

MAG^X2

P27 TCP-IP Installation



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1 INTRODUCTION

This document describes install and setup the TCP/IP module under MS Windows XP SP2.

1.1 System requirements

There are minimum hardware and software requirements of your computer that must be satisfied to ensure that the software functions properly. These are:

- PC with network card
- MS Windows XP operating system with service pack 2 or higher
- MAGX2 Software or other
- MAGX2 flowmeter with TCP/IP module.

2 INSTALLATION

2.1 Installation of DeviceInstaller

Latest version of DeviceInstaller:

http://ltxfac.custhelp.com/cgi-bin/ltxfac.cfg/php/enduser/std_adp.php?p_faqid=644

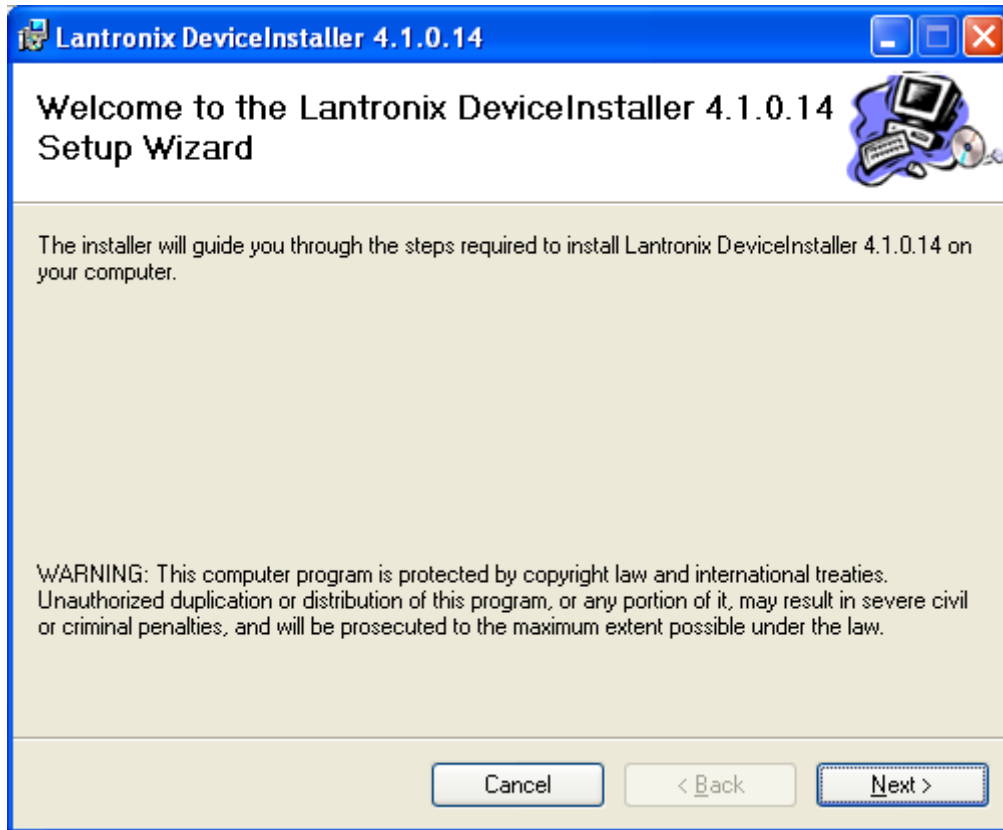


Fig. 1: Proceed with Next

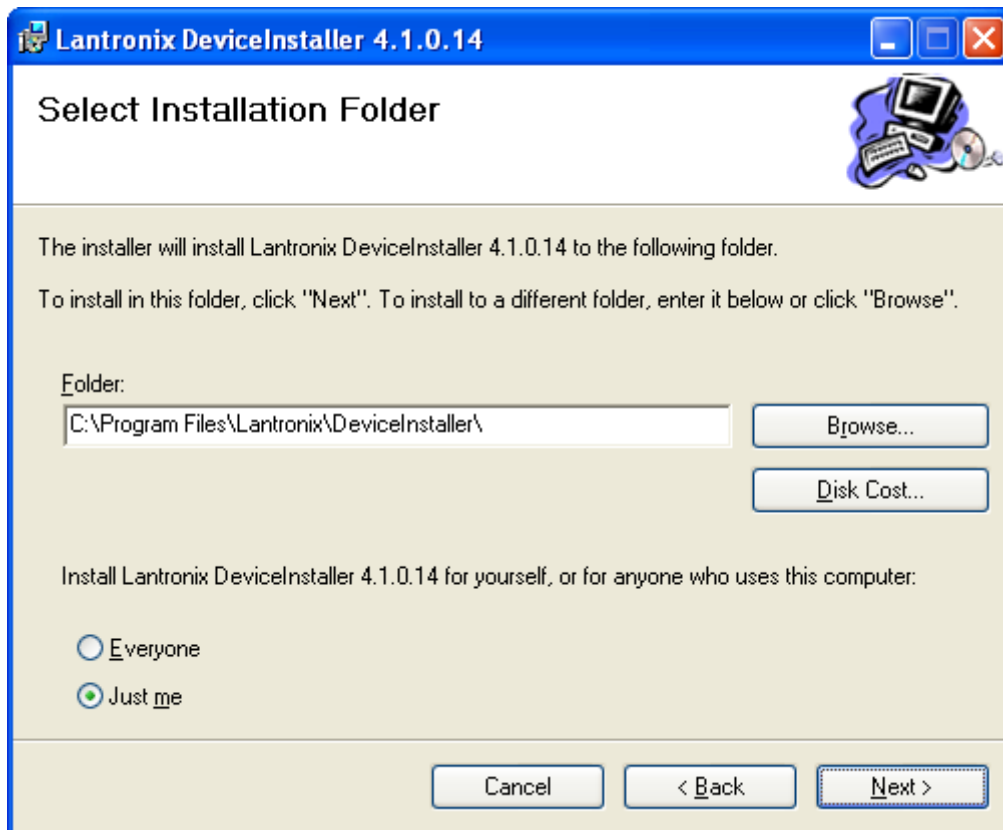


Fig. 2: Choose Folder and proceed with Next button

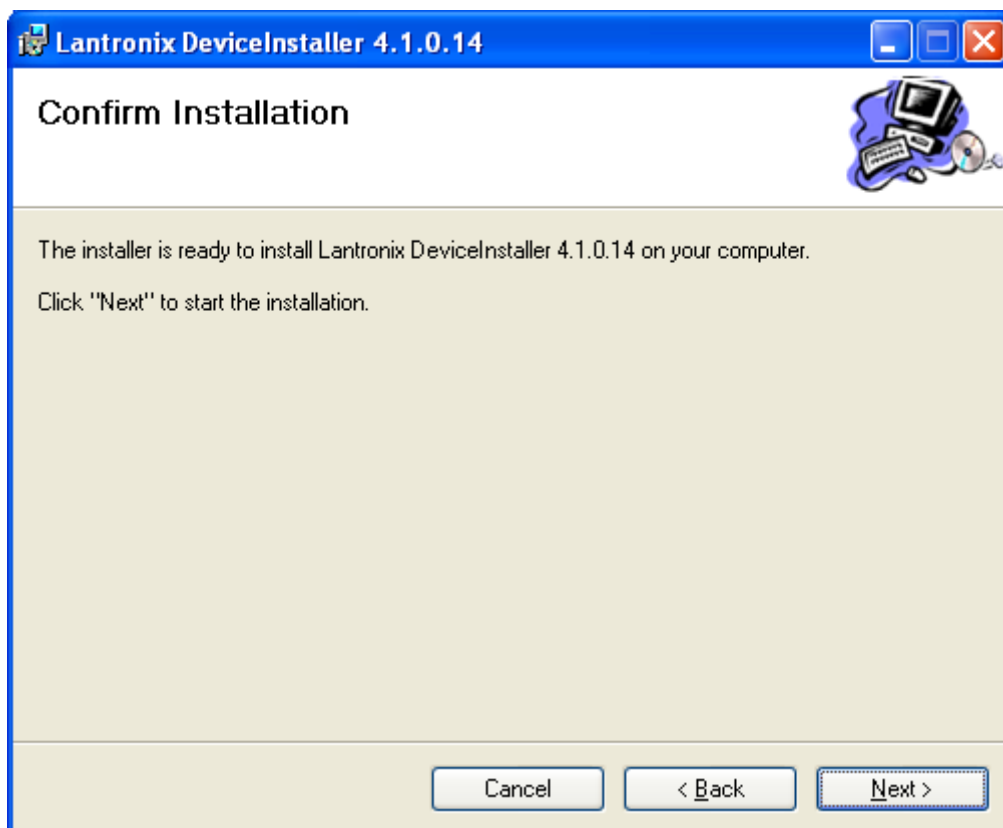


Fig. 3: Start the installation with Next button

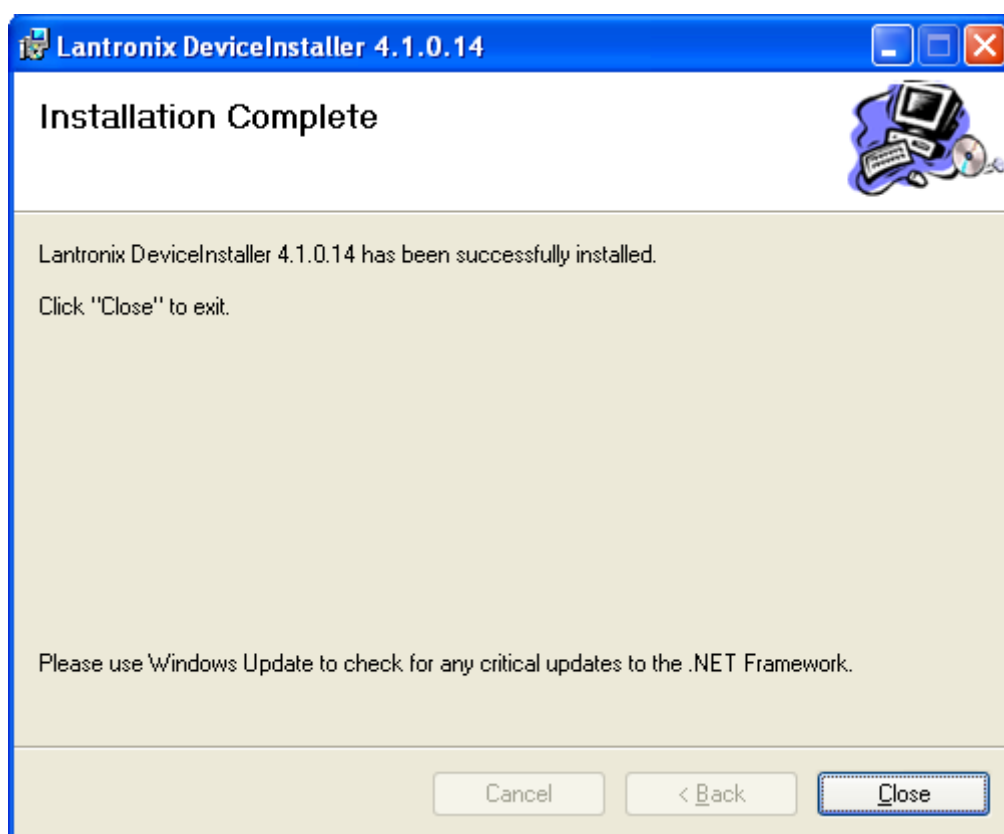


Fig. 4: After complete installation click on Close button

2.2 Setup IP address of TCP/IP

Attach network cable to TCP/IP module. Connect MAGX2 flowmeter with TCP/IP module to the power line – see User Guide for detailed informations.. Run Lantronix DeviceInstaller.

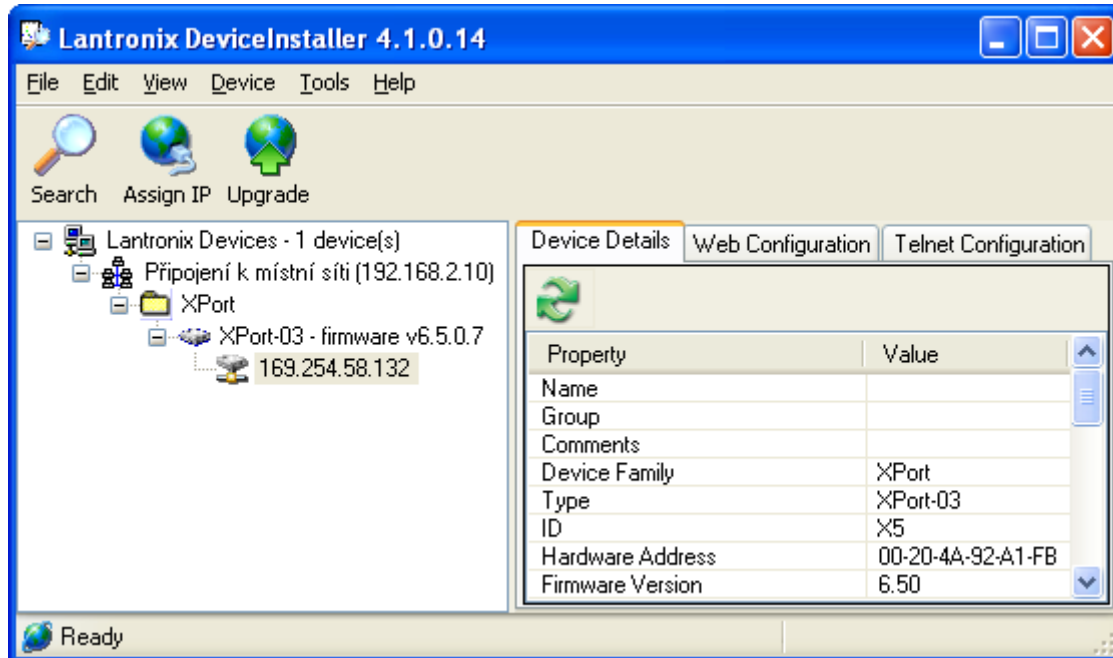


Fig. 5: You can change the IP address click on the Assign IP icon

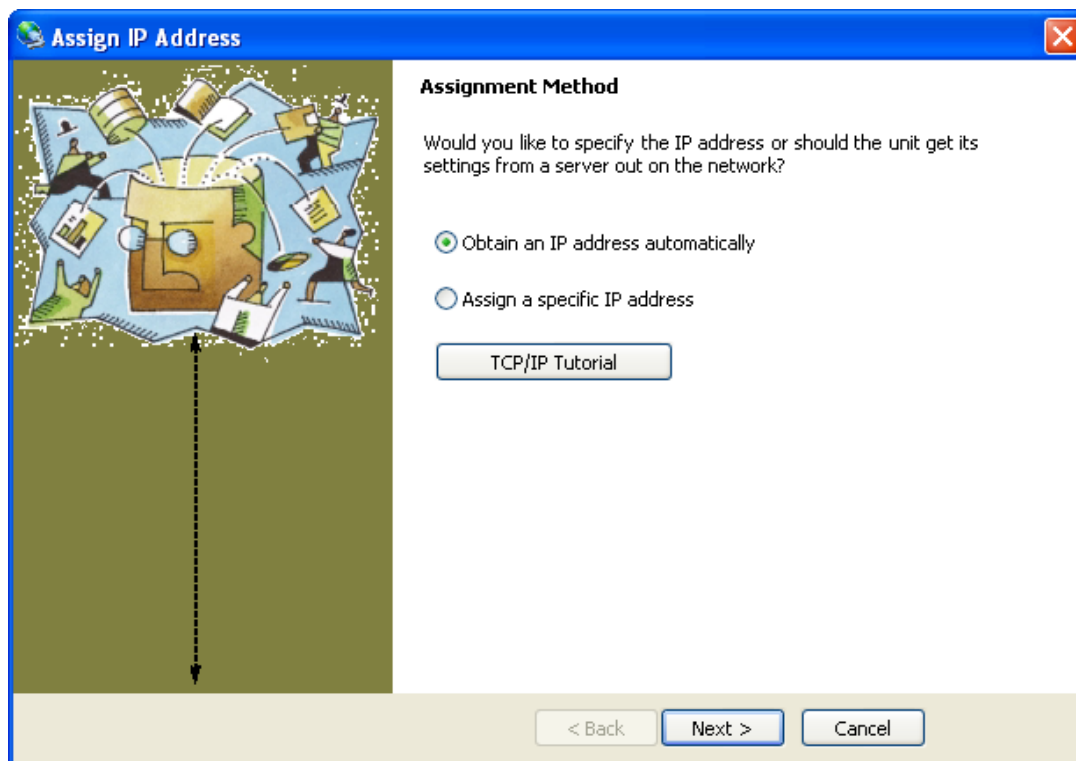


Fig. 6: You can choose automatically or specific IP address Assign and click on Next button

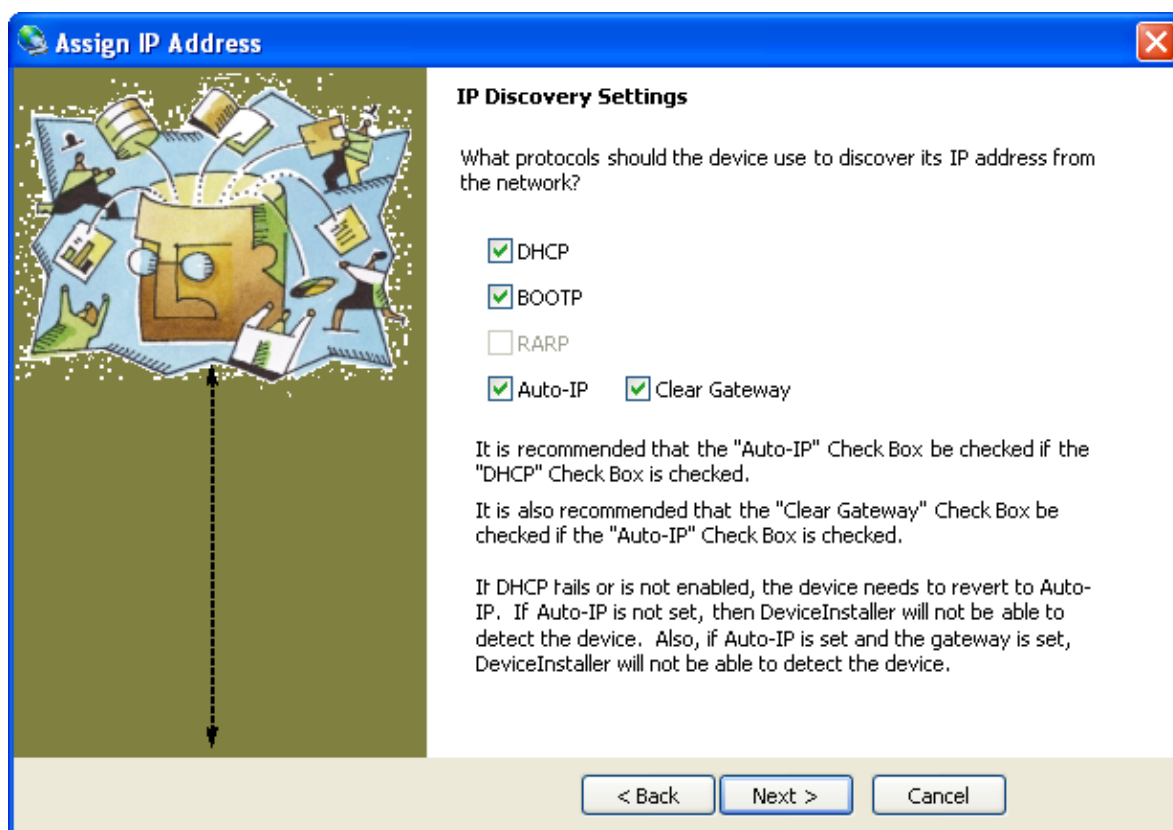


Fig. 7: For Obtain an IP address automatically option

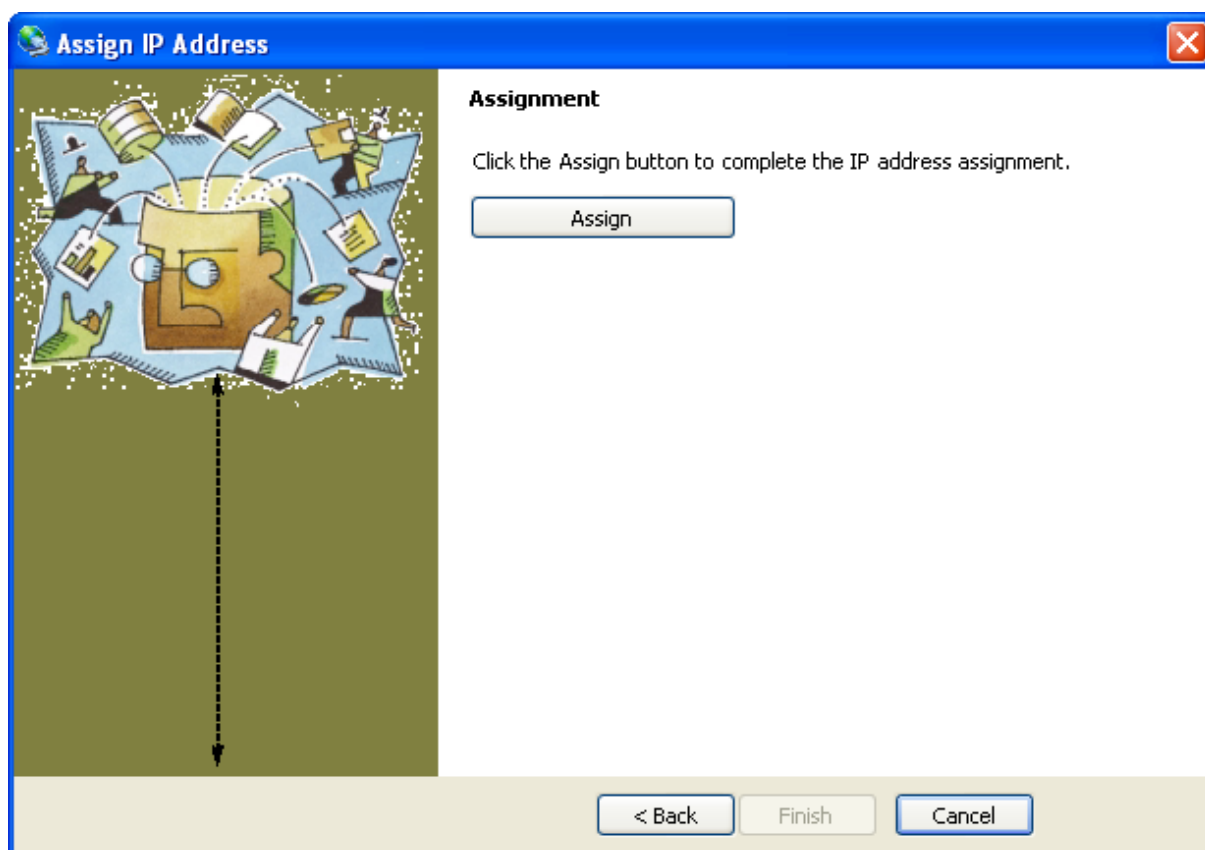


Fig. 8: Click on Assign button

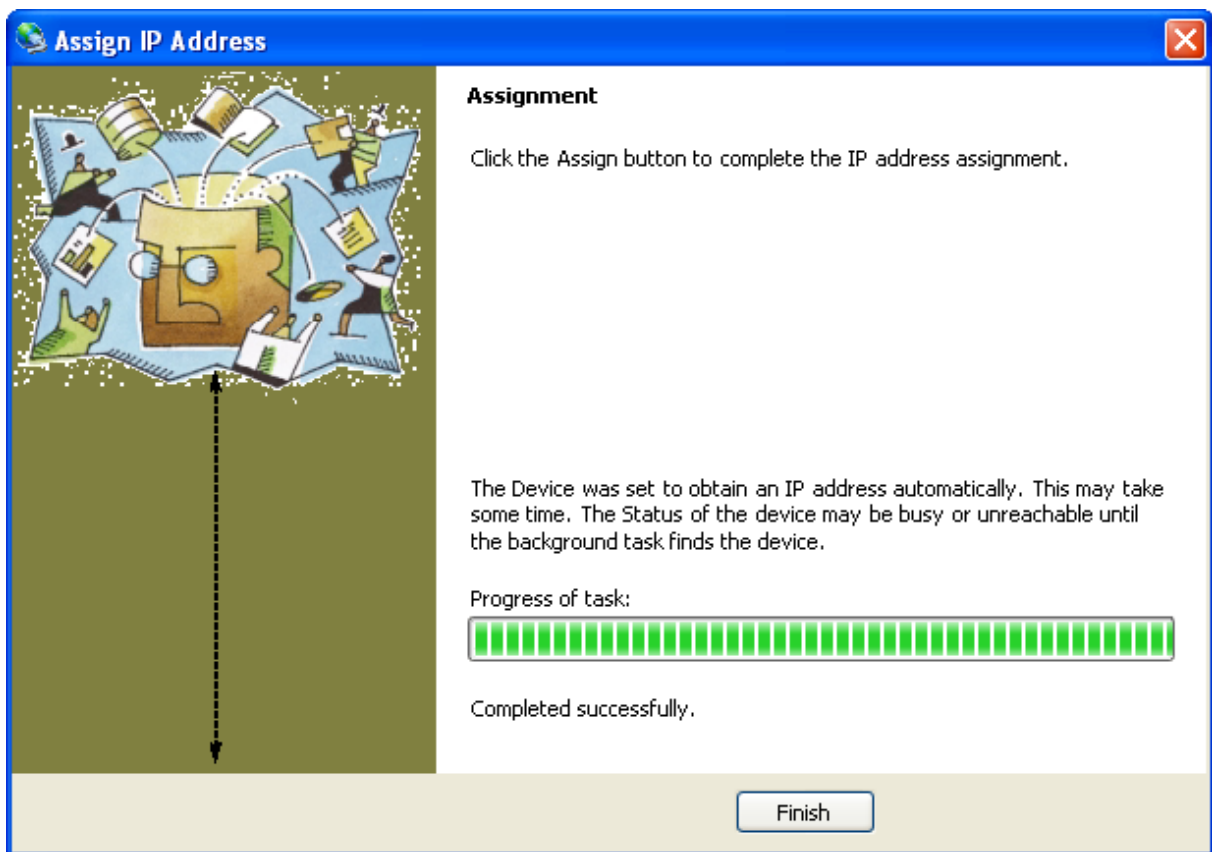


Fig. 9: For completion installation click on Finish button

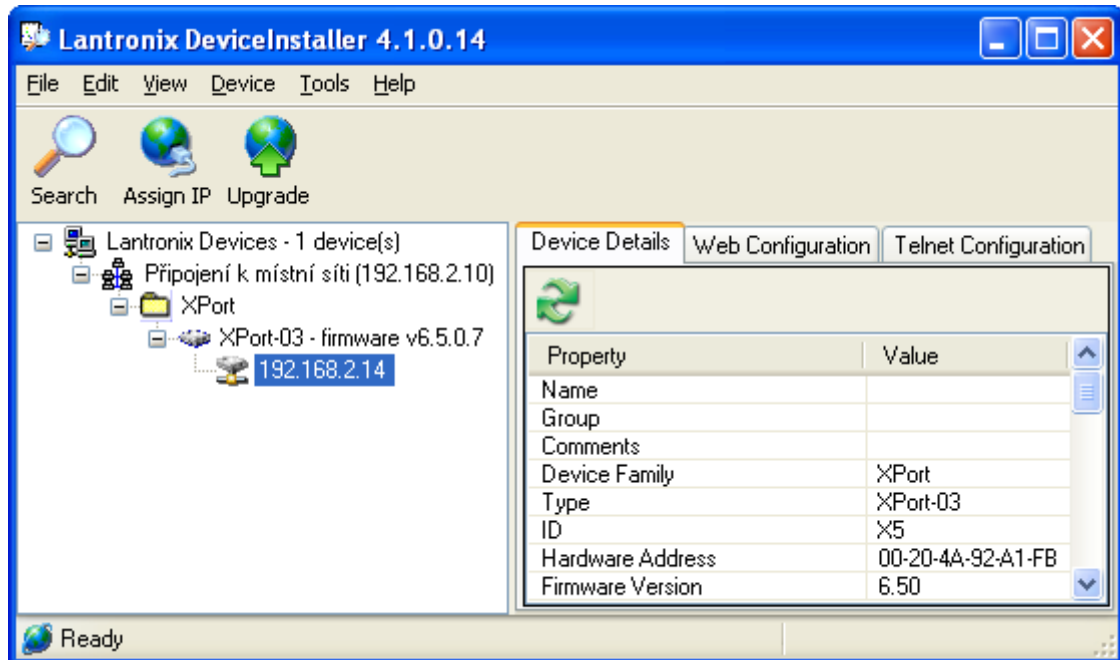


Fig. 10: Now TCP/IP module has new IP address (192.168.2.14 for this example)

3 COMMUNICATION PARAMETERS SETTINGS

3.1 Open the TCP/IP module settings

- Open your web browser and write the new assigned IP address to the web site address.
- Do not enter User Name and Password and click on button OK.

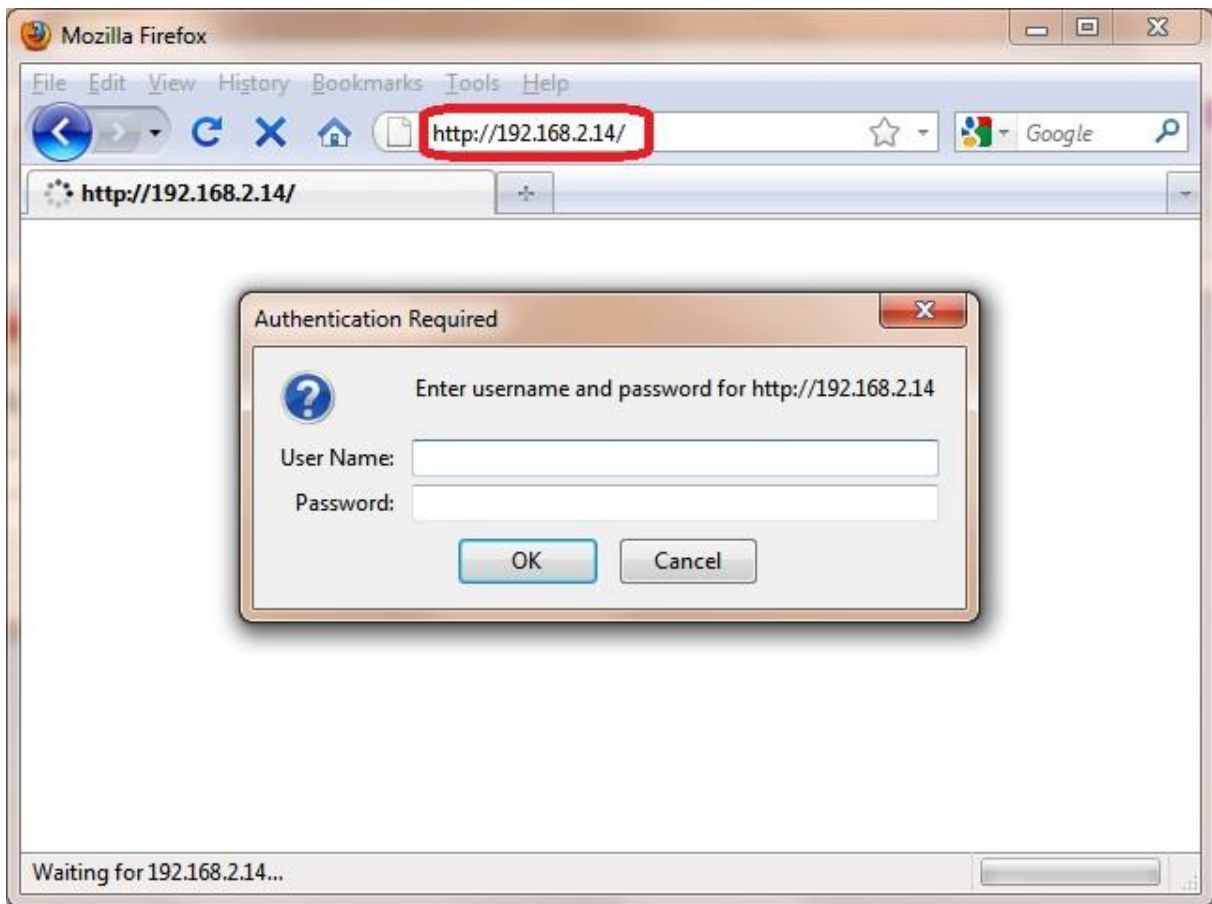


Fig. 11: Login to the TCP/IP module settings

3.2 Serial port settings

- Click on Serial Settings and set up the Port Settings
- Set up the Protocol to **RS232**, Flow Control to **None**, Baud Rate to **19200**, **Data Bits** to **8**, Parity to **None** and **Stop Bits** to **1**.
- Click on **OK** button and then click on **Apply Settings** for save the settings.

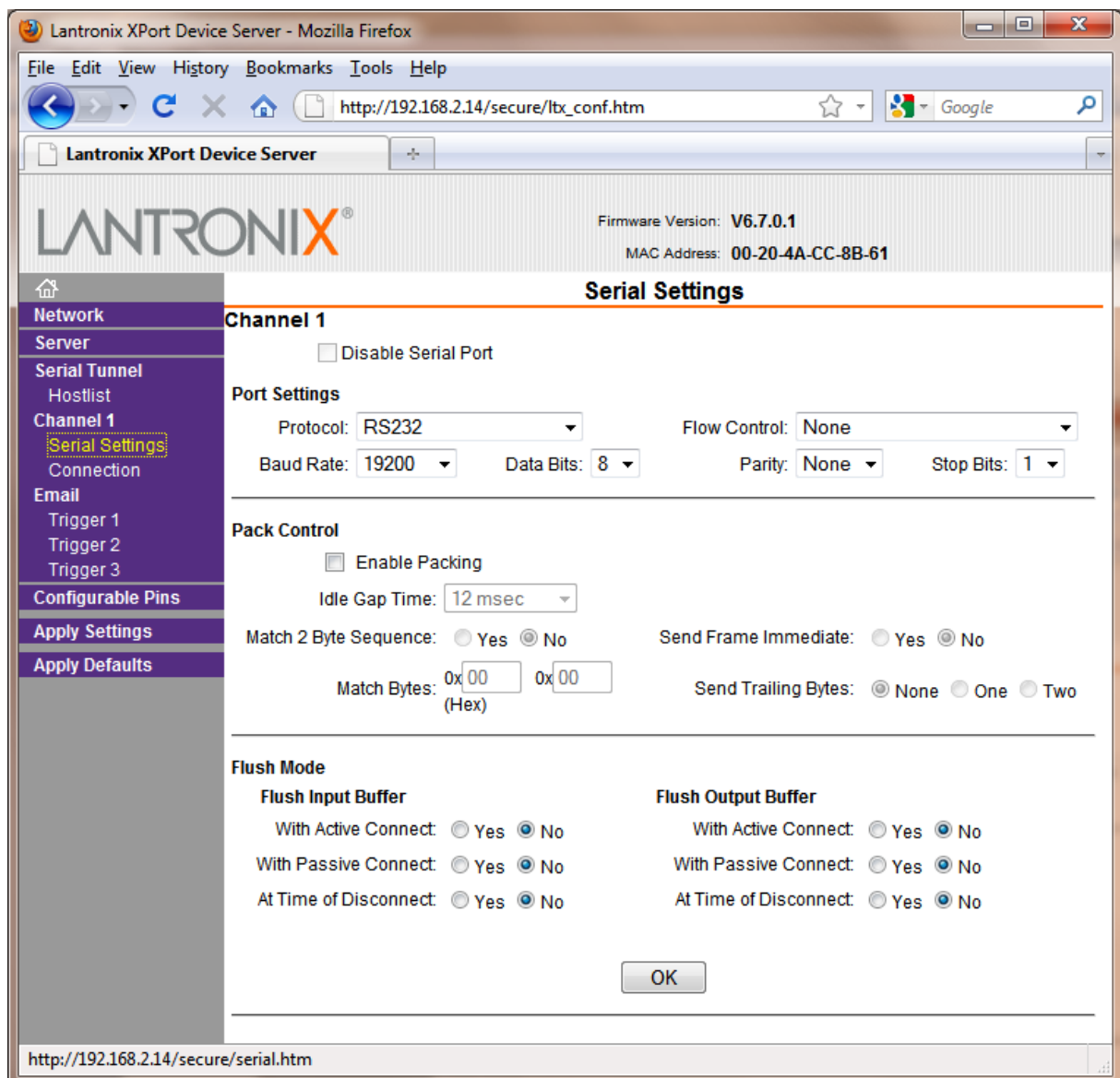


Fig. 11: Serial port settings

3.3 TCP/IP connection settings

- This setting is not necessary for right connection via MAGX2 SW.
- You can change the TCP/IP communication Local Port if you need.
- The default TCP/IP communication **Local Port** is **10001**.
- Click on **OK** button and then click on **Apply Settings** for save the settings.

The screenshot shows the 'Connection Settings' page of the Lantronix XPort Device Server web interface. The browser window is titled 'Lantronix XPort Device Server - Mozilla Firefox' and the address bar shows 'http://192.168.2.14/secure/ltx_conf.htm'. The page header includes the Lantronix logo, 'Firmware Version: V6.7.0.1', and 'MAC Address: 00-20-4A-CC-8B-61'. A left sidebar contains navigation links: Network, Server, Serial Tunnel, Hostlist, Channel 1, Serial Settings, Connection, Email, Trigger 1, Trigger 2, Trigger 3, Configurable Pins, Apply Settings (highlighted), and Apply Defaults. The main content area is titled 'Connection Settings' and contains the following sections:

- Channel 1**
 - Connect Protocol**: Protocol: TCP (dropdown)
 - Connect Mode**
 - Passive Connection**: Accept Incoming: Yes (dropdown), Password Required: Yes (radio), No (radio), Password: (text field), Modem Escape Sequence Pass Through: Yes (radio), No (radio)
 - Active Connection**: Active Connect: None (dropdown), Start Character: 0x0D (in Hex), Modem Mode: None (dropdown), Show IP Address After RING: Yes (radio), No (radio)
 - Endpoint Configuration**: Local Port: 10001, Remote Port: 0, Remote Host: 0.0.0.0, Auto increment for active connect (checkbox)
 - Common Options**: Telnet Com Port Cntrl: Disable (dropdown), Connect Response: None (dropdown), Terminal Name: (text field), Use Hostlist: Yes (radio), No (radio), LED: Blink (dropdown)
 - Disconnect Mode**: On Mdm_Ctrl_In Drop: Yes (radio), No (radio), Hard Disconnect: Yes (radio), No (radio), Check EOT(Ctrl-D): Yes (radio), No (radio), Inactivity Timeout: 0 : 0 (mins : secs)
- Buttons**: OK

The status bar at the bottom indicates 'Waiting for 192.168.2.14...'.

Fig. 12: TCP/IP connection settings

4 STARTING THE PROGRAM

- After all settings of TCP/IP interface you can start using it with MAGX2 software.
- An example of setting the TCP/IP communication, see following picture.

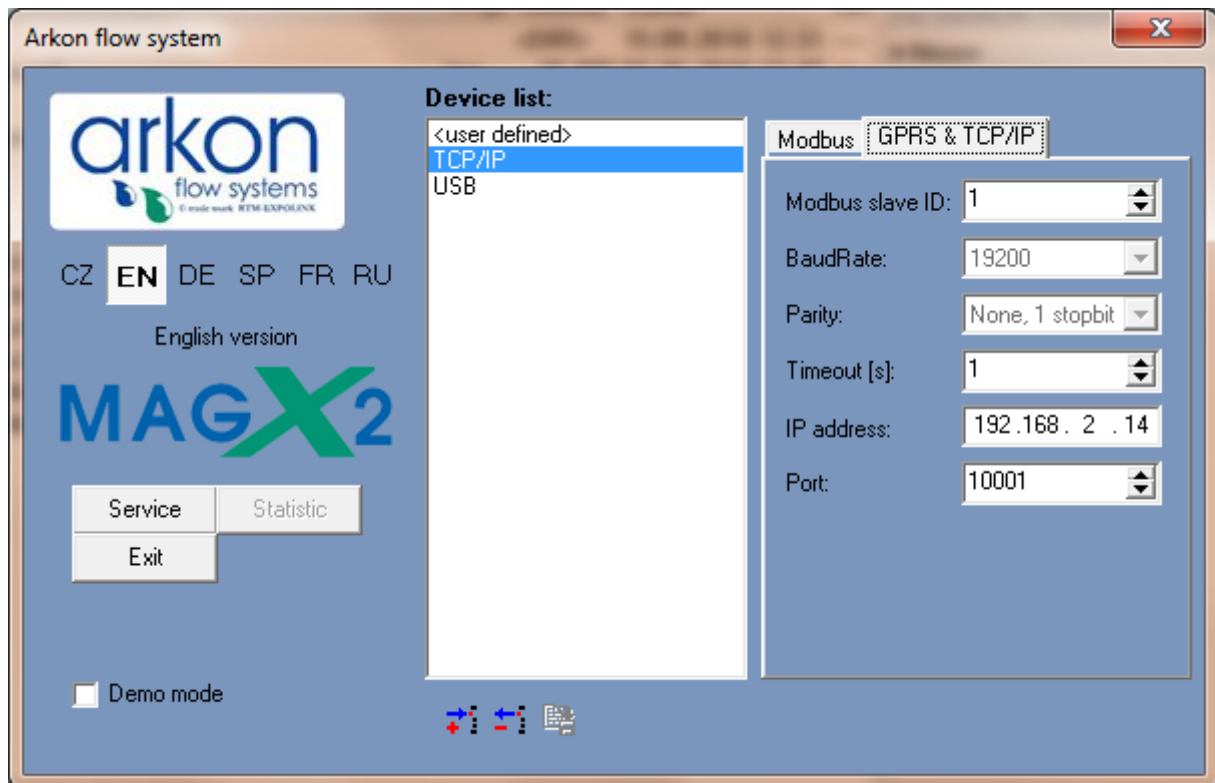


Fig. 13: Setup correct IP address and Port