LED Light Source

Ethernet Manual

(XPort [Lantronix] Application Tool)

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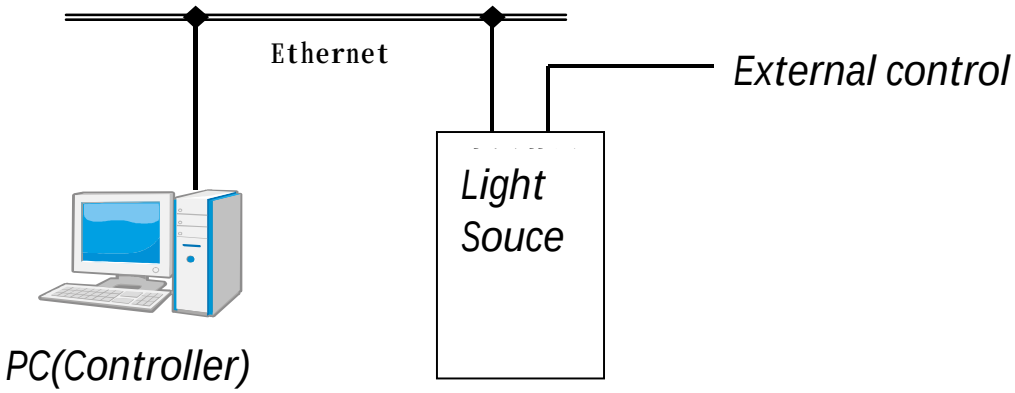
1. Outline

This section describes the default settings on the PC side for operating the light source via Ethernet.
The Ethernet device of this measure uses Lantronix X-PORT.
About the operation method using command signal, please see the "Command Manual".
The OS is Windows 10.

2. Connection image view



3. Connector

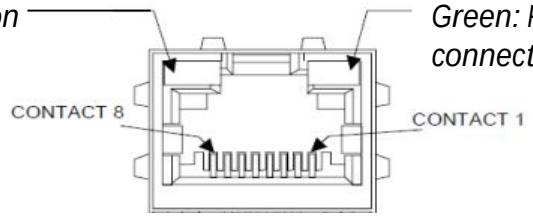
RJ45 Connector pin assignment

Signal Name	DIR	Contact	Primary Function
TX+	Out	1	Differential Ethernet transmit data +
TX-	Out	2	Differential Ethernet transmit data -
RX+	In	3	Differential Ethernet receive data +
RX-	In	6	Differential Ethernet receive data -
Not used		4	Terminated
Not used		5	Terminated
Not used		7	Terminated
Not Used		8	Terminated
SHIELD			Chassis ground

Display function

Left side LED
No: No connected to HUB
Green: 100BASE-T connection

Right side LED
No: No connected
Green: Full Duplex connection



4. Prepare program

・Device setting program

XPortDevice setting program 「DeviceInstaller」
Download site http://ltxfaq.custhelp.com/app/answers/detail/a_id/644
(Please search [DeviceInstaller] for the latest version)

・Virtual port allocation program

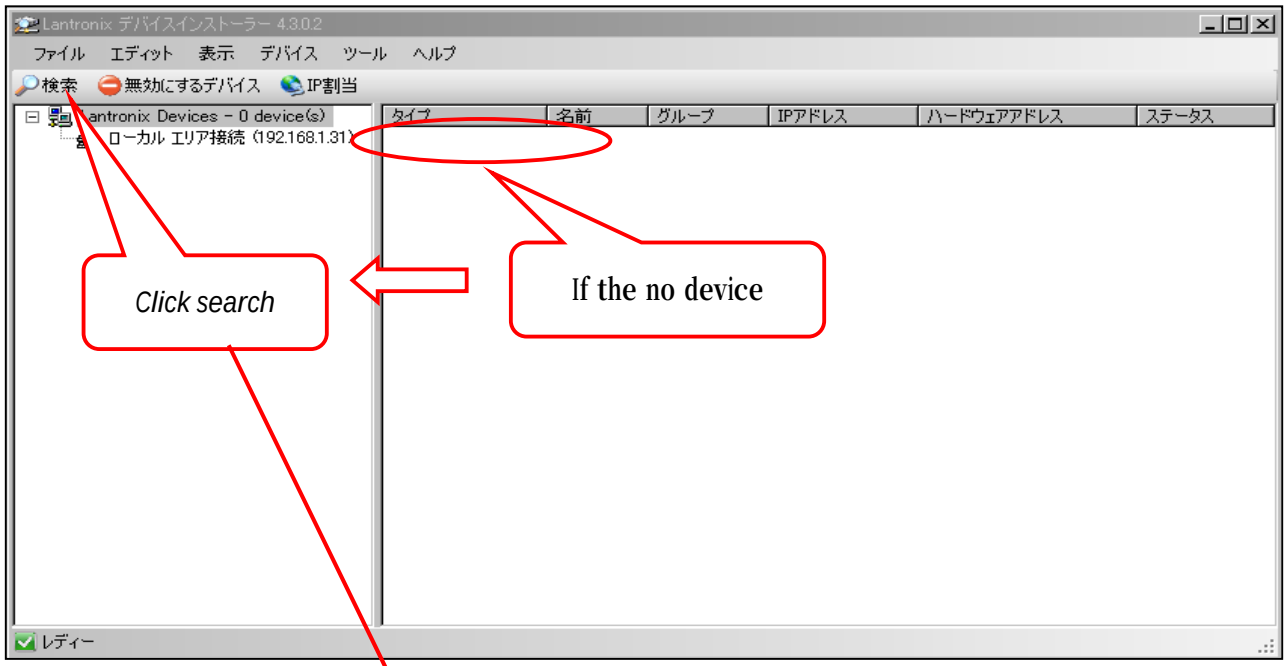
XPort Virtual port allocation program 「ComPort Redirector」
Download site http://ltxfaq.custhelp.com/app/answers/detail/a_id/928
(Please search [ComPort Redirector] for the latest version)

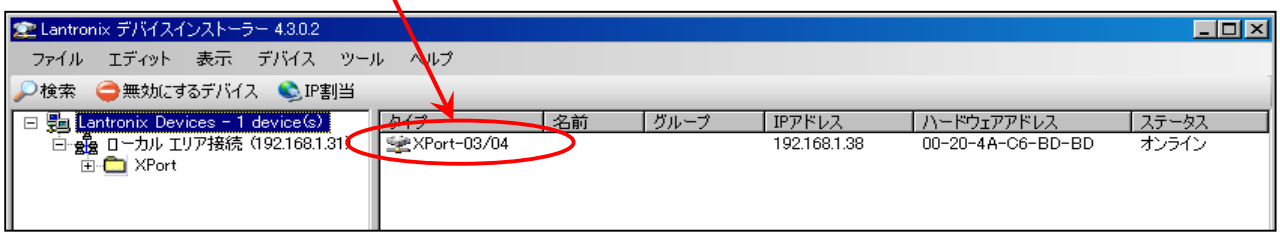
Please download each program and install.
For more information, please refer the Lantronix manufacturer site.

5. Installation process

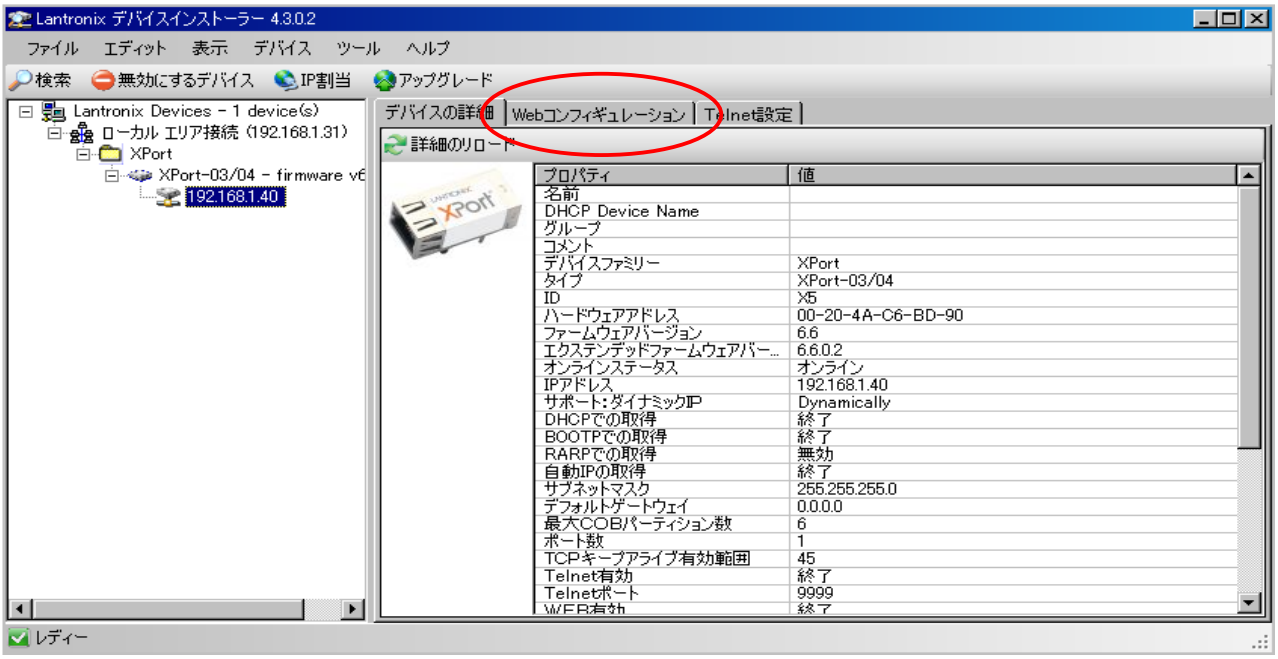
「Setting the XPort」

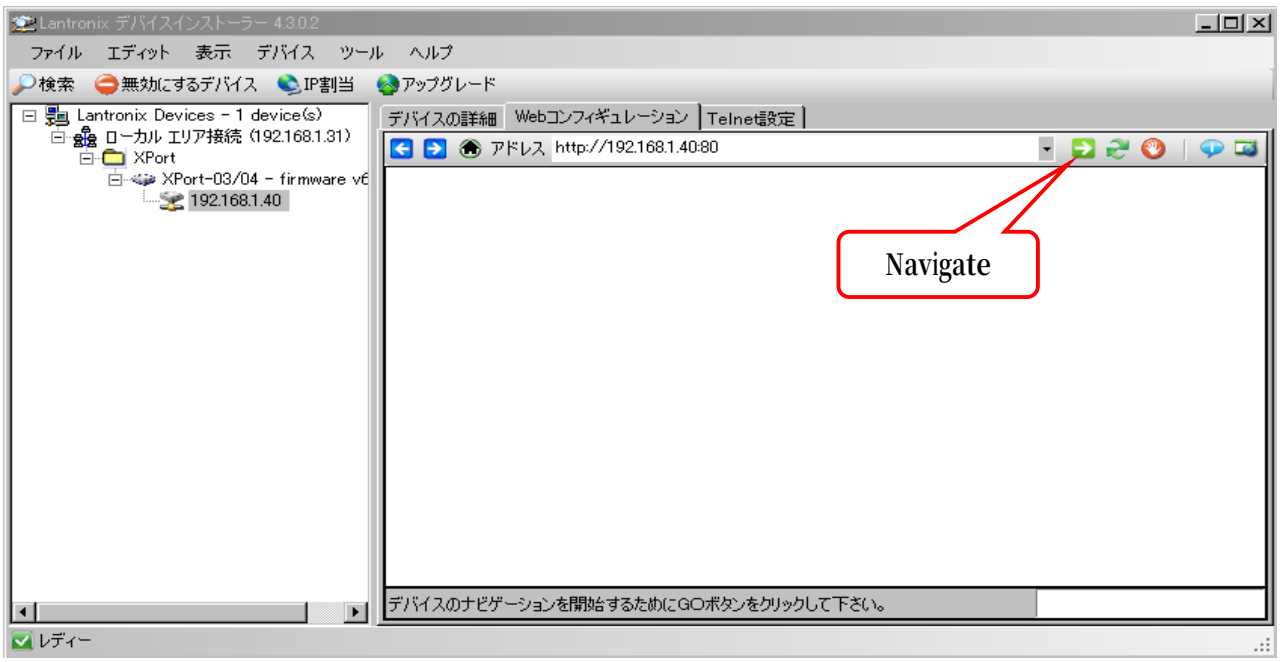
- It uses DeviceInstaller to do the default settings for the "XPort".
- Prepare an IP address that you will optional set (use).
- If you do not set it optional, it will be assigned automatically.
- Connect the LAN cable to the light source and turn on the power.
- Start DeviceInstaller, and if there is no device on the right side "Type(タイプ)", click "Search(検索)".
- If the device is not displayed, check the LAN cable connection and power on of the light source.
- If you connect the LAN cable, "restart" the power supply.
- If you connect the LAN cable when the power is on, the device may not be detected correctly.
- If a device is detected, [XPort-03 / 04] will be displayed in black color.
- If it displays in red color, check the LAN cable and power (as if there were no device).



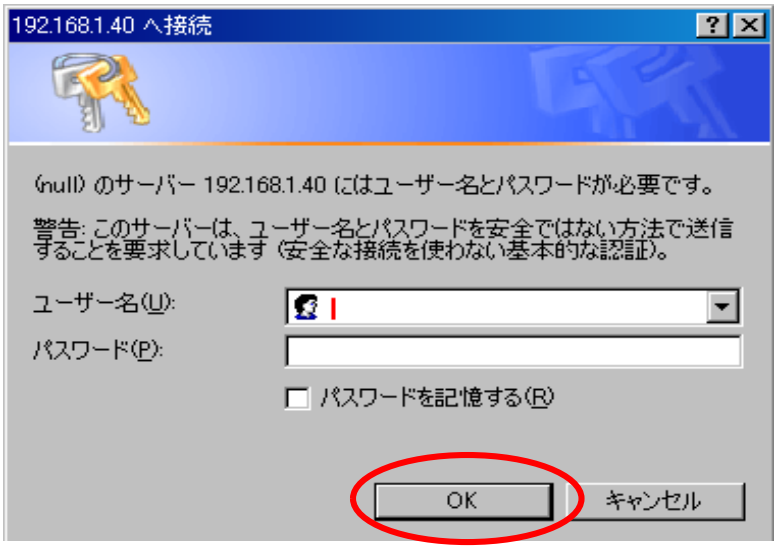


・If you double-click the detected device that does display the device setting information.
・Select the "Web Configuration(Webコンフィグレーション)".
・Click on the "Navigate".

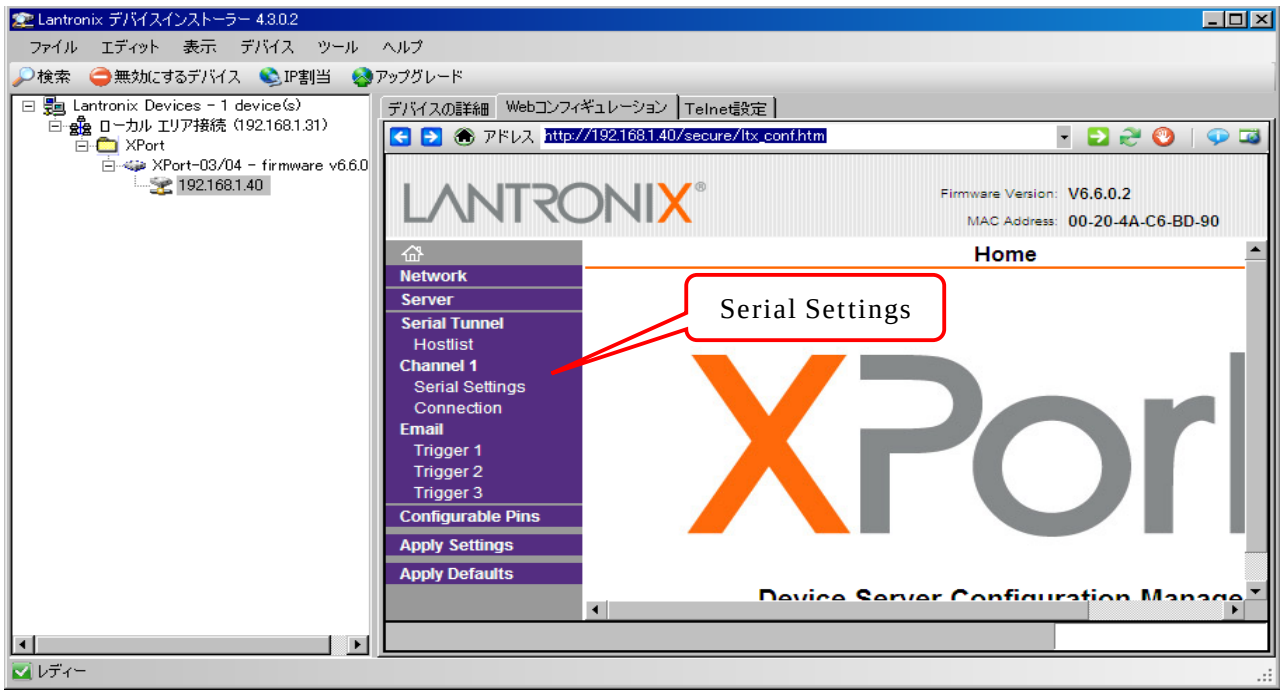




・It output a warning, click the "OK".

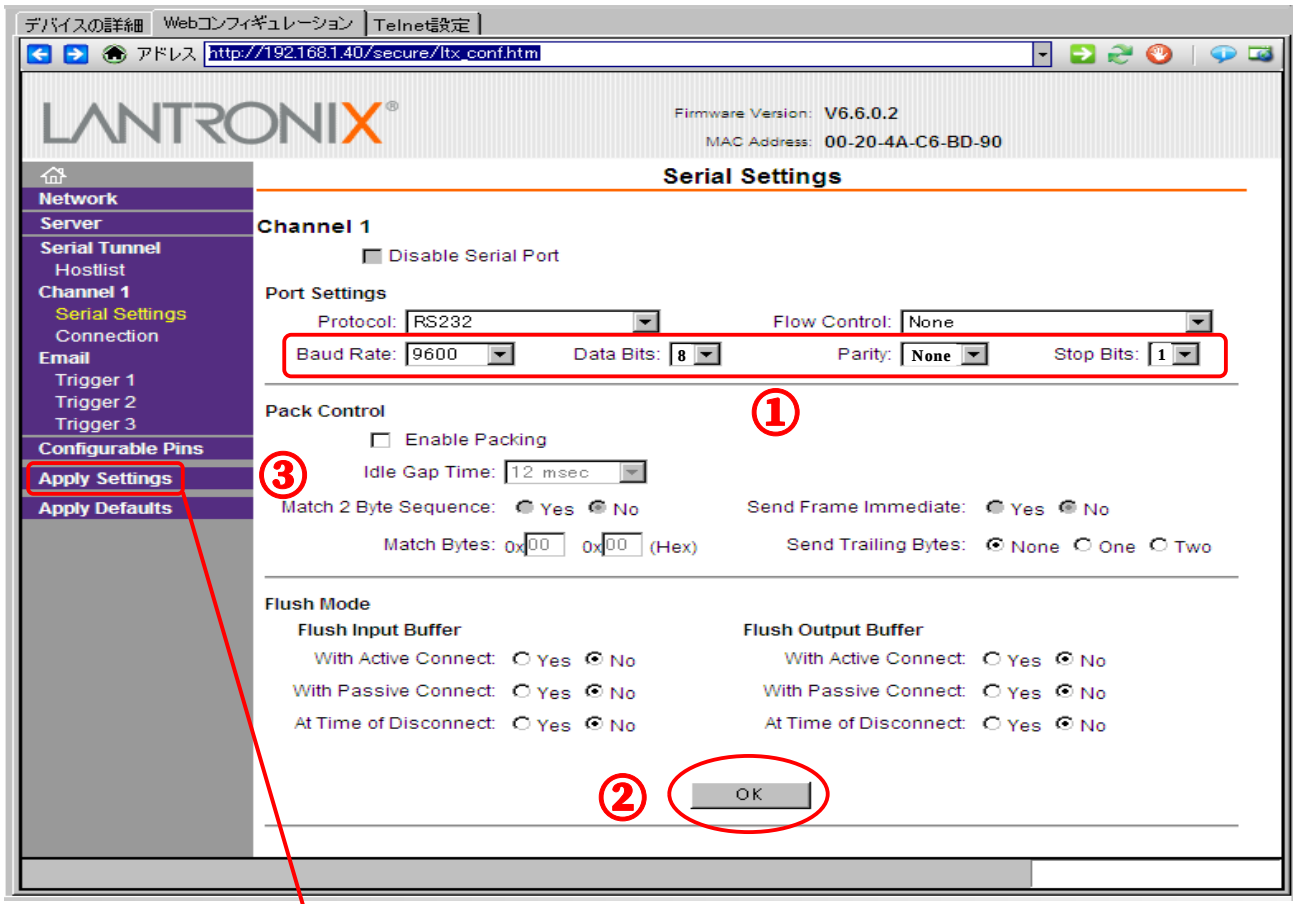


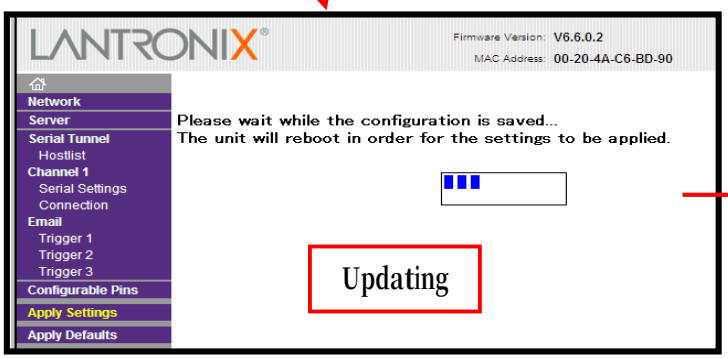
・XPort Home is displayed.
・Click the "Serial Settings" to set the communication terms.



・①Setting Baud Rate:9600、Data Bits:8、Parity:None、Stop Bits:1
・②Click the "OK".
・③Clicking the "Apply Settings", it updates the data in the XPort.
・④If the update is complete, it will be returned to the top page.

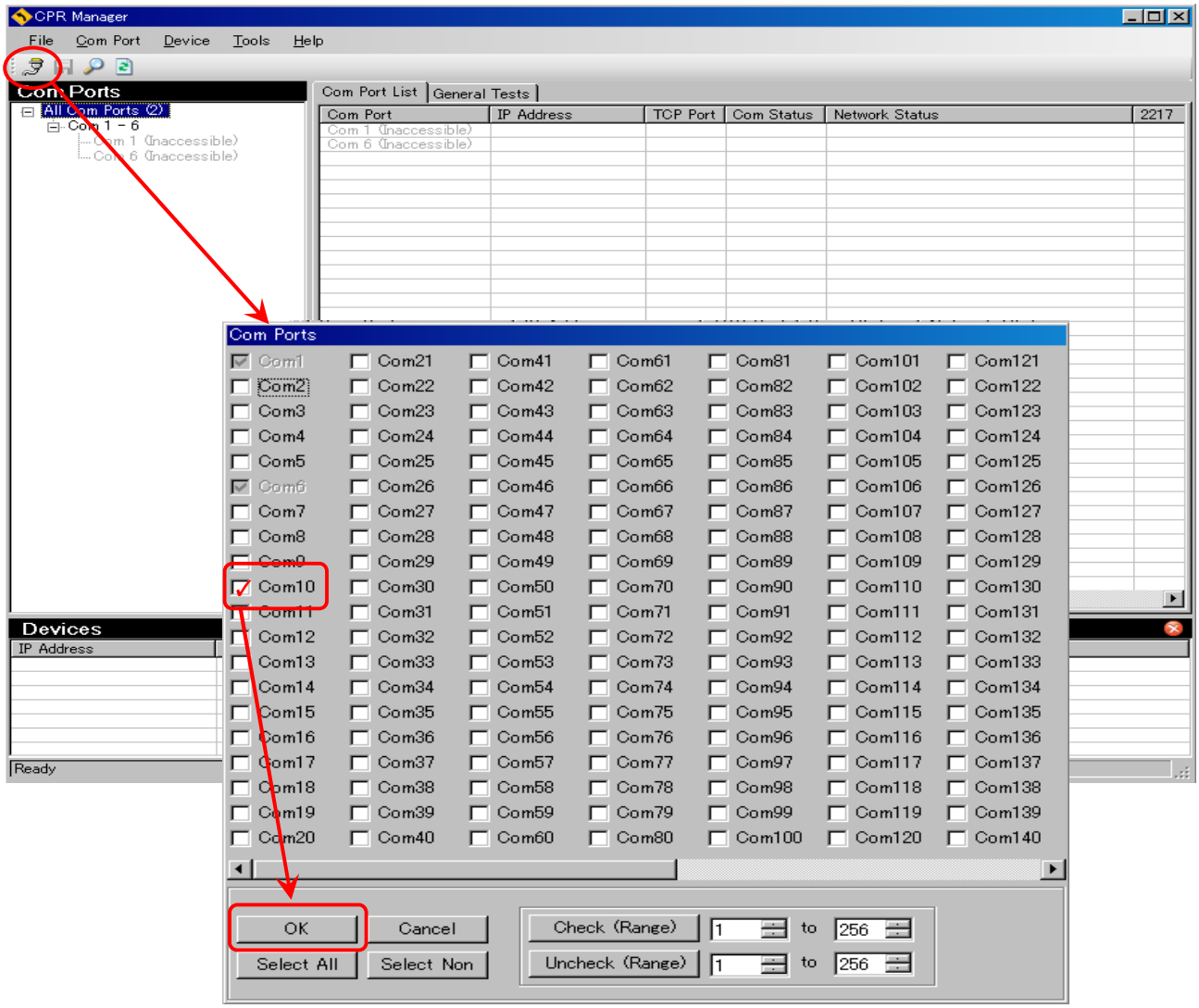
・If check to the update status, click the "Serial Settings" again.
・This completes the Xport settings.
・Next, use the “Com Port Redirector” to set the virtual port on the PC side.



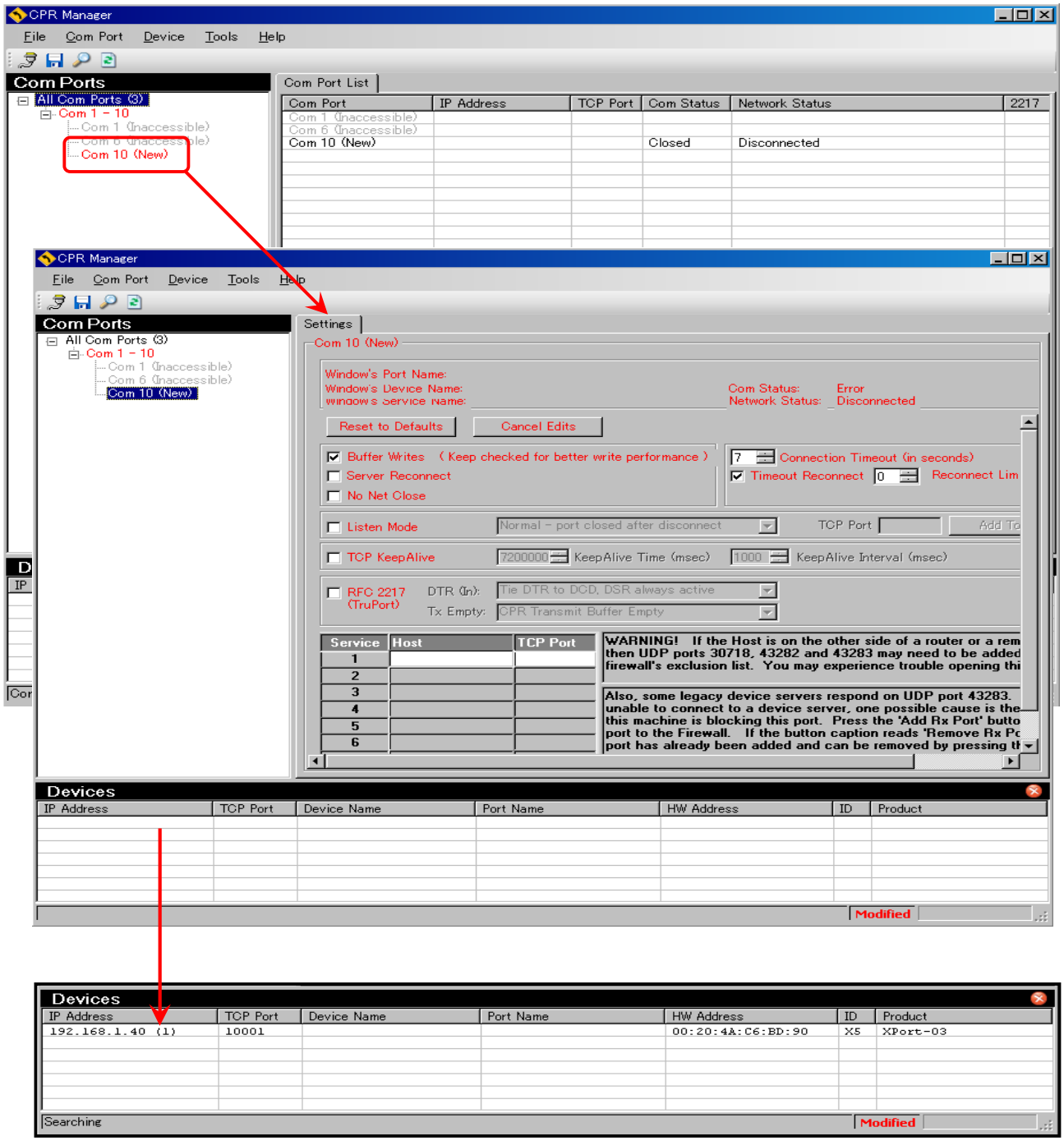


"Setting the virtual port on the PC side"

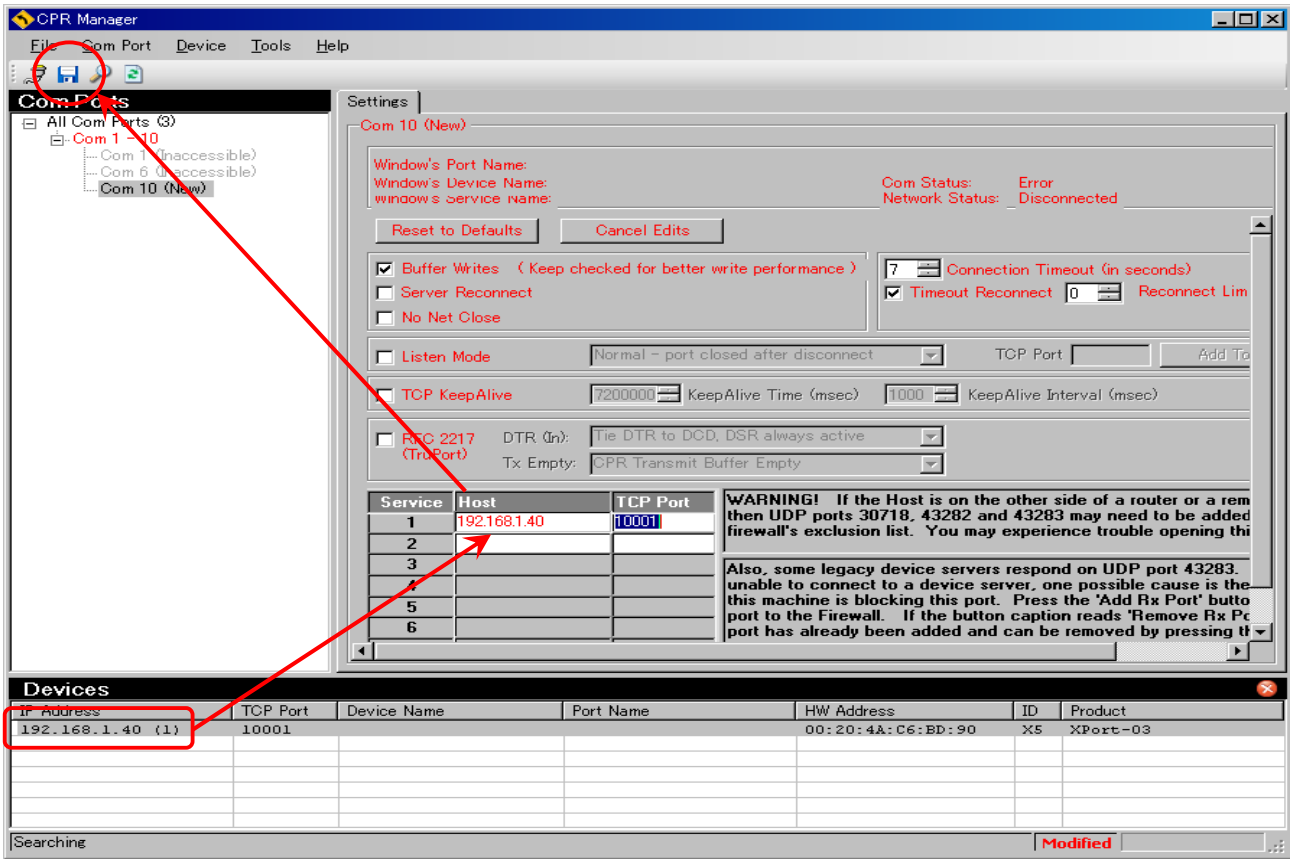
- Start up the "CRP Manager".
- The [Com Ports] are displayed.
- Click the "Add and Remove Com Ports" and select the port number to use.
- The Port 10 is used in this description.
- Check the "Com10" and click the "OK".

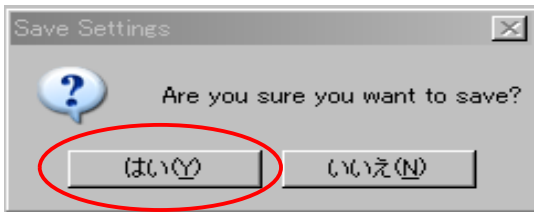


- "Com10" is added to the main screen.
- Click the “Com10” to switch to change the Setting screen.
- Click the "Search For Devices" to search for XPort devices.
- The searched XPort is displayed in the Devices column. The searched XPort is displayed in the devices column. If it is not displayed, please check to the LAN cable is connected or the light source power on.

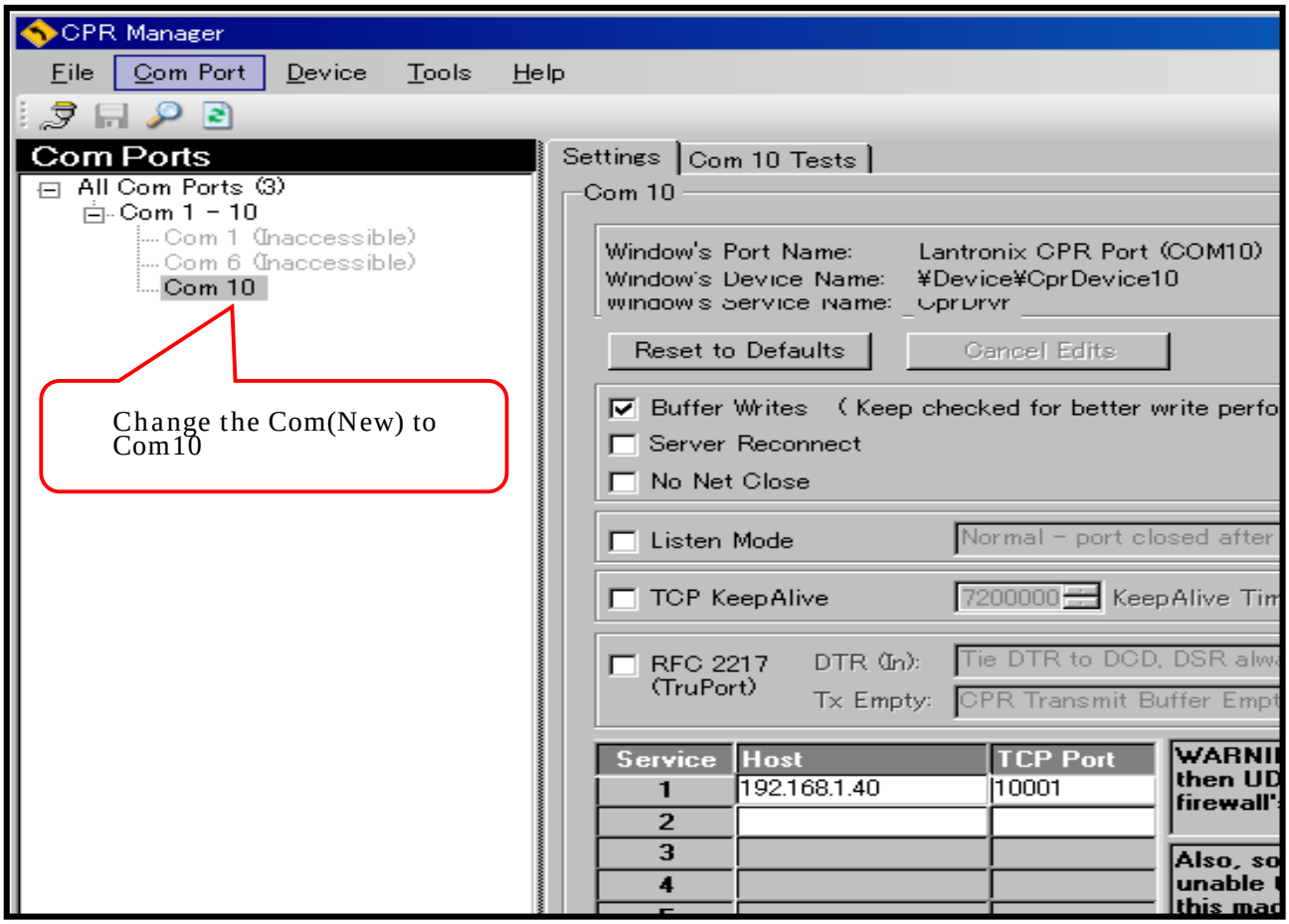


- Check the "IP Address" in the displayed Devices column and double-click the address.
- Displayed in the Host item in Setting.
- Finally, click the "Save Settings" to entry.
- A confirmation of entry will be displayed. Click the "Yes".





・If entry is completed, "Com10 (New)" of ComPorts will change to [Com10].
・This completes the virtual port settings.



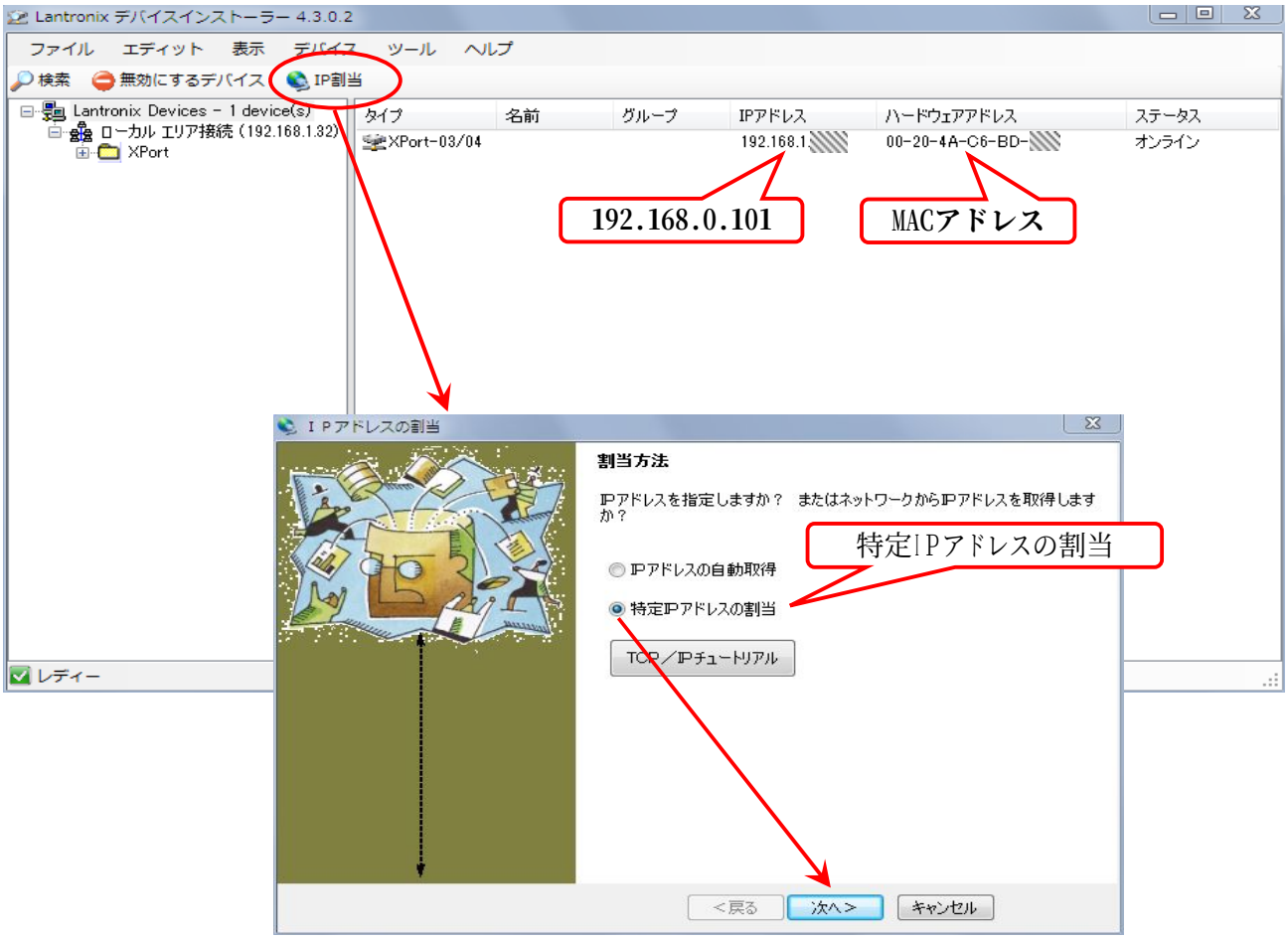
6. Change the IP address

"IP assignment after search"

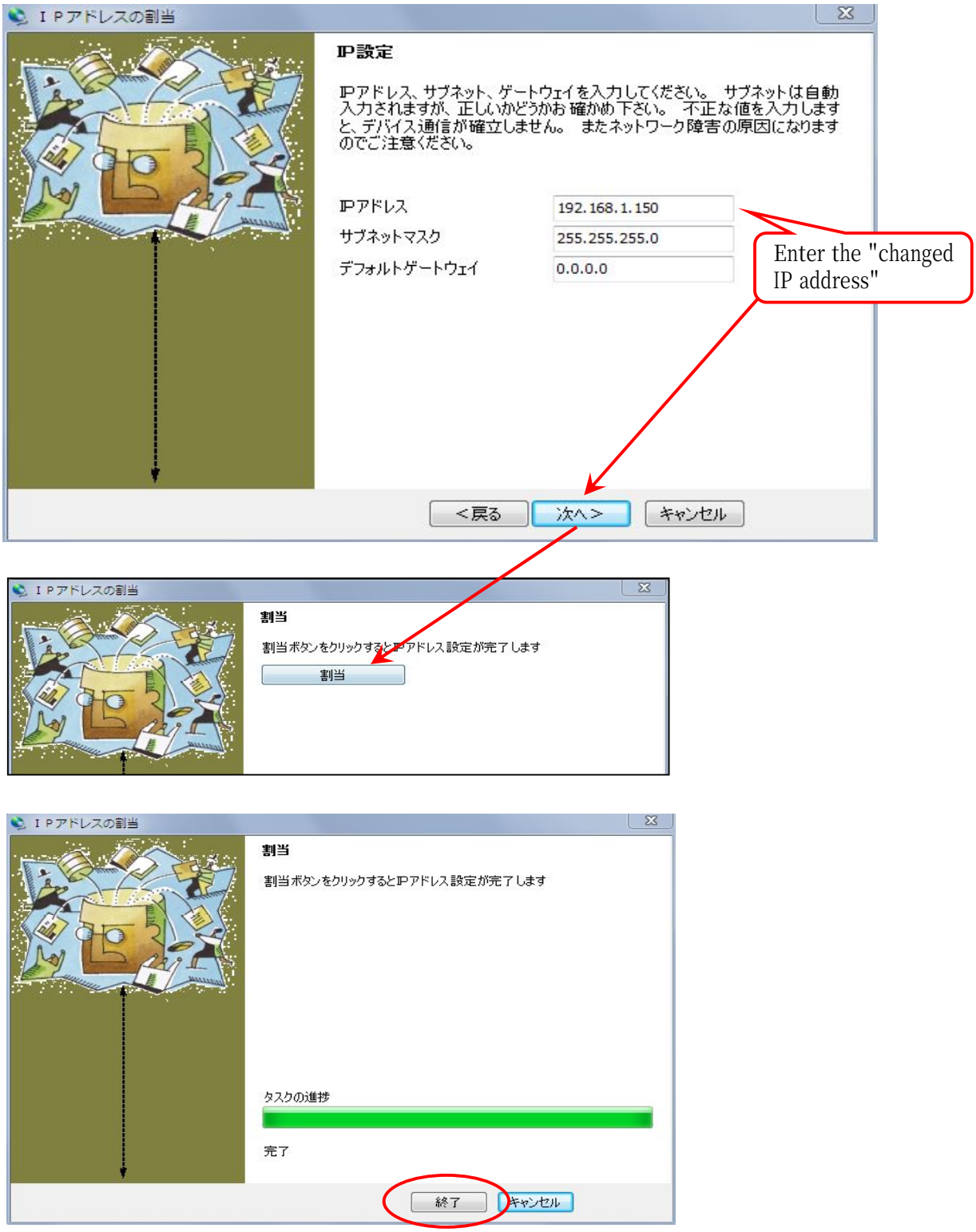
- Change the IP address as needed.
- The factory settings are as follows.

Item	Set value	Note
IP address	192.168. 0.101	Factory default
Sub-net mask	255.255.255. 0	Factory default
Default gateway	0. 0. 0. 0	Factory default

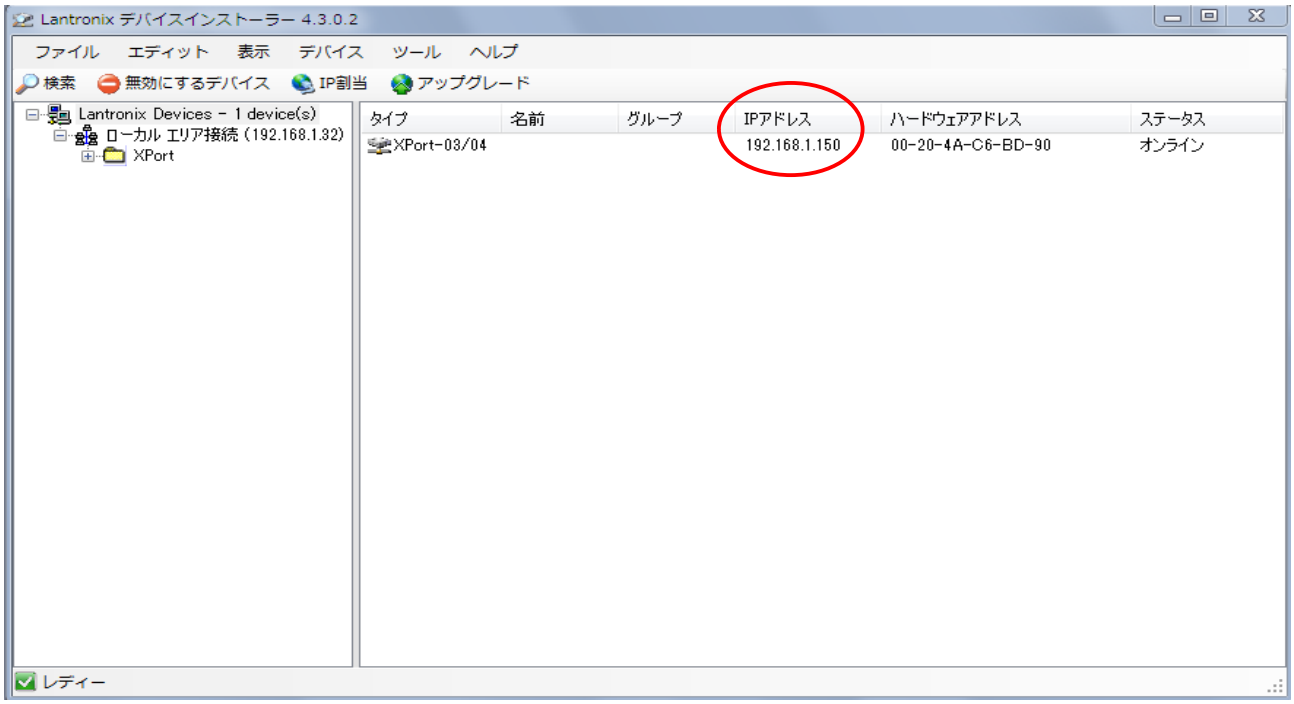
- Use DeviceInstaller to change the IP address.
- If DeviceInstaller to starts up, click "IP assign(IP割当)" and select "Assignment method(割当方法)".
- Check "Assign specific IP address(特定IPアドレスの割当)" and click "Next(次へ)".



・Enter the "changed IP address" in the IP address field and click "Next(次へ)".
・Click the "Assign(割当)" button.
・After completed the settings, click the "Finish(終了)" button.



・After update, the changed IP address will be displayed.



"IP assignment before search"

- If inquiring about the device ID at that assigning an IP address, select the MAC address. (It is written on the XPort inside the main unit)
- After setting the device ID, the process is the same as "IP assignment after search".
- If you cannot set the IP address, refer to "Notes on IP assignment".

"Notes on IP assignment".

- It is need to match the subnet mask to the PC at that an IP assigning.
- If it a different subnet assigning in the PC, the IP address cannot be changed.
- In that case, if you search with DeviceInstaller, it will be displayed in red color.
- For setting, match the subnet mask on the PC side.

- Do not set the same IP address when setting while connecting several devices. Also, do not connect devices with the same IP address.
- If there is a device with the same address on the network, it will not be detected even if it is searched.