

DeviceInstaller User Guide

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1: Description and Specifications

About the User Guide

This guide details the configuration and management of devices using the DeviceInstaller. It is intended for Network Administrators responsible for the configuration and maintenance of devices on the network.

DeviceInstaller Overview

The DeviceInstaller is an all-in-one utility for setting up various Lantronix devices on a network. It auto-detects any devices on the network and allows configuration of network and serial port settings. As a management tool, the DeviceInstaller allows for device monitoring and status verification.

System Requirements

- Windows XP, Windows 2000, Windows NT4.0 (with service pack 6.0a or later), or Windows 98
- Internet Explorer 5.01 or later
- 30MB hard drive space
- 64MB RAM

2: Installing the DeviceInstaller

Before installing the DeviceInstaller, ensure system requirements are met. Refer to *System Requirements* on page 1-1 for details.

Note: The installation adds Microsoft's .NET software onto the system.

To install the DeviceInstaller:

- 1. Insert the DeviceInstaller CD into the CD ROM drive.
- 2. If the CD does not launch automatically:
 - a. Click the Start button on the Task Bar and select Run.
 - b. Enter the CD drive letter, colon, backslash, **Launch.exe** (e.g., D:\Launch.exe).
- 3. The DeviceInstaller Setup Wizard opens to guide the installation process. Click **Next** to open the Select Installation Folder window.
- The Select Installation Folder window prompts for a destination folder for the installation. Click **Browse** to change the default destination. Click **Next** to open the Confirm Installation window.
- 5. From the Confirm Installation window, click **Next** to begin the installation. The Installation Complete window displays when the installation is finished.
- 6. Click Close to exit.

3: Adding a Device to the List

The DeviceInstaller displays a list of the devices on the network. When the DeviceInstaller initially starts, the device list is empty. Devices may be added by performing a search for the devices on the network or by adding them manually.

Note: Optionally, if more than one network adapter exists on the PC, select an alternative adapter. All network communication uses the selected adapter. Refer to Choosing the Network Adapter for Communication on page 7-3 for more information.

This chapter includes the following topics:

Торіс	Page
Search for all Devices on the Network	3-1
Manually Add a Device to the Device List	3-1

Search for all Devices on the Network

The Search tool finds all devices within the local area network and adds them to the device list.

1. From the main toolbar, click **Search** . It may take several seconds for the list of devices to display in the device list.

						×
<u>File Edit View Devi</u>	ce <u>T</u> ools <u>H</u> elp					
Search Assign IP						
Туре	Name	Group	IP Address	Hardware Address	Status	^
SC53200	SCS_550001		172.19.0.103	00-80-A3-55-00-01	Online	
SC53200	SCS_57065A		172.19.21.51	00-80-A3-57-06-5A	Online	
SEETS32PR	ETS_533B09		172.19.15.100	00-80-A3-53-3B-09	Online	
ET532PR	ETS_248DB8		172.19.11.23	00-80-A3-24-8D-B8	Online	
SCS1600	DM_SCS1600		172.19.18.240	00-80-A3-57-06-AA	Online	
SCS1600	SCS_5704BE		172.19.11.50	00-80-A3-57-04-BE	Online	
SC5200	SCS_565AD1		172.19.244.102	00-80-A3-56-5A-D1	Online	
5CS200	SCS_5600E5		172.19.21.114	00-80-A3-56-00-E5	Online	
SS100	MSS_212F68		172.19.11.22	00-80-A3-21-2F-68	Online	
5C5400	SCS_6223B5		172.19.244.104	00-80-A3-62-23-B5	Online	
SEMSS-VIA	MSS_5102A9		172.19.11.125	00-80-A3-51-02-A9	Online	
SLC48			172.19.215.22	00-00-00-00-00-00	Online	
SLC48			172.19.234.10	00-30-31-FF-FF-14	Online	
SecureLinx Conso			172.19.218.16	00-30-31-FF-FF-0E	Online	
XPress .NET			172.19.100.28	00-20-4A-50-55-4C	Online	
See XPort			172.19.238.8	00-20-4A-80-02-D9	Online	
Micro-100			172.19.238.3	00-20-4A-FF-FF-03	Online	
WiPort			172.19.213.89	00-20-4A-FF-FF-36	Online	
Set Xport-03			172.19.238.25	00-20-4A-FF-08-0B	Online	
Service Xport-03			172.19.238.26	00-20-4A-FF-07-01	Online	
Set WiPort			172.19.235.133	00-20-4A-FF-FF-32	Online	
See XPort			172.19.238.30	00-20-4A-80-49-F4	Online	
Ser XPort			172.19.23.60	00-20-4A-41-16-4D	Online	
5 UDS100			172.19.11.189	00-20-4A-11-B0-24	Online	
Sec. UDS100			172.19.100.38	00-20-4A-68-2D-A1	Online	
500 UDS100			172.19.100.45	00-20-4A-68-2E-B5	Online	
🗺 IAP Modbus Bridge			172.19.14.45	00-20-4A-64-FA-2D	Online	
S.X UDS-10/Cobox 5.X			172.19.11.188	00-20-4A-64-00-F5	Online	~
🧭 Ready						

Manually Add a Device to the Device List

As an alternative to using the Search tool to add devices to the device list, add individual devices manually to the list. This includes devices for use on the local subnet.

1. From the **Device** menu, select **Add Device**. The Add Device window displays.

ОК
Cancel

- 2. Enter the IP address for the device. Click **OK** for the DeviceInstaller to search for the device.
- 3. Upon connection with the device, DeviceInstaller adds it to the device list. A popup message appears if the device is not found.

4: Configuring IP Addresses

The DeviceInstaller assigns IP addresses to devices on the network. IP addresses are assigned either manually or automatically by the system.

This chapter includes the following topics:

Торіс	Page
Setting the IP Address Manually	4-1
Setting the IP Address Automatically	4-2

Setting the IP Address Manually

1. From the device list, click on the device to highlight it.

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	- 🕋 🚳 🔚	Sector 1			
/~ 🤒	- 🦅 😴 🐷				
Search Assign IF	Configure Upgrade Telnet	Web			
Туре	Name Group	IP Address	Hardware Address	Status	
£ 5C53200	SCS_550001	172.19.0.103	00-80-A3-55-00-01	Online	
SCS3200	SCS_57065A	172.19.21.51	00-80-A3-57-06-5A	Online	
ETS32PR	ETS_533B09	172.19.15.100	00-80-A3-53-3B-09	Online	
ETS32PR	ETS_248DB8	172.19.11.23	00-80-A3-24-8D-B8	Online	
SCS1600	DM_SCS1600	172.19.18.240	00-80-A3-57-06-AA	Online	
£SCS1600	SCS_5704BE	172.19.11.50	00-80-A3-57-04-BE	Online	
ETS16PR	ETS_53379B	172.19.23.199	00-80-A3-53-37-9B	Online	
SCS200	SCS_565AD1	172.19.244.102	00-80-A3-56-5A-D1	Online	
SCS200	SCS_5600E5	172.19.21.114	00-80-A3-56-00-E5	Online	
MSS100	MSS_212F68	172.19.11.22	00-80-A3-21-2F-68	Online	
MSS100	MSS_583089	172.19.23.198	00-80-A3-58-30-89	Online	
SCS400	SCS_6223B5	172.19.244.104	00-80-A3-62-23-B5	Online	
MSS-VIA	MSS_5102A9	172.19.11.125	00-80-A3-51-02-A9	Online	
WiPort		172.19.235.133	00-20-4A-FF-FF-32	Online	
Xport-03		172.19.238.25	00-20-4A-FF-08-0B	Online	
2 XPort		172.19.238.30	00-20-4A-80-49-F4	Online	
Xport-03		172.19.238.26	00-20-4A-FF-07-01	Online	
Micro-100		172.19.238.3	00-20-4A-FF-FF-03	Online	
2XPort		172.19.238.8	00-20-4A-80-02-D9	Online	
2XPort		172.19.23.60	00-20-4A-41-16-4D	Online	
SDS2100		172.19.238.4	00-20-4A-02-25-32	Online	
SD51100		172.19.238.1	00-20-4A-08-2E-B5	Online	
20DS100		172.19.100.38	00-20-4A-68-2D-A1	Online	
WiPort		172.19.213.89	00-20-4A-FF-FF-36	Online	
20DS100		172.19.23.195	00-20-4A-68-3E-15	Online	
SDS2100		172.19.205.85	00-20-4A-02-50-AF	Online	
UD5100		172.19.11.189	00-20-4A-11-B0-24	Online	
SDS2100		172.19.23.65	00-20-4A-02-50-B0	Online	

2. From the main toolbar, click **Assign IP** Assign **P** to open the Assign IP Address window.

Note: The Device Identification window prompts for the device's hardware address if a device was not selected in the previous step. Enter the hardware address from the product label and click **Next**.

3. From the Assignment Method page, select **Assign a specific IP address**. Click **Next** to open the IP Settings page.



4. In the IP Settings page, enter the device's IP address, subnet mask, and default gateway in the appropriate fields. Click **Next** to open the Assignment page.



- 5. Click the **Assign** button to add the IP address to the device.
- 6. The Assign IP Address window indicates when the assignment is complete. Click **Finish** to exit.

Setting the IP Address Automatically

- 1. From the device list, click the device name to highlight it.
- 2. From the main toolbar, click **Assign IP** Assign **P** to open the Assign IP Address window.

Note: The Device Identification window prompts for the device's hardware address if a device was not selected in the previous step. Enter the hardware address from the product label and click **Next**.

3. Select **Obtain an IP address automatically**. Click **Next** to open the IP Discovery Settings page.



4. Select the network protocol for searching and obtaining the IP address. Click **Next** to open the Assignment page.

Note: The device may not support every protocol listed. Unsupported protocols are disabled in the list of protocols.

- 5. Click the **Assign** button to add the IP address to the device.
- 6. The Assign IP Address window indicates when the assignment is complete. Click **Finish** to exit.

5: Configuring Device Settings

Each device in the DeviceInstaller's list has viewable or modifiable settings. Depending on the device type, these settings may be viewed for each individual unit, as well as for groups of devices.

Note: When highlighting multiple devices for configuration, not all fields are available in the Configure Device window.

This chapter includes the following topics:

Торіс	Page
Documenting Details for a Device	5-1
Configuring Ports	5-2
Configuring Advanced Settings	5-4

Documenting Details for a Device

Add details for a given device using the DeviceInstaller. Configurable details include the device name, group, and additional comments. These fields display in the device list and are used when sorting the list. A device's details can be printed and saved to files.

Note: The device's name, group, and comments are not stored on the device.

To enter details for a device in the device list:

1. Click a particular device in the list and press **Configure**. The Configure Device window opens.

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/~ · · · · · · · · · · · · · · · · · · ·		- <u> </u>			
Search Assign I		Web		,	
Туре	Name Group	IP Address	Hardware Address	Status	
SCS3200	SCS_550001	172.19.0.103	00-80-A3-55-00-01	Online	
£ SCS3200	SCS_57065A	172.19.21.51	00-80-A3-57-06-5A	Online	
ETS32PR	ETS_533B09	172.19.15.100	00-80-A3-53-3B-09	Online	
ETS32PR	ETS_248DB8	172.19.11.23	00-80-A3-24-8D-B8	Online	
SCS1600	DM_SCS1600	172.19.18.240	00-80-A3-57-06-AA	Online	
SCS1600	SCS_5704BE	172.19.11.50	00-80-A3-57-04-BE	Online	
ETS16PR	ETS_53379B	172.19.23.199	00-80-A3-53-37-9B	Online	
SCS200	SCS_565AD1	172.19.244.102	00-80-A3-56-5A-D1	Online	
SCS200	SCS_5600E5	172.19.21.114	00-80-A3-56-00-E5	Online	
MSS100	MSS_212F68	172.19.11.22	00-80-A3-21-2F-68	Online	
MSS100	MSS_583089	172.19.23.198	00-80-A3-58-30-89	Online	
SCS400	SCS_622385	172.19.244.104	00-80-A3-62-23-B5	Online	
MSS-VIA	MSS_5102A9	172.19.11.125	00-80-A3-51-02-A9	Online	
WiPort		172.19.235.133	00-20-4A-FF-FF-32	Online	
Xport-03		172.19.238.25	00-20-4A-FF-08-0B	Online	
XPort		172.19.238.30	00-20-4A-80-49-F4	Online	
Xport-03		172.19.238.26	00-20-4A-FF-07-01	Online	
Micro-100		172.19.238.3	00-20-4A-FF-FF-03	Online	
XPort		172.19.238.8	00-20-4A-80-02-D9	Online	
XPort .		172.19.23.60	00-20-4A-41-16-4D	Online	
SDS2100		172.19.238.4	00-20-4A-02-25-32	Online	
SDS1100		172.19.238.1	00-20-4A-08-2E-B5	Online	
Sec. UDS100		172.19.100.38	00-20-4A-68-2D-A1	Online	
WiPort		172.19.213.89	00-20-4A-FF-FF-36	Online	
UDS100		172.19.23.195	00-20-4A-68-3E-15	Online	
SDS2100		172.19.205.85	00-20-4A-02-50-AF	Online	
UD5100		172.19.11.189	00-20-4A-11-B0-24	Online	
SDS2100		172.19.23.65	00-20-4A-02-50-B0	Online	
🍑 Readv					

orts Doc	umentation Advanced
S	Lantronix XPort 1.0 - Beta 9
Name:	[
Group:	
Note: inform	nation on this page is for documentation purposes
	stored on the PC, but is not stored on the device.

- 2. Click the **Documentation** tab. Enter details in the **Name**, **Group**, and **Comments** fields. All parameters are optional.
- 3. To save and exit, click **OK**.

Configuring Ports

Note: UDS, Micro, Xpress, and XPort devices are supported. Configure other devices via their web page (see Accessing a Device via the Web Interface on page 7-1) or by Telnet (see Accessing a Device via Telnet on page 7-1).

To configure the device's ports:

1. From the device list, select a particular device (or highlight several devices by pressing **Ctrl** while clicking on the device, if permitted by the device type) and press **Configure**. The Configure Device window opens.

Eile Edit View D	2evice <u>T</u> ools <u>H</u> elp				
Search Assign IF	Configure Upgrade Telnet	San			
Туре	Name Group	IP Address	Hardware Address	Status	
SC53200	SCS 550001	172.19.0.103	00-80-A3-55-00-01	Online	
SC53200	SCS 57065A	172.19.21.51	00-80-A3-57-06-5A	Online	
ETS32PR	ETS 533809	172.19.15.100	00-80-A3-53-3B-09	Online	
ETS32PR	ETS_248DB8	172.19.11.23	00-80-A3-24-8D-B8	Online	
SCS1600	DM_SCS1600	172.19.18.240	00-80-A3-57-06-AA	Online	
SC51600	SCS_5704BE	172.19.11.50	00-80-A3-57-04-BE	Online	
ETS16PR	ET5_53379B	172.19.23.199	00-80-A3-53-37-9B	Online	
SC5200	SCS_565AD1	172.19.244.102	00-80-A3-56-5A-D1	Online	
SC5200	SCS_5600E5	172.19.21.114	00-80-A3-56-00-E5	Online	
MSS100	MSS_212F68	172.19.11.22	00-80-A3-21-2F-68	Online	
MSS100	MSS_583089	172.19.23.198	00-80-A3-58-30-89	Online	
SCS400	SCS_6223B5	172.19.244.104	00-80-A3-62-23-B5	Online	
MSS-VIA	MSS_5102A9	172.19.11.125	00-80-A3-51-02-A9	Online	
WiPort			00-20-4A-FF-FF-32		
Service 2012 Service 2013		172.19.238.25	00-20-4A-FF-08-0B	Online	
See XPort		172.19.238.30	00-20-4A-80-49-F4	Online	
Xport-03		172.19.238.26	00-20-4A-FF-07-01	Online	
Micro-100		172.19.238.3	00-20-4A-FF-FF-03	Online	
2 XPort		172.19.238.8	00-20-4A-80-02-D9	Online	
XPort .		172.19.23.60	00-20-4A-41-16-4D	Online	
SDS2100		172.19.238.4	00-20-4A-02-25-32	Online	
SDS1100		172.19.238.1	00-20-4A-08-2E-B5	Online	
20DS100		172.19.100.38	00-20-4A-68-2D-A1	Online	
WiPort		172.19.213.89	00-20-4A-FF-FF-36	Online	
5100 UDS100		172.19.23.195	00-20-4A-68-3E-15	Online	
SDS2100		172.19.205.85	00-20-4A-02-50-AF	Online	
5005100		172.19.11.189	00-20-4A-11-B0-24	Online	
SE SDS2100		172.19.23.65	00-20-4A-02-50-B0	Online	

2. Click the Ports tab.

Note: The Ports tab is not available on all products.

1 (192.168.1.56) 9600, 8, None, 1, None 1 (192.168.1.7) 9600, 8, None, 1, None 1 (192.168.1.6) 19200, 8, None, 1, None 1 (192.168.1.5) 19200, 8, None, 1, XonXoff	
1 (192.168.1.6) 19200, 8, None, 1, None	
1 (192,168,1.5) 19200, 8, None, 1, XonXoff	

Select the ports to configure and press $\mbox{Edit}\ \mbox{Settings}$ to open the Port Settings window.

Port Settings Adva	anced	
Bits per second:	19200	~
Data bits: 🛛 🗟	8	~
Parity:	None	~
Stop bits:	1	~
Flow control:	None	~

3. The Port Settings window displays general serial port settings. Select the **Advanced** tab to configure advanced serial port settings.

	Modem Emulation Mode	None	^			
Ξ	Disconnection					
	Disable Hard Disconnect	False				
	Disconnect With DTRDrop	False				
	Disconnect With EOT	False				
	Inactivity Timeout	00:00				
Ξ	Packing					
	Enable Packing	False				
	Idle Time	ForceTransmit12ms				
	Match Byte 1	00				
	Match Byte 2	00	-			
	Match Two Byte Sequence	False				
	Send Frame Only	False				
	Send Trailing Bytes	None				
Ξ	Passive Connection		1272			
	Accept Descine Connection	10221	~			

If configuring multiple ports, a blank field indicates the current value varies among ports.

Note: For specific information on configuring parameters, refer to the device model's product documentation.

4. Click **Close** to exit.

Configuring Advanced Settings

Note: UDS, Micro, Xpress, and XPort devices are supported. Configure other devices' advanced settings via their web page (see Accessing a Device via the Web Interface on page 7-1) or by Telnet (see Accessing a Device via Telnet on page 7-1).

To configure specific advanced features of a particular device:

1. Click a particular device (or highlight several devices by pressing **Ctrl** while clicking on the device, if the device type permits it) and press **Configure**. The Configure Device window opens.

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<u>Eile E</u> dit ⊻iew [Device <u>T</u> ools <u>H</u> elp					
Search Assign IF	Configure Upgrade	enet	San			
Туре	Name Gr	oup	IP Address	Hardware Address	Status	
SC53200	SCS 550001		172.19.0.103	00-80-A3-55-00-01	Online	 1
SCS3200	SCS 57065A		172.19.21.51	00-80-A3-57-06-5A	Online	
ETS32PR	ETS 533B09		172.19.15.100	00-80-A3-53-3B-09	Online	
ETS32PR	ETS 248DB8		172.19.11.23	00-80-A3-24-8D-B8	Online	
SCS1600	DM_SCS1600		172.19.18.240	00-80-A3-57-06-AA	Online	
SC51600	SCS_5704BE		172.19.11.50	00-80-A3-57-04-BE	Online	
ETS16PR	ETS_53379B		172.19.23.199	00-80-A3-53-37-9B	Online	
SCS200	SCS_565AD1		172.19.244.102	00-80-A3-56-5A-D1	Online	
SCS200	SCS_5600E5		172.19.21.114	00-80-A3-56-00-E5	Online	
MSS100	MSS_212F68		172.19.11.22	00-80-A3-21-2F-68	Online	
MSS100	MSS_583089		172.19.23.198	00-80-A3-58-30-89	Online	
SCS400	SCS_6223B5		172.19.244.104	00-80-A3-62-23-B5	Online	
MSS-VIA	MSS_5102A9		172.19.11.125	00-80-A3-51-02-A9	Online	
WiPort				00-20-4A-FF-FF-32		
Xport-03			172.19.238.25	00-20-4A-FF-08-0B	Online	
2 XPort			172.19.238.30	00-20-4A-80-49-F4	Online	
Xport-03			172.19.238.26	00-20-4A-FF-07-01	Online	
Micro-100			172.19.238.3	00-20-4A-FF-FF-03	Online	
2XPort			172.19.238.8	00-20-4A-80-02-D9	Online	
#XPort			172.19.23.60	00-20-4A-41-16-4D	Online	
SDS2100			172.19.238.4	00-20-4A-02-25-32	Online	
SDS1100			172.19.238.1	00-20-4A-08-2E-B5	Online	
CDS100			172.19.100.38	00-20-4A-68-2D-A1	Online	
WiPort			172.19.213.89	00-20-4A-FF-FF-36	Online	
CUDS100			172.19.23.195	00-20-4A-68-3E-15	Online	
SDS2100			172.19.205.85	00-20-4A-02-50-AF	Online	
CUDS100			172.19.11.189	00-20-4A-11-B0-24	Online	
SDS2100			172.19.23.65	00-20-4A-02-50-B0	Online	
🧭 Ready						

2. Click the **Advanced** tab. The Advanced window displays configurable advanced fields for the device.

Port		Documentation	Advan			_
Ξ	De	vice				1
	Fir	mware Type		X1		
	Fir	mware Version		1.0 - Beta	a 9	
	Pro	oduct Type		XPort		
⊡	En	nail Notification				
	Do	main Name		mycomp	oany.com	
	Ma	il Server		0.0.0.0		
	Re	cipients		(Collection	n)	
	Tri	ggers		(Collection	n)	
	Un	it Name				
Ξ	Ho	ist List				
	Ho	st List		(Collection	n)	
	Re	try Counter		0		
	Re	try Timeout		0		
Ξ	DE	M Configurable	Pins			
	Die			1 60.1		1
		gers er conditions that	cause e	mail to be	sent.	

Note: for specific information on configuring parameters, refer to the device model's product documentation.

3. Click **OK** to save changes and exit.

6: Upgrading Firmware

Firmware on a device can be upgraded using the DeviceInstaller. There are two ways to upgrade the firmware: by using an existing Lantronix Installer file or by specifying individual firmware files.

Note: A Lantronix Installer file (.lxi) is created when installation settings are saved. The individual files are stored in the .lxi file for later use.

This chapter includes the following topics:

Торіс	Page
Upgrade Using an Existing Installation File	6-1
Upgrade Using Individual Firmware Files	6-2

Upgrade Using an Existing Installation File

To upgrade the firmware on a device using a Lantronix Installer (lxi) file:

1. Click the device in the device list to highlight it.

Eile <u>E</u> dit ⊻iew <u>D</u>	evice <u>T</u> ools <u>H</u> elp					
O			ST			
	- 🥗 🔫	<u> </u>				
Search Assign IP	Configure Upgrade	Telnet	Web			
Туре	Name Gri	oup	IP Address	Hardware Address	Status	^
SCS3200	SCS_550001		172.19.0.103	00-80-A3-55-00-01	Online	
SCS3200	SCS_57065A		172.19.21.51	00-80-A3-57-06-5A	Online	
SETS32PR	ETS_533B09		172.19.15.100	00-80-A3-53-3B-09	Online	
SETS32PR	ETS_248DB8		172.19.11.23	00-80-A3-24-8D-B8	Online	
SCS1600	DM_SCS1600		172.19.18.240	00-80-A3-57-06-AA	Online	
SCS1600	SCS_5704BE		172.19.11.50	00-80-A3-57-04-BE	Online	
ETS16PR	ETS_53379B		172.19.23.199	00-80-A3-53-37-9B	Online	
SC5200	SCS_565AD1		172.19.244.102	00-80-A3-56-5A-D1	Online	
SC5200	SCS_5600E5		172.19.21.114	00-80-A3-56-00-E5	Online	
5100 MSS100	MSS_212F68		172.19.11.22	00-80-A3-21-2F-68	Online	
5100 MSS100	MSS_583089		172.19.23.198	00-80-A3-58-30-89	Online	
5CS400	SCS_6223B5		172.19.244.104	00-80-A3-62-23-B5	Online	
MSS-VIA	MSS_5102A9		172.19.11.125	00-80-A3-51-02-A9	Online	
WiPort			172.19.235.133	00-20-4A-FF-FF-32	Online	
See Xport-03			172.19.238.25	00-20-4A-FF-08-0B	Online	
See XPort			172.19.238.30	00-20-4A-80-49-F4	Online	
Service Xport-03			172.19.238.26	00-20-4A-FF-07-01	Online	
Micro-100			172.19.238.3	00-20-4A-FF-FF-03	Online	
Servert 201			172.19.238.8	00-20-4A-80-02-D9	Online	
See XPort			172.19.23.60	00-20-4A-41-16-4D	Online	
SD52100			172.19.238.4	00-20-4A-02-25-32	Online	
SDS1100			172.19.238.1	00-20-4A-08-2E-B5	Online	
500 UDS100			172.19.100.38	00-20-4A-68-2D-A1	Online	
WiPort			172.19.213.89	00-20-4A-FF-FF-36	Online	
500 UDS100			172.19.23.195	00-20-4A-68-3E-15	Online	
SD52100			172.19.205.85	00-20-4A-02-50-AF	Online	
Secuds100			172.19.11.189	00-20-4A-11-B0-24	Online	
SDS2100			172.19.23.65	00-20-4A-02-50-B0	Online	~
🥩 Ready						//

2. Select **Upgrade** from the Device menu. The Device Upgrade Wizard window displays.

👺 Device Upgrade Wizard - Step 1	of 2	×
	This wizard helps install firmware, applications, web pages, and other configuration settings. Use a specific installation file Browse Create a custom installation by specifying individual files To continue, click Nest.	
	< Back Next > Cancel Help	

- 3. To upgrade using a current installation file, select the **Use a specific installation file** radio button.
- 4. Click **Browse** to open the Select Installation File window. Locate the correct Lantronix Installer file (.lxi) and click **Open** to set the file location path in the Device Upgrade Wizard window.
- 5. Click **Next** to proceed with the upgrade. The Device Upgrade Wizard window displays the status and result of the upgrade.
- 6. When the upgrade is complete, select **Close** to exit.

Upgrade Using Individual Firmware Files

The following table details devices that may upgrade using individual files and the file types required. A .rom file is the device's firmware file. A .fwx is a firmware extension file. A .cob file contains the data for the device's web pages.

Device	Upgrade Files
XPort	xxxx.rom, xxxx.cob
WiPort	xxxx.rom, xxxx.fwx,
	xxxx.cob
UDS	xxxx.rom, xxxx.cob
CoBox-FL	xxxx.rom, xxxx.cob
SDS	xxxx.rom, xxxx.cob
XPress	xxxx.rom, xxxx.cob

To create a custom installation:

- 1. Select **Upgrade** from the Device menu to open the Device Upgrade Wizard window.
- 2. Select the **Create a custom installation by specifying individual files**. Click **Next**.



3. Click **Browse** under the **Firmware (ROM)** File field to open the Select ROM Firmware File window. Locate the appropriate file and click **Open** to set the file location path in the Device Upgrade Wizard window.

Note: For WiPort devices, repeat the above step for setting the file location of the appropriate Firmware Extension File (.fmx) by clicking **Browse** under the **Firmware Extension (FWX) File** field.

To use the existing ROM and FWX files, leave these fields blank.

- 4. Click **Next**. The Device Upgrade Wizard prompts for the type of files to add. Select one of the following:
 - Install files individually to add files in their raw form.
 - Install files contained in COB partitions to add files in the form of COB partitions.
 - Do not copy or replace any files to continue with the current files on the system.

Click Next.

5. If **Install files individually** was selected in the previous page, the Step 4 of 7 window is displayed.

Device Upgrade Wizard - Step	4 of 7 To install individual files, click Change Path to adjust the pat to remove a file. Warning: All	h as installed on the dev	ice. Click Remove
A TANK	File Path on Device	17.	Size
	navi.html		2 KB
	index.html		0 KB
	ltx_conf.html main.html		0 KB 0 KB
	images/logo.jpg		3 KB
	Add Files	Change Path	Remove
Į.	To continue, click Next.		
	< Back	Next > Cano	el Help

From this window:

a) Click **Add Files** and choose the files on the system to add files to the installation.

- b) Remove a file scheduled for installation by highlighting the filename and clicking **Remove**.
- c) Select Change Path to change the file location on the device.

Click Next.

6. If **Install files contained in COB partitions** was previously selected, the Step 4 of 6 window is displayed.

	To replace a COB partition, select the target partition and click Set Partition to browse for a file. Click Erase Partition to erase the partition No Change to leave the partition as is.				
	Partition	Size	Files		
1000	#1 #2 #3	7 KB 64 KB 64 KB	navi.html; index.html; ltx_conf.html; main.h [ERASE] [ERASE]		
10 1222	#4	64 KB	[ERASE]		
	#5 #6	64 KB 64 KB			
			Contraction No. Character		
	Set Pa	artition	Erase Partition No Change		

From this window:

- a) To set a file partition, highlight the partition in the displayed list and click Set Partition. The Select COB Archive File window displays; locate the appropriate .cob file and click Open. The files in a partition are displayed in the list.
- b) To erase a file partition, select the partition and click Erase.
- c) To leave a file partition intact, select the partition and click No Change.

When finished, click Next.

- As an optional step, save the installation as a Lantronix installation file (.lxi). From the Step 5 of 6 window, click Save Installation. Click Next to continue the installation, or Cancel to exit without the actual device upgrade.
- 8. The Device Upgrade Wizard window displays the status and result of the upgrade. When the upgrade is complete, select **Close** to exit.

7: Managing Tasks

Several device management steps may be performed through the DeviceInstaller. These include accessing the device via Telnet or the device's web interface, saving and printing the device list, verifying diagnostics, choosing network adapters, and recovering firmware.

This chapter includes the following topics:

Торіс	Page
Accessing a Device via Telnet	7-1
Accessing a Device via the Web Interface	7-1
Saving the Device List	7-2
Opening the Device List	7-2
Printing the Device List	7-2
Checking Device Diagnostics	7-3
Choosing the Network Adapter for Communication	7-3
Recovering Firmware	7-4

Accessing a Device via Telnet

To connect to a device using Telnet:

- 1. From the DeviceInstaller list of devices, highlight the appropriate device by clicking on it.
- 2. From the main toolbar, click **Telnet .** A new Telnet window displays.

ОК
Cancel

- 3. The **Port** field displays the device's default port number. To change this value, enter the port number used for accessing the device's configuration interface.
- 4. Click **OK** to display the Window's Telnet screen. Follow the instructions displayed in the Telnet window. For detailed information, refer to the product documentation for the device.

Accessing a Device via the Web Interface

Use DeviceInstaller if a device has a web page:

- 1. From the list of devices, highlight the appropriate device by clicking on it.
- 2. From the main toolbar, click the **Web** button. The device's web page opens in a new browser window.

Saving the Device List

The list of devices may be saved as a text file and restored for later use. The following information is stored:

- Device Name
- Group
- Comments
- IP Address for the device

Note: The configuration of the devices in the list is not stored when saving the device list.

To save the list of devices:

- 1. From the File menu, select **Save As**. The Save As screen displays in a new window.
- 2. Locate the directory in which the device list text file will be saved.
- 3. The default name of the file is Devices1. To rename the file, clear the **File name** field and enter another filename.
- 4. Click Save.

Opening the Device List

To open a previously stored list of devices:

- 1. From the File menu, click **Open**. The Open window displays.
- 2. Find the location of the stored device file list (in text format). Highlight the filename and press **Open**. The list of stored devices displays in the DeviceInstaller window.
- 3. To close the list, select **New** from the File menu.

Printing the Device List

To print the current list of devices displayed:

1. As an optional step, the list of devices may be previewed before printing. From the File menu, choose **Print Preview** to display the Print preview window.

Type uctoreo Xitur Matroo uctoreo uctoreo	Name of	iroup	P Address 172162361 172162362 17216213 17216264	Hardware Address 00-20-4A-68-20-85 00-20-4A-41-15-09 00-80-40-61-52-00 00-30-4A-12-25-32	Statua Online Online Online Online	
XPert NET UCG-rtinCebra 5.X UCG-rtinCebra 5.X XPert XPert NET			172191006 172192066 172192067 172192067 172192068 172192068	00-20-4A-02-19-30 00-20-4A-02-21-16 00-20-4A-72-6F-05 00-20-4A-60-02-029 00-20-4A-60-02-029	Online Online Online Online Online	
CTELERR XPert ACT XPert MEDICO UCG-10Cebes 4.X	CTS, 240460		172191311 1721910016 1721920620 1721920620	0040-45-24-94-60 (0-20-44-60-07-46 (0-20-44-60-07-46 (0-20-44-64-07-44 (0-20-44-64-07-44 (0-20-44-64-64-64) (0-20-44-64-64-64) (0-20-44-64-64)(0-24-64) (0-20-44-64-64)(0-24)(0-24)(Online Online Online Online	
W ² Mothus Bridge 90.57600 URS205 90.52000	909 570480 LRS 140156 909 571604		1721910029 172191445 172191445 172191150 172192150 172192151	00-60-30-1A-01-58	Online Online Online Online	
XPert M254 Micro-100 LUGS-100Cebea 5.X M25100	M25_541718		172192360 1721921371 172192365 1721917100 1721916100	00-20-4A-41-10-42 00-00-45-54-17-10 00-20-4A-FF-FF-02 00-20-4A-64-00-AA 00-40-40-50-29-02	Online Online Online Online	
MEDITIO LCS:16 UDS-19Cobex 4.X 9CSU00 MP2000 CC2+6P	SCS S20001 MPS 159A14		172.19.26.100 172.19.0.101 172.19.0.105 172.19.0.105	00-00-40-50-50-50 00-20-40-51-65-60 00-40-40-52-60-01 00-40-40-52-60-01 00-40-40-10-02-62	Ordene Ordene Ordene	
CT2HEP UDS-196Cebea 5.X UDS100 SC5200 UDS100	505,56627A		1721917175 1721911169 1721921169 1721923194 1721923194 1721923195	00-00-40-10-02-42 00-20-4A-64-00-F5 00-20-4A-11-40-24 00-00-40-55-62-3k 00-20-4A-68-35-15	Critine Critine Critine Critine Critine	
6759-6498 96:5210 96:57600	CTS 535798 905,566125 90516,0N		1721923199 1721923199 1721921225 1721910240	00-10-40-50-57-60 00-10-40-52-61-25 00-10-40-57-06-44	Creine Onine Creine	

Click Close to exit.

2. From the File menu, click **Print** to print the list of devices.

Checking Device Diagnostics

To determine whether a device is online and the network is functional, use the DeviceInstaller Ping option. This option ensures the device is operating and also determines the speed of a response from the device.

- 1. From the Tools menu, click **Ping**. The Ping Device window displays.
- 2. In the **IP Address** box, enter the IP address of the device.
- 3. Click Ping. After several moments, the Status area displays the ping results.
- 4. To ping another device, select **Clear Status** to clear the Status area before entering another IP address.
- 5. Click Close to exit.

Choosing the Network Adapter for Communication

By default, the primary adapter used by Windows is the network adapter used for communication with devices on the network. To select a different adapter:

1. From the Tools menu, click **Options**. The Options window opens, displaying the list of available adapters.



- 2. Select the adapter by clicking its checkbox. Click Apply.
- 3. Click **OK** to exit.

Recovering Firmware

In the event of a failure, the Recover option allows for firmware installation through the serial port instead of the network.

Note: the Recover option only supports XPort and Micro100. Ensure the firmware is the correct type before installing over the serial port.

To install firmware over the serial port:

1. From the Tools menu, select **Advanced**. Choose **Recover Firmware**. The Serial Port Firmware Upgrade displays in a new window.



- 2. Power off the device. Connect a serial cable from the PC running the DeviceInstaller to the primary serial port on the device.
- 3. From the Serial Port Firmware Upgrade window, choose the PC port from the **Port on PC** drop-down menu.
- 4. Choose a device type from the **Device Model** pull-down menu.
- Locate the firmware file on the PC by clicking Browse. From the Files of type pull-down menu, select the file type of the firmware file. Available file types are ROM (.rom), serial program binary (.spb), or serial download binary (.sdb). Highlight the filename and click Open. The file's path is displayed in the Firmware File field.

Note: Serial download binary (.sdb) files download the file temporarily into RAM. The previous firmware is restored upon reset.

6. Click **OK**. The status bar in the DeviceInstaller window indicates the progress of the firmware upgrade. A confirmation box appears when the upgrade is complete.

Note: The status bar may prompt to reset the device. If this occurs, reset or toggle the power on the unit to continue with the firmware upgrade.

A: Compliance and Warranty Information LIMITED WARRANTY

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