DRAKE LIGHTING
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DOC-8565e
Rev. 1

SNMP Enabler Technical Manual

1. Table of contents

2. Default network settings of the SNMP enabler

2.1 Network

DCHP	Disabled
IP Address	192.168.1.25
Subnet Mask	255.255.255.0
Default Gateway	Not configured

2.2 SNMP

SNMP	Disabled
SNMP Traps	Disabled
Default read community	public
Default write community	Private

2.3 FTP

FTP username (1)	adminSNMP
FTP password (1)	SNMP!!tec015
FTP username (2)	admin
FTP password (2)	PASS

2.4 Web Interface

User name	**Default password**	**Rights**
user	useruser0!	Can see the light status
admin	adminadmin0!	Same as user but can also change the state and configuration of the light.
super admin	superadmin0!	Same as admin but can also change the Ethernet port settings (IP address and SNMP settings).

3. Initial set-up

3.1 Connecting to the SNMP enabler

To connect to the SNMP enabler, use one of the following methods:

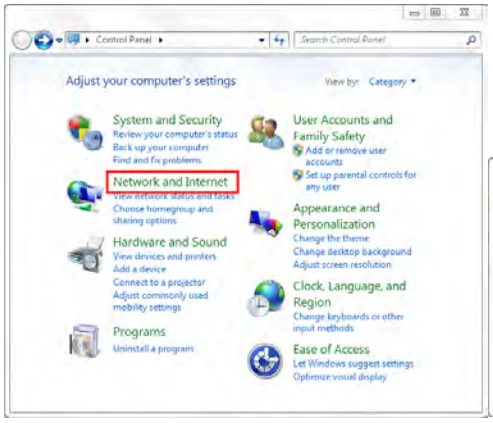
1) Connect a computer or laptop directly to the SNMP enabler Ethernet port. You may need to use a crossover Ethernet cable.
2) Connect the SNMP enabler directly to your network. Verify that the default address of the SNMP enabler is not conflicting with any other device on your network. Connect a

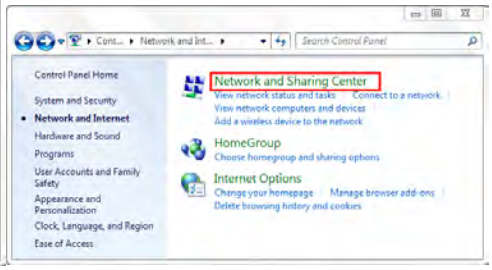
computer on the same network. You may need to use a straight-thru Ethernet cable for both the computer and the SNMP enabler.

In any case, you have to make sure your computer IP address is on the same subnet (192.168.1.x). Your computer IP address must also be different than the SNMP enabler IP address.

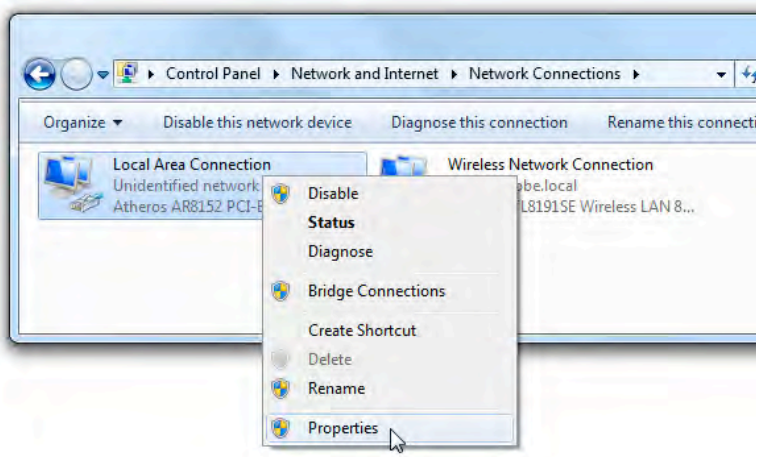
To change your computer IP address to be on the same subnet as the SNMP enabler, use the following steps with Microsoft Windows 7, 8 or 8.1.

1) Make sure you are logged in with administrative rights (as an administrator).
2) Go to control panel
   a. Windows 7 -> Click on the Start Menu and then on Control Panel
   b. Windows 8 or 8.1 -> Go to the Start Screen by pressing the Windows key on your keyboard ⊞. Then type “Control Panel”, then click on “Control panel” in the result.
3) Go to the network adapter settings
   a. Windows 7, 8 & 8.1 -> In Control Panel, click on “Network and Internet” and/or “Network and Sharing Center”. Then Click on “Change adapter settings” on the left pane.

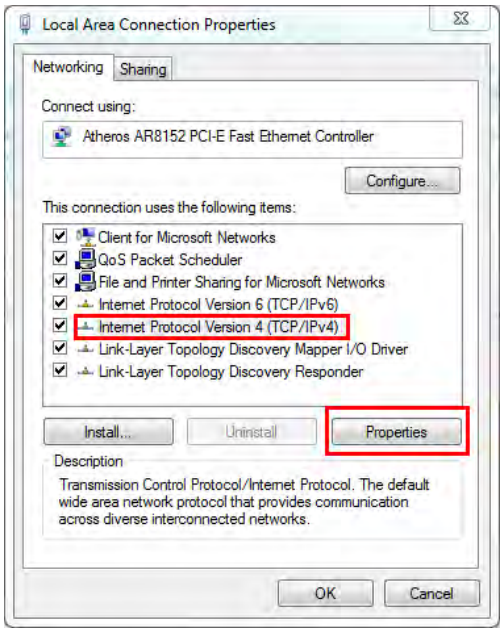




4) Go to the properties of your network adapter
   a. Windows 7, 8 & 8.1 -> Right click on your network adapter (in most case “Local Area Connection”) and choose “Properties” (Not on Wireless Network Connection). If your cable is connected, you should not see “Network cable unplugged”.



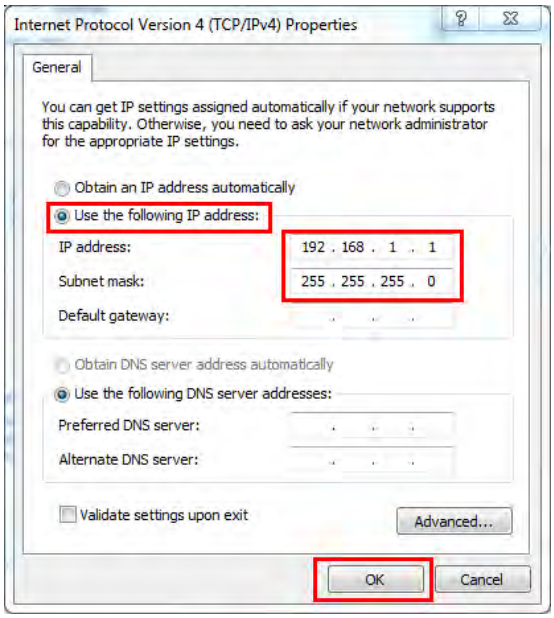
5) Click on “Internet Protocol Version 4 (TCP/IPv4)” and on “Properties”



6) Take note of the current settings in this page. You will need to put those settings back at the end of this set-up guide.

7) Click on “Use the following IP address:”

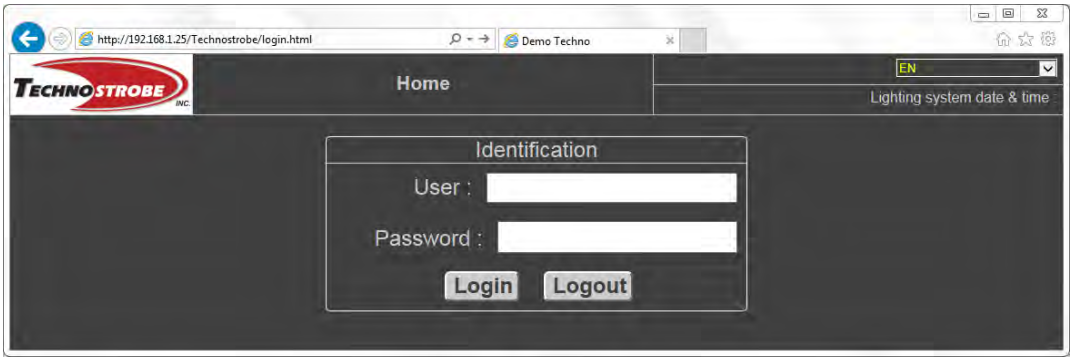
8) Beside “IP address:” enter the IP address you want to assign to your computer. If you connected your computer directly to the SNMP enabler you can use the IP 192.168.1.2 or any IP address different than the SNMP enabler default IP address in the format 192.168.1.x.



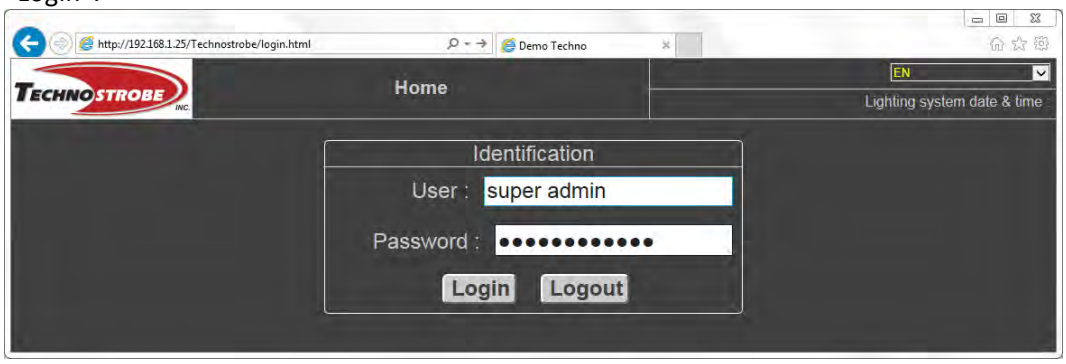
9) Beside “Subnet Mask:” enter 255.255.255.0
10) Click OK

3.2 Logging to the web interface

1) Turn on the light controller.
2) You now need to log on to the SNMP enabler web interface. Open an internet browser like Internet Explorer or Chrome.
3) In the address bar type the SNMP enabler default IP address (192.168.1.25) and hit enter.
4) You should see a page like this:

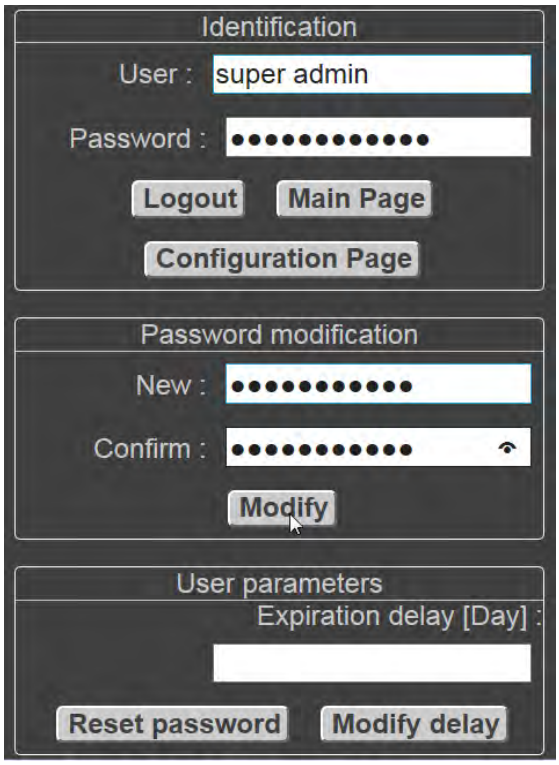


5) For the start-up configuration you will need to log using the super admin then click on “Login”.



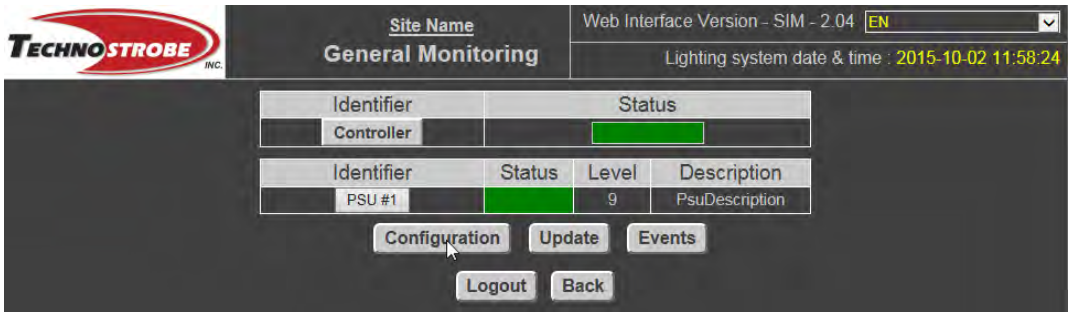
6) At first login you will be asked to change the password. You can either put back the existing password or enter a new one. To do so, under “Password modification”, enter the new password once beside “New”, and a second time beside “Confirm”, then click on “Modify”.

7) You can also enter an expiration delays for the password. To do so, enter an expiration delay in days beside “Expiration delay [Day] :” then click on “Modify Delay”.



3.3 Adjusting Date and Time used for event logging.

1) From the login page titled “Home” click on “Main Page”. From the “General Monitoring” page click on “Configuration”.



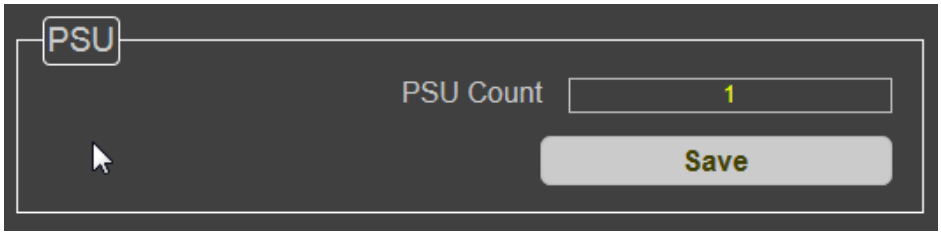
2) Under “Date & Time”:
   a. Beside “Time Zone Offset” enter the time zone where the light is located. Beside “Daylight Saving Time”, check if Daylight Saving Time is active where the light is located.
   b. Beside “Source” select “UserDefine”
   c. Enter the Year, Month, Day, Hour, Minute, Second of the current Date and Time where the light is located.
3) Click on the save button when done.
4) After changing the date & time, you may need to login again using super admin. If so, once you’re logged back, click on “Main Page” and “Configuration”. This will bring you back to this section.

3.4 Entering site information

1) Under “Customer Information”, you can specify a Site Name, Custommer’s Name and an Installation Date for future reference.
2) Click on the save button when done.

3.5 Configuring the number of light present.

1) Under PSU, set “PSU Count” to the number of light connected to the same SNMP enabler then click on “Save”.



2) Click on the “Back” button at the end of the page.
3) Click again on the “Back” button to return to the login page.

3.6 Ethernet Port Configuration

From the login page titled “Home” click on “Configuration Page”. This will bring you to the Ethernet port (XPort Pro) configuration page.

3.6.1 SNMP Configuration

1) Click on “SNMP” on the left pane.
2) You can enable or disable SNMP communication on the line “State”.

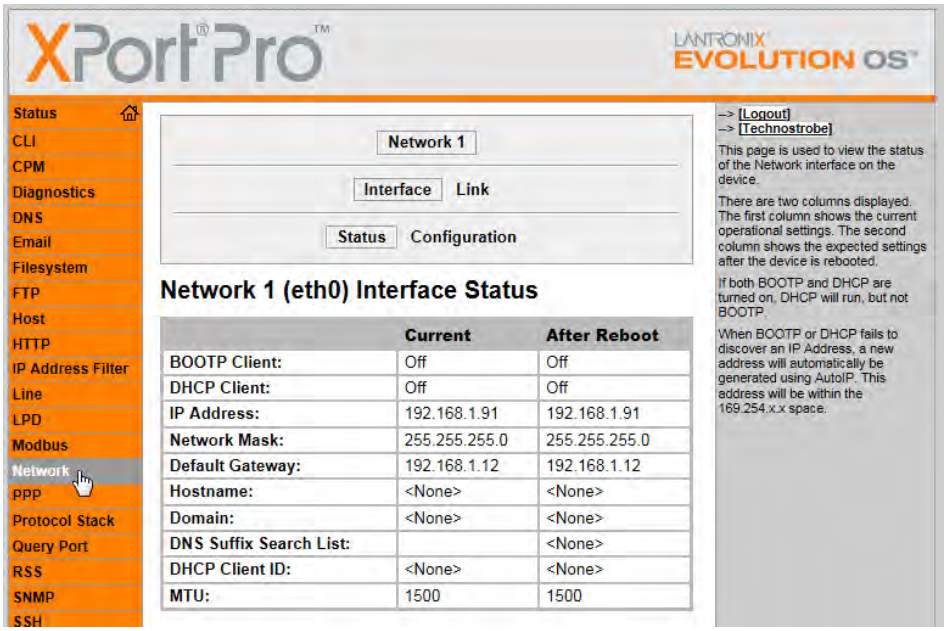
   If you intend to use SNMP communication, you must make sure the community on your SNMP manager correspond to those configured here.

   For security purpose, it is advised to change the default community and reflect the change on your SNMP manager. To do so, enter your preferred community beside “Read Community:” and “Write Community:”.
3) You can enable or disable SNMP traps on the line “Traps State”.

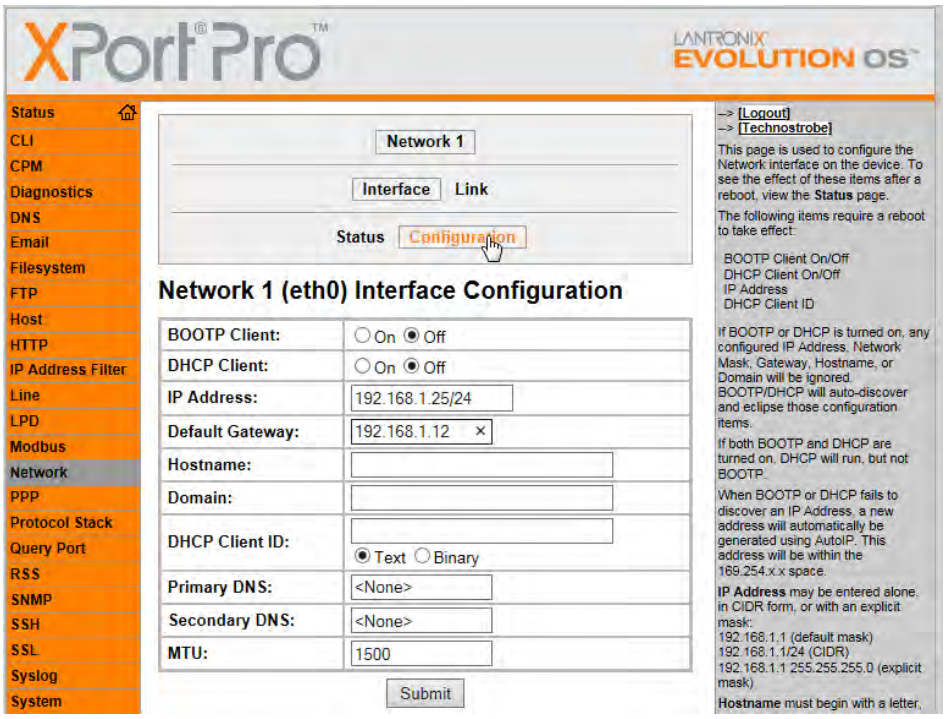
   If you intend to use SNMP traps, enter a traps destination IP address on the line “Traps Primary Destination”. You can also add a secondary destination IP address beside “Traps Secondary Destination”.
4) Click on “Submit”.

3.6.2 Setting the IP address

1) Click on “Network” on the left pane.

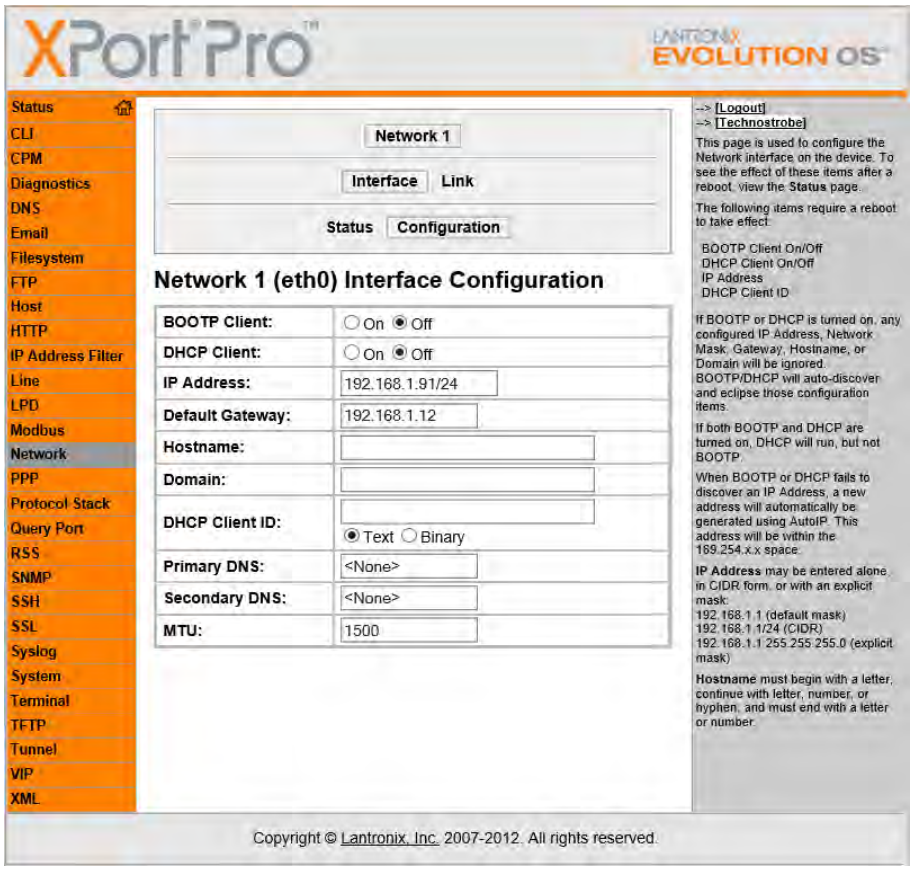


2) Click on “Configuration”.



3) Here you can set the IP address for the light as following:

DHCP Client	Turn ON if you want your DCHP server to assign an IP automatically to the SNMP enabler. Turn OFF if you want to set a static IP address.
IP Address	The IP Address may be entered alone, in CIDR form, or with an explicit mask : Default mask : 192.168.1.25 CIDR : 192.168.1.25/24 Explicit mask : 192.168.1.25 255.255.255.0
Default Gateway	If you intend to connect to the SNMP enabler from outside your network you must enter the IP address of your router here.



4) Click on “Submit” to save changes.
5) Click on “System” on the left page and then on “Reboot”.
6) Select OK.
7) If your computer is connected directly to the SNMP enabler, disconnect it and connect it to your network with an Ethernet cable.
8) **Set your computer IP address as it was before changing it**

4. Software update

This section describe how to update the software of the SNMP enabler.

4.1 Preparation

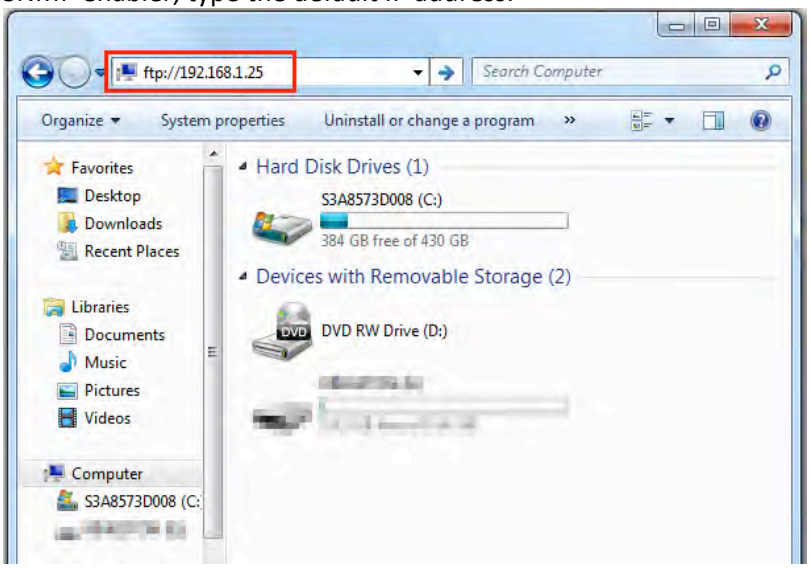
To update your SNMP enabler, you should have received an update package from Technostrobe. Unzip the content of the zip file in a known folder on your computer. The zip file contain a folder named “http” and a file named “xport_pro.romz”. A mib file may be included.

You also have to connect a computer to the same network as the SNMP enabler.

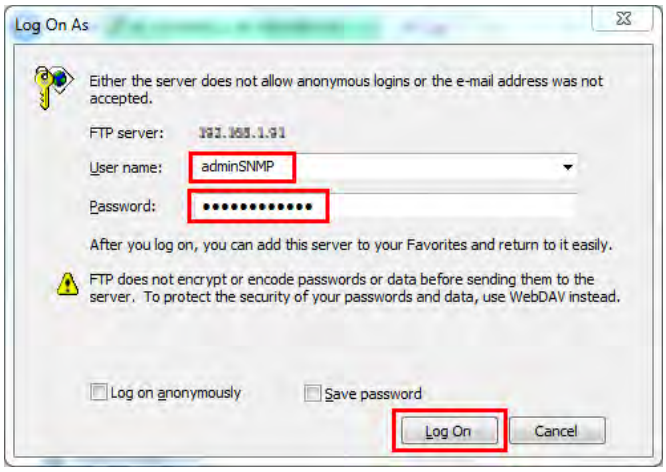
4.2 Update HTTP folder

1) In Microsoft Windows, open Explorer (not Internet Explorer).

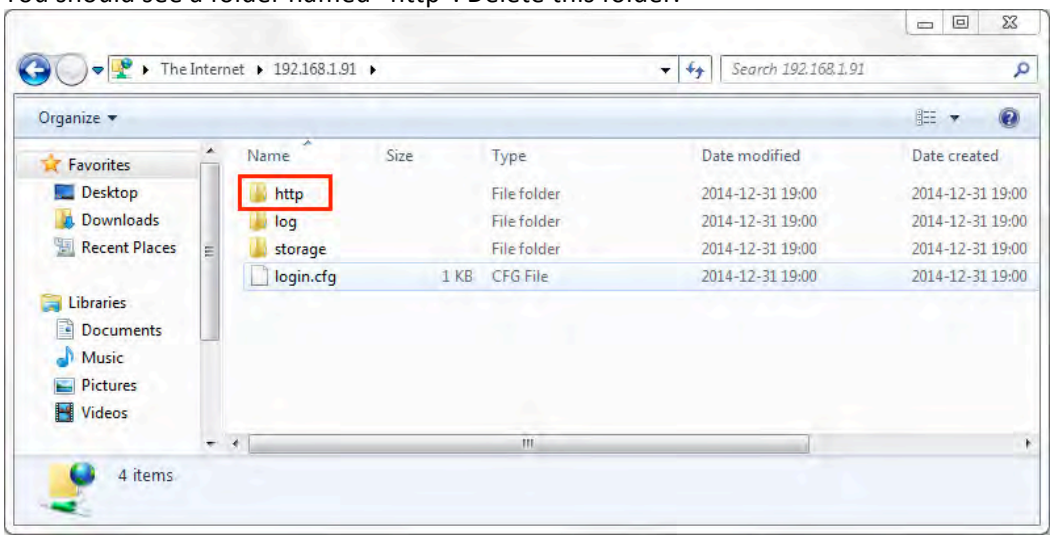
2) In the address bar type “ftp://ip.address”. Replace “ip.address” by the IP address of the SNMP enabler to update and press enter. If you did not change the IP address of the SNMP enabler, type the default IP address.



3) You should be asked for a user name and password; enter the default FTP username and password. There is 2 different default username and password, use the second if the first doesn’t work.



4) Click on “Log On”
5) You should see a folder named “http”. Delete this folder.



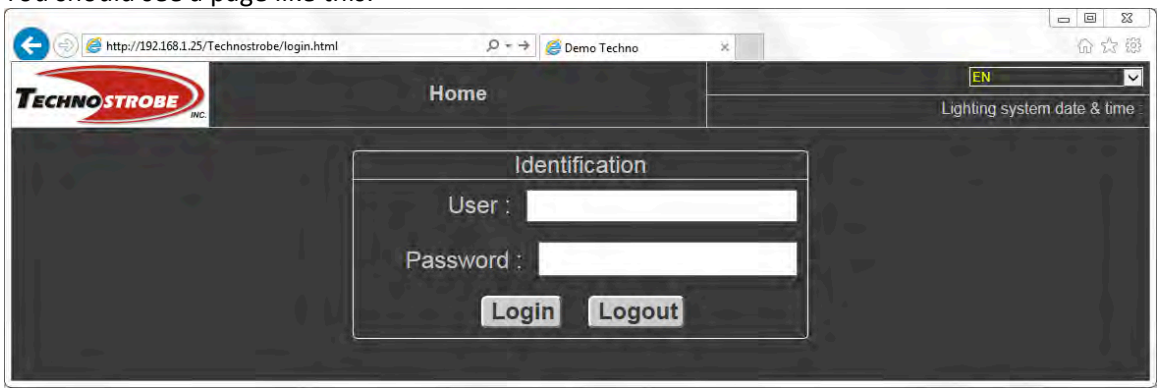
6) Copy the folder “http” from the update package to this window.
7) Wait for all files to transfer.
8) Close the FTP window.

4.3 Update xport_pro.romz

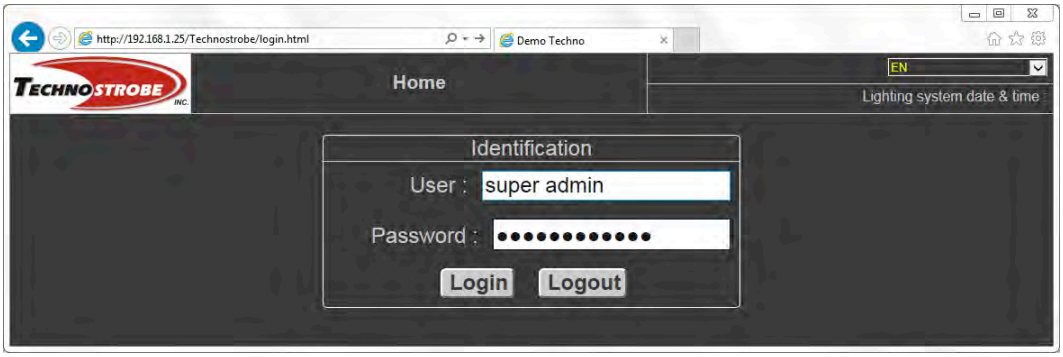
Do the following steps to update the “xport_pro.romz” file :

1) Open a web browser like Internet Explorer or Chrome.
2) In the address bar type the SNMP enabler default IP address (192.168.1.25) and hit enter.

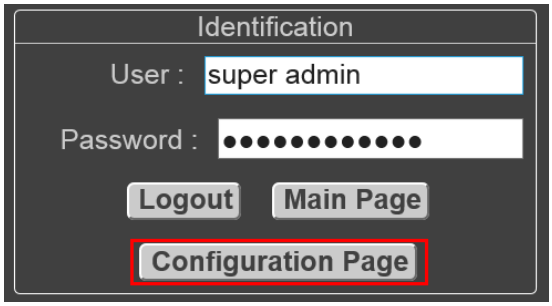
3) You should see a page like this:



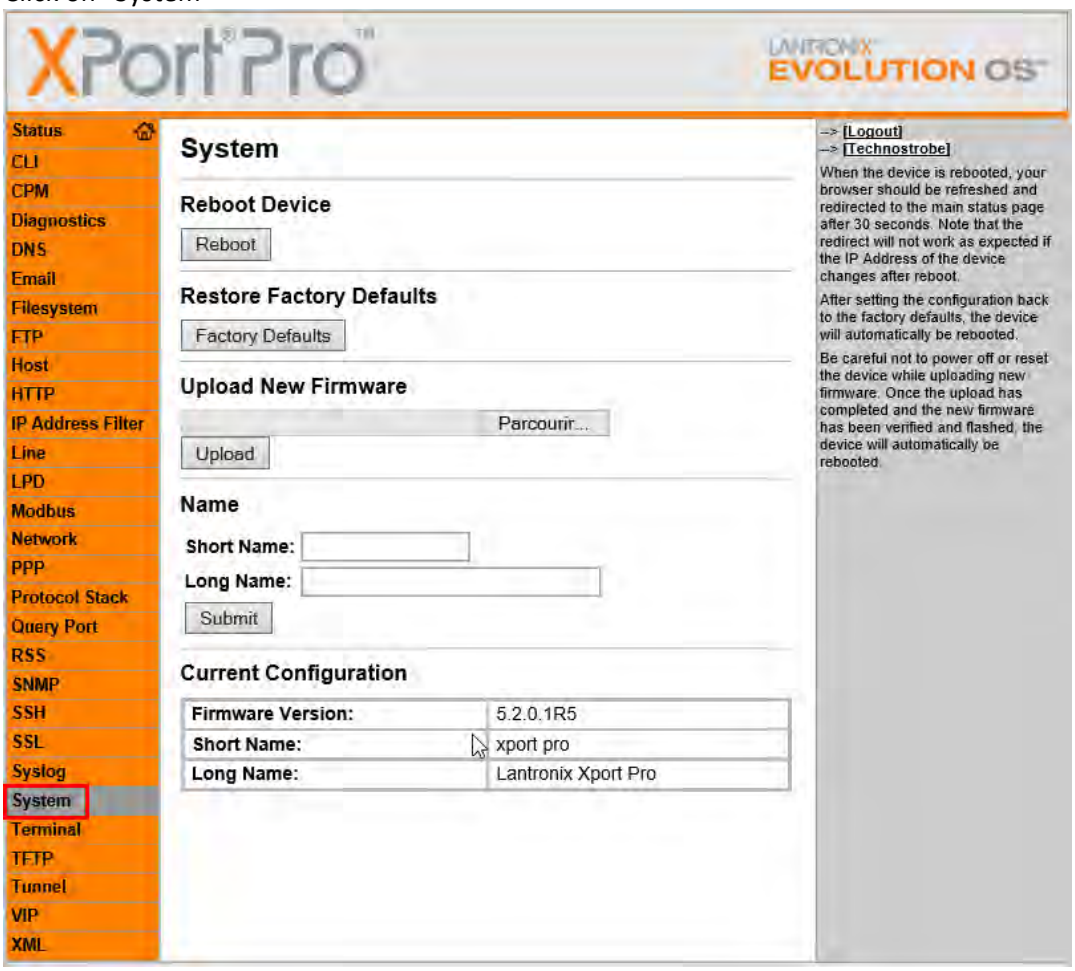
4) For the start-up configuration you will need to log using the super admin then click on "Login".



5) From the login page titled "Home" click on "Configuration Page". This will bring you to the Ethernet port (XPort Pro) configuration page.



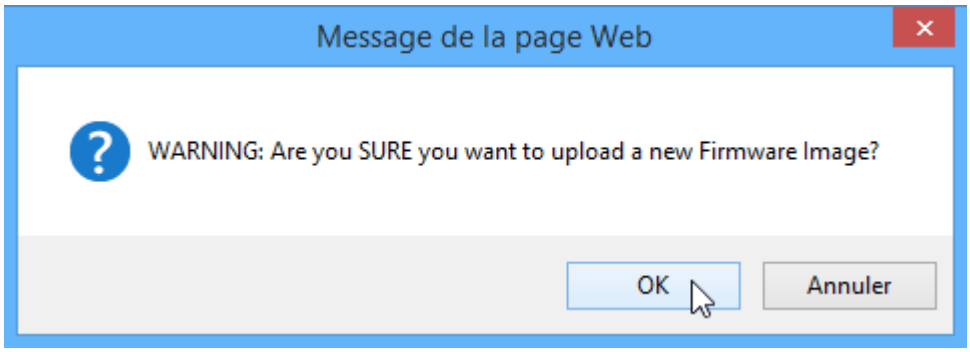
7) Click on “System”



8) Click on browse and select the file “xport_pro.romz” from the update package.

9) Click on “Upload”.

10) Click on "OK"



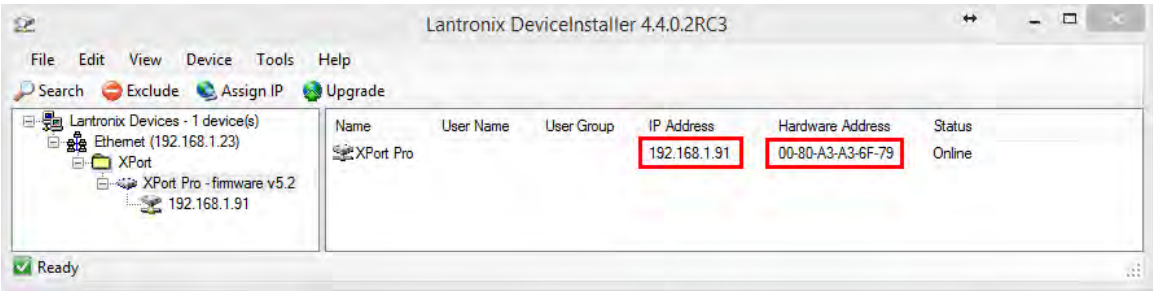
11) Wait 30 seconds and close your browser.

5. Finding the IP address of the SNMP enabler

The best way to find the IP address of a SNMP enabler is to use a computer on the same network and run Device Installer. Using Device Installer, you can search all SNMP enabler within your local area network.

You can download Device Installer from the Lantronix website at (http://www.lantronix.com/products/deviceinstaller/).

Open Device Installer and it will automatically start to search for devices. It will take several seconds for the list of devices to display in the device list. In the image below, Device Installer found one device with IP address 192.168.1.91.



You may find more than one device on your network. In this case, use the MAC address to differentiate devices. The MAC address is printed on the label on the SNMP enabler. On the image below the MAC address is 00-20-4A-C4-DF-E8.

You should note that if your PC has more than one network adapter (example: Ethernet and Wi-Fi), you can select the one you want using. In Device Installer, click on the menu “Tools”, “Options” and in the tab “Network” select the network adapter to use.