

## **Operating Manual**









# MELSOFT Integrated FA Software

SW3D5C-ACT-E

# • CONDITIONS OF USE FOR THE PRODUCT •

- 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
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#### REVISIONS

* Th	e manual	number i	s given	on the	bottom	left of	the back	cover.
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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

Generic Term/Abbreviation	Description
	Generic product name for SWnD5C-ACT-E and SWnD5C-ACT-EA (n: version)
MX Component	-EA means a volume-license product.
	Generic term for Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Starter Operating System,
	Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Home Premium Operating System,
	Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Professional Operating System,
Windows <sup>®</sup> 7	Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Ultimate Operating System, and
	Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Enterprise Operating System
	Note that the 32-bit version is designated as "32-bit Windows $^{ extsf{@}}$ 7", and the 64-bit version
	is designated as "64-bit Windows <sup>®</sup> 7".
	Generic term for Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Home Basic Operating System,
	Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Home Premium Operating System,
Windows Vista <sup>®</sup>	Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Business Operating System,
	Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Ultimate Operating System and
	Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Enterprise Operating System
Mindaus <sup>®</sup> VD	Generic term for Microsoft <sup>®</sup> Windows <sup>®</sup> XP Professional Operating System and
WINDOWS XP	Microsoft <sup>®</sup> Windows <sup>®</sup> XP Home Edition Operating System
	Abbreviation for MELSEC-Q series corresponding PC CPU module
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

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

#### PRODUCT MAKEUP

The MX Component consists of the f	following products.
------------------------------------	---------------------

Туре	Product Name	Quantity	
	MX Component Version 3(1-license product) (CD-ROM)		1
SW3D5C-ACT-E	End-user software license agreement License certificate		1
			1
	MX Component Version 3(Volume license product) (0	CD-ROM)	1
SW3D5C-ACT-EA	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 $^{\circ}$ .







# MEMO

1


## **2 SYSTEM CONFIGURATION**

#### 2.1 System Configuration



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

#### 2.2 Operating Environment

#### The following table summarizes the operating environment for MX Component.

Item		Description		
	IBM PC/AT compatible	133MHz or more Pentium <sup>®</sup> *1 IBM PC/AT compatible personal computer where the OS		
Computer	personal computer	operates.		
	PC CPU module	MELSEC-Q series compatible PC CPU module (CONTEC CO., LTD. make)		
Required m	emory	32MB or more *2		
Hard disk fr	ee 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 <sup>®</sup> .)		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 2000 Professional Operating System (English version),		
		Microsoft <sup>®</sup> Windows <sup>®</sup> Millennium Edition Operating System (English version),		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 95 Operating System (English version),		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 98 Operating System (English version),		
		Microsoft® Windows NT® Workstation Operating System Version 4.0 (English version) *		
	Microsoft <sup>®</sup> Windows <sup>®</sup> XP Professional Operating System (English version) *4,			
		Microsoft <sup>®</sup> Windows <sup>®</sup> XP Home Edition (English version) *4,		
	Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Home Basic Operating System (English version),			
System Sof	stem Software Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Home Premium Operating System (English version)			
	Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Business Operating System (English version),			
		Microsoft® Windows Vista® Ultimate Operating System (English version),		
		Microsoft <sup>®</sup> Windows Vista <sup>®</sup> Enterprise Operating System (English version),		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Starter Operating System (English version),		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Home Premium Operating System (English version),		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Professional Operating System (English version),		
		Microsoft® Windows® 7 Ultimate Operating System (English version) or		
		Microsoft <sup>®</sup> Windows <sup>®</sup> 7 Enterprise Operating System (English version)		

(To the next page)

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

Item	Description			
	Programming language	Development software		
	Visual Basic®	Microsoft <sup>®</sup> Visual Basic <sup>®</sup> 6.0 (English version), Microsoft <sup>®</sup> Visual Basic <sup>®</sup> .NET 2003 (English version), Microsoft <sup>®</sup> Visual Studio <sup>®</sup> 2005 Visual Basic <sup>®</sup> (English version) *8, Microsoft <sup>®</sup> Visual Studio <sup>®</sup> 2008 Visual Basic <sup>®</sup> (English version) *9, Microsoft <sup>®</sup> Visual Studio <sup>®</sup> 2010 Visual Basic <sup>®</sup> (English version) *10		
Programming language *5	Visual C++®	Microsoft <sup>®</sup> Visual C++ <sup>®</sup> 6.0 (English version), Microsoft <sup>®</sup> Visual C++ <sup>®</sup> .NET 2003 (English version), Microsoft <sup>®</sup> Visual Studio <sup>®</sup> 2005 Visual C++ <sup>®</sup> (English version) *8, Microsoft <sup>®</sup> Visual Studio <sup>®</sup> 2008 Visual C++ <sup>®</sup> (English version) *9, Microsoft <sup>®</sup> Visual Studio <sup>®</sup> 2010 Visual C++ <sup>®</sup> (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<sup>®</sup> Me or Windows<sup>®</sup> XP Home Edition is used, the ASP function is unusable.
- \*8: Windows<sup>®</sup> 2000 Service Pack 4 or later, or Windows<sup>®</sup> XP Service Pack 2 or later is required for Visual Studio<sup>®</sup> 2005. When using Visual Studio<sup>®</sup> 2005 on Windows Vista<sup>®</sup>, Visual Studio<sup>®</sup> 2005 Service Pack 1 or Visual Studio<sup>®</sup> 2005 Service Pack 1 Update for Windows Vista<sup>®</sup> is required.
- \*9: Windows<sup>®</sup> XP Service Pack 2, Windows Vista<sup>®</sup> or later is required for Visual Studio<sup>®</sup> 2008. When using Visual Studio<sup>®</sup> 2008 on Windows<sup>®</sup> 7, Visual Studio<sup>®</sup> 2008 Service Pack 1 is required.
- \*10: For Visual Studio<sup>®</sup> 2010, Windows<sup>®</sup> XP Service Pack 3, Windows Vista<sup>®</sup> Service Pack 2 or higher, or Windows<sup>®</sup> 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 $^{\circ}$  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<sup>®</sup> XP Service Pack 3, Windows Vista<sup>®</sup> Service Pack 1 or higher, or Windows<sup>®</sup> 7 or later is required.

64-bit Excel 2010 and 64-bit Access 2010 are not supported.

Р	OINT	
(1)	Instruction	for use of the online manual
	Use with a	ddition of personal computer memory ensures comfortable operation.
(2)	Instruction	for use of the PDF data
	Use with a	ddition of personal computer memory ensures comfortable operation.
(3)	When Win	dows <sup>®</sup> XP, Windows Vista <sup>®</sup> or Windows <sup>®</sup> 7 is used, the following
	new function	ons cannot be used.
	If any of the	e following new functions is used, this product may not operate
	normally.	
	Start of	of application in Windows <sup>®</sup> compatible mode
	Fast u	iser switching
	Remo	te desktop
	Big for	nts (Details setting of Screen properties)
	64-bit Wine	dows <sup>®</sup> XP and 64-bit Windows Vista <sup>®</sup> are not supported.
(4)	When Win	dows <sup>®</sup> 7 is used, the following new functions cannot be used.
	Windo	ows XP Mode
	Windo	ows Touch
(5)	When crea	ating a user program, select "x86" (32 bits) "Target CPU".

## **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<sup>®</sup> 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<sup>®</sup> Workstation 4.0, Windows<sup>®</sup> 2000 Professional, Windows® XP, Windows Vista® or Windows® 7, log on as a user with administrator privileges.
- (1) Installing the product

🕅 Exploring - Sw3d5c-act-e (D:)					_ 🗆 🗵
Eile Edit View Go Favorite	s <u>I</u> ools <u>H</u> elp				無
Back Forward Up	Cut Copy Paste	Undo Delete Prop	erties Views		
Address 🔊 D:\					•
Folders ×		Name	Size Type	Modified	<b>_</b>
3 Desktop	(o)	_isdel.exe	8KB Application	5/1/02 12:00 AM	
- B My Computer	<u></u>	_sys1.cab	200KB Cabinet	5/1/02 12:00 AM	
🐵 🚽 314 Floppy (A:)	Sw3d5c-act-e	_user1.cab	65KB Cabinet	5/1/02 12:00 AM	
1 - C	(D.)	🛤 Data.tag	1KB TAG File	5/1/02 12:00 AM	
🗄 🎡 Sw3d5c-act-e (D:)	(D:)	🖼 data1.cab	11,195KB Cabinet	5/1/02 12:00 AM	
- @ Printers		🖌 🖌 🖌 🖌 🖌	5KB DAT File	5/1/02 12:00 AM	
- Control Panel	Fotup ovo	Iayout.bin	1KB BIN File	5/1/02 12:00 AM	
2 Dial-Up Networking	Application	🛋 os.dət	1KB DAT File	5/1/02 12:00 AM	
Scheduled Lasks		街 Setup.bmp	394KB Bitmap Image	5/1/02 12:00 AM	
Web Folders	Modified:	Setup.exe	59KB Application	5/1/02 12:00 AM	
My Documents	5/1/02 12:00 AM	E Setup.ini	1KB Configuration Settings	5/1/02 12:00 AM	
Internet Explorer	Size: 59KB	💮 setup.ins	85KB Internet Communicati	5/1/02 12:00 AM	
Benche Bin		🖻 setup.lid	1KB LID File	3/14/02 5:01 PM	_
G <b>y</b> 1100/000 0111					<u> </u>
	58.5KB			📙 My Computer	11.

1) Start Windows<sup>®</sup> 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<sup>®</sup> >



(To the next page)

	↓
stall	This package has already been installed. There is a possibility for improper installation, if you execute without uninstalling it.
Aele	This package is not in proper operating environment. Please install this package after executing \Update\DCOM95.Exe from CD-ROM.
Vere	This package is not in proper operating environment. Please install this package after executing \Update\Axdist.Exe from CD-RDM.
vere	
×	I his package is not in proper operating environment. Please install this package after executing \EnvMEL\Setup.Exe from CD-ROM.
tall	$\downarrow$
<u>î</u>	here is a possibility for improper installation you execute without closing all the running applications(Including resident programs).Ok?
	↓
lcome	Welcome to the SWnD5-ACT Setup program. This program will install SWnD5-ACT on your computer
	It is strongly recommended that you exit all Windows programs before running this Setup program.
	Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
18 m -	
	WARNING: This program is protected by copyright law and international treaties.
	WARNING: This program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.

(To the next page)

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.

- 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> .

(From the previous page)		
User Information       X         Type your name below. You must also type the name of the company you work for.         Name:       Mitsubishi         Company:       MITSUBISHI ELECTRIC Co.	6)	Enter the name and company name, and then click Next> .
< gack      ext >	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.
Input ProductID 🗴	8)	Enter the product ID and click <u>Next&gt;</u> . The product ID is printed on the License certificate.
< Back	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.
< Back	9)	Specify the installation destination folder. If the displayed installation destination folder is correctick Next> . If you change the destination folder, click Browse and specify a new drive and folder.

(To the next page)



(To the next page)

(From the previous page)	
Information Completed the installation of this product.	<ul> <li>10) This completes installation.</li> <li>Click OK .</li> <li>* When the following screen appears, regardless of</li> </ul>
	the installation result, select "This program installed correctly".
	Program Compatibility Assistant          This program might not have installed correctly         If this program didn't install correctly, try reinstalling using settings that         If this program didn't install correctly, try reinstalling using settings that         If this program didn't install correctly, try reinstalling using settings that         If this program didn't install correctly, try reinstalling using settings that         If this program didn't install using recommended settings         If this program installed correctly         If this program inst
	If it was selected by mistake, reinstall MX Component in accordance with the POINT on the next page.
Restarting Windows Setup has finished copying files to your computer. Before you can use the program, you must restart Windows or your computer. Choose one of the following options and click OK to finish setup.	11) When the screen shown on the left appears, restart Windows <sup>®</sup> .
Yes, I want to restart my computer now     No, I will restart my computer later.      OK	
↓ (Completion)	
REMARK	

When Windows<sup>®</sup> XP Professional, Windows Vista<sup>®</sup> or Windows<sup>®</sup> 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.

Security	Details	Previous Versions	setun Properties
General	Compatibility	Digital Signatures	
you have problems in earlier version of natches that earlier Compatibility mode Run this prog Windows XP (Se	with this program and it s Windows, select the com- version. ram in compatibility mode envice Pack 2)	vorked correctly on patibility mode that	If you have problems with this program and it worked correctly on an earlier version of Windows, select the compatibility mode that matches that earlier version. Compatibility mode I Run this program in compatibility mode for:
Settings	olors		Windows XP (Service Pack 2)
Bun in 640 x	490 ecrean resolution		Settings
Disable viewal	thamae		Run in 256 colors
Disable visual			Run in 640 x 480 screen resolution
Disable deski	u sestes as kisk DRI set	10.00	Disable visual themes
	y scaling on high ornise.	ngs	Disable deskton composition
Privilege Level			Disable display scaling on high DPT settings
📰 Run this prog	ram as an administrator		
			Privilege Level
Show setting	is for all users		Run this program as an administrator
		2	
	ОК	Cancel Apply	
	20		OK Cancel Apply

#### (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 <sup>®</sup> Windows <sup>®</sup> 95 Operating System	dcom95.exe
Microsoft <sup>®</sup> Windows <sup>®</sup> 98 Operating System	AXDIST.exe
Microsoft <sup>®</sup> Windows NT <sup>®</sup> 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.

< Windows Vista® >	< Windows® 7 >		
ser Account Control	🚱 User Account Control		
An unidentified program wants access to your computer	Do you want to allow the following program from an unknown publisher to make changes to this computer?		
Don't run the program unless you know where it's from or you've used it before.  SETUP.EXE Unidentified Publisher Capcol	Program name: SETUP.EXE Publisher: <b>Unknown</b> File origin: CD/DVD drive		
Allow Idon't know where this program is from or what it's for.	Show getails     Yes No     Change when these notifications appear		
Evide this program. I know where it's from or I ve used it before.     Details      Jeef Account Control helps step unauthorized changes to your computer.			

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<sup>®</sup> XP, Windows Vista<sup>®</sup> or Windows<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> or Windows<sup>®</sup> 7.

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

#### REMARK

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

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

< Windows<sup>®</sup> 7 >

Jser Account Cor	ntrol 🔀	🚱 User Account Control	×
🕡 Window	ws needs your permission to continue	Do you want to allow the changes to this compute	ne following program to make er?
If you started th	his action, continue. Uninstall or change an application Microsoft Windows	Program name: Ur Verified publisher: M	ninstall or change an application icrosoft Windows
Details	<u>C</u> ontinue Cancel	Show <u>d</u> etails	<u>⊥</u> es <u>N</u> o
Jser Account Co	ontrol helps stop unauthorized changes to your computer.		Change when these notifications appear

(To the next page)

Confirm File Deletion	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.
Remove Shared File?       X         The system indicates that the following shared file is no longer used by any programs. If any programs are still using this file and it is removed, those programs may not function. Are you sure you want to remove the shared file?         Leaving this file will not harm your system. If you are not sure what to do, it is suggested that you choose to not remove this shared component.         File name:       \$S32X26.0CX         Located in:       C:\WINDOWS\SYSTEM32\         Yes       Yes To All       No	4)	If the screen shown on the left appears, click <u>No To All</u> . The software package of only MX Component is removed. If you click <u>Yes</u> or <u>Yes To All</u> , the shared file of the Windows <sup>®</sup> compatible MELSOFT software will be removed and the other software packages may not operate properly.
Renove Programs From Your Computer         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software MX Component's components is removed         Image: A structure of the software of the software MX Component's components is removed         Image: A structure of the software of the s	5)	When the message of finished removal appears, click $\boxed{OK}$ . 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<sup>®</sup> 2000 Professional, Windows<sup>®</sup> XP, Windows Vista<sup>®</sup> or Windows<sup>®</sup> 7 is used, the USB driver must be installed to make CPU USB communication. The following is the USB driver installation procedure.

#### POINT

If the USB driver cannot be installed, check the following setting.

(1) When Windows<sup>®</sup> 2000 Professional is used

If you have selected "Block-Prevent installation of unsigned files" after [Control Panel] - [System] - [Hardware] - [Driver Signing], the USB driver may not be installed.

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.

(2) When Windows<sup>®</sup> XP is used
 If you have selected "Block-Never install unsigned driver software" after
 [Control Panel] - [System] - [Hardware] - [Driver Signing], the USB driver may not be installed.
 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.

#### 3.4.1 When Windows® 2000 Professional is used

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



(To the next page)

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

Ý
Found New Hardware Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
(A) USB Device
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)     Display a list of the known drivers for this device so that I can choose a specific
diver
< <u>B</u> ack <u>N</u> ext> Cancel
$\downarrow$
Found New Hardware Wizard
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
USB Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD-bridge clicking Next
Optional search locations:
Floppy gisk drives     CD-ROM drives
Specify a location
Microsoft Windows Update
< <u>B</u> ack Next> Cancel
Found New Hardware Wizard
Insert the manufacturer's installation disk into the drive
selected, and then click OK.
Lancel
Copy manufacturer's files from:
C:\Melsec\EasySocket\USBdrivers
↓
Found New Hardware Wizard
Hardware Wizard
MITSUBISHI Easysocket Driver
Windows has finished installing the software for this device.
To close this wizard, click Finish.
< <u>B</u> ack [Finish] Cancel

(Completion)

 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 <u>Next></u>. 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.
- The screen on the left appears to indicate completion of installation.
   Click Finish to terminate installation.

#### 3.4.2 When Windows® XP is used

The following indicates the procedure for installing the USB driver when using Windows<sup>®</sup> XP.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard	
	This wizard helps you install software for:	
	USB Device	
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>	
	Click Next to continue.	
	<u> ≺ B</u> ack <u>N</u> ext > Cancel	
	$\downarrow$	
Found New	Hardware Wizard	
Please cl	noose your search and installation options.	
<u>ی او</u>	arch for the best driver in these locations.	
Use pat	e the check boxes below to limit or expand the default search, which includes local hs and removable media. The best driver found will be installed.	
1	Search removable media (floppy, CD-ROM)	
I	☑ Include this location in the search:	
	C:\MELSEC\Easysocket\USBDrivers Browse	
0 <u>D</u> o	n't search. I will choose the driver to install.	
Cho the	use this option to select the device driver from a list. Windows does not guarantee that driver you choose will be the best match for your hardware.	
	< <u>B</u> ack <u>N</u> ext> Cancel	
	$\downarrow$	
Hardwar	e Installation	
	The software you are installing for this hardware:	
•	MITSUBISHI Easysocket Driver	
	has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)	
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.		
	Continue Anyway	

(To the next page)

 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<sup>®</sup> XP. (No problem will occur after installation of the USB driver.)

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



## (Completion)

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

The following shows installation procedure of USB driver when using Windows Vista $^{\ensuremath{^{\odot}}}$  .



- 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.

🕞 Windows needs your permission to continue				
If you starte	d this action, continue.			
Device driver software installation Microsoft Windows				
☑ Details	Continue			

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

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.

(To the next page)



(Completion)

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

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

 The screen shown on the left appears when the installation ends. Click Close to exit.

#### 3.4.4 When Windows® 7 is used



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The following shows installation procedure of USB driver when using Windows<sup>®</sup> 7.

词 Libraries

Documents Music

Pictures

Videos

👼 Compute 🖗 Net

Local Security Policy

Performance Monitor

Print Management

Computer Management Date modified: 2009/07/14 13:41 Shortcut Size: 1.26 KB

 Pinit Management

 Struces

 System Configuration

 Rask Scheduler

 Windows Firewall with Advanced Sec

 Windows Nemery Diagnostic

 Windows PowerShell Modules



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Lomputer Management	
Eile Action View Help	
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Computer Management (Local  System Tools  D Const. Scheduler  Local Users and Groups D Const. Scheduler  Local Users and Groups D Const. Management Const. Anagement D Const. Management	WX-PC Batteries Disk drives Di
🍚 🚊 Update Driver Software - U	Inknown Device
How do you want to see	arch for driver software?
Search automatica Windows will search you for your device, unless y settings.	Ily for updated driver software ur computer and the Internet for the latest driver software ou've disabled this feature in your device installation
Browse my compu Locate and install driver	iter for driver software software manually.
L	



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.

Unknown device Properties
General Driver Details
Unknown device
Property
Hardware Ids 🔹
Value
USB/VID_06D3&PID_1800 USB/VID_06D3&PID_1800
OK Cancel

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



(To the next page)





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

#### 3.5 Updating the USB Driver

In Windows Vista<sup>®</sup> or Windows<sup>®</sup> 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<sup>®</sup> 7 : "3.0.0.0" or earlier



#### (b) Procedure for update

- w nep |⊠⊡|&|⊵&&5 select "Uninstall". /SB 1.1 OHO /SB 2.0 EHC . Disable Uninstall × Confirm Device Uninstall MITSUBISHI Easysocket Driver 9 Warning: You are about to uninstall this device from your system. Delete the driver software for this device. ОK Cancel -- Found New Hardware Device for your device.
- 1) Connect the programmable controller to the personal computer with USB cable.
  - Start the Windows Device Manager, right-click
     "MITSUBISHI Easysocket Driver" as shown left, and select "Uninstall".

 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<sup>®</sup>, the following screen is displayed. Select "Ask me again later".



(To the next page)



Device Manager		
e Action View Help		
+ • • • • • • •	2 2 夜 6	
A MX-PC		
Batteries		
Image: Computer		
Disk drives		
Display adapters		
DVD/CD-ROM drives		
》 場 Human Interface Devic	es	
D - IDE ATA/ATAPI control	lers	
⊳ 💇 Jungo		
b. B. Mice and other nointin	a devices	
Monitors	gounces	
Network adapters		
A In Other devices		
Unknown device		
Processors     All Processors     All Sound, video and gr     All System devices     All Processors     All Processors     All Processors	Update Driver Software	
	Disable	
	Uninstall	
	Scan for hardware changes	
	Properties	

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.

Unknown device Properties			
General Driver Details			
Unknown device			
Property			
Hardware Ids 🔹			
Value			
USB\VID_06D3&PID_1800&REV_0100			
OK Cancel			



↓ (To the next page) 6) The left Windows confirmation dialog box appears. Select "Browse my computer for driver software".







 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.

- (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.

📩 Device Manager	Unknown device Properties
File Action View Help	Council Deux Details
◆◆ □ □ □ □ ◎ ◎ ◎ ◎ ◎ ◎ ◎	General Driver Doctors
BACC     Compare     Compare     Compare     Debit des     Debits     Compare     Debits     Compare     Debits     Compare     Debits     Compare     Compar	USB V/D_KROARPO_GTED
Opens property sheet for the current selection.	

#### (b) Procedure for update

1) Connect the GOT to the personal computer with USB cable.



 Start the Windows Device Manager, right-click
 "Unknown device" as shown left, and select "Update Driver Software...".

(To the next page)



(Completion)

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

 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.

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SPREAD

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# MX Component Version 3

**Operating Manual (Startup)** 

MODEL MELS3-ACTE-O-ST-E

13JU31

MODEL CODE

SH(NA)-080270-I(1105)MEE

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