

Introduction

This guide covers the basic installation and configuration of your BLACK BOX® Terminal Server. It is intended for systems administrators.

The following are the steps needed to setup the Terminal Server.

1. Verify that you have all the required parts
2. Setup the hardware
3. Power on the Terminal Server
4. Configure the Terminal Server

For detailed information, please refer to the *Terminal Server User's Guide* for your model.

Components

What's In the Box

- The Terminal Server
- Power cable
- A Quick Start Guide (this document)
- Administration cable (consisting of an RJ45-->DB9F adapter and a 3' RJ45 cable)
- Rack mount kit
- A CD-ROM containing documentation and firmware required to configure and operate the Terminal Server

What You Need to Supply

- Serial cable(s) to connect your serial devices to the Terminal Server
- An Ethernet 10/100/1000BASE-T cable to connect the Terminal Server to the network

Hardware Setup

Connecting Serial Devices

Please refer to the pin-out table for your model and ensure you have the appropriate cable for connecting your serial device to one of the RJ45 serial ports on the Terminal Server.

Pinout	EIA-232	EIA-422	EIA-485 Full Duplex	EIA-485 Half Duplex
1 (in)	DCD			
2 (out)	RTS	TxD+	TxD	DATA+
3 (in)	DSR			
4 (out)	TxD	TxD-	TxD-	DATA-
5 (in)	RxD	RxD+	RxD+	
6	GND	GND	GND	GND
7 (in)	CTS	RxD-	RxD-	
8 (out)	DTR			

Connecting the LAN

Connect the Terminal Server to the HUB or Switch that will provide the network connectivity.

Connecting the Power

Plug the supplied AC power cord into the power source. Dual power units will operate correctly with either or both power supplies connected to the power source.

Powering On Cycle

When the power is connected to the Terminal Server, the Power/Ready LED will cycle through several sequences and will end in a solid green once the unit is fully booted and ready to be configured.

If the LED is not solid green after two minutes, refer to the User's Guide for help identifying the reason.

LED Guide

Power/Ready—(Green/Yellow/Red)

- **Green:**
 - Solid = System Ready
 - Flashing = System is booting or dip switch is in console mode
- **Yellow:**
 - Flashing = Booting
- **Red**—Error condition (refer to the User's Guide for details)

Link/10/100/1000

- **Green**—10 or 100 Mbps
 - **Yellow**—Gigabit
 - **Off**—No LAN connection
- Activity**—Flashes for LAN RX/TX activity
- **Tx**—Flashes with transmit serial activity
 - **Rx**—Flashes with receive serial activity

Configuring the Unit

The CD-ROM provided with your Terminal Server includes software for configuring the unit. This software is designed for use on a Windows Operating System. For other Operating Systems, please refer to the Terminal Server User's Guide for methods of configuring the Terminal Server.

1. Insert the CD-ROM into the PC.
 - It should launch automatically. If it does not launch, open Windows Explorer and point to the CD-ROM Drive. Double click on the index file to launch the main page.

2. From the main page, select the Easy Config Wizard to launch the configuration wizard or alternatively, install the DeviceManager software and use it to configure the Terminal Server.

Default admin Password

You will be prompted by the software for the **admin** user password before being allowed to configure the Terminal Server.

The factory default password for the admin user is:

superuser (case sensitive)

You should change the admin password to restrict unauthorized access to the Terminal Server.

For additional methods of configuring your Terminal Server (i.e., HTTP, Telnet, SNMP), please refer to the User's Guide.



BLACK BOX®

Rack Mount

Quick Start Guide

BLACK BOX®
Rack Mount Quick Start Guide
Part No: 5500181-11
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- Advanced serial to Ethernet connectivity
- Universal, software selectable
EIA-232/422/485 interface (Secure Device
Server models only)
- Gigabit Ethernet
- 15 KV ESD protection
- Next Generation IP support (IPV6)