



Myriad MD202T Rack-Mount Modem

Quick Start Guide

This document contains all the information you need to install the MD202T Rack-Mount Modem in the Raymar-Telenetics Myriad Modem Rack.

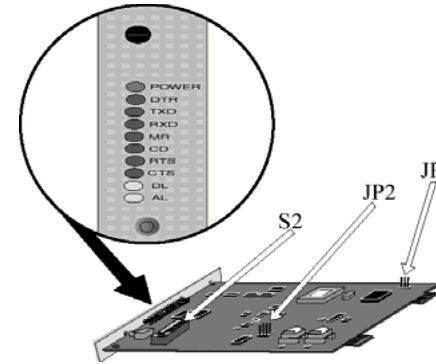
All other trademarks or registered trademarks listed belong to their respective owners.

1 Introduction

The Myriad MD202T Rack-Mount Modem is an industrial-grade, 0-1200 bps, asynchronous, 2 / 4-wire leased-line modem. It is designed for installation in a Raymar-Telenetics Myriad Rack-Mount Modem Bank.

2 Modem LEDs

The front panel of the modem has the following LEDs.



LED	Function
POWER	Power Indicator
DTR	Data Terminal Ready
TxD	Transmit Data
RxD	Receive Data
MR	Modem Ready
CD	Carrier Detect
RTS	Request to Send
CTS	Clear To Send
DL*	Digital Loopback
AL*	Analog Loopback

*When both DL and AL are ON, the modem sends a steady space.

3 Configuration Switches

The DIP switches marked S2 determine the modem operating characteristics.

S2	Setting															
Switch 1	Anti-streaming ON = 45 seconds OFF = Disabled (none)															
Switches 2 & 3	RTS/CTS Delay Time <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>SW2</th> <th>SW3</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>OFF</td> <td>1 ms</td> </tr> <tr> <td>ON</td> <td>OFF</td> <td>12 ms</td> </tr> <tr> <td>OFF</td> <td>ON</td> <td>35 ms</td> </tr> <tr> <td>ON</td> <td>ON</td> <td>50 ms</td> </tr> </tbody> </table>	SW2	SW3	Function	OFF	OFF	1 ms	ON	OFF	12 ms	OFF	ON	35 ms	ON	ON	50 ms
SW2	SW3	Function														
OFF	OFF	1 ms														
ON	OFF	12 ms														
OFF	ON	35 ms														
ON	ON	50 ms														
Switch 4	Transmit Center ON = On continuously OFF = Follows RTS															

S2	Setting
Switch 5	Lease Line 2/4-Wire Configuration ON = 2 wire OFF = 4 wire
Switch 6	Received Lease Line Termination ON = 600 Ohms Termination IN OFF = No line termination (22K)
Switch 7	Soft Carrier Mode ON = Soft carrier for 20 ms after RTS goes from ON to OFF OFF = Disabled (none)
Switch 8	Test Functions Only (Must be OFF)

4 Jumper Settings

The modem has the following jumpers.

Jumper	Setting
JP2	Transmit Level 1 & 2 = Transmit signal 0 dBm 2 & 3 = Transmit signal -10 dBm
JP3	Receiver Sensitivity 1 & 2 = -10 to -43 dBm 2 & 3 = 0 to -33 dBm

5 Rack-Mount Chassis Modem Connector

The back of the Myriad Rack chassis provides a female, DB-25 serial data connector for each installed modem. The connector's pin assignments correspond to the standard RS-232 pin assignments below.

Pin	Signal	Source
2	Transmit Data	DTE
3	Receive Data	Modem
4	Ready to Send	DTE
5	Clear to Send	Modem
6	Data Set Ready	Modem
7	Signal Ground	-----
8	Carrier Detect	Modem
20	Data Terminal Ready	DTE

6 Loopback Configuration

After the modem powers-up, it is in normal mode. Pressing switch **SW3** one or more times places it in one of the following modes.

Pressing SW3 ...	Causes the Modem to ...	Result
1 time	Enter analog loopback mode	All transmitted data loops back to the Receive Data port and Transmit Carrier remains ON.
2 times	Enter digital loopback mode	All transmitted data loops back to the Receive Data port and Transmit Carrier remains ON.
3 times	Send data in space mode	The Transmit Carrier signal and remote CD and RxD signals are all ON.

The table below shows the status of the **AL** and **DL** LEDs for these modes.

Modes	LEDs	
	AL	DL
Normal	OFF	OFF
Analog Loopback	ON	OFF
Digital Loopback	OFF	ON
Transmit Data in Space Mode	ON	ON

Contacting Raymar-Telenetics

To obtain product information or Customer Service, contact Raymar-Telenetics using any of the following ways:

Web site: www.raymarinc.com / Voice: (916) 783-1951 / Fax: (916) 783-1952

Customer Service is available Monday through Friday, between 8:00 am and 5:00 pm Pacific Standard Time.