Introduction

This guide covers the basic installation and configuration of an IP address for the SIXNET Device Server. It is intended for systems administrators familiar with UNIX and/or Windows 98/NT/ME/2000/2003/XP operating systems, and Ethernet TCP/IP networks.
For more information, refer to the *SIXNET DS1 User's Guide* or the *SIXNET SDS1 User's Guide* for your Device Server model.

Components

What's Included

- The Device Server
- A CD-ROM containing documentation, firmware, DeviceManager, etc.

What You Need to Supply

Before you can begin, you need to have the following:

- A serial cable
- An ethernet 10/100BASE-T cable if you are connecting the Device Server to the network or are powering a P series model (power over ethernet) through ethernet
- External power supply

Powering On the Device Server

Before you attach the Device Server to your network or try to configure it, we suggest that you power it up to verify that it works properly. To power up the Device Server, perform the following steps:

1. Plug the external power supply into the Device Server and then into the electrical outlet.
2. If the Device Server is working correctly, you should see:
   a. The Power/Ready LED starts out red
   b. The Power/Ready LED flashes green while the Device Server boots up
   c. The Power/Ready LED stays solid green, indicating that it is ready to configure/use

If this test works correctly, you are now ready to begin communicating with your SIXNET Device Server. The last step of the quick installation process is to set an IP address for the Device Server; this is necessary before it can be configured and put into production.

LED Guide

The Device Server LEDs display the following information:

- **Power/Ready**—(Green/Red) Shows red at power up. If the LED remains red, there is a critical error (see the *Troubleshooting* chapter of the *User's Guide* for information on what to do if this happens). Next, the LED should flash green to indicate that the Device Server is booting. Lastly, the LED should stay a solid green to indicate that the Device Server is ready.
- **Link/10/100**
  - **Green**—10 Mbits
  - **Yellow**—100 Mbits
  - **Off**—no LAN connection
- **Activity**—Flashes Green for TX or RX data
- **Tx**—Flashes with transmit serial activity
- **Rx**—Flashes with receive serial activity

Summary of Installation

Two different installation methods are described below; however, there are several different methods that can be used. See the *SIXNET DS1 User's Guide* or the *SIXNET SDS1 User's Guide* for your Device Server model for other installation methods (included on the CD-ROM).

Easy Config Wizard

When you insert the CD-ROM into your Windows-based computer, the Easy Config Wizard will launch automatically. You can use the Easy Config Wizard to assign an IP address and configure your Device Server's lines for any of the following:

- *Printers
- Raw TCP (Dir Raw)
- Terminal Management (Dir Telnet)
- Console Management (Rev Telnet)
- *Secure Console Management (Rev SSH)

*SDS model only

If you want to configure the Device Server for another purpose, install and run the DeviceManager, a complete configuration/management application.

DHCP

If you have a DHCP server on your network, you can assign an IP address to the Device Server by doing the following:

1. Connect the Device Server to the network using a standard ethernet cable.
2. Plug the Device Server in and wait for it to boot up.
3. Look up the IP address assigned to the Device Server from the DHCP server with the Device Server MAC address found on the bottom of the Device Server.

Default admin Password

The first time you try to login to the Device Server, use the following values:

User: **admin**
Password: **superuser**.

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

What's Next

Now that you have assigned the Device Server an IP address, you are ready to configure the server, lines, users, etc., for your production environment. You can configure the Device Server using any of the following methods:

- DeviceManager, a Windows-based configuration/management application.
- Menu, a windows-like configuration application.
- CLI, a command line interface configuration/management application.
- WebManager, a web browser configuration/management application.
- SNMP, configure/manage the Device Server.
- BOOTP/DHCP, specify configuration information.

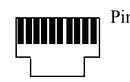
About the DeviceManager

The DeviceManager is our flagship configuration application (it can be installed from the CD-ROM) that can be used to assign an IP address to a new Device Server, configure Device Server parameters, view Device Server statistics, and manage a Device Server.

Cabling Diagrams

See the *User's Guide* for cabling diagrams for each of the connection options.

RJ45 10-Pin Pinouts



The following table is for a 10-pin RJ45 connector. If you are using an 8-pin connector, then map Pin 1 in the 8-pin connector to Pin 2 in the 10-pin connector table.

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

The power in pin, pin 1, can be 9-30V DC.

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SIXNET EtherTRAK Device Server

Quick Start Guide

- Advanced serial to ethernet connectivity
- Universal, software selectable EIA-232/422/485 interface
- 15 KV ESD protection
- Next Generation IP support (IPV6)

SIXNET EtherTRAK Device Server
Quick Start Guide
Part No: ET-DS-QUICKSTART