

Features

- 40 audio channels over one optical fiber or wavelength.
- Exceeds RS-250C Short-haul and Broadcast specifications.
- TASCAM DB25 Standard I/O Interface
- Stand Alone or Rack Mount.
- Dual Version for 80 Channels on TWO Fibers or 40 Bi-Di Channels.
- 40 Channels in 1/2 RU, 80 Channels in 1RU
- Optical budget of up to 30 dB for Single-mode.
- SEVEN year warranty

Applications

- Audio Snake
- Mixing Board Stage
- Audio Trunking



The Spider40 series is ideal for applications where up to 40 high quality audio channels need to be sent over fiber such as concerts, live productions, recording studios, church production, staging, theatrical productions, studio to transmitter (STL), studio to studio, common carrier, RBOC Telco circuits, distance learning and back-haul feeds from special events. Featuring full 20Hz to 20KHz audio bandwidth, S/N of 90dB and a THD of 0.05% the Spider40 series meets the rigorous broadcast industry standards.

TASCAM DB-25 with optional XLR fanout, permits quick and easy connections. Monitor and control functions include audio and optical front panel status indicators with dry alarm relay contacts.

The Spider40 is a compact unit designed for stand alone, wall mount or rack-mount applications. Advanced CWDM technology is available which enables up to 16 units to be put on one strand of fiber.

SPECIFICATIONS

Signal to noise.....	> 90 dB
Frequency response to 20 Hz to 20 KHz.....	< +/- 0.1 dB
Distortion.....	< 0.05 %
Audio output level, adjustable	Unity, +/- 6 dBm
Maximum input & output level, 600 Ohm termination.....	+18 dBm
Audio output impedance, balanced	50 Ohms
Audio input impedance, balanced (selectable).....	600 Ohms or High
Power dissipation	< 25 Watts, per unit
AC operation	110 or 220VC
Operating temperature	0 to +50 °C



ORDERING INFORMATION:

Sprider40-TX-50	40 Channel, 24 Bit Audio Fiber Optic Transmitter Multiplexer; exceeds RS-250C Short-haul specs. with 1310nm Singlemode Laser -8 dBm with ST connector
Spider40-TX-52	40 Channel, 24 Bit Audio Fiber Optic Transmitter Multiplexer; exceeds RS-250C Short-haul specs. with 1310nm Singlemode Laser -3 dBm with ST connector
Spider40-TX-53	40 Channel, 24 Bit Audio Fiber Optic Transmitter Multiplexer; exceeds RS-250C Short-haul specs. with 1310nm Singlemode Laser +0 dBm with ST connector
Spider40-TX-6	40 Channel, 24 Bit Audio Fiber Optic Transmitter Multiplexer; exceeds RS-250C Short-haul specs. with 1550nm Singlemode Laser +0 dBm with ST connector
Spider40-TX-7-xxxx	40 Channel, 24 Bit Audio Fiber Optic Transmitter Multiplexer; exceeds RS-250C Short-haul specs. with CWDM 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610nm Single-mode Laser 0 dBm, SC connector.. Supports up to 16 wavelengths or channels per fiber optic cable.
Spider40-RX-50	40 Channel, 24 Bit Audio Fiber Optic Receiver Multiplexer; exceeds RS-250C Short-haul specs, Single mode PIN with ST connectors, Sensitivity -25 dBm.
Spider40-TX-2	40 Channel, 24 Bit Audio Fiber Optic Transmitter Multiplexer; exceeds RS-250C Short-haul specs. with 1310nm Multimode LED -14 dBm with ST connector.
Spider40-RX-2	40 Channel, 24 Bit Audio Fiber Optic Receiver Multiplexer; exceeds RS-250C Short-haul specs, Multi mode PIN with ST connectors, Sensitivity -24 dBm.

XLR-TASCAM Fan out assembly from TASCAM DB25 Standard to XLRs

Dual Spider40 in 80 Channel, 1RU Configuration.



**XLR Fan out from TASCAM
DB25 Standard**



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