

Setup Guide

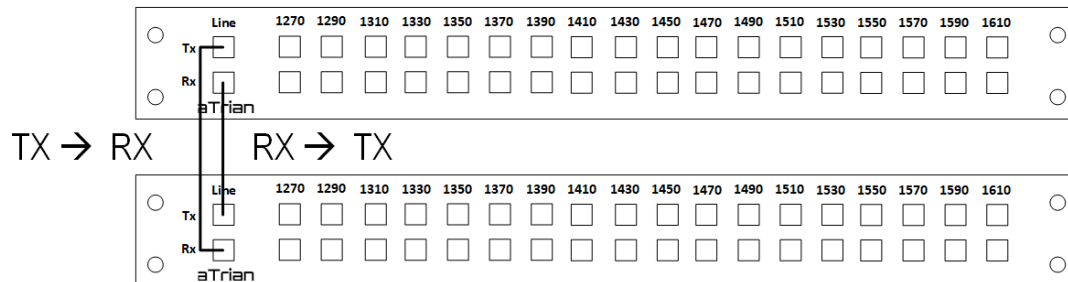
CWDM Solutions

CWDM Mux Demux Installation Manual

MUX/DEMUX CONNECTION SCHEME BETWEEN SITES

To install the fiber cables, do the following:

1. Remove the protective cover from the port.
2. Carefully insert the fiber cable into the MUX/DEMUX as shown

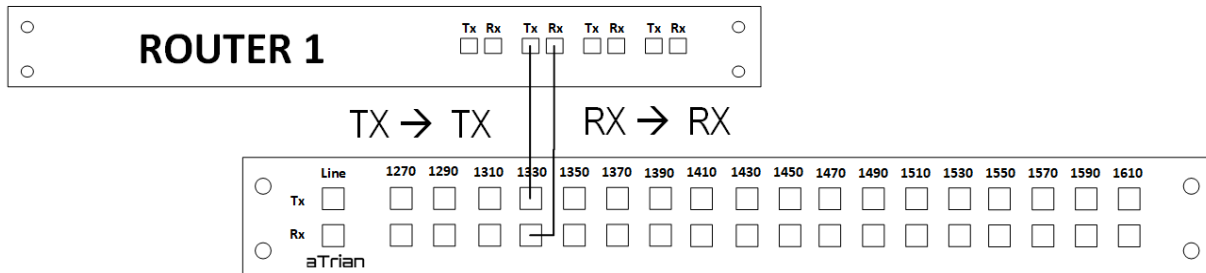


SIDE A	SIDE B
TX	RX
RX	TX

MUX/DEMUX CONNECTION TO ANY CHANNEL

To install the fiber cables, do the following:

1. Remove the protective cover from the port.
2. Carefully insert the fiber cable into the MUX/DEMUX as shown



SIDE A	SIDE B
TX	TX
RX	RX

HANDLING FIBER CABLES

Handling fiber cables accurate and repeatable data transmissions require clean fiber-optic connections; therefore, inspect the ends of all connectors for dust or imperfections. To achieve the best possible performance, follow these guidelines:

- To prevent damage, keep the connectors' protective cover on when not in use.
- Use care in handling all fiber-optic connectors.
- Visually inspect fiber ends for signs of damage.
- Always clean and inspect fiber connectors prior to making a connection

CLEANING PROCESS: INSPECT, CLEAN, RE-INSPECT, CONNECT

Fiber inspection and cleaning are simple steps with immense benefits.

Always inspect both connectors before mating. Mating dirty connectors will cross-contaminate both connectors. Hard contaminants will scratch and pit the ferrule end face. Inspect before mating to prevent permanent damage to connectors, reduce troubleshooting time, reduce material costs, and improve signal quality.

Make fiber optic cleanliness a priority. Develop inspection and cleaning procedures, and train your team regularly on how to inspect and clean your connectors.

Cleaning Best Practices: Many tools exist to clean fiber. Many companies have their own "best practices".

Dry clean first, then try wet cleaning. Always finish with a dry cleaning process.

IMPORTANT STANDARDS REGARDING END FACE QUALITY AND CLEANING

IEC 61300-3-35: Fibre Optic Interconnecting Devices and Passive Components – Basic Test and Measurement Procedures IEC 62627 (DTR): Fibre Optic Interconnecting Devices and Passive

Components – Fibre Optic Connector Cleaning Methods

IEC 61300-3-3 has developed zones for setting requirements for connector's endface quality.

IEC 62627 – DTR scope is intended to emphasize the need for cleaning fibre optic connectors as well as describing the some of the current tools and methods for proper cleaning.

IPC-8497-1 scope is intended to describe the methods of inspecting and cleaning all optical interfaces so their interconnectivity does not result in loss of optical signal. (IPC-8497-1 is a summary of both IEC standards (IEC 62627 – DTR and IPC-8497-1).

The IEC Standards are available for download from several sources including the [ANSI Standards Store](#).