

DMX-512-RDM

DMX-7101

For DMX-512-RDM Signal Applications

The **LuxLink**® DMXT-7101 is specifically designed to transmit, receive and repeat the DMX-512-RDM protocol (ANSI E1.11-2008) signals at data rates from DC to 1Mb/s on optical fiber. The units may be used for point-to-point or in drop and repeat applications over distances of up to 3 miles.

The system operates with standard duplex multimode or single-mode optical fiber and installation only requires the connection of the various signal and fiber optic cables. There are no user adjustments. Indicators are also provided to continuously indicate the presence of repetitive signals as well as the presence of operating power making system troubleshooting simple.

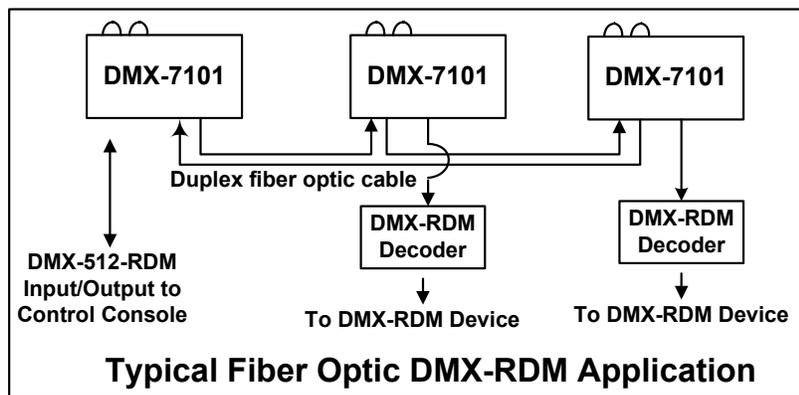


Technical Specifications

System Data Rate	DC to 1 Mb/s
Operating Mode	Simplex or Drop and Repeat
Interface/Protocol	RDM protocol (per ANSI E1.11-2008)
Optical Wavelength	850, 1310 or 1550nm
Fiber Optic Compatibility	Multimode or single-mode duplex fiber optic cables
Optical Connectors	ST (mm) or FCPC (sm)
Signal Connectors	5 pin standard XLR
Transmission Range	0 to 16,000 feet (5 km)
Number of Repeaters	10 maximum
Operating Temperature	-35° to +75°C
Power Requirements	11-24 VAC/DC @250 mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 2.23" (56.6)

Since the signal is reconstituted at each DMX-7101 transceiver the distance between units can be as long as 5 km.

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



Typical Fiber Optic DMX-RDM Application

Important Features

- **DC to 1 Mb/s Data Rate**
- **Range up to 10,000 feet**
- **Signal/Power Indicators**
- **Multimode or Single-mode Fiber Compatibility**
- **Stand-alone, DIN or Rack Mountable (same unit)**

Ordering Information

Transceiver DMX-7101-X

"X" = Wavelength/Fiber
-1 = 850nm Multimode
-3 = 1310nm Multimode
-7 = 1310nm Single-mode

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

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

LuxLink®

Fiber Optic Transmission Systems

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