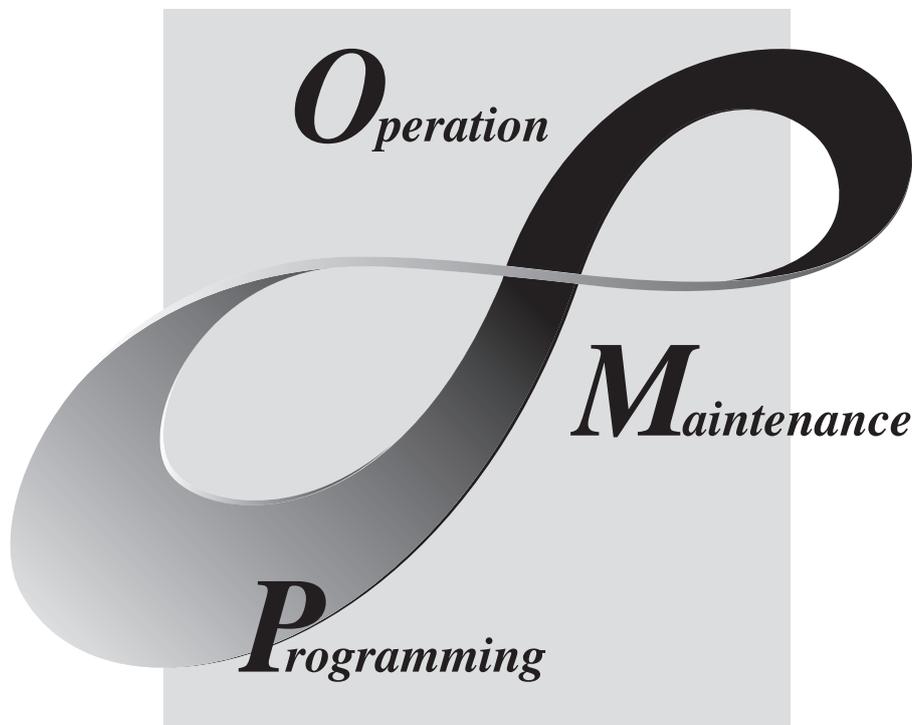


MX Component Version 3

Operating Manual

(Startup)

mitsubishi



MELSOFT
Integrated FA Software

SW3D5C-ACT-E

• CONDITIONS OF USE FOR THE PRODUCT •

- (1) Mitsubishi programmable controller ("the PRODUCT") shall be used in conditions;
 - i) where any problem, fault or failure occurring in the PRODUCT, if any, shall not lead to any major or serious accident; and
 - ii) where the backup and fail-safe function are systematically or automatically provided outside of the PRODUCT for the case of any problem, fault or failure occurring in the PRODUCT.

- (2) The PRODUCT has been designed and manufactured for the purpose of being used in general industries.

MITSUBISHI SHALL HAVE NO RESPONSIBILITY OR LIABILITY (INCLUDING, BUT NOT LIMITED TO ANY AND ALL RESPONSIBILITY OR LIABILITY BASED ON CONTRACT, WARRANTY, TORT, PRODUCT LIABILITY) FOR ANY INJURY OR DEATH TO PERSONS OR LOSS OR DAMAGE TO PROPERTY CAUSED BY the PRODUCT THAT ARE OPERATED OR USED IN APPLICATION NOT INTENDED OR EXCLUDED BY INSTRUCTIONS, PRECAUTIONS, OR WARNING CONTAINED IN MITSUBISHI'S USER, INSTRUCTION AND/OR SAFETY MANUALS, TECHNICAL BULLETINS AND GUIDELINES FOR the PRODUCT.

("Prohibited Application")

Prohibited Applications include, but not limited to, the use of the PRODUCT in;

- Nuclear Power Plants and any other power plants operated by Power companies, and/or any other cases in which the public could be affected if any problem or fault occurs in the PRODUCT.
- Railway companies or Public service purposes, and/or any other cases in which establishment of a special quality assurance system is required by the Purchaser or End User.
- Aircraft or Aerospace, Medical applications, Train equipment, transport equipment such as Elevator and Escalator, Incineration and Fuel devices, Vehicles, Manned transportation, Equipment for Recreation and Amusement, and Safety devices, handling of Nuclear or Hazardous Materials or Chemicals, Mining and Drilling, and/or other applications where there is a significant risk of injury to the public or property.

Notwithstanding the above, restrictions Mitsubishi may in its sole discretion, authorize use of the PRODUCT in one or more of the Prohibited Applications, provided that the usage of the PRODUCT is limited only for the specific applications agreed to by Mitsubishi and provided further that no special quality assurance or fail-safe, redundant or other safety features which exceed the general specifications of the PRODUCTS are required. For details, please contact the Mitsubishi representative in your region.

REVISIONS

* The manual number is given on the bottom left of the back cover.

Print Date	* Manual Number	Revision
Apr., 2002	SH (NA) -080270-A	First edition
Jun., 2002	SH (NA) -080270-B	Correction Section 3.3
Nov., 2006	SH (NA) -080270-C	Correction Section 2.2
Oct., 2007	SH (NA) -080270-D	Correction Generic Terms and Abbreviations, Section 2.2, Section 3.1.2, Section 3.2, Section 3.3, Section 3.4 Addition Section 3.4.3 Deletion Chapter 4
Jun., 2008	SH (NA) -080270-E	Correction Generic Terms and Abbreviations, Section 2.2, Section 3.1.2, Section 3.2, Section 3.3, Section 3.4, Section 3.4.3
Dec., 2008	SH (NA) -080270-F	Correction Section 2.2
Dec., 2009	SH (NA) -080270-G	Correction CONDITIONS OF USE FOR THE PRODUCT, Manuals, Product Makeup, Section 2.1, Section 2.2, Section 3.1.2, Section 3.4.1, Section 3.4.2, Section 3.4.3 Deletion SOFTWARE USER REGISTRATION
May, 2010	SH (NA) -080270-H	Addition Section 3.4.4, Section 3.5 Correction GENERIC TERMS AND ABBREVIATIONS, Section 2.2, Section 3.1.2 to 3.4
May, 2011	SH (NA) -080270-I	Correction Section 3.4.1, Section 3.4.2, Section 3.4.3, Section 3.4.4, Section 3.5 Addition Generic Terms and Abbreviations, Section 2.2, Section 3.1.2

Japanese Manual Version SH-080273-I

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INTRODUCTION

Thank you for choosing the Mitsubishi MELSOFT series Integrated FA software.
Read this manual and make sure you understand the functions and performance of MELSOFT series thoroughly in advance to ensure correct use.

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MANUALS

The following lists the manuals for this software package.
Refer to the following table when ordering manuals.

Related Manuals

Manual Name	Manual Number (Model Code)
MX Component Version 3 Operating Manual Explains the setting and operation methods of each utility on MX Component. (Sold separately)	SH-080271 (13JU32)
MX Component Version 3 Programming Manual Explains the programming procedures, details and error codes for ACT control. (Sold separately)	SH-080272 (13JF66)

Note: The above manuals are stored on the CD-ROM of the corresponding software packages in PDF format.
Any of the manuals is available separately in printed form. Please indicate its manual number (model code) in the above list, when ordering the printed manual.

NOTICES

- We do not guarantee the commercially-available Windows-based software products that have been introduced in this manual.
- We hold the copyrights of this software package.
- No part of this manual may be transcribed or duplicated in any form without prior permission by Mitsubishi Electric Corporation.
- We have attempted to cover all the revisions of software and hardware, but this manual may not contain the latest revisions.
- We assume that one software package will be used on one personal computer.
- We permit the user to use this software package (including this manual) based on the Software License Agreement.
- We are not liable for consequences or influences due to this software package (including this manual).
- The specifications of this software package and the descriptions in this manual may be altered in future without prior notice.

GENERIC TERMS AND ABBREVIATIONS

Unless otherwise stated, this manual uses the following abbreviations and terms for the explanation of MX Component.

Generic Term/Abbreviation	Description
MX Component	Generic product name for SWnD5C-ACT-E and SWnD5C-ACT-EA (n: version) -EA means a volume-license product.
Windows® 7	Generic term for Microsoft® Windows® 7 Starter Operating System, Microsoft® Windows® 7 Home Premium Operating System, Microsoft® Windows® 7 Professional Operating System, Microsoft® Windows® 7 Ultimate Operating System, and Microsoft® Windows® 7 Enterprise Operating System Note that the 32-bit version is designated as "32-bit Windows® 7", and the 64-bit version is designated as "64-bit Windows® 7".
Windows Vista®	Generic term for Microsoft® Windows Vista® Home Basic Operating System, Microsoft® Windows Vista® Home Premium Operating System, Microsoft® Windows Vista® Business Operating System, Microsoft® Windows Vista® Ultimate Operating System and Microsoft® Windows Vista® Enterprise Operating System
Windows® XP	Generic term for Microsoft® Windows® XP Professional Operating System and Microsoft® Windows® XP Home Edition Operating System
PC CPU module	Abbreviation for MELSEC-Q series corresponding PC CPU module (CONTEC CO., LTD. make)
Personal computer	Generic term for PC CPU module and IBM-PC/AT compatible Personal computer.
1-license product	Abbreviation for MX Component 1-license product
Volume license product	Abbreviation for MX Component volume license product

PRODUCT MAKEUP

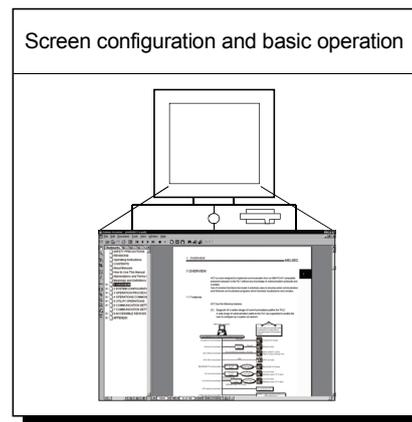
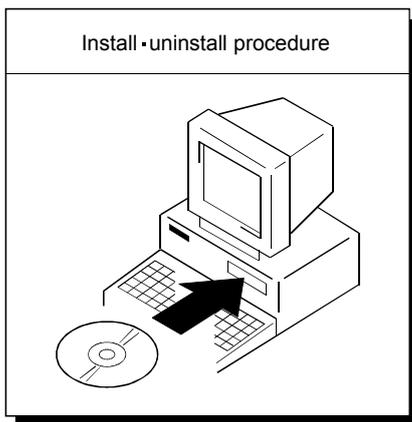
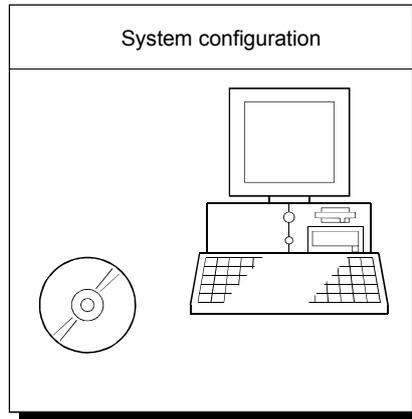
The MX Component consists of the following products.

Type	Product Name	Quantity
SW3D5C-ACT-E	MX Component Version 3(1-license product) (CD-ROM)	1
	End-user software license agreement	1
	License certificate	1
SW3D5C-ACT-EA	MX Component Version 3(Volume license product) (CD-ROM)	1
	End-user software license agreement	1
	License certificate	n ^{*1}

*1: The number of License agreements, which is included with the product, is equivalent to that of licenses.

1 GENERAL DESCRIPTION

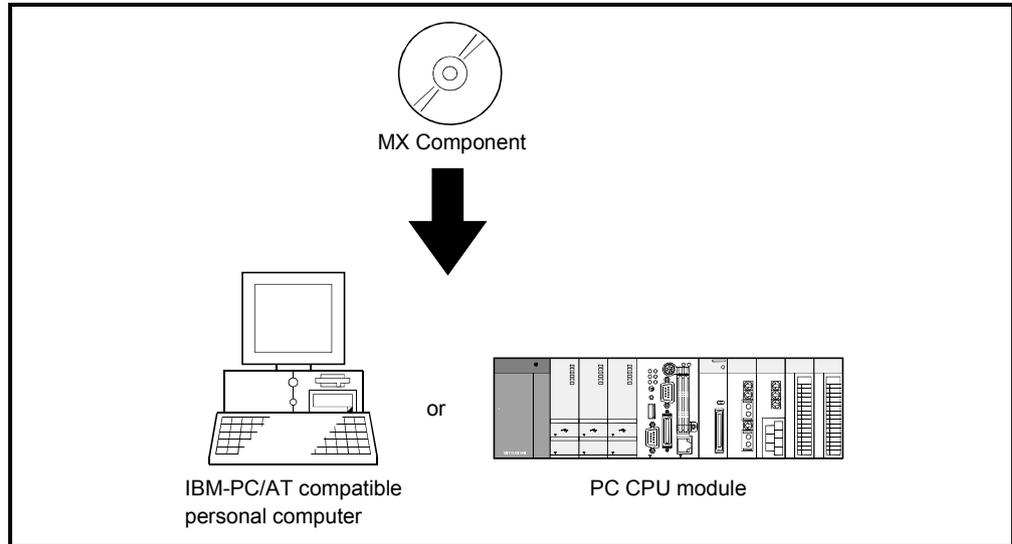
This manual explains the system configuration, installation and uninstallation procedures and manual browsing method of MX Component which operates on Windows® .



2 SYSTEM CONFIGURATION

2.1 System Configuration

The following figure shows the system configuration.



POINT

It is illegal to use this product on two or more personal computers.
You must not use this product on any other personal computer than one specified
in Section 2.2 Operating Environment.

2.2 Operating Environment

The following table summarizes the operating environment for MX Component.

Item		Description
Computer	IBM PC/AT compatible personal computer	133MHz or more Pentium® *1 IBM PC/AT compatible personal computer where the OS operates.
	PC CPU module	MELSEC-Q series compatible PC CPU module (CONTEC CO., LTD. make)
Required memory		32MB or more *2
Hard disk free space		100MB or more
Disk drive		CD-ROM disk drive
Display		Resolution 800 × 600 pixels or higher (1024 × 768 pixels or higher for Windows Vista® .)
System Software		Microsoft® Windows® 2000 Professional Operating System (English version), Microsoft® Windows® Millennium Edition Operating System (English version), Microsoft® Windows® 95 Operating System (English version), Microsoft® Windows® 98 Operating System (English version), Microsoft® Windows NT® Workstation Operating System Version 4.0 (English version) *3, Microsoft® Windows® XP Professional Operating System (English version) *4, Microsoft® Windows® XP Home Edition (English version) *4, Microsoft® Windows Vista® Home Basic Operating System (English version), Microsoft® Windows Vista® Home Premium Operating System (English version), Microsoft® Windows Vista® Business Operating System (English version), Microsoft® Windows Vista® Ultimate Operating System (English version), Microsoft® Windows Vista® Enterprise Operating System (English version), Microsoft® Windows® 7 Starter Operating System (English version), Microsoft® Windows® 7 Home Premium Operating System (English version), Microsoft® Windows® 7 Professional Operating System (English version), Microsoft® Windows® 7 Ultimate Operating System (English version) or Microsoft® Windows® 7 Enterprise Operating System (English version)

(To the next page)

- *1: Pentium® 150MHz or more is recommended for the use of Windows® Me, Pentium® 300MHz or more for the use of Windows® XP, and 1GHz or more is recommended for the use of Windows Vista® and Windows® 7.
- *2: 64MB or more is recommended for Windows® 2000 Professional, 128MB or more is recommended for Windows® XP, 1GB or more is recommended for Windows Vista® and 32-bit Windows® 7, and 2GB or more is recommended for 64-bit Windows® 7.
- *3: Service Pack 3 or more is needed for the use of Windows NT® Workstation 4.0.
- *4: MX Component cannot be used in the XP compatibility mode.

Item	Description	
Programming language *5	Programming language	Development software
	Visual Basic®	Microsoft® Visual Basic® 6.0 (English version), Microsoft® Visual Basic® .NET 2003 (English version), Microsoft® Visual Studio® 2005 Visual Basic® (English version) *8, Microsoft® Visual Studio® 2008 Visual Basic® (English version) *9, Microsoft® Visual Studio® 2010 Visual Basic® (English version) *10
	Visual C++®	Microsoft® Visual C++® 6.0 (English version), Microsoft® Visual C++® .NET 2003 (English version), Microsoft® Visual Studio® 2005 Visual C++® (English version) *8, Microsoft® Visual Studio® 2008 Visual C++® (English version) *9, Microsoft® Visual Studio® 2010 Visual C++® (English version) *10
	VBScript *6, *7	Text editor and commercially available HTML tool
	VBA	Microsoft® Excel 2000 (English version), Microsoft® Excel 2002 (English version) *11, Microsoft® Excel 2003 (English version) *12, Microsoft® Excel 2007 (English version) *13, 32-bit Microsoft® Excel 2010 (English version) *14, Microsoft® Access 2000 (English version), Microsoft® Access 2002 (English version) *11, Microsoft® Access 2003 (English version) *12, Microsoft® Access 2007 (English version) *13, 32-bit Microsoft® Access 2010 (English version) *14

- *5: User programs created in the English environment may be used in the English environment only. They cannot be used in the Japanese environment.
- *6: To operate VBScript, use Internet Explorer (version 5.00.2919.6307 or later).
- *7: When Windows® Me or Windows® XP Home Edition is used, the ASP function is unusable.
- *8: Windows® 2000 Service Pack 4 or later, or Windows® XP Service Pack 2 or later is required for Visual Studio® 2005. When using Visual Studio® 2005 on Windows Vista®, Visual Studio® 2005 Service Pack 1 or Visual Studio® 2005 Service Pack 1 Update for Windows Vista® is required.
- *9: Windows® XP Service Pack 2, Windows Vista® or later is required for Visual Studio® 2008. When using Visual Studio® 2008 on Windows® 7, Visual Studio® 2008 Service Pack 1 is required.
- *10: For Visual Studio® 2010, Windows® XP Service Pack 3, Windows Vista® Service Pack 2 or higher, or Windows® 7 or later is required.
- *11: When using Excel 2002 or Access 2002 on Windows® 7, Windows® XP Service Pack 3 or later is required.
- *12: When using Excel 2003 or Access 2003 on Windows® 7, Windows® 2003 Service Pack 3 or later is required.
- *13: Windows® XP Service Pack 2 or later is required for Excel 2007 or Access 2007.
- *14: For 32-bit Excel 2010 and 32-bit Access 2010, Windows® XP Service Pack 3, Windows Vista® Service Pack 1 or higher, or Windows® 7 or later is required.
64-bit Excel 2010 and 64-bit Access 2010 are not supported.

POINT
<p>(1) Instruction for use of the online manual Use with addition of personal computer memory ensures comfortable operation.</p> <p>(2) Instruction for use of the PDF data Use with addition of personal computer memory ensures comfortable operation.</p> <p>(3) When Windows® XP, Windows Vista® or Windows® 7 is used, the following new functions cannot be used. If any of the following new functions is used, this product may not operate normally.</p> <ul style="list-style-type: none">Start of application in Windows® compatible modeFast user switchingRemote desktopBig fonts (Details setting of Screen properties) <p>64-bit Windows® XP and 64-bit Windows Vista® are not supported.</p> <p>(4) When Windows® 7 is used, the following new functions cannot be used.</p> <ul style="list-style-type: none">Windows XP ModeWindows Touch <p>(5) When creating a user program, select "x86" (32 bits) "Target CPU".</p>

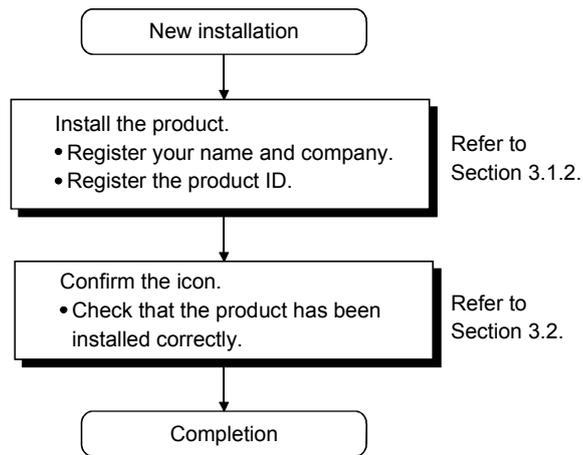
3 INSTALLATION AND UNINSTALLATION

This chapter provides how to install and uninstall MX Component.

3.1 Installation

3.1.1 Installing procedure

Install MX Component in the following procedure.



3.1.2 Installation

The following is how to install MX Component.

POINT

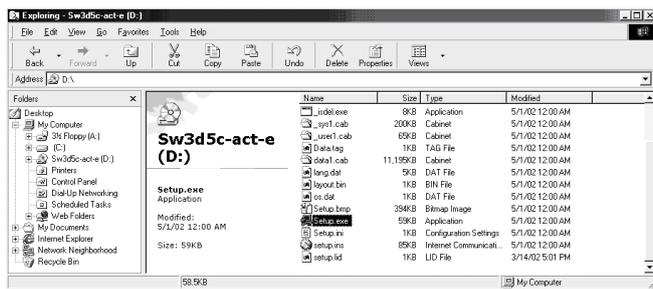
- (1) Terminate all the other applications running under Windows® before installation.
- (2) The installer may not work normally because the update program of operating system or other companies' software such as Windows Update and java update may start automatically. Please install the driver after changing the setting of the update program not to start automatically.
- (3) When the OS is Windows NT® Workstation 4.0, Windows® 2000 Professional, Windows® XP, Windows Vista® or Windows® 7, log on as a user with administrator privileges.

(1) Installing the product

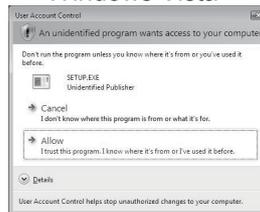
- 1) Start Windows® after powering on the personal computer.

- 2) Start Explorer and click the drive in which the disk has been inserted. Double-click "setup.exe". To display Explorer, right-click "Start" and select "Explorer".

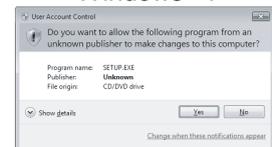
* When user account control is enabled, the following screen appears. Click "Allow" or **Yes**.



< Windows Vista® >

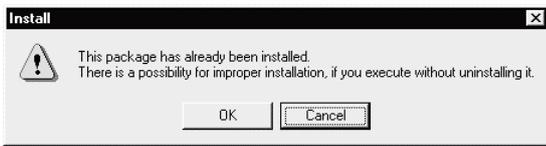


< Windows® 7>



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- 3) If the message shown on the left appears, click **Cancel**, uninstall MX Component, and then reinstall it.

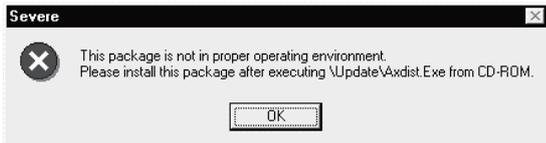
REMARK

If SW0D5C-ACT-E has been installed in the personal computer where MX Component Version 3 will be installed, installing MX Component Version 3 without uninstalling SW0D5C-ACT-E will delete the licenses of SW0D5C-ACT-E.



If the screen shown on the left appears, perform operation in accordance with the instructions given in (a) of "(2) When message appears at start of installation".

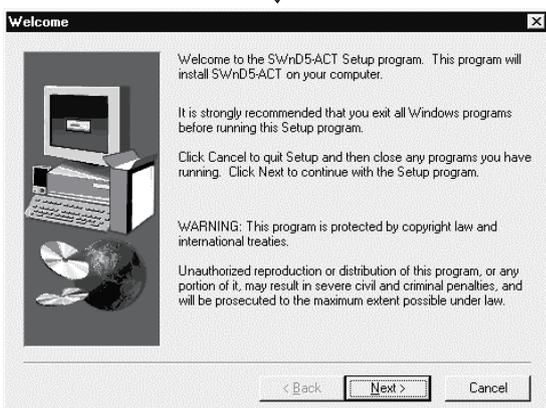
After the operation is over, restart installation operation.



If the screen shown on the left appears, perform operation in accordance with the instructions given in (b) of "(2) When message appears at start of installation". After the operation is over, restart installation operation.



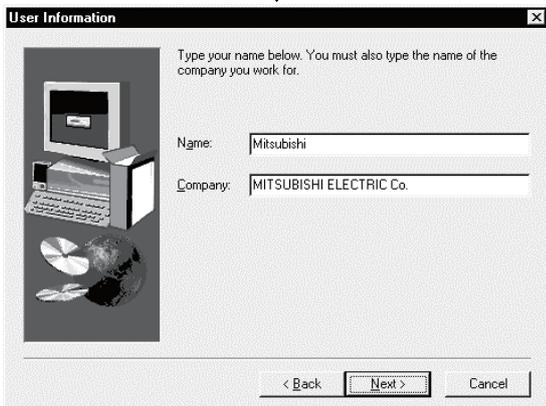
- 4) As the screen shown on the left appears, make sure that all applications have been closed and click **OK**. If the applications are running, close all running applications.



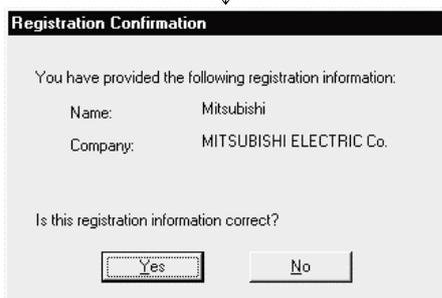
- 5) As the screen shown on the left appears, read the information and click **Next>**.

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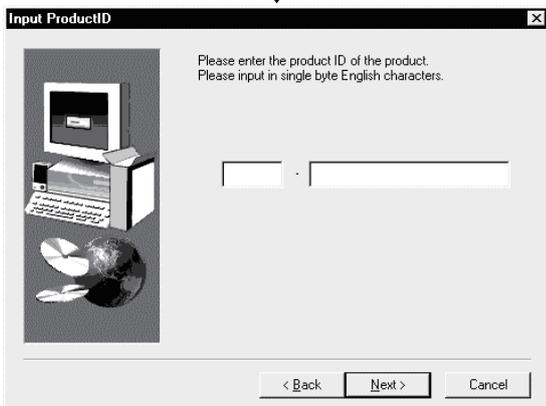
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- 6) Enter the name and company name, and then click **Next>** .



- 7) Confirm the registered name and company name. If they are correct, click **Yes** . To make a change, click **No** to return to the previous screen.



- 8) Enter the product ID and click **Next>** . The product ID is printed on the License certificate.

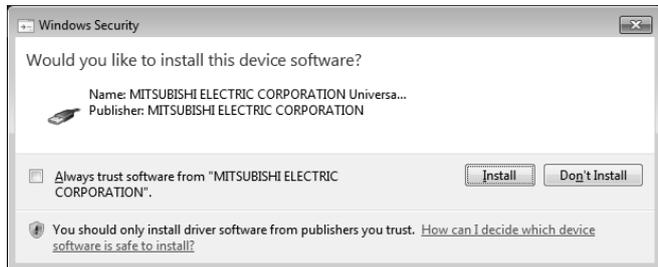
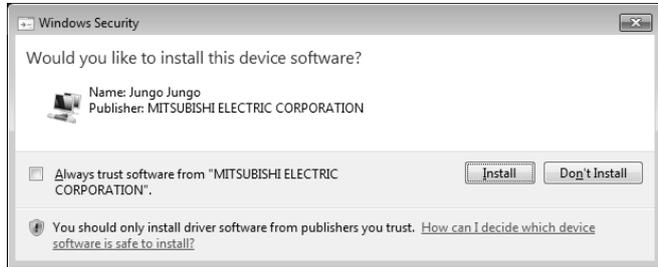


- 9) Specify the installation destination folder. If the displayed installation destination folder is correct, click **Next>** . If you change the destination folder, click **Browse...** and specify a new drive and folder.

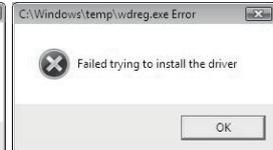
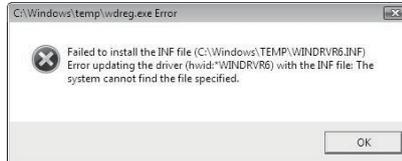
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- * When the following screen appears, click **Install** . This screen may appear in several times.



- The either of the following screens may appear behind the Windows Security screen. Then, press the **Alt** + **Tab** keys to bring it to the front. Click **OK** on the following screens.

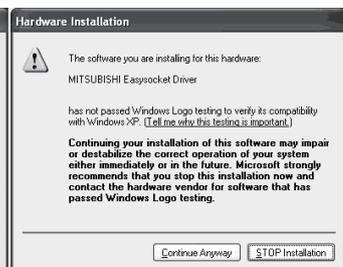


- * For Windows® XP, the following screen may appear at installation.

Click **Continue Anyway** .

We checked operations in Windows® XP (Problems never occur after installation.)

The following screen may appear behind another screen. Then, press the **Alt** + **Tab** keys to bring it to the front.



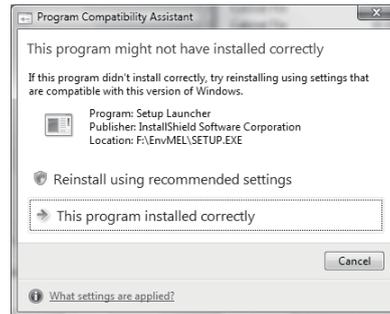
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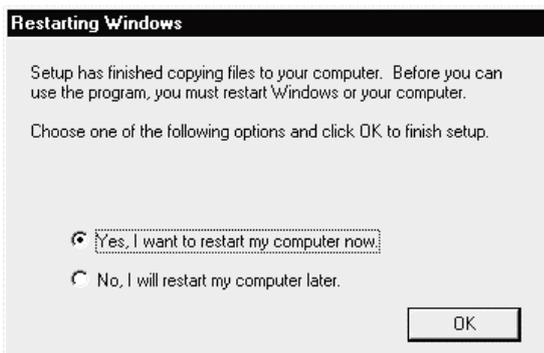
10) This completes installation.
Click **OK**.

* When the following screen appears, regardless of the installation result, select "This program installed correctly".



Do not select "Reinstall using recommended settings", because the installer installs an incorrect module. If it was selected by mistake, reinstall MX Component in accordance with the POINT on the next page.

11) When the screen shown on the left appears, restart Windows®.



(Completion)

REMARK

When Windows® XP Professional, Windows Vista® or Windows® 7 is used, the icons are registered to [Start] - [All Programs] - [MELSOFT Application].

POINT

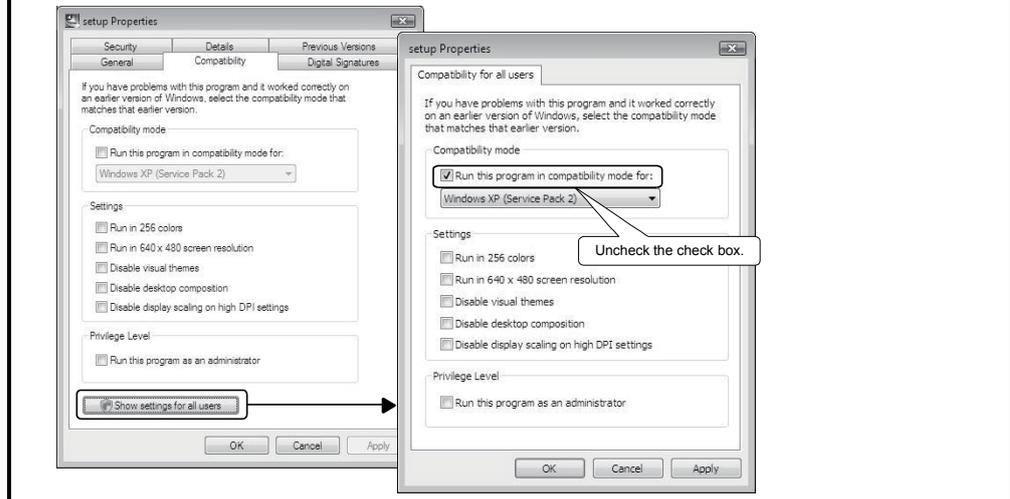
Note the following instructions when the installer is started from the hard disk drive of the personal computer.

If the "Program Compatibility Assistant" screen appears after the installation, select "This program installed correctly".

If "Reinstall using recommended settings" is selected by mistake, 'Windows XP compatibility mode' is set automatically.

Disable the 'Windows XP compatibility mode' by following the procedure described below, and perform the reinstallation.

1. Right-click on the setup.exe icon of the installation target in the Windows explorer, and open the "setup Properties" screen.
2. Select the <<Compatibility>> tab and click **Show settings for all users** .
3. Uncheck the "Run this program in compatibility mode for:" check box of compatibility mode in the <<Compatibility for all users>> tab and click **OK** .
4. Click **OK** on the "setup Properties" screen.



(2) When message appears at start of installation

When the installation of this product starts, the "This package is not in proper operating environment" message appears, disabling normal completion of installation.

In such a case, close all applications and perform the (a) or (b) operation.

(a) Installation of dcom95.exe or AXDIST.exe

Execute dcom95.exe or AXDIST.exe provided for MX Component.

Install MX Component after executing the exe file and restarting the personal computer.

Execute the exe file on the corresponding operating system as follows.

OS	File name
Microsoft® Windows® 95 Operating System	dcom95.exe
Microsoft® Windows® 98 Operating System	AXDIST.exe
Microsoft® Windows NT® Workstation Operating System Version 4.0	AXDIST.exe

(dcom95.exe and AXDIST.exe are in the "Update" folder on CD-ROM.)

(b) Installation of EnvMEL

Execute "/EnvMEL/Setup.exe" within the product (CD-ROM).

Then, install the product.

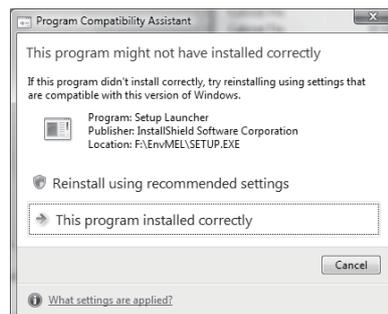
* When user account control is enabled, the following screen appears. Click "Allow" or **Yes**.



After executing the above exe file, reinstall the product. If this product is not installed properly at this time, reboot the personal computer.

* When the following screen appears, regardless of the installation result, select "This program installed correctly".

Do not select "Reinstall using recommended settings", because the installer installs an incorrect module.



3.2 Registered Icons

Installation of MX Component registers the following icons to [Start] - [Programs] - [MELSOFT Application] - [MX Component].

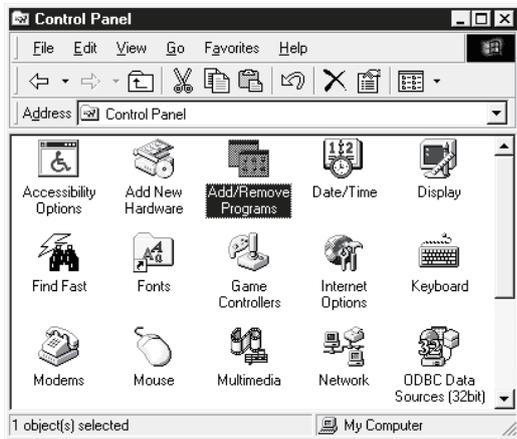
REMARK

When Windows® XP, Windows Vista® or Windows® 7 is used, the icons are registered to [Start] - [All Programs] - [MELSOFT Application].

Icon	Name	Description
	PLC Monitor Utility	Starts the PLC monitor utility.
	Communication setup utility	Starts the communication setup utility.

3.3 Uninstallation

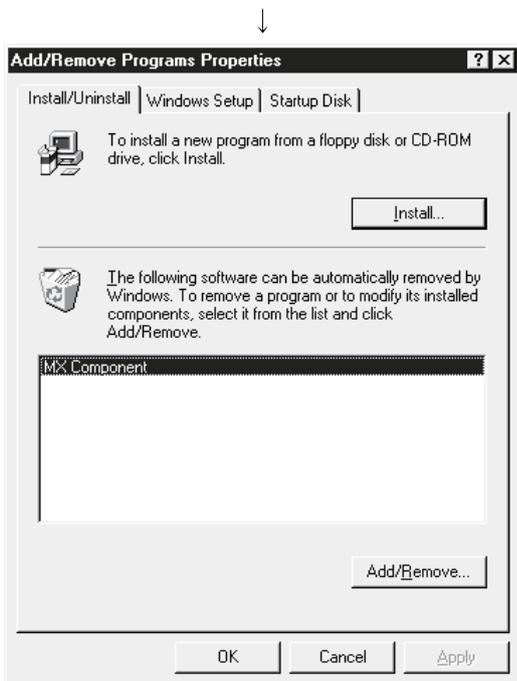
The following is how to uninstall MX Component.



- 1) Select and double-click "Add/Remove Programs" in the Control Panel.
On Control Panel, select [Start] - [Settings] - [Control Panel].

REMARK

When using Windows® XP, select "Add/Remove Programs" from the Control Panel.
To display the Control Panel, select [Start] - [Control Panel].
Select "Uninstall a program" on the Control Panel in Windows Vista® or Windows® 7.



- 2) Select "MX Component".
And then click **Add/Remove ...**.

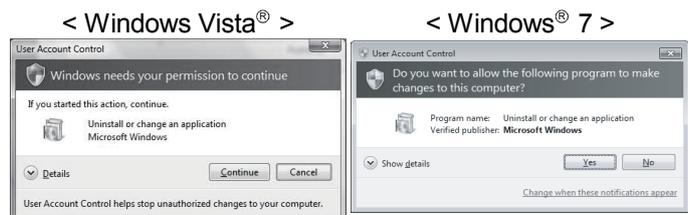
REMARK

The screen shown on the left is the one for Windows® 98.
The displayed screen varies with the OS.
Depending on the used OS, perform the following operation.

- < Windows® 2000 Professional or Windows® XP >
 - (a) Click "Change or Remove programs".
 - (b) Select "MX Component".
 - (c) Click **Change/Remove**.
- < Windows Vista® or Windows® 7 >

Select "MX Component" on the "Uninstall or change a program" screen, and click "Uninstall/Change".

* When user account control is enabled, the following screen appears.
Click **Continue** or **Yes**.



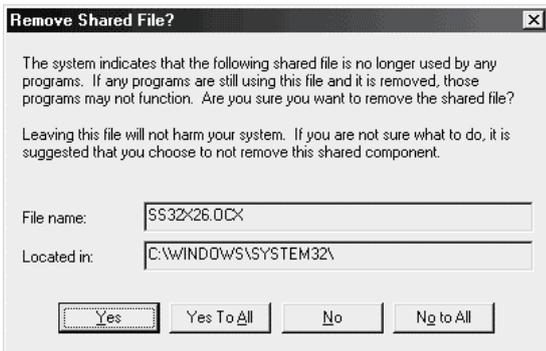
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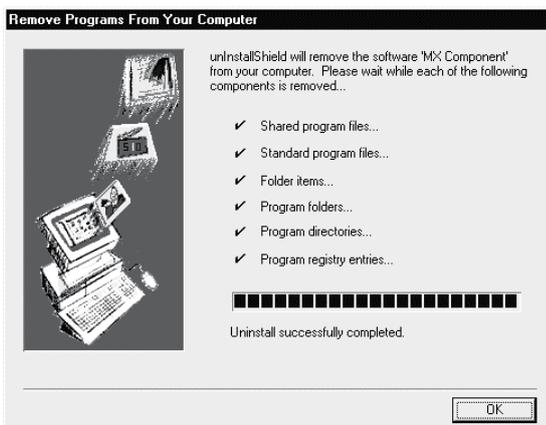


- 3) Check whether you will remove the software package or not.
When uninstalling it, click **Yes** .
Uninstallation starts.
When not uninstalling it, click **No** .
This returns to the preceding screen.

* Components indicate the icons and files installed.



- 4) If the screen shown on the left appears, click **No To All** .
The software package of only MX Component is removed.
If you click **Yes** or **Yes To All** , the shared file of the Windows® compatible MELSOFT software will be removed and the other software packages may not operate properly.



- 5) When the message of finished removal appears, click **OK** .
If the screen warns of files that were not deleted, restart the personal computer.

(Completion)

POINT

Uninstalling deletes all the settings within "Communication Setup Utility".
To avoid this, export the file storing the settings.

3.4 Installing the USB Driver

When Windows® 2000 Professional, Windows® XP, Windows Vista® or Windows® 7 is used, the USB driver must be installed to make CPU USB communication.

The following is the USB driver installation procedure.

POINT
<p>If the USB driver cannot be installed, check the following setting.</p> <p>(1) When Windows® 2000 Professional is used</p> <p>If you have selected "Block-Prevent installation of unsigned files" after [Control Panel] - [System] - [Hardware] - [Driver Signing], the USB driver may not be installed.</p> <p>Select "Ignore-Install all files, regardless of file signature" or "Warn-Display a message before installing an unsigned file" for [Driver Signing], and install the USB driver.</p> <p>(2) When Windows® XP is used</p> <p>If you have selected "Block-Never install unsigned driver software" after [Control Panel] - [System] - [Hardware] - [Driver Signing], the USB driver may not be installed.</p> <p>Select "Ignore-Install the software anyway and do not ask for my approval" or "Warn-Prompt me each time to select an action" for [Driver Signing], and install the USB driver.</p>

3.4.1 When Windows® 2000 Professional is used

The following indicates the procedure for installing the USB driver when using Windows® 2000 Professional.



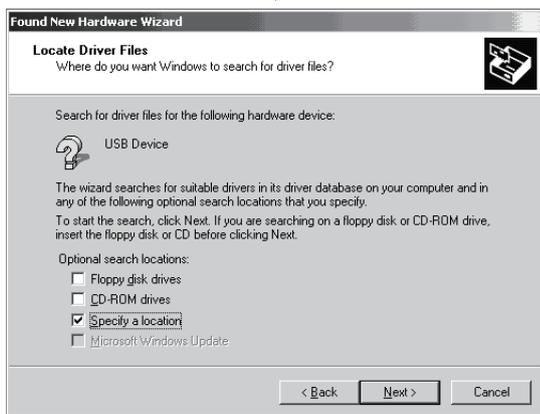
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- 1) The screen shown on the left appears when the personal computer is connected to the programmable controller CPU with a USB cable.
Click **Next>** .

(From the previous page)



2) Select "Search for a suitable driver for my device (recommended)" and click **Next>** .



3) Check "Specify a location" and click **Next>** .



4) As the screen shown on the left appears, set the MX Component installation destination "Easysocket\USBdrivers" and click **Next>** .
The left screen is an example when C:\MELSEC\Easysocket\USBdrivers is set. If volume MELSOFT products have been installed, browse the installation destination of the first product.



5) The screen on the left appears to indicate completion of installation. Click **Finish** to terminate installation.

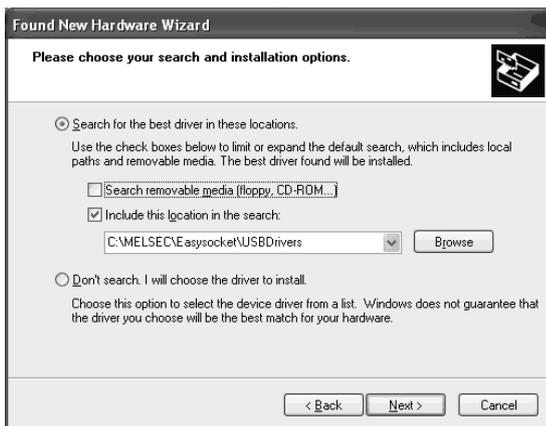
(Completion)

3.4.2 When Windows® XP is used

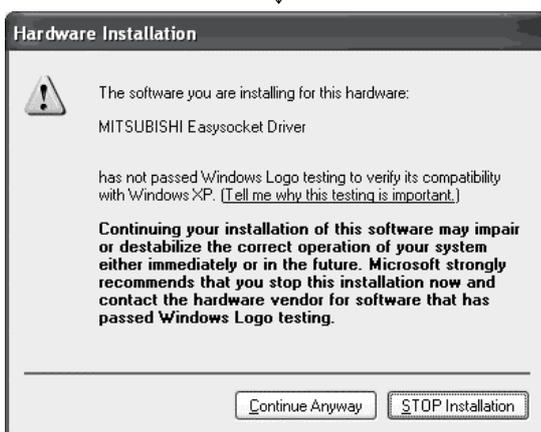
The following indicates the procedure for installing the USB driver when using Windows® XP.



- 1) The screen shown on the left appears when the personal computer is connected to the programmable controller CPU with a USB cable. Select "Install from a list or specific location [Advanced]" and click **Next>**.



- 2) As the screen shown on the left appears, select "Include this location in the search". Check "Include this location in the search" and set "Easysocket\USBDrivers" of the folder where MX Component was installed. After setting, click **Next>**. The left screen is an example when C: \MELSEC\Easysocket\USBDrivers is set. If volume MELSOFT products have been installed, browse the installation destination of the first product.



- 3) As the screen shown on the left appears, click **Continue Anyway**.

REMARK

Though the screen shown on the left appears during installation of the USB driver, we have confirmed that the USB driver operates properly using Windows® XP. (No problem will occur after installation of the USB driver.)

Click **Continue Anyway** to continue the installation of the USB driver.

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- 4) The screen shown on the left appears to indicate completion of installation. Click **Finish** to terminate installation.

(Completion)

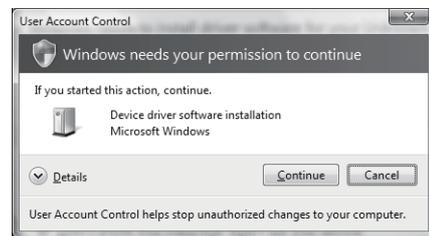
3.4.3 When Windows Vista® is used

The following shows installation procedure of USB driver when using Windows Vista® .

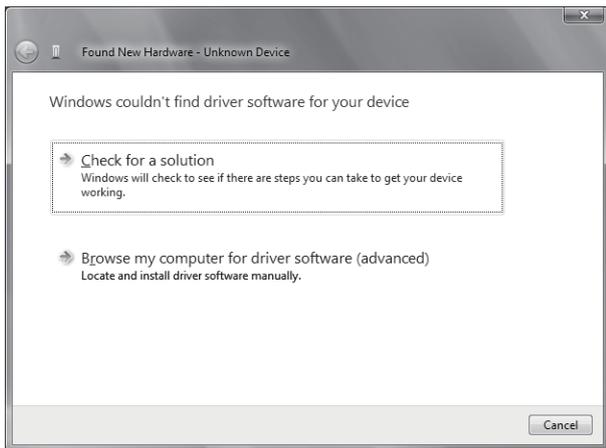


- 1) The screen shown on the left appears when the personal computer is connected to the programmable controller CPU with a USB cable. Select "Locate and install driver software (recommended)" and wait until searching ends.

* When user account control is enabled, the following screen appears. Click **Continue** .

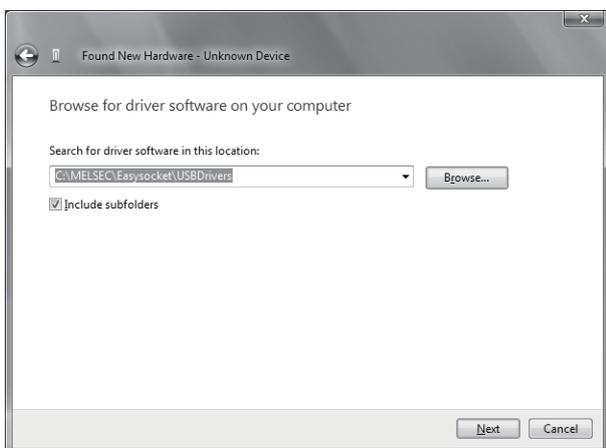


- 2) The screen shown on the left appears. Select "Browse my computer for driver software (advanced)".



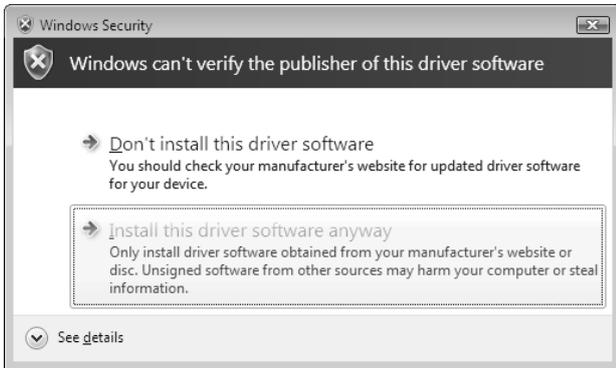
- 3) The screen shown on the left appears. Set installation location of MX Component, "Easysocket\USBdrivers". Then, click **Next>** .

The left screen is an example when C:\MELSEC\Easysocket\USBdrivers is set. If multiple MELSOFT products have been installed, refer to the installation location of the first installed product.

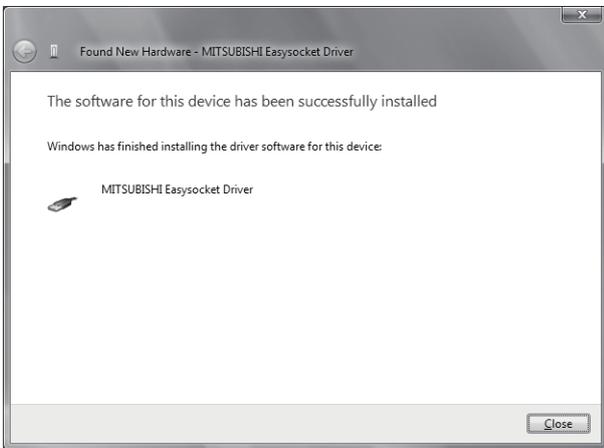


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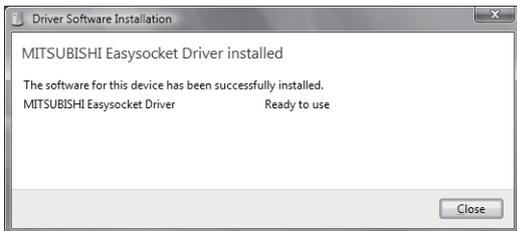
(From the previous page)



- 4) The screen shown on the left appears. Select "Install this driver software anyway".



- 5) The screen shown on the left appears. Click **Close**.



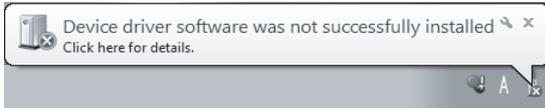
- 6) The screen shown on the left appears when the installation ends. Click **Close** to exit.



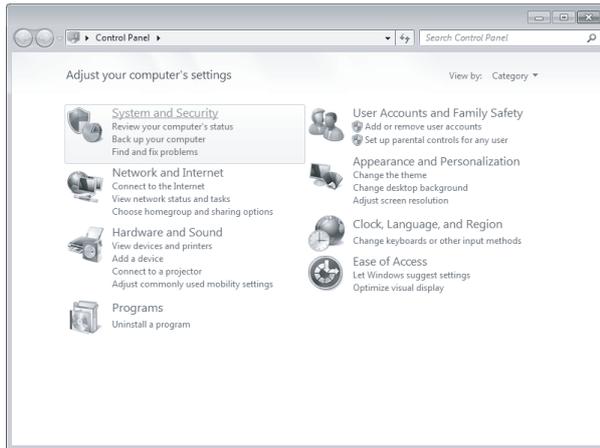
(Completion)

3.4.4 When Windows® 7 is used

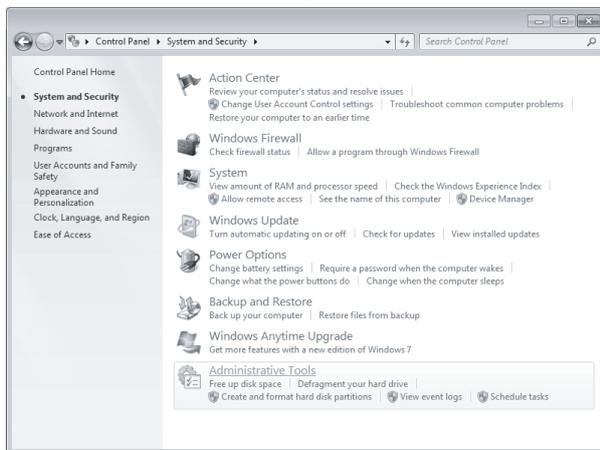
The following shows installation procedure of USB driver when using Windows® 7.



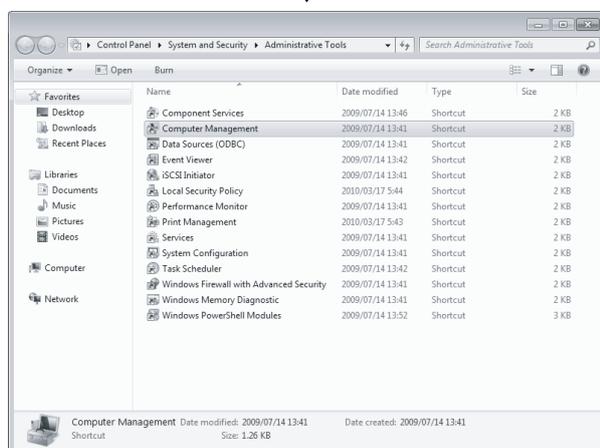
1) The message shown on the left appears when the personal computer is connected to the programmable controller CPU with a USB cable.



2) Select "System and Security" from the Control Panel.
To display the Control Panel, select [Start] - [Control Panel].



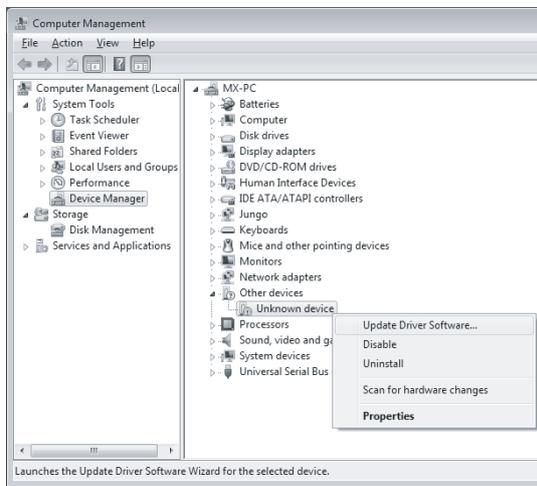
3) The screen shown on the left appears. Select "Administrative Tools".



4) The screen shown on the left appears. Select "Computer Management".

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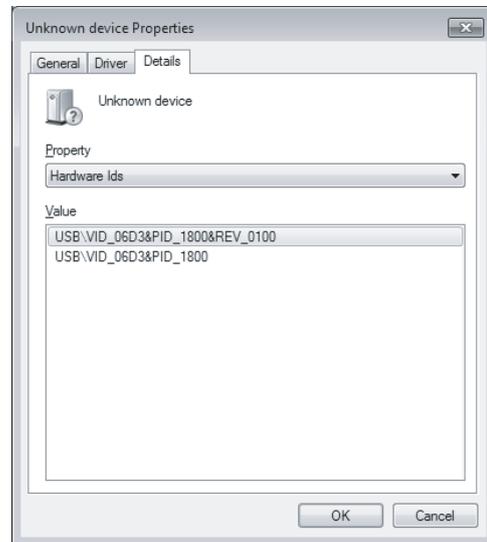
(From the previous page)



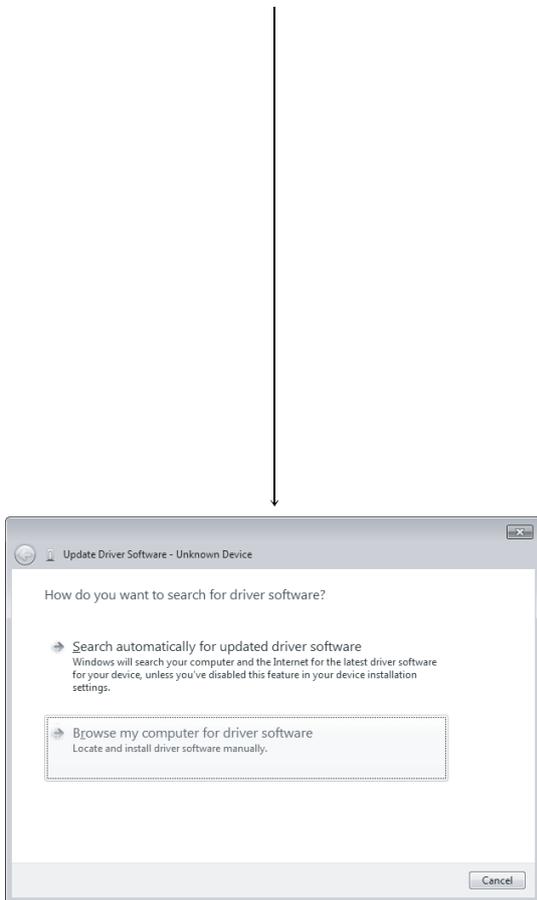
- 5) Right-click "Unknown device" in the Windows Device Manager as shown left, and select "Update Driver Software...".

REMARK

If multiple 'Unknown devices' exist therefore cannot be specified, right-click "Unknown device" as shown left and select "Properties". The "Unknown device", whose "Hardware Ids" is "USB\VID_06D3&PID_1800" on the <<Details>> tab of the properties screen, is the update target.

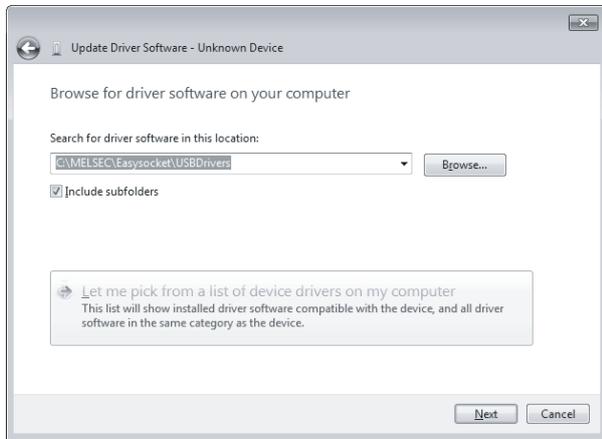


- 6) The screen shown on the left appears. Select "Browse my computer for driver software".



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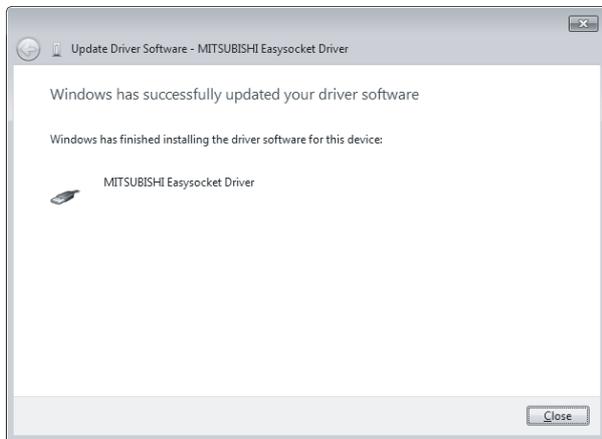
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- 7) The screen shown on the left appears. Set installation location of MX Component, "Easysocket\USBdrivers". Then, click **Next>**. The left screen is an example when C:\MELSEC\Easysocket\USBdrivers is set. If multiple MELSOFT products have been installed, refer to the installation location of the first installed product.



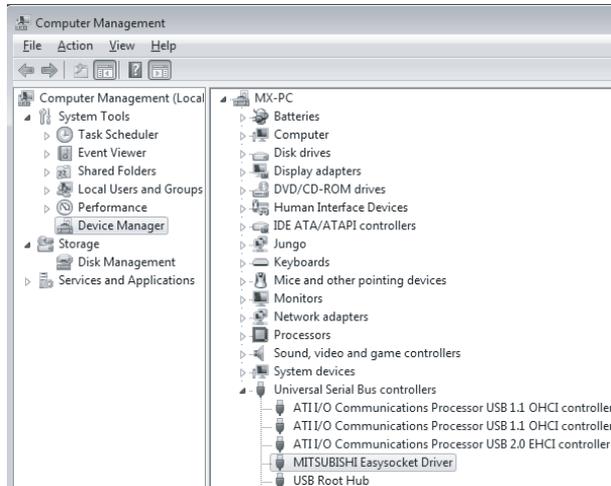
- 8) The screen shown on the left appears. Click **Install**.



- 9) The screen shown on the left appears. Click **Close**.

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10) "MITSUBISHI Easysocket Driver" is registered under "Universal Serial Bus controllers".



(Completion)

3.5 Updating the USB Driver

In Windows Vista® or Windows® 7, if MELSOFT incompatible with each operating system has been installed when MELSOFT compatible with each operating system is installed, upgrading the USB drivers is required.

The USB driver has the following two types:

- USB driver for programmable controller connection
- USB driver for GOT connection (used for the GOT transparent mode.)

(1) Procedure for updating the USB driver for programmable controller connection

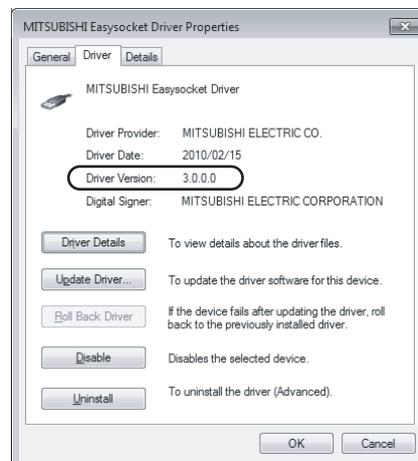
(a) Checking method

Whether an update of the USB driver is required or not can be checked by its version.

Start the Windows Device Manager while the personal computer is connected to the programmable controller with USB, right-click "MITSUBISHI Easysocket Driver", and select "Properties".

Update is necessary if the version shown in the <<Driver>> tab of the properties screen is the following.

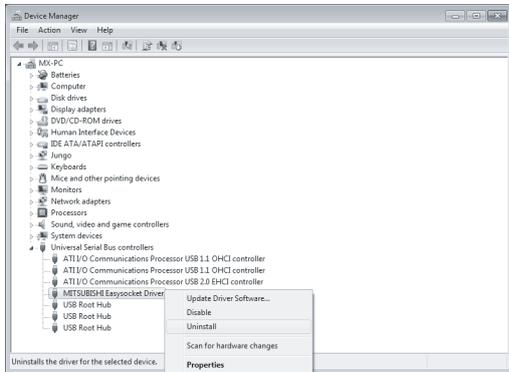
- Windows Vista® : "2.0.0.0" or earlier
- Windows® 7 : "3.0.0.0" or earlier



(b) Procedure for update

1) Connect the programmable controller to the personal computer with USB cable.

2) Start the Windows Device Manager, right-click "MITSUBISHI Easysocket Driver" as shown left, and select "Uninstall".



3) The warning dialog box as shown on the left appears. Check the "Delete the driver software for this device" check box, and click **OK**.



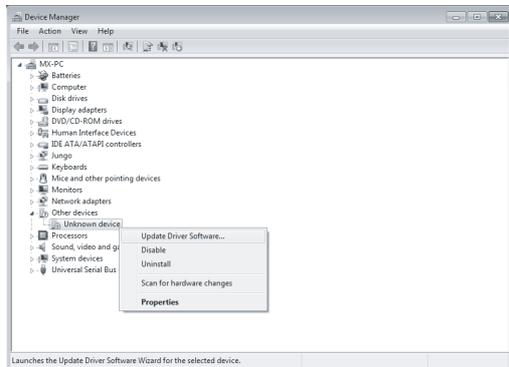
4) Disconnect the USB cable and reconnect it to the same USB port after 5 seconds.

When using Windows Vista®, the following screen is displayed. Select "Ask me again later".



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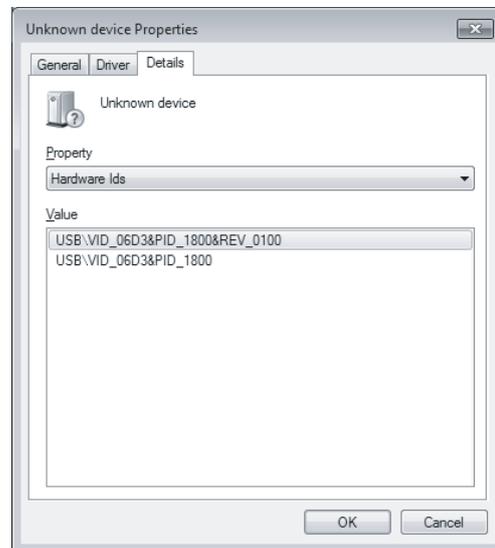
(From the previous page)



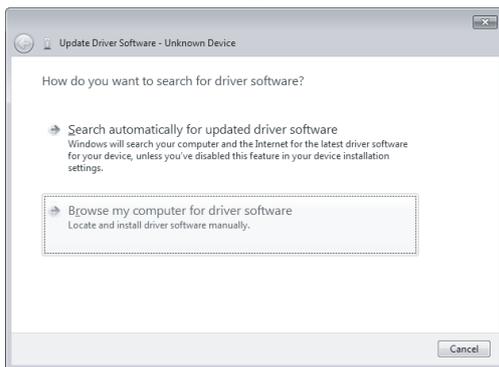
- 5) Right-click "Unknown device" in the Windows Device Manager as shown left, and select "Update Driver Software...".

REMARK

If multiple 'unknown devices' exist therefore cannot be specified, right-click "Unknown device" as shown left and select "Properties". The "Unknown device", whose "Hardware Ids" is "USB\VID_06D3&PID_1800" on the "Details" tab of the properties screen, is the update target.

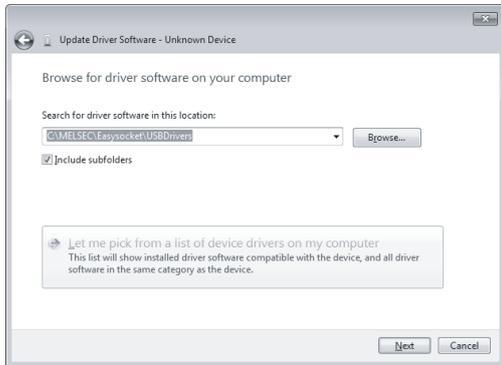


- 6) The left Windows confirmation dialog box appears. Select "Browse my computer for driver software".



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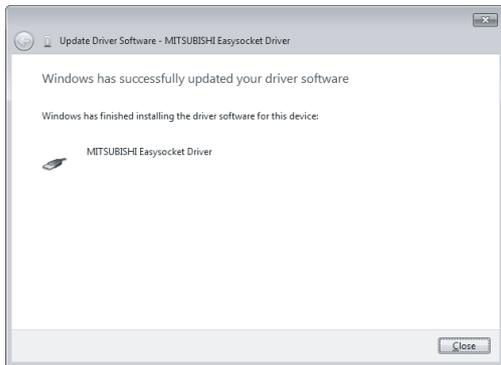


7) The screen shown on the left appears. Set installed location of MX Component, "Easysocket\USBDrivers. Then, click **Next>** .

The left screen is an example when C:\MELSEC\Easysocket\USBDrivers is set. If multiple MELSOFT products have been installed, refer to the installation location of the first installed product.



8) The left Windows confirmation dialog box appears. Click **Install** .



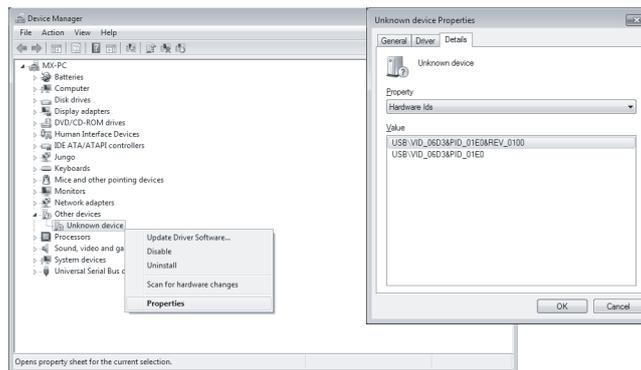
9) The screen shown on the left appears. Click **Close** . The update is complete.

(Completion)

(2) Procedure for updating the USB driver for GOT connection
 (a) Checking method

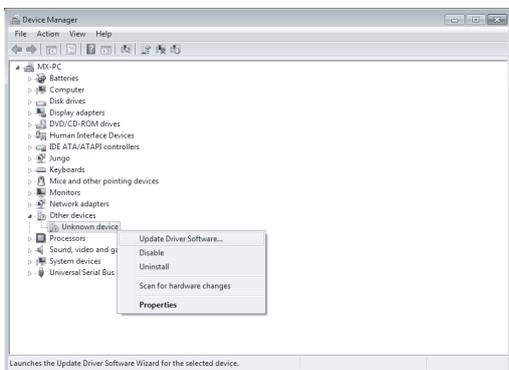
Reset the power on the GOT and start the Windows Device Manager while the personal computer is connected to the GOT with USB. If "MITSUBISHI GOT1000 USB Controller" is not displayed under "Universal Serial Bus controllers", but "Unknown device" is displayed under "Other devices", the device needs to be updated.

The "Unknown device", whose "Hardware Ids" is "USB\VID_06D3&PID_01E0" on the <<Details>> tab of the properties screen, is the update target.



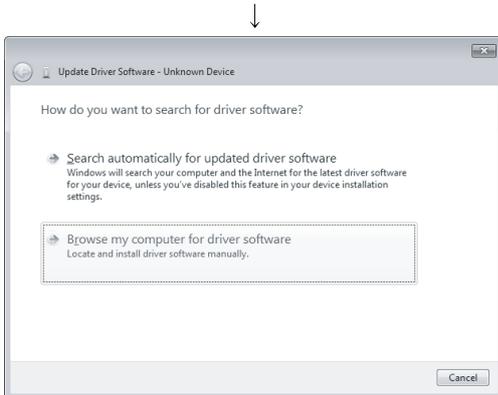
(b) Procedure for update

- 1) Connect the GOT to the personal computer with USB cable.
- 2) Start the Windows Device Manager, right-click "Unknown device" as shown left, and select "Update Driver Software..."

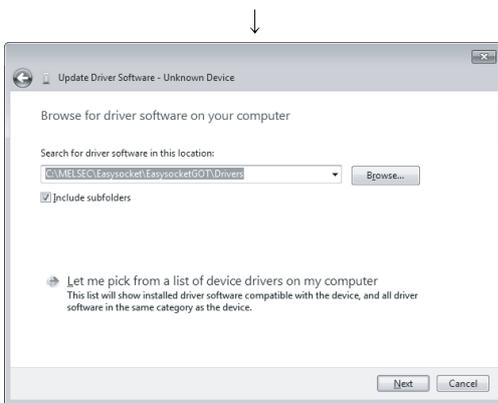


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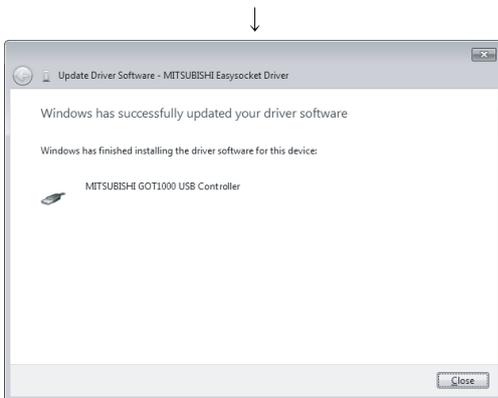


- 3) The screen shown on the left appears. Select "Browse my computer for driver software".



- 4) The screen shown on the left appears. Set the installed location "EZSocket\EZSocketGOT\Drivers" and click **Next**.

The left screen is an example when C:\MELSEC\EZSocket\EZSocketGOT\Drivers is set. If multiple MELSOFT products have been installed, refer to the installation location of the first installed product.



- 5) The screen shown on the left appears. Click **Close**. This completes the update of driver software.

(Completion)

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MX Component Version 3

Operating Manual (Startup)

MODEL	MELS3-ACTE-O-ST-E
MODEL CODE	13JU31
SH(NA)-080270-I(1105)MEE	



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