
MultiConnect™ SS
MultiConnect™ SE

Serial-to-Serial Device Server
Serial-to-Ethernet Device Server

Quick Start Guide



Serial-to-Serial Device Server (MTS2SA-T & MTS2SA-T-R)
Serial-to-Ethernet Device Server (MTS2EA & MTS2EA-R)
Quick Start Guide, 82010724 Rev. E

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Revision	Date	Description
D	05/04/05	Added more graphics, handling precautions, more power pin text.
E	01/30/08	Updated the Technical Support section. Changed the panel mounting screw separation measurement.

Trademarks

MultiConnect is a trademark of Multi-Tech Systems, Inc. All other brand and product names mentioned in this publication are trademarks or registered trademarks of their respective companies.

Patents

This device is covered by one or more of the following patents: 6,031,867; 6,012,113; 5,628,030; 5,450,425. Other patents pending.

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Introduction

This guide shows you how to setup your MultiConnect. It is available in the following builds:

Adapter	Product Description	Region
Serial-to-Serial + IP	MTS2SA-T (External Power)	Global
Serial-to-Serial + IP	MTS2SA-T-R (RS-232 Power)	Global
Serial-to-Ethernet + IP	MTS2EA (External Power)	Global
Serial-to-Ethernet + IP	MTS2EA-R (RS-232 Power)	Global
The MTS2SA-T-R and MTS2EA-R (RS-232 Powered) Adapters require power to be supplied into Pin 6 of the female DB9.		

MultiConnect Documentation

See the User Guide for more information including product descriptions and specifications. See the Command Line Interface Reference Guide for configuration commands and setup examples. These guides are available on the MultiConnect CD and Multi-Tech's Web site at www.multitech.com.

Package Contents

- One MultiConnect Device Server
- One universal power supply with power cord included (Included with the MTS2SA-T build and the MTS2EA build)
- One RS-232 cable
- One mounting bracket
- Four adhesive-backed rubber feet (table-top mounting)
- One Quick Start Guide
- One MultiConnect CD

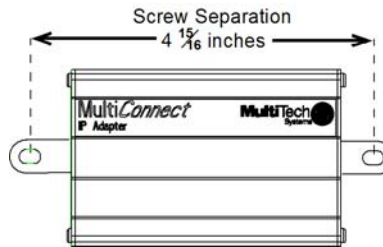
Handling Precautions

All devices must be handled with certain precautions to avoid damage due to the accumulation of static charge. Although input protection circuitry has been incorporated into the devices to minimize the effect of this static buildup, proper precautions should be taken to avoid exposure to electrostatic discharge during handling and mounting.

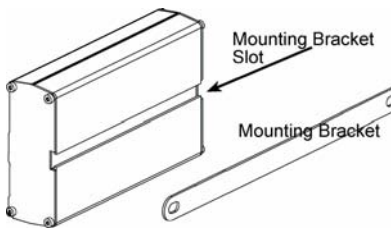
Attaching the MultiConnect to a Fixed Location

The MultiConnect is design to be used on the desktop or to be panel-mounted. To attach the brackets for panel-mounting, following these steps:

1. Typically, the MultiConnect is mounted against a flat surface with two mounting screws. Drill the mounting holes at the desired mounting location. The mounting holes must be separated by 4-15/16 inches center-to-center.

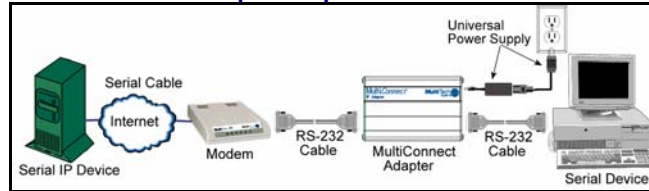


2. To attach the brackets to the MultiConnect, slide the mounting brackets into the corresponding slots on the back of the MultiConnect chassis.



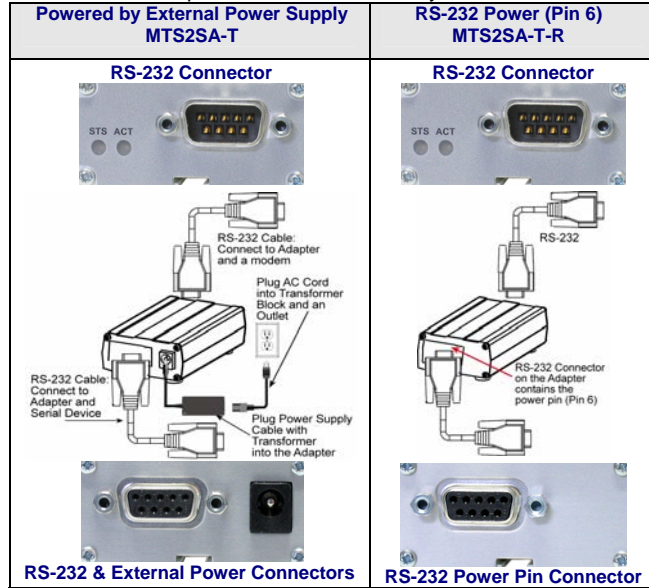
3. Attach the device to the surface with two screws.

Serial-to-Serial Setup Example

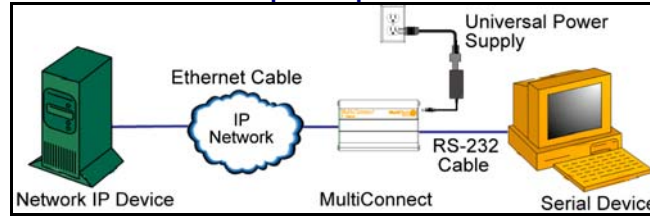


Serial-to-Serial Power Supply Connection:

MultiConnects are powered in one of two ways:

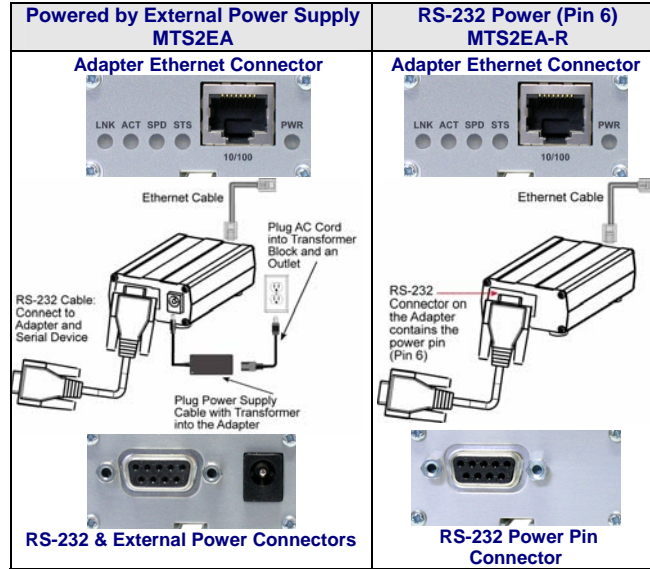


Serial-to-Ethernet Setup Example



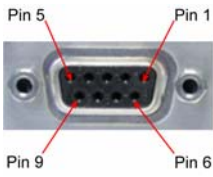
Serial-to-Ethernet Power Connections

Powered in one of two ways:



Pin Functions of the Female End Connector

The following tables explain the pins functions.

External Power		Multi-Tech MultiConnect Female Connector	With RS-232 Power Through Pin 6	
Signal	I/O		Signal	I/O
Pin 1 CD	O		Pin 1 CD	O
Pin 2 TX	O		Pin 2 TX	O
Pin 3 RX	I		Pin 3 RX	I
Pin 4 DTR	I		Pin 4 DTR	I
Pin 5 GND	-		Pin 5 GND	-
Pin 6 DSR	O		Pin 6*	Power
Pin 7 CTS	I		Pin 7 CTS	I
Pin 8 RTS	O		Pin 8 RTS	O
Pin 9 RI	O		Pin 9 RI	O


Warning:

When supplying power to the RS-232 connector, make sure the power does not feed the DTE device.

*Pin 6 Input Power and Power Consumption

@ 5V DC: Typical 190mA Maximum 245mA
 @ 10V DC: Typical 100mA Maximum 120mA
 @ 15V DC: Typical 69mA Maximum 83mA
 @ 20V DC: Typical 54mA Maximum 65mA
 @ 25V DC: Typical 45mA Maximum 55mA

Pin Functions of the Male End

RS-232		Multi-Tech MultiConnect Male Connector
Signal	I/O	
Pin 1 CD	I	
Pin 2 RX	I	
Pin 3 TX	O	
Pin 4 DTR	O	
Pin 5 GND	-	
Pin 6 DSR	I	
Pin 7 RTS	O	
Pin 8 CTS	I	
Pin 9 RI	I	

Two Ways to Login

Login Using Telnet Client

- Use Telnet Client to configure the MultiConnect for the first time. Type the default IP address of the Device Server: **192.168.2.1**.

Note: The workstation must be on the same subnet.

- At the Login prompt, type `admin`.
At the Password prompt, type `admin`.
Important: User Name and Password are case-sensitive. They must be typed in lowercase letters.

Login Using TTY

Use a terminal program, such as HyperTerminal, to access the serial port.

- Use TTY to configure your Adapter for the first time. Configure the workstation's serial port to the defaults listed below:

Baud: 115.2K
Data: 8
Parity: N
Stop: 1
Flow-Control: None

- Press the Enter key three times to get to the Login prompt.
- At the Login prompt, type `admin`.
At the Password prompt, type `admin`.
Important: The User Name and Password are case-sensitive. They must be typed in lowercase letters.

