

WizWin Software Setup & Firmware Updates

Guide to Operations

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Contents

I.	INITIAL SOFTWARE INSTALLATION	. 1
II.	CONNECTING THE UNIT TO YOUR COMPUTER	. 1
III.	CONFIGURING SOFTWARE	. 2
IV.	UPDATING THE FMCS1 AND FMHD1 VERSION 4.X FIRMWARE	. 6
v.	UPDATING FMHD-1 VERSION'S 2.15 THRU 3.XX TO 4.XX FIRMWARE	. 8
VI.	UPDATING LANTRONIX NETWORK INTERFACE CONTROLLER.	12
VII.	SETTING A STATIC IP ADDRESS USING THE LANTRONIX DEVICE INSTALLER WEB INTERFACE.	13

I. Initial Software Installation

- 1) DOWNLOAD the BELAR WizWin software from the BELAR website at: http://www.BELAR.com/update/index.html
- 2) Locate and **RUN** the setup.exe file. Follow the screen prompts.
- If connecting to the unit using the RJ-45 network connector, download the Lantronix Device installer using the link on our webpage. Also available from Lantronix at: http://ltxfaq.custhelp.com/cgi-bin/ltxfaq.cfg/php/enduser/std_adp.php?p_faqid=644
- 4) Install the Device Installer software.

II. Connecting the Unit to your computer

- 1) Network Connection
 - a) DHCP: If connecting to a network with a DHCP server in place (the Unit is shipped with DHCP enabled) connect the Unit to your network, on the same subnet as the computer you loaded the **WizWin** software, then power cycle the unit.
 - **b)** APIPA: If your network does not have a DHCP server the Unit will select an APIPA (Automatic Private IP Address) address in the 169.254.xxx.xxx range with a subnet of 255.255.0.0 You can then use an isolated (non DHCP) switch or a crossover cable to connect the **FMHD-1** to your computer.
 - c) You must set the computer IP to the same 169.254.xxx.xxx range with the 255.255.0.0 subnet. (Most computers set to DHCP enabled will default to an APIPA address if no DHCP server is present when they are booted up)
 - d) Static IP: Currently static IP's must be set using the Lantronix Device Installer software. Please see Section VII Setting a Static IP section below.
- 2) RS-232 Connection
 - a) Connect a 9 pin Female to Female D connector cable. The unit uses pins # 2, #3, and # 5. The cable pinout is: Pin #2 to Pin#3, Pin #3 to Pin #2, and Pin #5 to Pin #5

Note: FMHD-1 units running software version less than 4.00 require an onboard jumper to be set to enable the RS-232 port.

III. Configuring Software

- 1) Finding the Unit's IP address
 - a) To Obtain the Units IP address, activate the Unit's popup menus and go to the "Settings" > "Network" submenu to display the current network information. In order for the unit to correctly assign a DHCP or APIPA address the unit must be power cycled after the RJ-45 cable is connected to the unit.
 - **b**) Alternatively, if the **FMHD-1** is running a software version less than **4.0** the network settings are not available from the unit. Please follow the steps below.
 - i. **OPEN** the Lantronix Device Installer program.
 - **ii.** In the left hand column you will see the IP address assigned to the **XPORT-AR**. If you already have the Device installer program running **CLICK** the "**search**" function at the top left. Note the IP address assigned to the **XPORT-AR** device (this is the **FMHD-1** embedded network device) Write the address down, in the example it is 192.168.5.19

Lantronix DeviceInstaller 4.2.0.1					
File Edit View Device Tools Help					
🔎 Search \ominus Exclude 🔌 Assign IP					
E Stantronix Devices - 1 device(s)	Туре	Name Group	IP Address	Hardware Address	
 Local Area Connection (192.168.5.120) XPort XPort AR - firmware v2.0 192.168.5.19 	* XPort AR		192.168.5.19	BE-1A-40-45-01-24	

- 2) **RUN** the **WizWin** software:
 - a) **SELECT "Connections**" from the window:



b) A pop-up dialog box will appear. SELECT Connection #1 and CLICK the "Configure" Button.

Connections	#3 #4	#5 #6	6 #7 #8	X
	Connection	n #1		
Connection Network Local Network Rem	Info		Status Disconnected	
, Hardware	Hardware Con	ID	Serial #	
HD System	N/A	N/A	N/A	
Connect	Configure	Update	Disconnect	
	Message	e Window		
				_

- c) Under the individual Tabs in the Configure Dialog Box enter the following information.
 - i. Hardware Type: SELECT HD System for FMHD-1 or FMCS-1.

Configure Connection		
Hardware Type Connection T Hardware C Wizard System C CSA-1 C HD System C FMCS-1	ype RS-232 Password:	MODEM Network Logging
Apply	Save	Cancel

ii. Connection Type: Network – Ethernet or RS-232 – Serial

Configure Connection	
Hardware Type Connection Type	RS-232 MODEM Network Logging
Connection C RS-232 - Serial Network - Ethernet	Connect on Startup
Apply Sav	e Cancel

iii. RS-232 Connection

If using the serial connection on the **FMCS-1 CHECK** the appropriate option, then **SELECT** the **RS-232** tab, **SELECT** the appropriate "Com Port" and **SET** the "Baud Rate to 115200". Note **FMHD-1** units running software versions less 4.0; use a Baud Rate of 57600. **CLICK** "**Save**" to save and close the "Configure Connection" dialog box.

Configure Connection
Hardware Type Connection Type RS-232 MODEM Network Logging
COM PORT BAUD RATE COM1 I15200 Auto Detect
FMHD-1 Baud Rate Vesion 4.0 and higher 115200 All other versions 57600
Apply Save Cancel

iv. Network Connection

Enter the IP Address of the Unit obtained from the Network Settings menu of the **FMHD-1/FMCS-1** or from the Lantronix Device Installer program.

For a direct connection to the unit using **WizWin** the port number should be set to 10001. If connecting to the **BELAR** Server Program the IP address will be the address of the hosting computer and the port will be set between 81 and 88 to correspond with the listening port set in the Server Program.

Alternatively, a Host name can be substituted for the IP address. Please check use Host box if a Host name is being used.

CLICK "Save" to save and close the "Configure Connection" dialog box

Configure Connection			
Hardware Type Connection Type RS-232 MODEM Network Logging			
IP ADDRESS PORT 192.168.1.107 10001 Use Host Name			
Host Name			
Apply Save Cancel			

3) **CLICK** on the "**Connect**" button in the Connections Window. The Unit should connect and bring up a virtual front panel of the Unit.

Connectio	Connections				
Connect #1	#2 #3	#4 #5	#6 #7	#8 Log	
		Connection #	n		
	Connection Network Local Network Rem	Info		itatus Iisconnected	
	н	ardware Conne	ections		
	Hardware	Unit	Option	Serial #	
	FMCS-1 System	N/A	N/A	N/A	
_	Connect	Configure	Update	Disconnect	
		Message Win	dow		

4) You can navigate around the unit controls by right clicking on the unit and selecting screens and functions from the drop down menus that appear.

Rack2			
HD StationDigital AudioSIS CRC	BarGraph SIS Data PAD Data Spectrum Time/ Level Alignmnet	HD Audio: Analog HD Audio: HD1 HD Audio: HD2 HD Audio: HD3 HD Audio: HD4	D HD 5 HD 6 HD 7 HD 8
Service Mode: Cd/NO: dB	Program Select BER Relay Alarms Settings Unit Config	HD Audio: HDS HD Audio: HD6 HD Audio: HD7 HD Audio: HD8 Analog Readings	ms
QI: DAAI:	Acq lime A	Audio:	ms

IV. Updating the FMCS1 and FMHD1 Version 4.X Firmware

If updating a FMHD-1 firmware version 2.15 thru 3.xx please go to section V.

The update file is embedded in the **WizWin** software. In order to update the unit a connection much first be established using the **WizWin** software, see section III.

1) In the Connections Window **SELECT** the "**Update**" button.

Connect #1	#2 #3	#4 #5	#6 #7	#8 Log	
		Connection	#1		
	Connection	Info		Status	
	Network Local Network Rem	Operations 192 192.168.5.23		Active	
	н	ardware Con	nections		
	Hardware	Unit	Option	Serial #	
	FMCS-1 System	FMCS-1	Complete	750001	
	Connect	Configure	Update	Disconnect	
		Message W	indo w		
TATUS(1/2	7/2010 3:18:55 PM): <connect1></connect1>	FMCS1 Succes	sful Connection	

2) An Update Dialog Box will pop-up. CLICK the "Update EEPROM" button to start the update process.

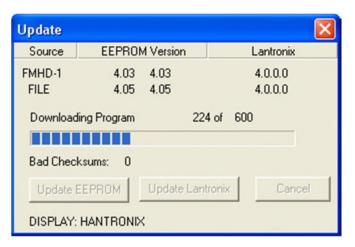
Update			X
Source	EEPRON	d Version	Lantronix
FMHD-1 FILE	4.03 4.05	4.03 4.05	4.0.0.0 4.0.0.0
Idle	4.00	1.00	4.0.0.0
		Update Lant	ronix Cancel

Notes: FMHD-1 firmware versions below 2.15 cannot be upgraded in the field and must be returned to BELAR for updating.

If you are attempting to install a firmware version older than or equal to your current version a warning box will appear. Select the **"Confirm**" button if you want to continue.

The front panel of the Unit will show the updating progress which takes about 10-20 minutes to complete. Afterwards the unit should reboot automatically.

DO NOT INTERUPT THE UPDATE PROCESS AFTER IT HAS STARTED



V. Updating FMHD-1 Version's 2.15 thru 3.XX to 4.XX Firmware

The update file is embedded in the **WizWin** software. In order to update the unit a connection much first be established using the **WizWin** software, see section III.

The update window will automatically popup when connecting to a **FMHD-1** running firmware version's **2.15** thru **3.XX**. Enter the last three digits of the unit's serial number which are located on the rear panel serial tag. **CLICK** the **"Confirm**" button to start the update process.

Update		X
Source	EEPROM Version	
FMHD-1	2.20	In order to use this version of WizWin the FMHD-1 most be
FILE	4.05	updated to version 4.0 or higher.
Idle		The update process will take about 20 minutes. Please enter the last 3 digits on the units serial
	Confirm	number below, then press the Confirm button to start the update process.
		FMHD-1 SERIAL # 450 0 • 0 • 0 •
DISPLAY	HANTRONIX	

Notes: FMHD-1 firmware versions below 2.15 cannot be upgraded in the field and must be returned to BELAR for updating.

The front panel of the Unit will show the updating progress which takes about 20 minutes to complete. Afterwards the unit should reboot automatically.

DO NOT INTERUPT THE UPDATE PROCESS AFTER IT HAS STARTED

Update			
Source	EEPROM Version		
FMHD-1	2.20		In order to use this version of
FILE	4.05		WizWin the FMHD-1 most be updated to version 4.0 or higher.
	ling Program	1330 of 9507	The update process will take about 20 minutes. Please enter the last 3 digits on the units serial number below, then press the Confirm button to start the update process.
DISPLAY:			FMHD-1 SERIAL # 450 1 • 2 • 3 •

During the update process changes are made to the embedded Lantronix Network interface. If after the update, the **WizWin Software** displays the following error message the Lantronix may not have been re-configured correctly. Please follow the steps below.

Connectio	ns				
Connect #1	#2 #3	#4 #5	#6 #7	#8 Lo	e
		Connection 4	#2		
	Connection Network Local	Info MARK 192.168.1	.102 2516	Status Error	
	Network Rem	192.168.1.107	10001		
	н	lardware Conn	ections		
	Hardware	Unit	ID	Serial #	
	HD System	N/A	N/A	N/A	
	Connect	Configure	Update	Disconnect	
		Message Win			
connection wa	3/2011 11:31:28 Ał as aborted by the s 3/2011 11:31:27 Ał	oftware in your ho	st machine		

Older Lantronix firmware version's (V2.0.0.0) do not have a web interface, the easiest way to check and configure the Lantronix is using Telnet commands. To access the Lantronix from the Windows Start Menu, select the Run command to establish a telnet connection. In the example below the IP address of the **FMHD-1** is 192.168.1.107, please substitute your units IP address.

Run	? 🔀
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	telnet 192.168.1.107
	OK Cancel Browse

A popup window will appear with a ">" prompt, please type "**show**" and hit **enter** to display the following screen. The problem which has caused the **WizWin** error message is the Line 1: RS232, 57600, etc. In this line the baud rate needs to be set to 115200 to work with the new firmware. To set the new baud rate and enable the Line 2 command mode, follow the steps below.

📑 Telnet 192.168.1.107		- 🗆 X
Default Gateway Primary DNS Secondary DNS Line 1: RS232, 57600, None,	<pre>: not available : 0 days 00:05:49 : saved : eth0 : Auto 10/100 Mbps Auto Half/Full (100 Mbps Full) : 00:20:4a:00:00 : (None> [<dhcp>] : (None> [<dhcp>] : 192.168.1.107 (DHCP> [<dhcp>] : 255.255.255.0 (DHCP> [<dhcp>] : 192.168.1.1 (DHCP> [<dhcp>] : 192.168.1.1 (DHCP> [<dhcp>] : 66.82.4.8 (DHCP) : (Not Configured) 8, 1, None : Disabled, Accept Mode: Waiting</dhcp></dhcp></dhcp></dhcp></dhcp></dhcp></pre>	
	: Disabled, Accept Mode: Waiting	-

Type the following commands, hitting **enter** after each one.

Type "enable" Type "line 1" Type "speed 115200" for version 2.0.0.0 Lantronix or if you receive a "Syntax error" message Type "baud rate 115200" Type "write" Type "exit" Type "line 2" Type "command mode always" Type "write" Type "exit" Type "exit" Type "show" to verify the baud rate has changed to 115200.

The Lantronix should now be configured correctly to communicate with the **WizWin** software. Please use the **WizWin** software to update the Lantronix to version 4.0.0.0, see section VI.

📕 Telnet 192.168.1.107	- 🗆 X
>enable (enable)#line 1 (line:1)#baud rate 115200 (line:1)#write (line:1)#exit (enable)#line 2 (line:2)#command mode always (line:2)#write	
<pre>(line:2)#write (line:2)#exit (enable)#show Product Information: Product Type</pre>	
Perm. Config : saved Network Status: Interface : eth0 Link : Auto 10/100 Mbps Auto Half/Full (100 Mbps Full) MAC Address : 00:20:4a:00:00 Hostname : (None> [<dhcp>] Domain : (None> [<dhcp>]</dhcp></dhcp>	
IP Address : 192.168.1.107 (DHCP) [<dhcp)] Network Mask : 255.255.0 (DHCP) [<dhcp)] Default Gateway : 192.168.1.1 (DHCP) [<dhcp)] Primary DNS : 66.82.4.8 (DHCP) Secondary DNS : (Not Configured) Line 1:</dhcp)] </dhcp)] </dhcp)] 	
RS232, 115200, None, 8, 1, None Tunnel Connect Mode: Disabled, Accept Mode: Waiting Line 2: RS232, 9600, None, 8, 1, None Tunnel Connect Mode: Disabled, Accept Mode: Waiting <enable>#_</enable>	-

VI. Updating Lantronix Network Interface Controller.

Some older units have Lantronix firmware below version 4.0.0.0. We recommend updating these Lantronix to Version 4.0.0.0. In order to update the Lantronix using **WizWin** the **FMHD-1** firmware must be version **4.05** or higher, the **FMCS-1** must be version **1.18** or higher. Please update the unit's firmware first, if necessary, see sections VI and V.

The update file is embedded in the **WizWin** software. In order to update the unit a connection much first be established using the **WizWin** software, see section III.

1) In the Connections Window **SELECT** the "**Update**" button.

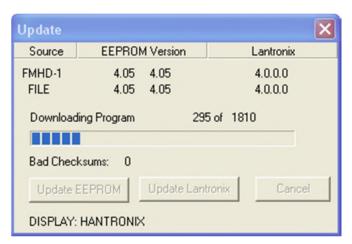
Connectio	ns					
Connect #1	#2 #3	#4 #5	#6 #7	7 #8 L	og	
		Connection	#1			
	Connection	Info		Status		
Network Local Operations 192 168.5.120 Active Network Rem 192.168.5.23 10001						
	н	ardware Conr	ections			
	Hardware	Unit	Option	Serial #		
	FMCS-1 System	FMCS-1	Complete	750001		
	Connect	Configure	Update	Disconnect		
STATUS(1/2	7/2010 3:18:55 PM	Message Wi): <connect1></connect1>		sful Connection		
1						

2) An Update Dialog Box will pop-up. The **FMHD-1**'s Lantronix version is displayed on the first line, the update version is display on the second line. **CLICK** the "**Update Lantronix**" Button to start the update process.

Update			X
Source	EEPRON	/ Version	Lantronix
FMHD-1 FILE Idle	4.03 4.05	4.03 4.05	4.0.0.0 4.0.0.0
		Update Lant	ronix Cancel

The front panel of the Unit will show the updating progress which takes about 20 minutes to complete. Afterwards the unit should reboot automatically.

DO NOT INTERUPT THE UPDATE PROCESS AFTER IT HAS STARTED



The Lantronix update will save the IP settings present before the update and reconfigure the Lantronix after the update, then reboot the device. During the update process the Network connection will be closed and after the unit reboots a new connection will be established. If the Lantronix was configured for DHCP this may result in the unit's IP address changing. If this occurs use the Lantronix Device installer or the unit's Network Settings menu to determine the new IP address. The **WizWin Software** will have to be reconfigured using this new IP address before the software can connect to the unit. See section III for details.

VII. Setting a Static IP address using the Lantronix Device Installer Web

Interface.

In order to use the Lantronix Device Installer Web interface the Lantronix must be running firmware version 4.0.0.0 or higher. Please update the Lantronix firmware before continuing if required. See Section VI. The Lantronix web interface may be accessed from the device installer, or from a standard web browser. The default user name and password are:

User name: admin Password: PASS

Connect to 192.1	68.1.110
R	G
The server 192.168.1 password.	1.110 at config requires a username and
User name:	🖸 admin 💌
Password:	••••
	Remember my password
	OK Cancel

To access the Web interface using a web browser just enter the unit's IP address in the address bar, in the example below the IP address is 192.168.1.107. The browser will then prompt for a username and password as mentioned above.

Antronix Web Manager	ystem Articl e Status et Information et Type: are Version: Date: Number: e: ment Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>	R	LANTRON	x Snapt
avorites & Church Sound Sy antronix Web Manager Status CLI CPM Diagnostics DNS Email FIP HTTP IP Address Filter Line Network PPD Potocol Stack Church Sound Sy Church Sound Sy Cli CPM CLI C	e Status ct Information ct Type: are Version: Date: Number: e: ment Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>	R	LANTRON	Page • Safety • Tools •
Antronix Web Manager Status Status CLI CPM Diagnostics DNS Email FTP HTTP Permai IP Address Filter Line Network PPP P P Totocol Stack	e Status ct Information ct Type: are Version: Date: Number: e: ment Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>	R	LANTRON	II X .
Status CLI CPM Diagnostics DNS Email FTP HTTP PAddress Filter Line Network PPP Ptotocol Stack	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>	R	LANTRON	II X .
Status CLI CPM Diagnostics DNS Email FTP HTTP PAddress Filter Line Network PPP Ptotocol Stack	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>	R	LANTRON	II X .
Status Devic CLI CPM Produc Diagnostics Produc DNS Filmwa Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC AF	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
Status Devic CLI CPM Produc Diagnostics Produc DNS Filmwa Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC AF	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
Status Devic CLI CPM Produc Diagnostics Produc DNS Filmwa Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC AF	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
CLI Devic CPM Produc Diagnostics Produc DNS Firmwa Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC A Protocol Stack Host:	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
CLI Devic CPM Produc Diagnostics Produc DNS Firmwa Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC A Protocol Stack Host:	ct Information ct Type: are Version: Date: Number: e: inent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
Diagnostics Product DNS Firmwat Email Build D Filesystem Serial FTP Uptime HTTP Permat IP Address Filter Network Line Interfax Network Link: PPP MAC AP Protocol Stack Host:	ct Type: are Version: Date: Number: a: nent Config: rk Settings	Lantronix XPort A 4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
DNS Firmwa Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC A Protocol Stack Host:	are Version: Date: Number: e: innent Config: rk Settings	4.0.0.0R16 Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>			
Email Build D Filesystem Serial FTP Uptime HTTP Perma IP Address Filter Networ Line Interfac Network Link: PPP MAC A Protocol Stack Host:	Date: Number: e: nent Config: rk Settings	Jul 16 2009 (10:0 <not available=""> 0 days 00:16:29 Saved eth0</not>	1:56)		
Filesystem Serial FTP Vuptime HTTP Perma IP Address Filter Networ Line Interfae Network Link: PPP MAC A Protocol Stack Host:	Number: e: ment Config: rk Settings	<not available=""> 0 days 00:16:29 Saved eth0</not>	1:56)		
FTP Uptime HTTP Perma IP Address Filter Netword Line Interfac Network Link: PPP MAC A Protocol Stack Host:	e: ment Config: rk Settings	0 days 00:16:29 Saved eth0			
HTTP Permai IP Address Filter Network Line Interfac Network Link: PPP MAC A Protocol Stack Host	nent Config: rk Settings	Saved eth0			
IP Address Filter Interface Line Interface Network Link: PPP MAC A: Protocol Stack Host:	rk Settings	eth0		-	
Line Interface Network Link: PPP MAC A Protocol Stack Host:					
Network Link: PPP MAC A Protocol Stack Host:	ce:				
PPP MAC A Protocol Stack Host:					
Protocol Stack Host:		Auto 10/100 Mbp	s Auto Half/Full (100 Mbp	s Full)	
11000	ddress:	00:20:4a:00:00:0	0		
		<none></none>			
Query Port IP Add	ress:	192.168.1.107 / 2	255.255.255.0 (DHCP)		
	t Gateway:	192.168.1.1 (DHC	P)		
SNMP Domain	n:	<none></none>			
	y DNS:	66.82.4.8 (DHCP)		
	dary DNS:	<none></none>			
Syslog Line Se					
System Line 1:		RS232, 115200,			
Terminal Line 2:		RS232, 9600, No			
TFTP Line 3: Tunnel	:		00, None, 8, 1, None		
Tunnel	ling	Connect Mode	Accept Mode		
Tunnel	11:	Disabled	Waiting	_	
Tunnel		Disabled	Waiting		
. anner			- runnig		
	Copyri	ight C Lantronix, Inc	2007-2009. All rights re	served.	

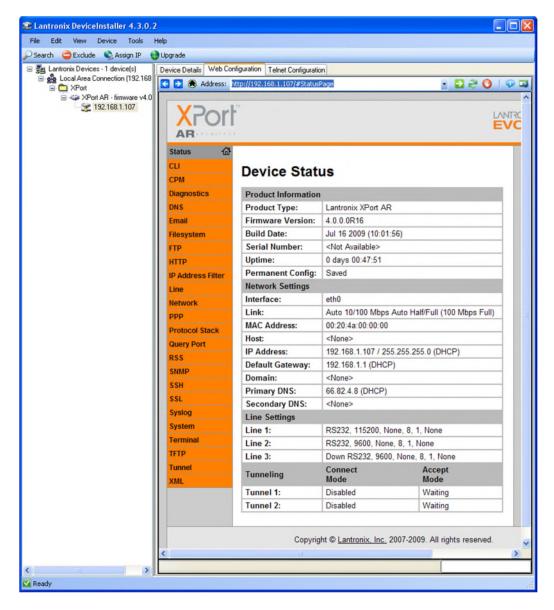
To use the Lantronix Device Installer software. Install and Run the software, the Lantronix will appear as **XPort** on the left and **XPort AR** on the right side. Double Click on the right hand side **XPort AR** symbol.

Lantronix DeviceInstaller 4.3.0.2						_ 🗆 🗙
File Edit View Device Tools Help						
🔎 Search 🤤 Exclude 🔌 Assign IP						
😑 🚰 Lantronix Devices - 1 device(s)	Туре	Name	Group	IP Address	Hardware Address	Status
E Lantonix Devices - 1 device(s) Set Local Area Connection (192,168,1.102) B C XPort	Server AR			192,168,1.107	00-20-44-00-00-00	Online
Keady						

Click on the **Web Configuration Tab**, and then click the green right hand arrow on the tool bar. A username/password box will pop-up as displayed above. Enter the default username and password

Lantronix DeviceInstaller 4.3.0.2				
File Edit View Device Tools Help				
🔎 Search 🥥 Exclude 🔌 Assign IP 🔮 Upgrade				
🖃 🚰 Lantronix Devices - 1 device(s)	Device Details W	eb Configuration Telnet Configu	ration	
Eccal Area Connection (192.168.1.102)	neload Details			
🖻 🥨 XPort AB - firmware v4.0	6	Property	Value	<u>^</u>
- 😒 192.168.1.107	E XPon	Name DHCP Device Name Group		
		Comments Device Family Type	XPort XPort AR	
		ID Hardware Address	A1 00-20-44-00-00-00	
		Firmware Version	4.0	
		Extended Firmware Version Online Status	4.0.0.0R16 Online	
		IP Address IP Address was Obtained	192.168.1.107 Statically	
		Subnet Mask	255.255.255.0	
		Gateway Number of Ports	192.168.1.1	
		Supports Configurable Pins	True	×
Ready				

Both the Web browser and Device Installer display the same information in the same format. The Web Browser is quicker if you already know the Unit's IP address.



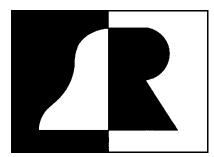
To set the Static IP click on the "**Network**" button on the left hand side. Next select the "**Configuration**" box in the center. From this screen enter the static IP address and subnet mask in the "IP Address" box using the format xxx.xxx.xxx xxx.xxx xxx.xxx. In the example below, I have entered "192.168.1.107 255.255.255.0". Make sure the BOOTP and DHCP Client are both in the "Off" position. A Default Gateway, Hostname, or Primary DNS can also be set at this time. After all the settings are correct hit the "**Submit**" button at the bottom of the screen. The changes will take effect on the next reboot.

DI- C X			Soogle
	Y	🗋 Windows Marketplace 💐 Windows Med	ia 📋 Windows
Lantronix Web Man	ager +		
	Web Manager		EVOLUTION OS
Status 🔂			This page is used to configure the Network interface on the device. T
CLI		Network 1	see the effect of these items after
Diagnostics		Interface Link	reboot, view the Status page. The following items require a rebo
ONS		Status Configuration	BOOTP Client On/Off
Email		DHCP Client On/Off	
Filesystem	Network 1 (eth	0) Interface Configurat	IP Address DHCP Client ID
TP HTTP		-	If BOOTP or DHCP is turned on, an
P Address Filter	BOOTP Client:	On ⊙Off	configured IP Address, Network Mask, Gateway, Hostname, or
ine	DHCP Client:	On Off	Domain will be ignored.
Network	IP Address:	192.168.1.107 255.255.	BOOTP/DHCP will auto-discover and eclipse those configuration
ppp	Default Gateway:	<none></none>	items. If both BOOTP and DHCP are turne
Protocol Stack	Hostname:	Ì	on, DHCP will run, but not BOOTP.
Query Port	Domain:		When BOOTP or DHCP fails to discover an IP Address, a new
RSS			address will automatically be
SNMP	DHCP Client ID:		generated using AutoIP. This address will be within the
SSH	Primary DNS:	<none></none>	169.254.x.x space. IP Address may be entered alone
Syslog	Secondary DNS:	<none></none>	in CIDR form, or with an explicit
System	Secondary Dits.		mask: 192.168.1.1 (default mask)
[erminal		Submit	192.168.1.1/24 (CIDR) 192.168.1.1 255.255.255.0 (explic
IFTP			mask)
Funnel KML			Hostname must begin with a lette continue with letter, number, or hyphen, and must end with a lette or number.
	0	nt © Lantronix, Inc. 2007-2009. All rigt	ate received

To reboot the Lantronix, either power cycle the unit or click on the "System" button on the left. Click the "**Reboot**" button under the system menu. After a prompt the Web Interface will close and then re-open showing the Device Status. Check to make sure the settings are correct. The unit should now be set to this Static IP address.

Status 1 CLI	System	When the device is rebooted, your browser should be refreshed and		
СРМ	Reboot Device		after 30 seconds. Note that the	
)iagnostics			redirect will not work as expected the IP Address of the device	
INS	Reboot	Reboot		
imail	Restore Factory Defaults	After setting the configuration back to the factory defaults, the device		
ilesystem	Factory Defaults	will automatically be rebooted.		
TP	Pactory Defaults	Be careful not to power off or rese		
ITTP	Upload New Firmware	the device while uploading new firmware. Once the upload has		
P Address Filter	•	completed and the new firmware has been verified and flashed, the		
ine	Linkert	Browse	device will automatically be	
letwork	Upload		rebooted.	
рр	Name			
Protocol Stack	Short Name			
Query Port	Short Name:			
RSS	Long Name:			
SNMP	Submit			
SH				
SL	Current Configuration			
yslog	Firmware Version:	4.0.0.0R16		
lystem	Short Name:	xport		
erminal	Long Name:	Lantronix XPort AR		
FTP				
unnel				
XML				

Status 쇼문 CLI	Device Status				
CPM	Product Information				
Diagnostics	Product Type:	Lantronix XPort A	D		
DNS	Firmware Version:	4.0.0.0R16			
Email	Build Date:	Jul 16 2009 (10:0	1:56)		
Filesystem	Serial Number:	<not available=""></not>	1.56)		
FTP	Uptime:	0 days 00:00:20			
нттр	Permanent Config:				
IP Address Filter	Network Settings	Gavea			
Line	Interface:	ethO			
Network	Link:		s Auto Half/Full (100 Mbps Full)		
PPP	MAC Address:	00:20:4a:00:00:00	, , ,		
Protocol Stack	Host:	<none></none>			
Query Port	IP Address:	192.168.1.107 / 255.255.255.0			
RSS	Default Gateway:	<none></none>			
SNMP	Domain:	<none></none>			
SSH	Primary DNS:	<none></none>			
SSL	Secondary DNS:	<none></none>			
Syslog	Line Settings				
System	Line 1:	RS232, 115200, I	None, 8, 1, None		
Terminal	Line 2:	RS232, 9600, None, 8, 1, None			
TFTP	Line 3:	Down RS232, 9600, None, 8, 1, None			
Tunnel XML	Tunneling	Connect Mode	Accept Mode		
	Tunnel 1:	Disabled	Waiting		
	Tunnel 2:	Disabled	Waiting		



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