SecureBox SDS1100 & SDS2100

900-350 Rev. A 4/04

SecureBox SDS1100 & SDS2100
Quick Start Guide

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SecureBox SDS1100 & SDS2100

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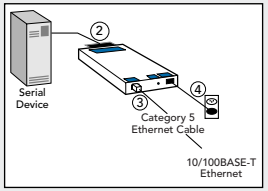
The SDS1100/2100 allows serial devices to securely connect to and communicate over an Ethernet network.

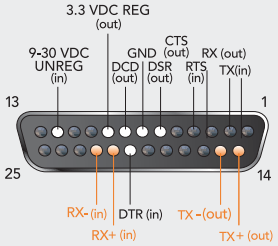
This Quick Start explains how to connect, configure, and troubleshoot your unit using a network connection and our DeviceInstaller software. For more detailed information or alternative configuration methods, refer to the SDS1100/2100 User Guide on the CD.

Ethernet, Power, and Serial Connections



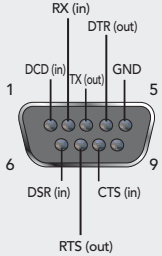
SDS1100/2100 PINOUTS

SDS1100 Pinout



(RS-232C) (RS485/422)

SDS2100 Pinout



IP ADDRESSING

Your unit must have a unique IP address on your network. Two ways to assign an IP are described below.

DHCP

Many networks use an automatic method of assigning an IP address called DHCP. If you are unsure whether your network uses DHCP, check with your systems administrator.

The SDS1100/2100 looks for a DHCP server when it first powers up. The SDS1100/2100 has acquired an IP address if the red LED stops flashing and the green Status LED is on continuously. You can use the DeviceInstaller software to search the network for the IP your unit has been assigned by the DHCP server and add it to the list of Lantronix devices on the network. (See Add the Unit to the Manage List.)

If the SDS1100/2100 does not acquire an IP, or you do not use DHCP, you must assign a fixed IP address.

FIXED IP ADDRESS

In most installations, a fixed IP address is desirable. The systems administrator generally provides the IP address.

The IP address must be within a valid range, unique to your network, and in the same subnet as your PC. You'll need the following information before you set up the unit as described in Assign IP Adress.

IP Address: _____ _____ _____ _____
Subnet Mask: _____ _____ _____ _____
Gateway: _____ _____ _____ _____

CONNECT

1. Connect your Ethernet cable to the 10/100 Base-T Ethernet port on the unit and attach the other end to the network drop.
2. Connect external power supply (9 to 30 VDC, 2W maximum).
3. Confirm that one of the Link LEDs lights up. (Top LED is 10Mbps link/activity, second LED is 100Mbps link/activity.)

INSTALL THE DEVICEINSTALLER GUI

1. Insert the CD into your CD-ROM drive.
   If the CD does not launch automatically:

   a) Click the **Start** button on the Task Bar and select **Run**.

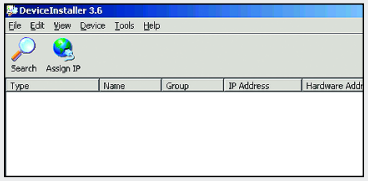
   b) Enter your CD drive letter, colon, backslash, device_installer, backslash, **DeviceInstaller.exe** (e.g., **E:\device_installer\.DeviceInstaller.exe**).

2. Respond to the installation wizard prompts.

ASSIGN IP ADDRESS AND NETWORK CLASS

1. Click the **Start** button on the Task Bar and select **Programs ➜ Lantronix ➜ DeviceInstaller ➜ DeviceInstaller.** The DeviceInstaller window displays.

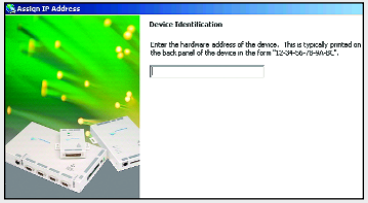
Figure 1. DeviceInstaller Window



2. Click the **IP** icon 

. The Assign IP Address window displays.

Figure 2. Assign IP Address Window



3. Enter the Hardware or Ethernet address of the device.

ASSIGN IP ADDRESS CON'T.

4. Select **Assign a specific IP address** to assign a static IP address to the device or select **Obtain an IP address automatically** to enable BOOTP, DHCP or Auto IP on the device. Click **Next**.

Figure 3. Assign IP Address Window

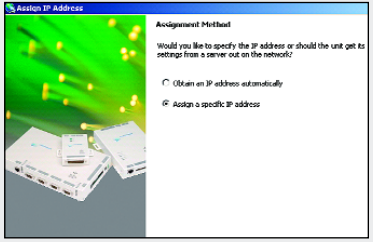
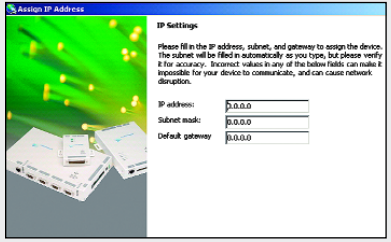


Figure 4. Assign IP Address Window

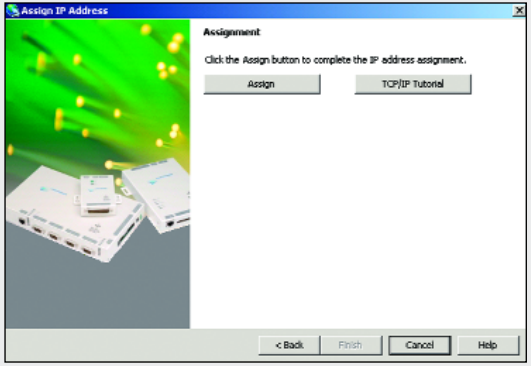


5. Input the IP address, Subnet mask, and Gateway being assigned to the device XXX.XXX.XXX.XXX format. Click **Next**.

ASSIGN IP ADDRESS CON'T.

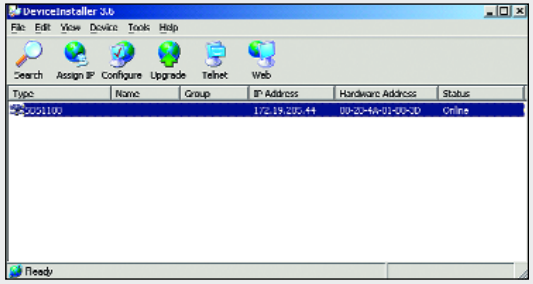
6. Click the **Assign** button to finalize the IP assignment.

Figure 5. Assign IP Address Window



CONFIGURE THE SDS1100/2100

Once the SDS is in the device list it can be configured via several options. Use the **Telnet** button to connect to the unit via telnet. Use the **Web** button to open the SDS web configuration pages.



Note: For details about configuration settings, see the SDS User Guide.

LEDS/TROUBLESHOOT

The unit contains the following LEDs:

- Power
- 10 Mbps Link/Activity (green)
- 100 Mbps Link/Activity (green)
- Diagnostics (red)
- Status Channel 1 (green)
- Status Channel 2 (green)

Simultaneously lit red and green LEDs mean something is wrong. If the red LED is lit or blinking, count the number of times the green LED blinks between its pauses. The following table explains the LED functions.

SERIAL LEDS	MEANING
10 Mbps link/activity steady green	**Valid 10 Mbps network connection**
10 Mbps link/activity blinking	**Network packets transmitting and receiving**
100 Mbps link/activity steady green	**Valid 100 Mbps network connection**
100 Mbps link/activity blinking	**Network packets transmitting and receiving**
Diagnostic steady red and status blinking green	**2 blinks = RAM error** **4 blinks = EEPROM checksum error** **5 blinks = Duplicate IP address on network**
Diagnostic blinking red and status blinking green	**5 blinks = No DHCP response**
Status steady green	**Serial port not connected to network**
Status blinking green	**Serial port connected to network**

CONTACT

For questions and technical support, please check our online knowledge base at www.lantronix.com/support

If you need additional help call us at:
(800) 422-7044 Domestic
(949) 453-7198 International
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Our phone lines are open from 6:00 AM - 5:30 PM Pacific Time
Monday through Friday excluding holidays.

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