

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

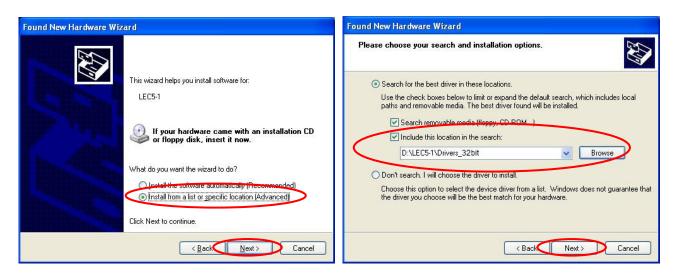
2.1. Installation of the drivers for the conversion unit

For Windows XP users

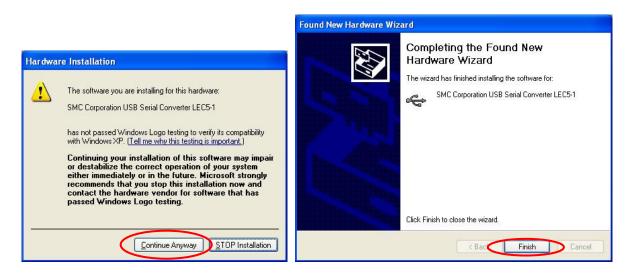
- i. Insert the LATC-W1 CD-ROM into the CD-ROM drive of your computer, and connect the controller setting cable to the USB port.
- ii. Windows XP detects the conversion unit by plug-and-play, so the "Found New Hardware Wizard" dialog box will appear. If the Wizard suggests to connect to "Windows Update" 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.



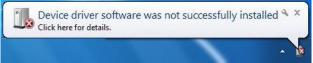
- iv. Click "Continue Anyway" when the dialog box shown below on the left appears.
- v. When the dialog box shown below on the right appears, the installation of the "USB device driver" for the conversion unit is complete. Click the "**Finish**" button.



- 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.

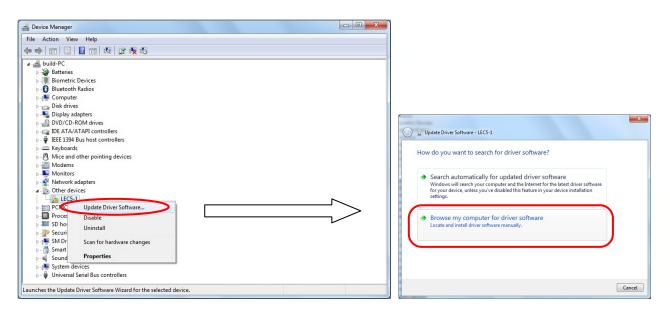


iii. Open the Windows "Start" menu, right-click on "Computer", select "Properties" and thereafter "Device Manager".

(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.

G 🔓 Update Driver Software - LECS-1	
Browse for driver software on your computer	
BearCh for driver software in this location: D:\LEC5-1\Drivers_32Dit	Windows Security Windows can't verify the publisher of this driver software
→ Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	 Don't install this driver software You should check your manufacturer's website for updated driver software for your device. Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
Next Cancel	See details

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.

🚔 Device Manager		
File Action View Help		
🗢 🄿 🗖 📮 🖬 🖬	10 12 11 15	
Other devices		A
USB Serial Port		
PCMCIA adapte	Update Driver Software	
Processors	Disable	
> D SD host adapter	Uninstall	
Security Device		
SM Driver	Scan for hardware changes	
Smart card read	Properties	
Sound, video at		
System devices		
	s controllers amily USB Universal Host Controller - 2830	
	amily USB Universal Host Controller - 2830 amily USB Universal Host Controller - 2831	
	amily USB Universal Host Controller - 2832	
	amily USB Universal Host Controller - 2834	
The second se	amily USB Universal Host Controller - 2835	
	amily USB2 Enhanced Host Controller - 28	
	amily USB2 Enhanced Host Controller - 28	E
	on USB Serial Converter LEC5-1	
USB Root Hub		
USB Root Hub		
USB Root Hub		
- 🚽 USB Root Hub		
- 🗑 USB Root Hub		
🏺 USB Root Hub		
🛄 🏺 USB Root Hub		
Lounches the Undate Driver Se	ftware Wizard for the selected device.	
Launches the opdate Driver so	itware wizard for the selected device.	

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

Window	vs has successfully	updated your dr	iver software	
Windows	has finished installing th	e driver software for th	is device:	
	SMC Corporation LEC5	-1 Serial Port		

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.

Organize Burn to dis Favorites Desktop Downloads	Files Currently on the Disc (4)	AT		8 - □ (
Recent Places Libraries Documents Music Pictures Videos Computer	LECS-1 installManu installManu al_Epdf al_Lpdf	*	Open Run as administrator Troubleshoot compatibility Send to Copy Create shortcut Properties	
Preload (C:) DVD RW Drive (D:) L LEC5-1 Network			rupeues	

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.
- System Properties ? 🗙 ? 🗙 System Properties General Computer Name Hardware Advanced Remote General Computer Name Hardware Advanced Remote System: Device Manager Microsoft Windows XP The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the Professional properties of any device. Version 2002 Service Pack 3 Device Manager Registered to: Drivers build Driver Signing lets you make sure that installed drivers are and the compatible with Windows. Windows Update lets you set up 76487-0EM-0011903-00107 how Windows connects to Windows Update for drivers. Driver Signing Windows Update Manufactured and supported by: Intel(R) Core(TM)2 Duo CPU Hardware Profiles T7300 @ 2.00GHz Hardware profiles provide a way for you to set up and store 2.00 GHz, 1.96 GB of RAM different hardware configurations Physical Address Extension Hardware Profiles Support Information 0K Cancel OK Cancel Apply
- 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.)

🖳 Device Manager	
File Action View Help	
🗉 🚭 IDE ATA/ATAPI controllers	^
🕀 🥪 IEEE 1394 Bus host controllers	
🗄 🦥 Keyboards	
🗄 🍈 Mice and other pointing devices	
🕀 🦢 Modems	
🗈 😼 Monitors	
🖻 🕮 Network adapters	
🗄 🗐 PCMCIA adapters	
Communications Port (COM1)	
Printer Port (LPT1)	
SMC Corporation LEC5-1 Serial Port (COM4)	
🗄 🛲 Processors	
🗄 🤳 Secure Digital host controllers	
🗄 🔶 SM Driver	
🕀 🍓 Smart card readers	
🕀 🧐 Sound, video and game controllers	
🕀 🪽 System devices	
🗄 🕰 Universal Serial Bus controllers	~

For Windows 7 users

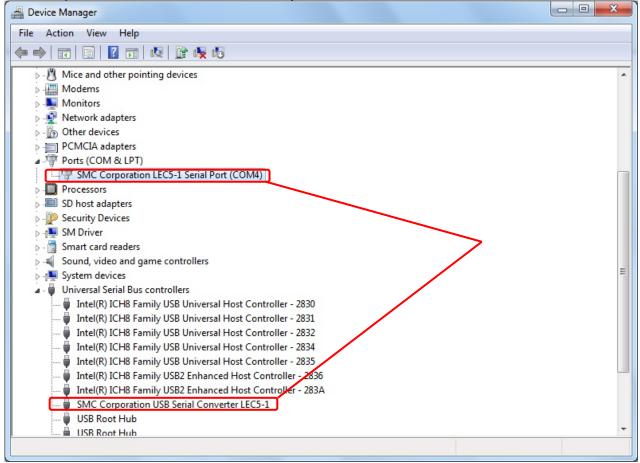
i. Open the Windows Start menu, right-click on "Computer", select "Properties" and thereafter "Device Manager".

(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

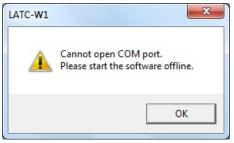
The communication port number depends on the USB port the conversion unit is currently connected to.

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".

cel

* 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.



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.



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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Revision history

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