



Installation Manual

PRODUCT NAME

***Card Motor Controller
Controller Setting Software for LATCA
(For Window®10 and Window®11)***

MODEL / Series / Product Number

LATC-Configurator

[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

End-User License Agreement

SMC Corporation (hereinafter referred to as "SMC") grants the user (regardless the user is a corporation or an individual) a license to use this software "Controller Setting Software LATC-Configurator" (hereinafter referred to as "Software") provided according to this End-User License agreement (hereinafter referred to as "Agreement") under the articles listed below.

The user is considered to have agreed to the terms of this Agreement by installing, copying or using this Software. Do not install, copy or use this Software if the terms of this Agreement cannot be accepted.

The terms of this Agreement must be accepted by the user before downloading this Software if this Software has been supplied by SMC via the Internet or any other means. Do not download this Software if you cannot accept the terms of this Agreement.

Article 1 (Grant of license)

1. This Software is to be used in accordance with this Agreement non-exclusively for the limited purpose of using or setting SMC electrical actuators.
2. This software can be installed and saved on a PC for the sole purpose specified in the preceding paragraph.

Article 2 (Restrictions)

1. This software is not to be copied, except as specified in Articles 1-2.
2. This software license is not to be transferred or lent wholly or in part to a third party, either free of charge or for payment.
3. Modification, translation, adaptation or reverse engineering of this software is not permitted.

Article 3 (Other notices)

1. Read the "Safety Instructions", "Precautions", "Specific Product Precautions" and "Specifications" described in the manual for the equipment when using any equipment controlled by this Software.
2. This Software and the equipment controlled by it are subject to change without prior notice.

Article 4 (Exemption of liability)

SMC cannot take any responsibility for any damage incurred by the use of this Software.

Article 5 (Termination)

1. SMC has the full authority to terminate this agreement in the event of any terms and conditions have been breached.
2. This Software and any copies thereof must be destroyed when this Agreement is terminated.

Article 6 (Rights of this Software)

The copyright and any other rights of this Software are owned by SMC, and protected by Japanese copyright laws and international treaty provisions.

Article 7 (Governing law and jurisdiction)

1. This Agreement shall be governed by Japanese laws.
2. Any dispute arising from this Agreement shall be submitted in the first instance to the exclusive jurisdiction of the Tokyo District Court or the Tokyo Summary Court primarily.
3. This Agreement has been made in the Japanese language as well. The Japanese text shall prevail over any inconsistencies between the Japanese and any translations thereof.

1. Foreword

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

1.1. Applicable computer

- This software can be used on a computer with a Windows® 10 or Windows® 11 operating system. This document is described based on Windows 10. (Administrator rights are required to install the software and the drivers for the communication cable and virtual COM port.)
- The computer screen resolution should be 1024 x 768 DPI or more.

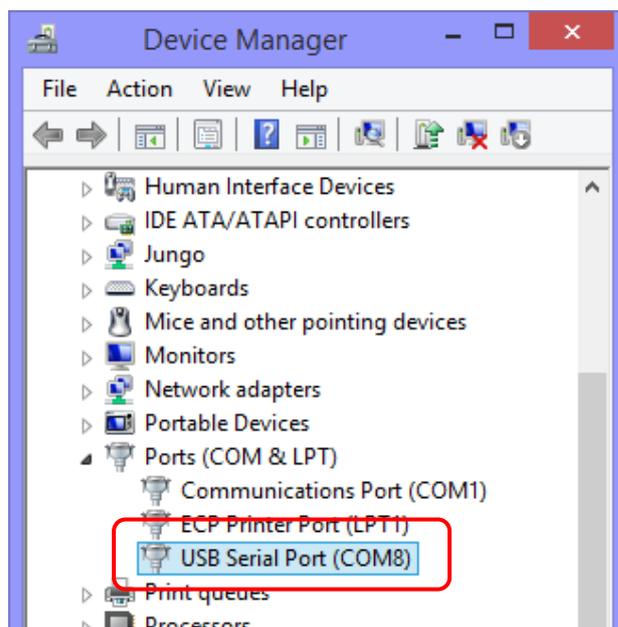
1.2. Preparation of communication cable and USB cable

Prepare the communication cable (LEC-W2A-C) and USB cable (LEC-W2-U) for connecting the Card Motor Controller to the PC.

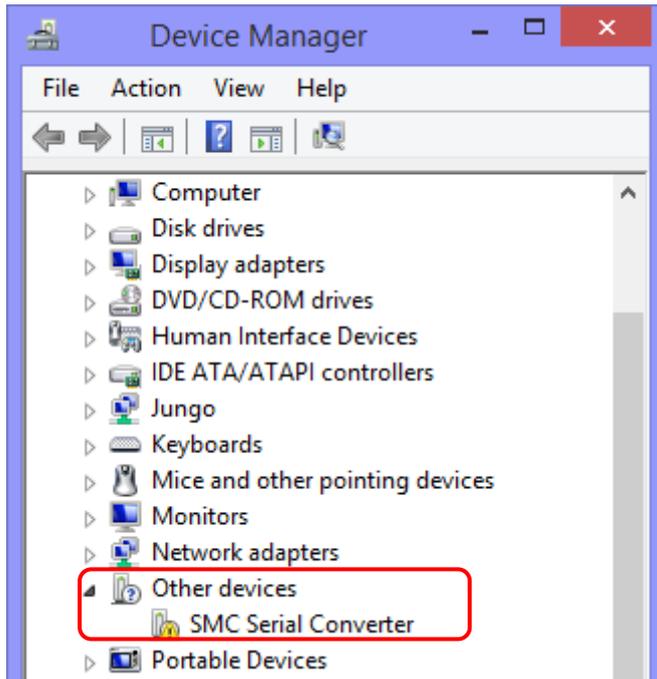
2. Installation procedures

2.1. Installation of the USB drivers for the communication cable

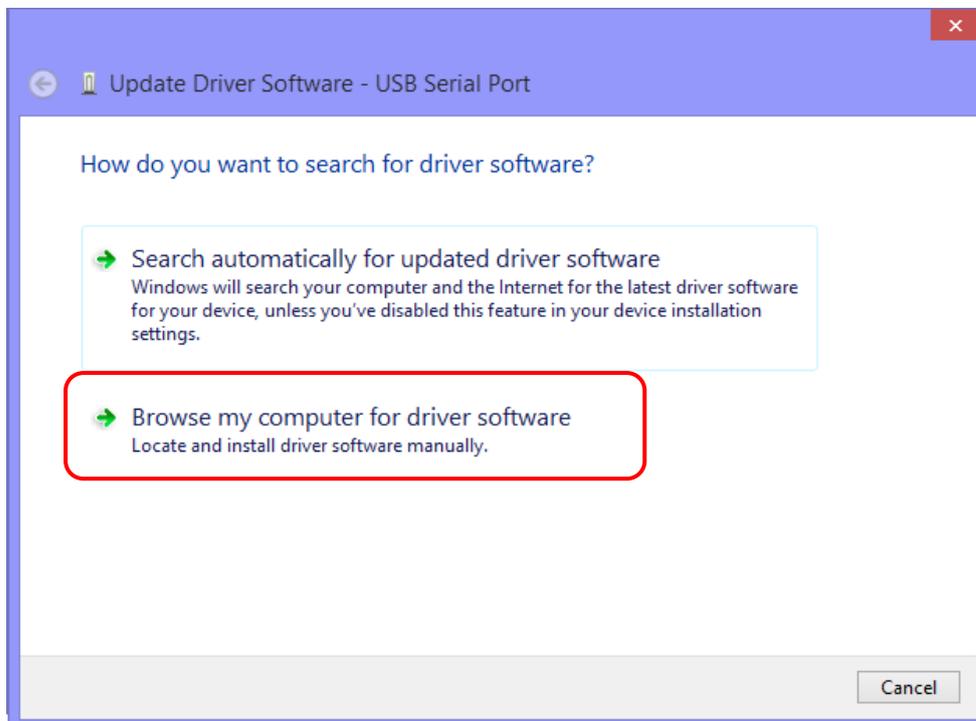
- Insert the LATC-Configurator CD-ROM into the CD-ROM drive of your computer. Alternatively, after downloading the USB driver from our website, create a folder on the PC to unzip the USB driver.
- Connect the communication cable LEC-W2A-C to the USB port of the PC using the USB cable (LEC-W2-U).
- Right click the Windows logo  at the lower left of the desk top, and select "Device manager".
- When the USB driver is already installed on the PC, "USB Serial Port (COM*)" is displayed under "Port (COM and LPT)". (Numerical number is displayed in *)



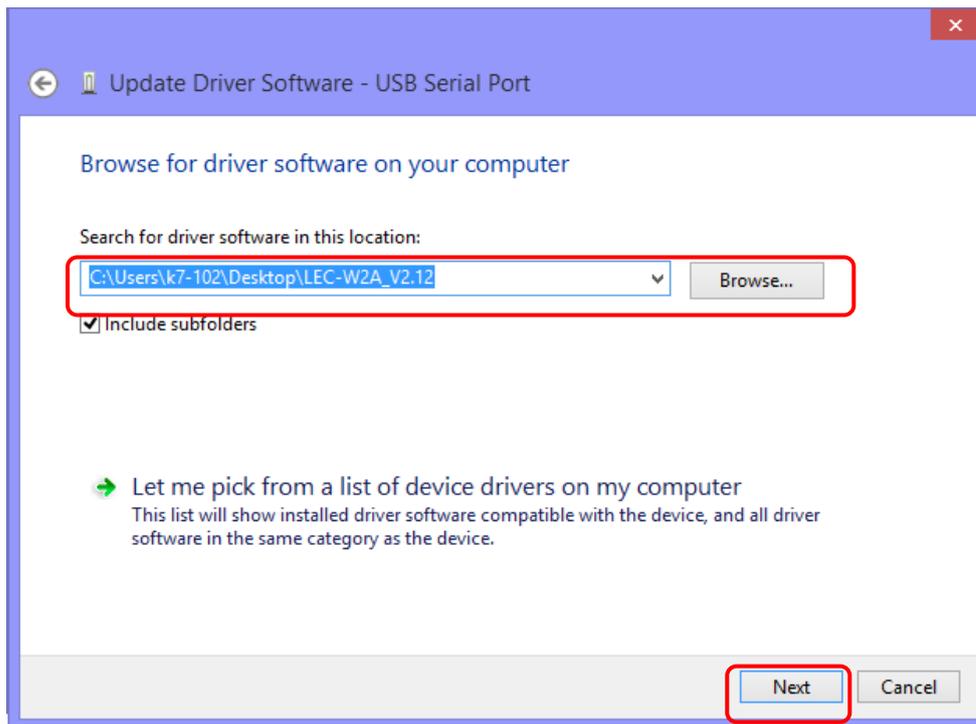
- v. When “Port (COM & LPT)” is not displayed, “SMC Serial Converter” is displayed under “Other devices”.



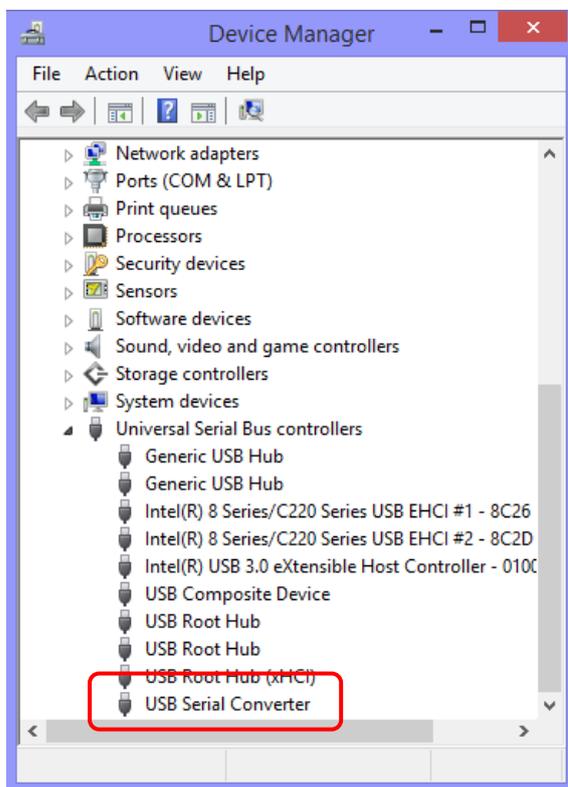
- vi. Right click the [SMC Serial Converter] with ! mark in [Other devices] to select [Update Driver Software].
- vii. When the following screen is displayed, select the “Browse my computer for driver software”.



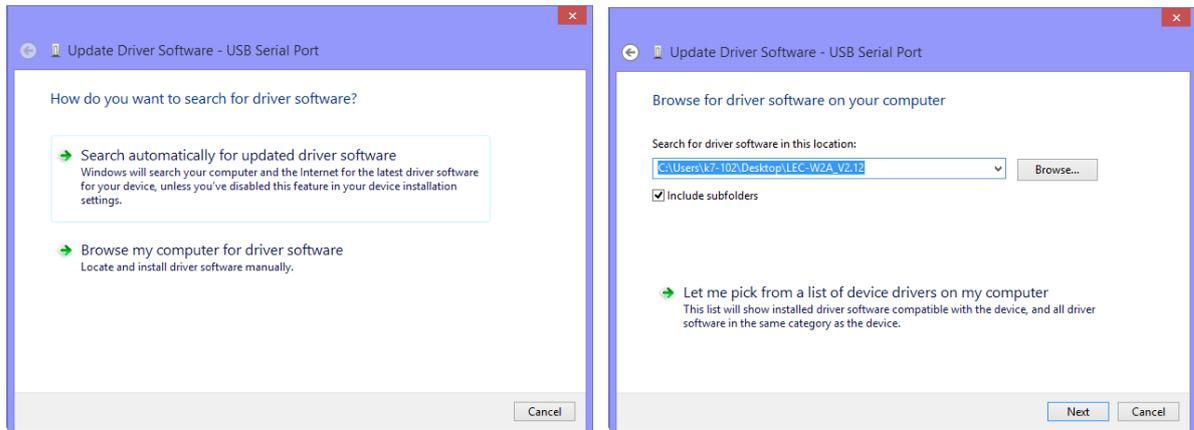
- viii. Click the [Browse] button to select the folder in the CD-ROM or the folder unzipped after downloading. Then, click [Next].



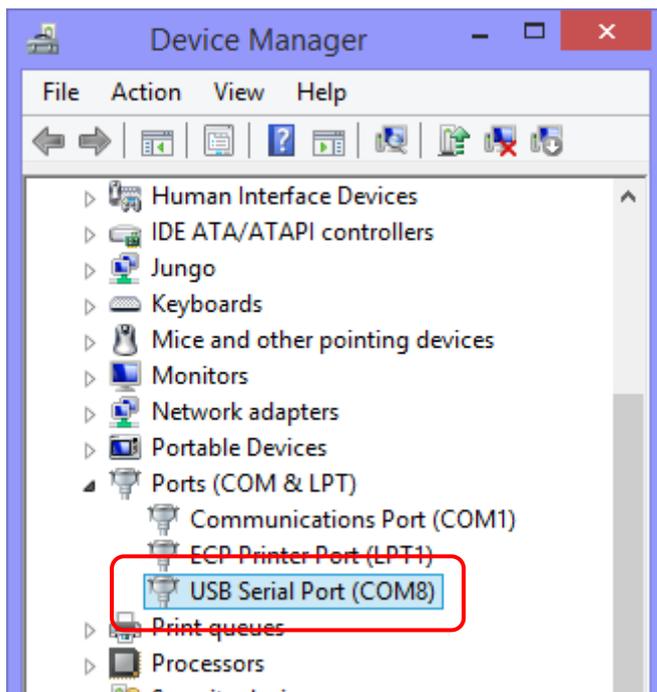
- ix. When the driver is installed, "USB Serial Converter" is displayed under the Device Manager "Universal Serial Bus controllers".



- x. Next the "virtual COM port driver" for the communication cable needs to be installed for the software to function properly. Continue the installation of the "virtual COM port driver" following the same procedure beginning from step VI.



- xi. Then, the driver is installed and "USB Serial Port (COM*)" is displayed under "Ports (COM & LPT)." Manual Driver installation has been completed.



2.2. Installation of the software

Copy the controller setting software "LATC_Configurator.exe" on the CD-ROM or downloaded from our website to your PC or desktop computer.

Double-click the copied file to start the software.



Caution

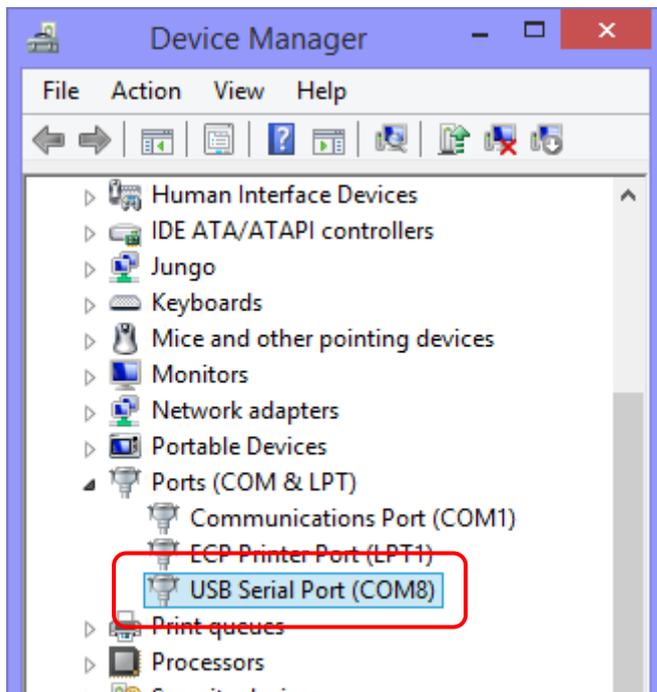
Read chapter "3. Check of the Communication Port" before starting the software.

3. Check of the Communication Port

When starting the LATC-Configurator software it is required to set the communication port number (COM no.) that has been assigned to the communication cable.

Check the communication port number using the Windows “Device Manager” as follows.

- i. Connect the communication cable LEC-W2A-C to the USB port of the PC using the USB cable (LEC-W2-U).
- ii. Right click the Windows logo  at the lower left of the desk top, and select “Device manager”.
- iii. Check the COM number for the RS485 communication from the “Ports (COM & LPT)” device “SMC Serial Port”. In this example it is shown as COM8.



The communication port number is needed when starting this software.

Caution

Check the communication port number after connecting the communication cable. The communication port number depends on the USB port the communication cable is currently connected to.

4. Starting the software

When the "LATC-Configurator.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".



* If "COM port Not Available" is displayed and/or the number of COM port to which a controller setting cable is connected is not displayed as shown above, the controller setting cable is not recognised. Confirm that the wiring and two drivers are properly installed (Refer to "3. Check of the Communication Port").



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 communication cable.

* If the dialog box shown, 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 function

Refer to the controller operation manuals for details of the controller and software functions.

Caution

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

Doc No. LA*-OMX0026-C

Revision history

A: Revised in June 2020
B: Revised in June 2023
C: Revised in September 2023

The latest Operation Manual can be downloaded from the SMC's website shown below.
Refer to SMC website for version update information.

<https://www.smcworld.com/>

SMC Corporation

4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021 JAPAN

Tel: + 81 3 5207 8249 Fax: +81 3 5298 5362

URL: <https://www.smcworld.com>

Note: Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

Windows is the registered Trademark or the Trademark of Microsoft Corporation in the United States or other countries.

© 2020 SMC Corporation All Rights Reserved