SMC

Installation Manual

PRODUCT NAME

Controller Setting Software

MODEL / Series / Product Number

LATC-W1

[Before using this product]
Read the "End-User License Agreement" shown on the next page carefully and accept the terms before using this software.

SMC Corporation

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1. Foreword

Prepare the following before using this software (LATC-W1).

1.1. Applicable computer

- This software can be used on a computer with a Windows® XP or Windows® 7 operating system.
  (Administrator rights are required to install the software and the drivers for the conversion unit and virtual COM port.)
- The computer screen resolution should be 600 x 800 DPI or more.
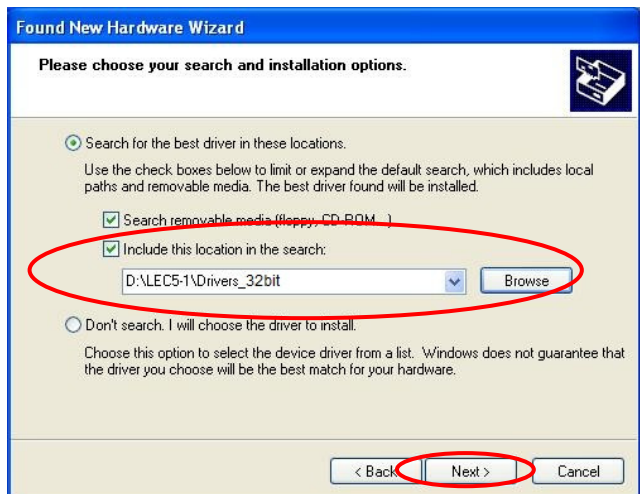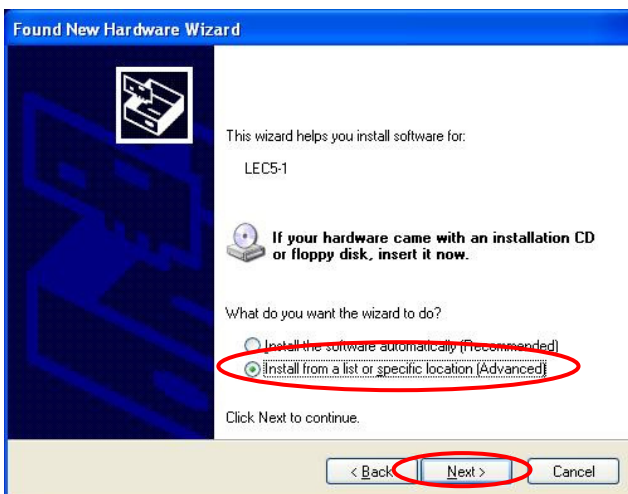
1.2. USB cable

A USB cable should be prepared for connecting the conversion unit to the computer.
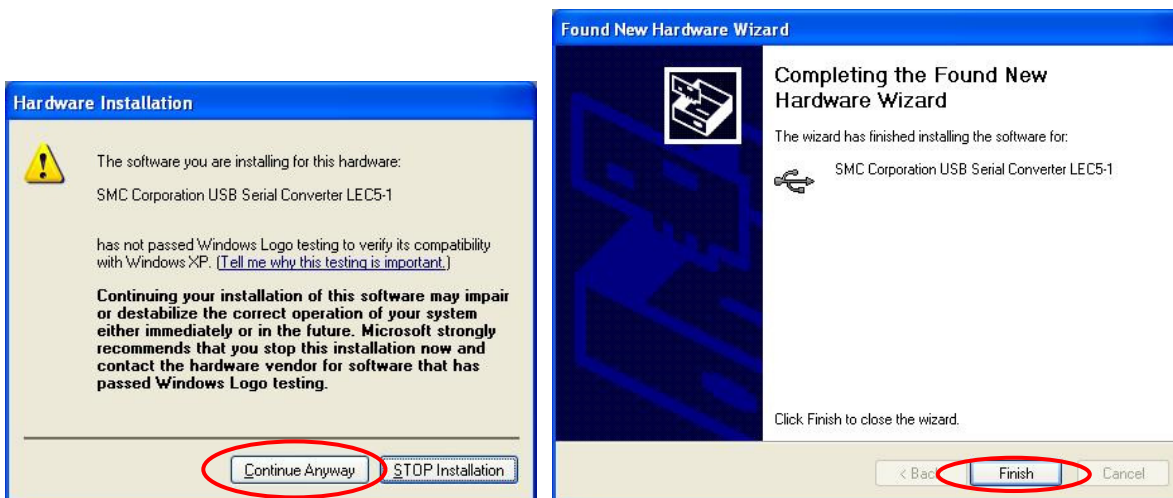Use a Type A to Mini-B USB cable.

2. Installation procedures

2.1. Installation of the drivers for the conversion unit

For Windows XP users

i. Insert the LATC-W1 CD-ROM into the CD-ROM drive of your computer, and connect the controller setting cable to the USB port.

ii. Windows XP detects the conversion unit by plug-and-play, so the "Found New Hardware Wizard" dialog box will appear. If the Wizard suggests to connect to "Windows Update" to search for software, select the "No, not this time" option and click "Next".
Thereafter select the **"Install from a list or specific location (Advanced)"** option, and click the **"Next"** button.

iii. Check the **"Include this location in the search"** box, click the **"Browse"** button, select the "/LEC5-1/Drivers_32bit" folder on the CD-ROM, click "OK" and then click the **"Next"** button.
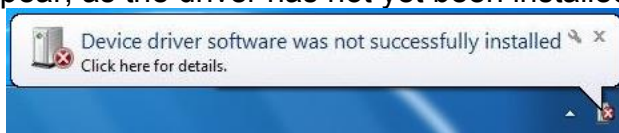
iv. Click "Continue Anyway" when the dialog box shown below on the left appears.

v. When the dialog box shown below on the right appears, the installation of the "USB device driver" for the conversion unit is complete. Click the **"Finish"** button.
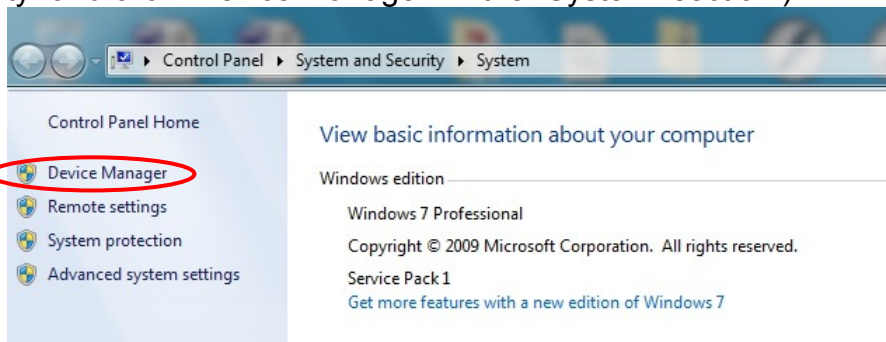

vi. Thereafter the installation of the "virtual COM port driver" for the conversion unit will start. Install the "virtual COM port driver" following the same procedure as from step ii.

vii. Remove the LATC-W1 CD-ROM from the CD-ROM drive and restart the computer.
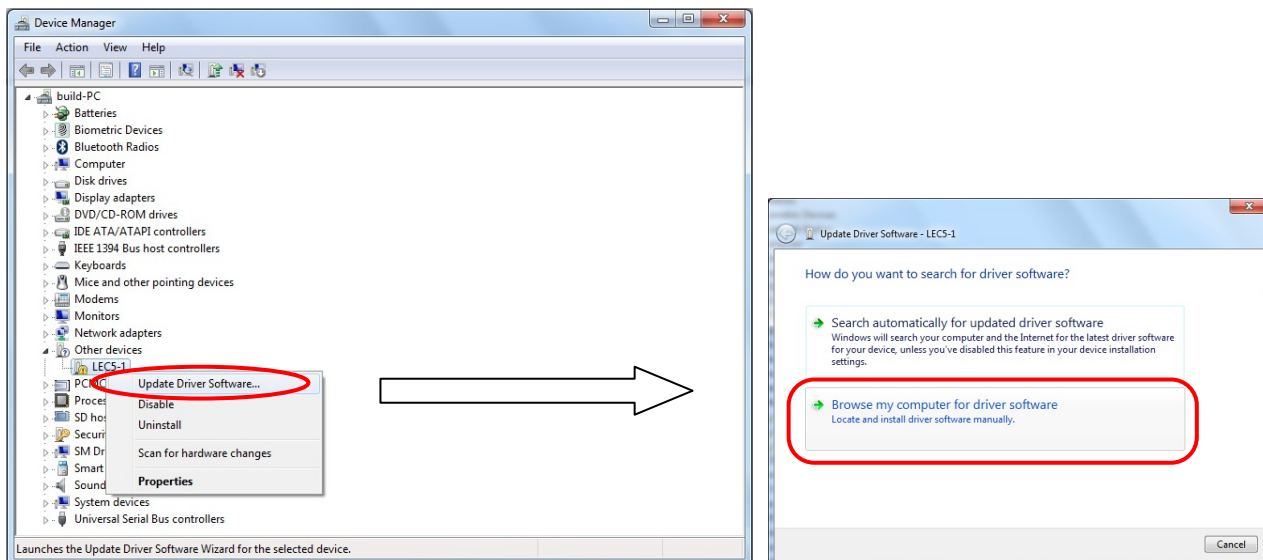
For Windows 7 users

i. Insert the LATC-W1 CD-ROM into the CD-ROM drive of your computer.

ii. Connect the controller setting cable to the USB port on your computer. The message shown below will appear, as the driver has not yet been installed.
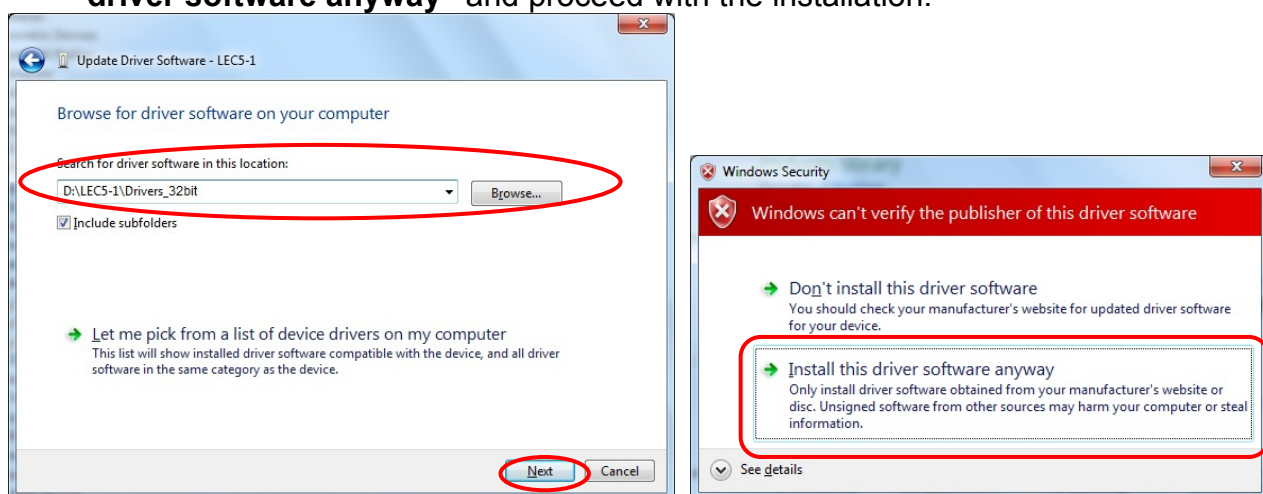

iii. Open the Windows "Start" menu, right-click on "Computer", select "Properties" and thereafter "Device Manager".
(Alternatively, open the Windows "Start" menu, select "Control Panel" and "System and Security" and click "Device Manager" in the "System" section.)

iv. Double-click "Other Devices", select the "LEC5-1" with the "!" symbol and right-click to open the menu shown below on the left. Select **"Update Driver Software"**.

v. Select the **"Browse my computer for driver software"** option when the dialog box shown below on the right appears.
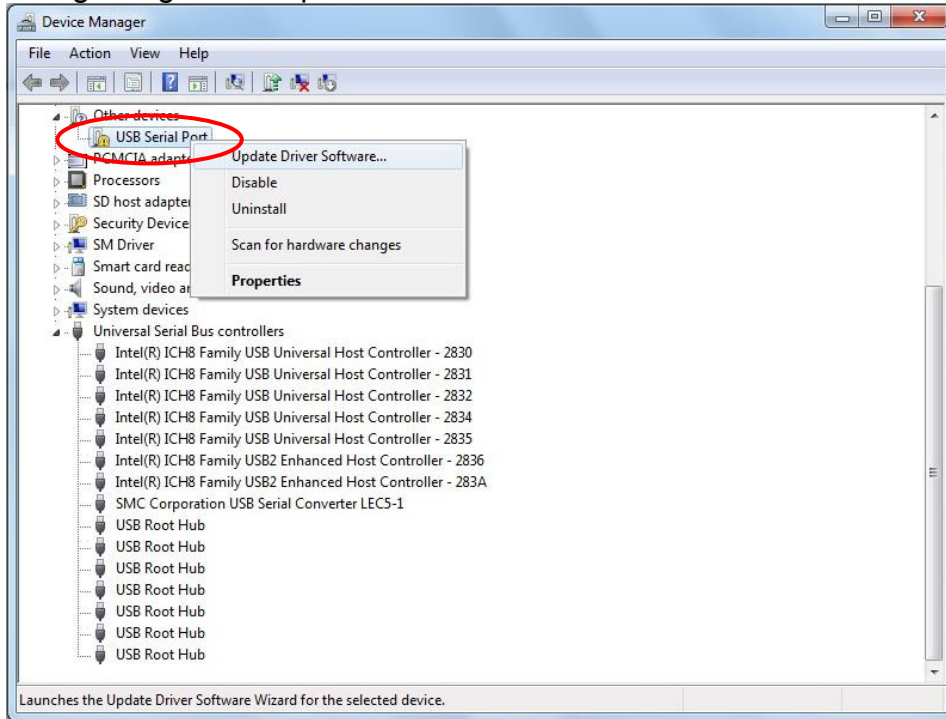

vi. When the dialog box shown below on the left appears click **"Browse"**, and select the "/LEC5-1/Drivers_32bit" folder in the CD-ROM.

vii. The warning message shown below on the right will appear. Select **"Install this driver software anyway"** and proceed with the installation.

viii. The following dialog box will appear when the LEC5-1 driver installation has been completed. Click the **"Close"** button.

ix. Next the "virtual COM port driver" for the conversion unit needs to be installed for the software to function properly.
The "USB Serial Port" device should now appear in the "Device Manager" as shown below. Right-click on it and select "Update Driver Software".
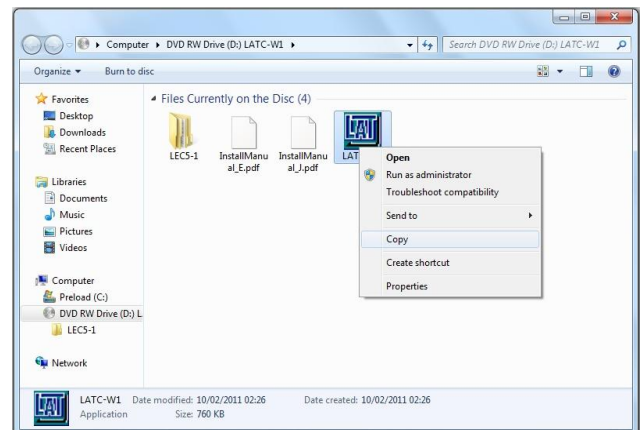Continue the installation of the "virtual COM port driver" following the same procedure beginning from step v.

x. The following dialog box will appear when the installation has been completed.
Click the **"Close"** button.

2.2. Installation of the software

Copy the "LATC-W1.EXE" file from the CD-ROM to the desktop of your computer.

Double-click the copied file to start the software.

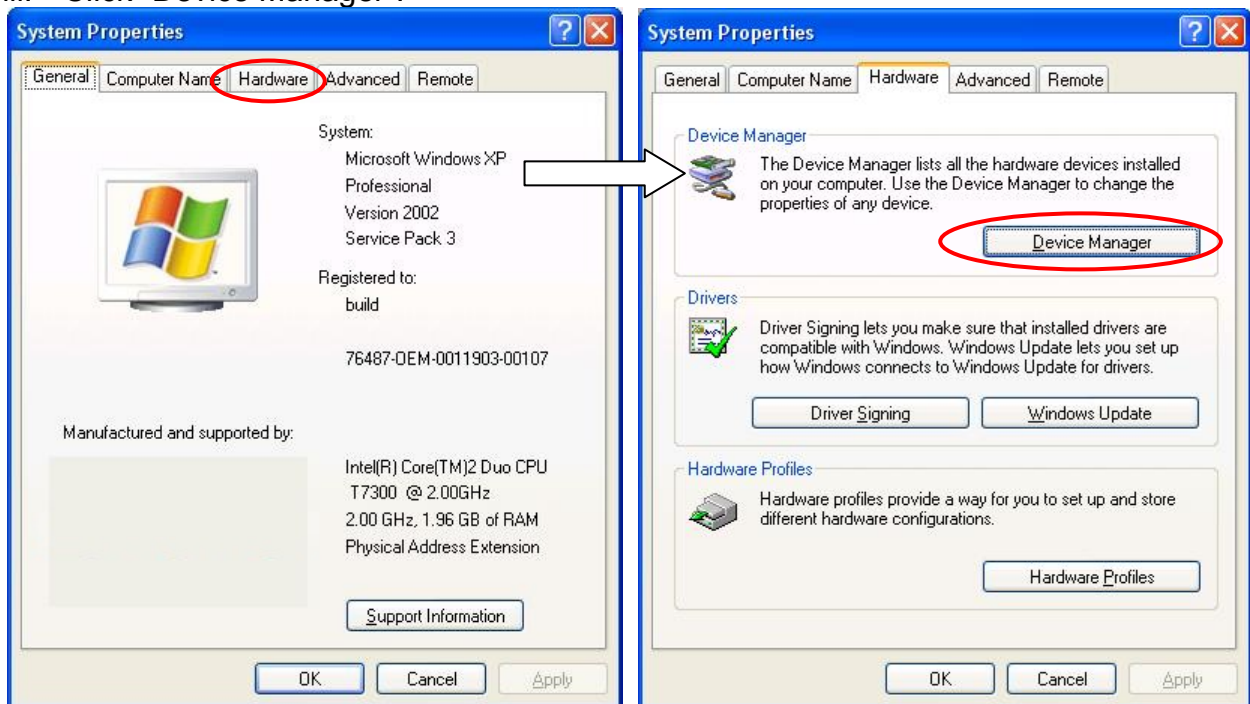| Caution |
| --- |
| Read chapter "3. Check of the Communication Port" before starting the software. |

3. Check of the Communication Port

When starting the LATC-W1 software it is required to set the communication port number (COM no.) that has been assigned to the conversion unit.
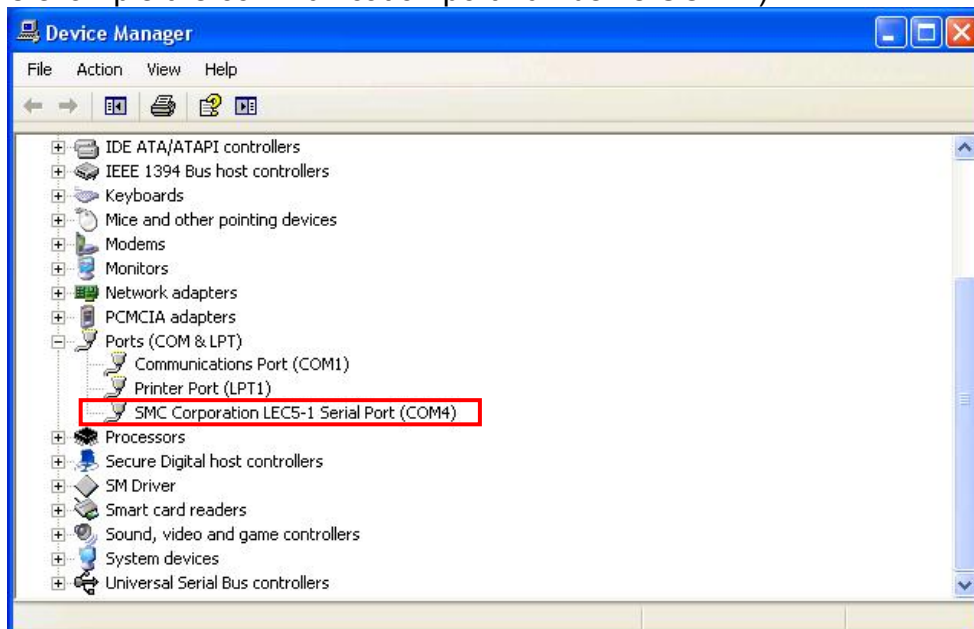Check the communication port number using the Windows "Device Manager" as follows.

For Windows XP users

i.   Right-click "My Computer" and select "Properties" to open the "System Properties".
      (Alternatively, open the Windows "Start" menu, select "Settings" and/or "Control Panel" and double-click "System".)

ii.   Select the "Hardware" tab at the top of the "System Properties" dialog box.

iii. Click "Device Manager".

iv.   Expand "Ports (COM & LPT)" and check which communication port number has been assigned for the LEC5-1 conversion unit.
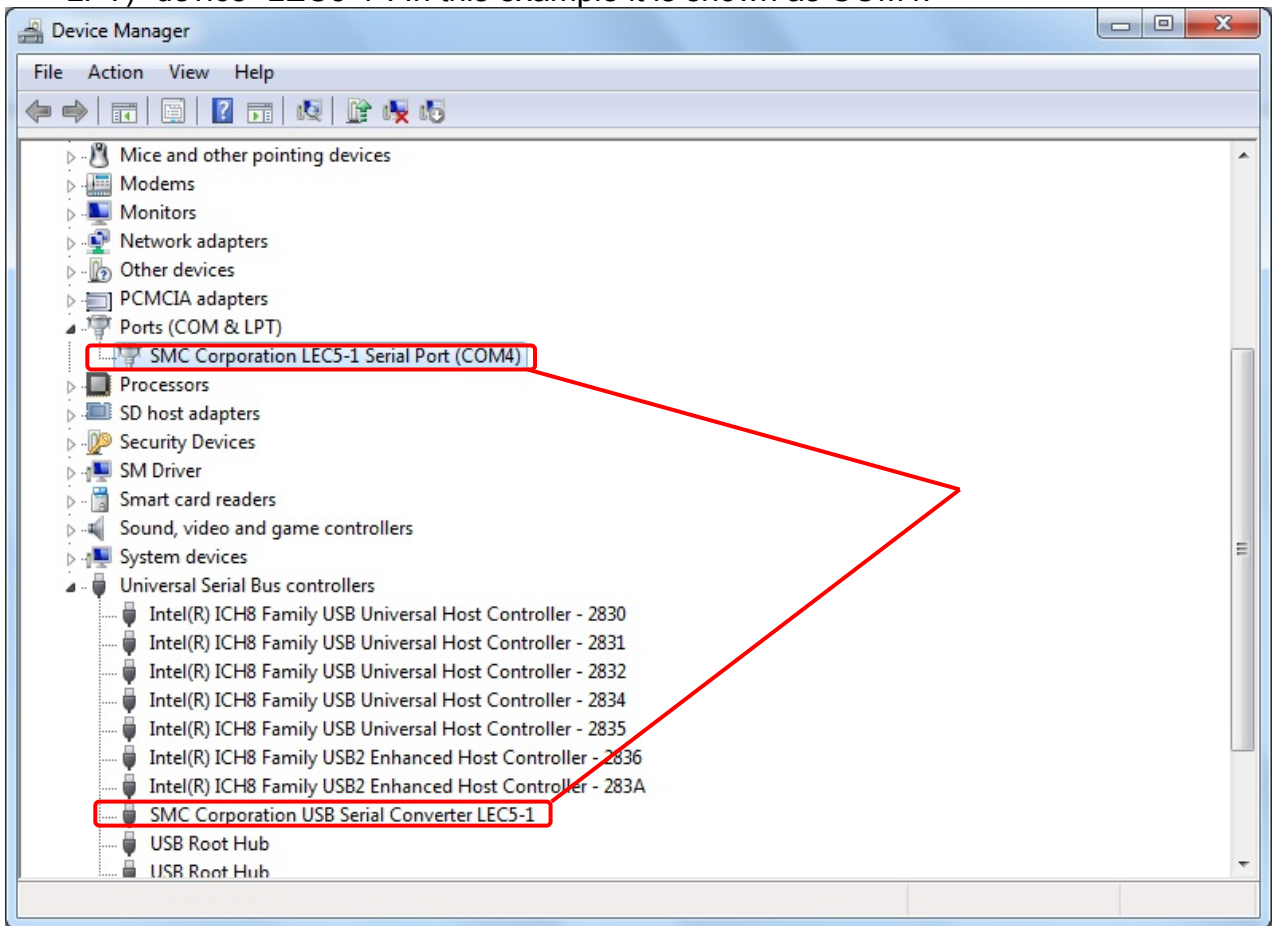   (In this example the communication port number is COM4.)

For Windows 7 users

i. Open the Windows Start menu, right-click on "Computer", select "Properties" and thereafter "Device Manager".
    (Alternatively, open the Windows "Start" menu, select "Control Panel" and "System and Security" and click "Device Manager" in the "System" section.)

ii. Check in the "Device Manager" that the two drivers have been installed as shown below.
    Check the COM number for the RS485 communication from the "Ports (COM & LPT)" device "LEC5-1". In this example it is shown as COM4.

The communication port number is needed when starting this software.

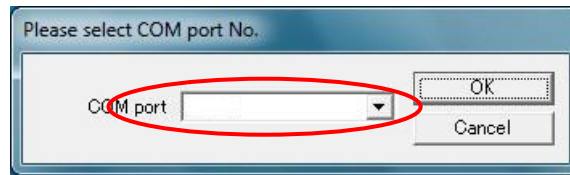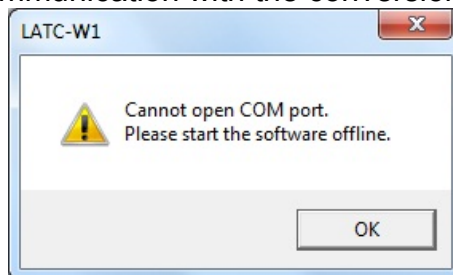| Caution |
| --- |
| Check the communication port number after connecting the conversion unit. |
| Windows XP |
| The communication port number depends on the USB port the conversion unit was connected to at the installation of the conversion unit driver. |
| Windows 7 |
| The communication port number depends on the USB port the conversion unit is currently connected to. |

4. Starting the software

When the "LATC-W1.EXE" icon is double-clicked, the dialog box shown below will appear. Set the COM port number as confirmed according to the instructions in chapter "3. Check of the Communication Port".

Please select COM port No.

COM port [▼]   OK   Cancel

∗ If the dialog box shown below appears, the conversion unit has not been detected. Check the communication port setting, wiring, power supply to the controller and any other matter that may affect the communication with the conversion unit.

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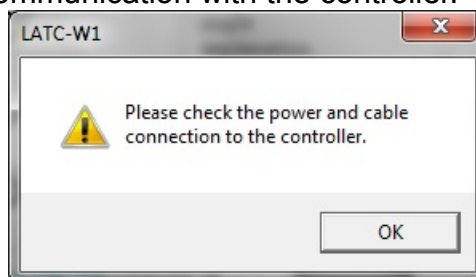⚠ Cannot open COM port.
Please start the software offline.

OK

5. Communication with the controller

The connected controller is automatically detected when starting this software. However, if the communication settings, such as COM port number, are incorrect, communication cannot be established. Confirm the following before starting the communication.
- That power is supplied to the connected controller.
- That the controller and the computer are connected to each other via the conversion unit.

∗ If the dialog box shown below appears, the controller has not been detected. Check the communication port setting, wiring, power supply to the controller and any other matter that may affect the communication with the controller.

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⚠ Please check the power and cable connection to the controller.

OK

6. Functions of each mode

Refer to the controller operation manual for details of the functions of each mode.

Caution
Do not connect or disconnect the communication cable whilst the LATC-W1 application is running. Disconnecting the cable during communication may cause a software corruption.

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