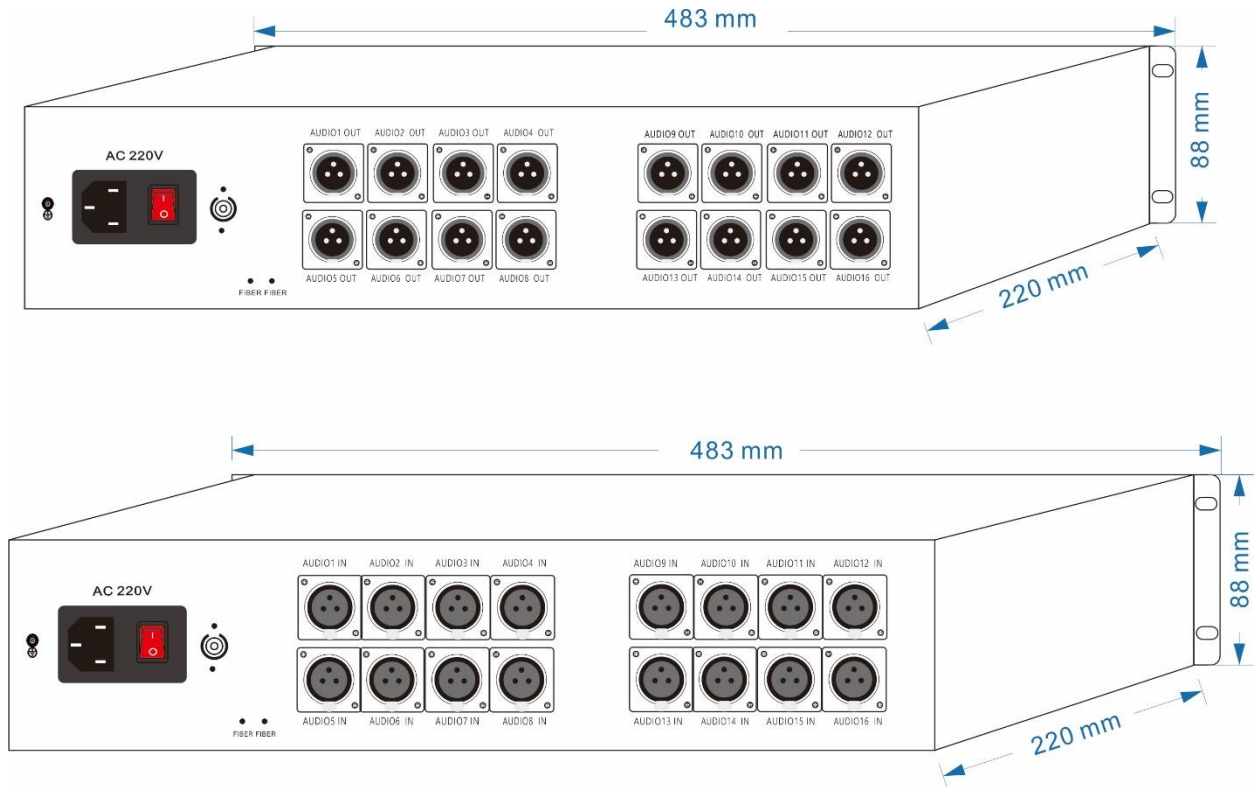
➤ Application

- HD monitor transmission and power supply
- Security protection system, TV medical treatment
- Network telephone transmission, Intelligent house and home system
- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Long-distance Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com project
- Smart City

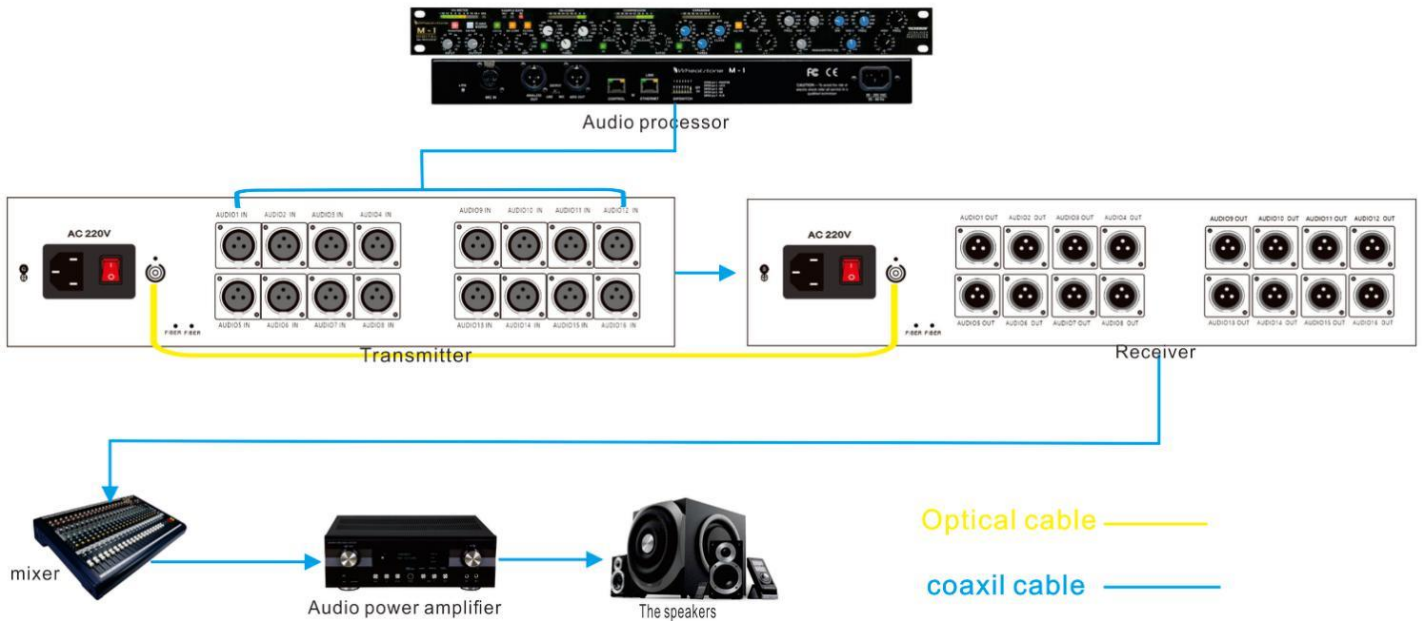
➤ Specification

Optical	
Wavelength	1310nm&1470nm~1610nm
Output Power	-1~ -8dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-24dBm
Optical connector	FC/ST/SC (optional)
Distance	0~20KM/40KM/60KM/80/100KM (Single Mode)
Balanced Audio	
Number of Channels	16
Input Connector	XLR (female)
Output Connector	XLR (male)
Input / Output Impedance	10K Ohm
Input Capacitance LINE Inputs	10 pF
Max Input/output Voltage	1.228Vp-p (+4dBu)
Frequency Response	10 Hz~ 24kHz @±3dB
Sample Rates From	48kHz
SNR	> 80dB
Electrical & Mechanical	
Power	DC12V, 4A
Power Adapter	AC 100V~240V
Power Consumption	< 20W
Dimensions	483mm × 220mm × 88mm
Weight	6kg(include Transmitter & Receiver)
Environmental	
Working Temperature	-20 °C ~65°C
Storage Temperature	-40°C ~85°C
Relative Humidity	0%~95% (no condensation)
MTBF	100,000 hours
Warranty	3 Years

➤ Dimension



➤ Connection



➤ Ordering Information

Model NO.	Description
UP-XLR-16CH-20	16 channel forward XLR balanced audio converter, DC12V, FC, Single Fiber, 20km
UP-XLR-16CH-40	16 channel forward XLR balanced audio converter, DC12V, FC, Single Fiber, 40km
UP-XLR-16CH-80	16 channel forward XLR balanced audio converter, DC12V, FC, Single Fiber, 80km
UP-XLR-16CH-100	16 channel forward XLR balanced audio converter, DC12V, FC, Single Fiber, 100km

➤ Packing List

- XLR Balanced Audio Over Fiber Converter *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1