

Audio Transmission System

AT/AR-1001

Fiber Optic Audio Transmission

The **Litelink**® AT/AR-1001 system consists of the AT-1001 transmitter and AR-1001 receiver. The system provides high quality line level audio signals for a multitude of applications including public address systems, intercoms and general-purpose audio point-to-point distribution systems.

Both multimode and single-mode versions are available and installation requires just a single one-minute adjustment. In addition, integral indicators are provided on both units to continuously indicate the presence of audio signals as well as operating power making system troubleshooting simple.



Technical Specifications

Audio Bandwidth	30Hz to 50KHz (+0,-3dB)
Input / Output Impedance	600 ohms
Input /Output Configuration	balanced or unbalanced
Input / Output Level	3 volt pp (1volt rms)
Signal / Noise Ratio*	60 dB minimum
Linearity and THD*	3% maximum
Operating Wavelength	850, 1310 or 1550nm
Optical Loss Budget	0-12 dB (multimode) 0-12 dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217D)	>120,000 hours
Power Requirements	11-24 VAC/DC @150 mA
Physical Size (mm)	5.0" (127) W x 1.0" (25.4) H x 3.0" (76) L (x 7" long for the AM-1004)

* Measured with 1Km of 62.5u multimode fiber.

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

Important Features

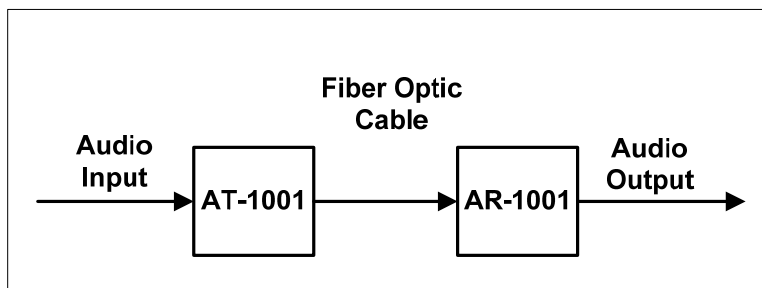
- **Cost Effective**
- **12 dB Loss Budget**
- **Signal & Power Indicators**
- **Stand-alone, DIN or Rack Mountable (same unit)**

Ordering Information

Transmitter	AT-1001-X
Receiver	AR-1001-X

"X" = Wavelength/Fiber
-1 = 850nm Multimode, ST
-3 = 1310nm Multimode, ST
-7 = 1310nm Single-mode, FC
-9 = 1550nm Single-mode, FC

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



Litelink®

Fiber Optic Transmission Systems

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