

Audio Distribution Transmitter

AM-1004

Fiber Optic Audio Distribution

The **Litelink**® AM-1004 is an optical transmitter that converts an electrical line level audio input signal into four individual optical output signals for distribution over separate fiber optic cables to AR-1001 receivers. Multiple AM-1004 units may be “daisy-chained” when more than 4 output channels are required.

Photo pending

The AM-1004 is fully compatible with the AR-1001. Integral indicators are also provided to continuously indicate the presence of audio signals as well as the presence of operating power making system troubleshooting simple.

Technical Specifications

Signal Bandwidth	30 Hz to 100 KHz (+0,-3dB)
Input Impedance	600 ohms
Input Level	3 volts pp maximum, 5 mA
Signal/Noise Ratio*	60 dB minimum (ref 1Vpp)
Linearity and THD	3% typical
Operating Wavelength	850, 1310 or 1550nm
Optical Output Power (typ)	-16dBm (multimode) -16dBm (single-mode)
Optical Loss Budget	0-12dB (multimode) 0-12dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connector	removable terminal block
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217D)	>120,000 hours
Power Requirements	11-24 VAC/DC @350 mA
Physical Size (mm)	7.0" (178) x 3.0" (76) x 1.0" (25.4)

*Measured with 1Km of 62.5u multimode fiber.

Note that all specifications are subject to change without prior notice.

Important Features

- **Cost-effective**
- **4 Optical Outputs**
- **Signal & Power Indicators**
- **Stand-alone, DIN or Rack Mountable (same unit)**

Ordering Information

Four Channel Optical Transmitter;

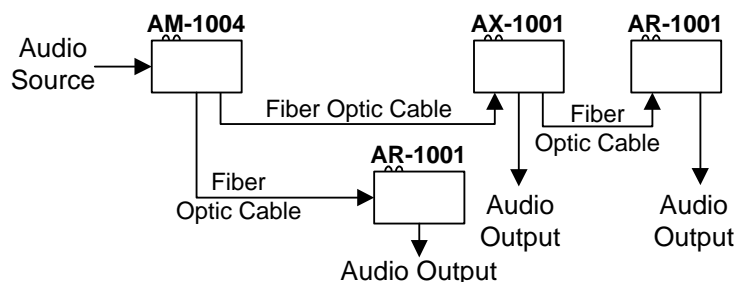
AM-1004-X

“X” = Wavelength/Fiber
-1 = 850nm Multimode, ST
-3 = 1310nm Multimode, ST
-7 = 1310nm Single mode, FC

For stand-alone operation order a PS-1205 power supply for each unit.

For rack mounted operation all operating power is provided by the power supply used with the rack panel.

Typical Fiber Optic Audio Distribution System



Litelink®

Fiber Optic Transmission Systems

www.LiteLink.com
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