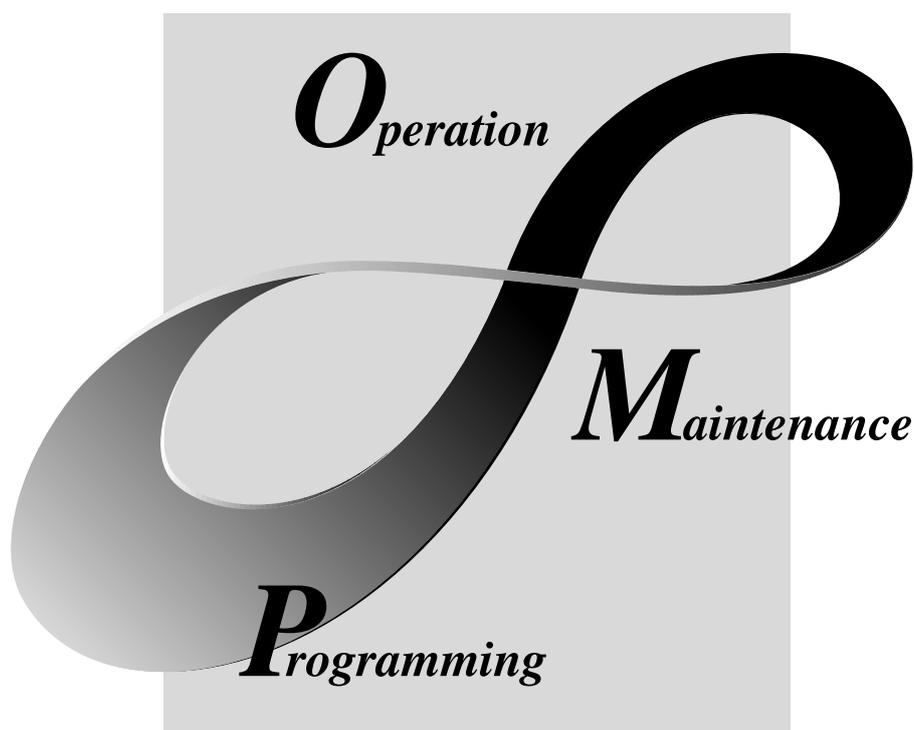


MX Component Version 2

Operating Manual

(Startup)

mitsubishi



MELSOFT
Integrated FA Software

SW2D5C-ACT-E

REVISIONS

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

Print Date	* Manual Number	Revision
Apr., 2001	SH (NA) -080153-A	First edition

Japanese Manual Version SH-080150-A

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— SOFTWARE USER REGISTRATION —

After agreeing to the terms of the Software License Agreement included in the package, make the necessary entries in the Software User Registration Card and mail it to us to receive the following services.

We register users according to the received Software Registration Card and send the user ID and Software registration confirmation. (User registration is free of charge.)

1. Software Registration

Fax or Mail as the Software User Registration Card included in the package, and you will receive direct mail for the latest information such as the new product release, version upgrade information, event information, etc.

2. Notes on Contact

Please ask questions concretely and clearly using terms listed in the manual.

When requesting us to solve a problem, provide us with detailed information for reproducing the problem.

In addition, contact the respective manufacturers when asking questions about the operating system (OS) or the other vender's software products

User registration is valid only in Japan.

INTRODUCTION

Thank you for choosing the Mitsubishi MELSOFT series comprehensive Factory Automation 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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About 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 2 Operating Manual Describes the setting and operation methods of each utility on MX Component. (Sold separately)	SH-080154 (13JU11)
MX Component Version 2 Programming Manual Describes the programming procedures, details and error codes for ACT control. (Sold separately)	SH-080155 (13JF65)

Note: The above manuals are contained on the CD-ROM with the corresponding software packages as sets.
Any of the manuals is available separately in printed form. Please indicate its manual number (model code) in the above list.

NOTICES

- We don't 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.

About the 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 product types SWnD5C-ATC-E and SWnD5C-ACT-EA. (n denotes version 0 or 2) -EA denotes a multiple license product.
PC CPU module	Abbreviation of the MELSEC-Q series compatible PC CPU module (CONTEC CO., LTD. make).
Personal computer	Generic term of PC CPU module and IBM-PC/AT compatible Personal computer.
1-license product	Abbreviation of MX Component 1-license product.
Multiple license product	Abbreviation of MX Component multiple license product.

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Pentium is a registered trademark of Intel Corporation in the United States and other countries.
Other company and product names herein are either trademarks of registered trademarks of their respective owners.
SPREAD
Copyright(C) 1998 Far Point Technologies, Inc.

Product Makeup

The MX Component consists of the following products.

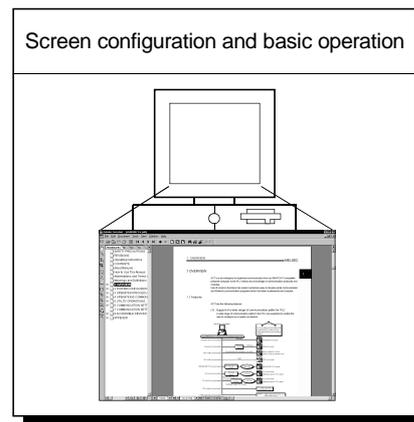
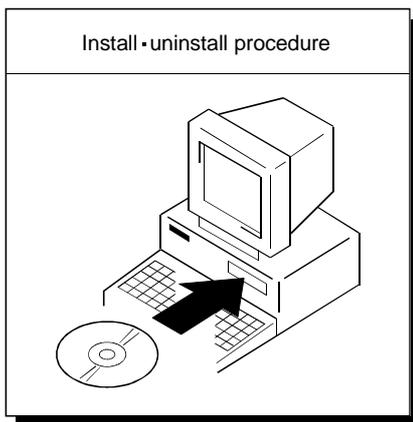
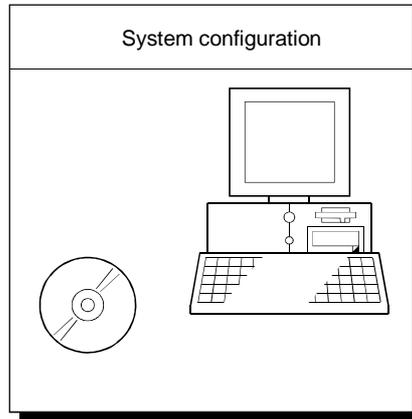
Type	Product Name	Quantity
SW2D5C-ACT-E	MX Component Version 2(1-license product) (CD-ROM)	1
	End-user software license agreement	1
	Software registration card	1
	License agreement	1
SW2D5C-ACT-EA	MX Component Version 2(Multiple license product) (CD-ROM)	1
	End-user software license agreement	1
	Software registration card	n *1
	License agreement	1

*1 : The same number of software registration cards as that of licenses are packed with the product.

1 GENERAL DESCRIPTION

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

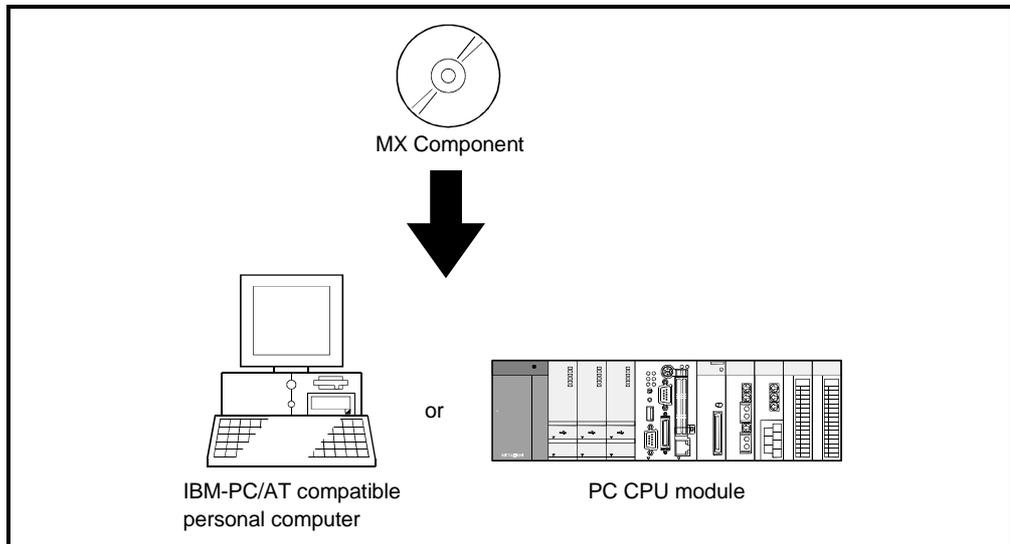
1



2 SYSTEM CONFIGURATION

2.1 System Configuration

The following figure shows the system configuration.



POINT

Simultaneous use of this product on two or more personal computers is illegal. Therefore, you cannot use this product on any other personal computer than the one specified in the software registration card.

2.2 Operating Environment

The following table summarizes the operating environment for MX Component.

Item		Description										
Personal computer	IBM PC/AT compatible personal computer	133MHz or more Pentium® *1 IBM PC/AT compatible personal computer where the OS operates. *2										
	PC CPU module	MELSEC-Q series compatible PC CPU module (CONTEC CO., LTD. make)										
O S		Any of Microsoft® Windows® 95 Operating System (English version), Microsoft® Windows® 98 Operating System (English version), Microsoft® Windows® Millennium Edition Operating System (English version), Microsoft® Windows NT® Workstation Operating System Version 4.0 (English version) and Microsoft® Windows® 2000 Professional Operating System (English version)										
Required memory		32MB or more										
Hard disk free space		100MB or more										
Disk drive		CD-ROM disk drive										
Display		800 x 600 dot or more resolution										
Programming language *4	<table border="1"> <thead> <tr> <th>Programming language</th> <th>Development software</th> </tr> </thead> <tbody> <tr> <td>Visual Basic®</td> <td>Microsoft® Visual Basic® 6.0 (English version)</td> </tr> <tr> <td>Visual C++®</td> <td>Microsoft® Visual C++® 6.0 (English version)</td> </tr> <tr> <td>VBScript *5</td> <td>Text editor and commercially available HTML tool</td> </tr> <tr> <td>VBA</td> <td>Microsoft® Excel 2000 (English version) or Microsoft® Access 2000 (English version)</td> </tr> </tbody> </table>		Programming language	Development software	Visual Basic®	Microsoft® Visual Basic® 6.0 (English version)	Visual C++®	Microsoft® Visual C++® 6.0 (English version)	VBScript *5	Text editor and commercially available HTML tool	VBA	Microsoft® Excel 2000 (English version) or Microsoft® Access 2000 (English version)
	Programming language	Development software										
	Visual Basic®	Microsoft® Visual Basic® 6.0 (English version)										
	Visual C++®	Microsoft® Visual C++® 6.0 (English version)										
	VBScript *5	Text editor and commercially available HTML tool										
VBA	Microsoft® Excel 2000 (English version) or Microsoft® Access 2000 (English version)											

*1: 150MHz or more Pentium® is recommended for use of Windows® Me.

*2: A multiprocessor IBM-PC/AT compatible personal computer cannot be used because of driver incompatibility.

*3: Service Pack 3 or more is needed for use of Windows NT® Workstation 4.0.

*4: User programs created in the English environment may be used in the English environment only. They cannot be used in the Japanese environment.

*5: To operate VBScript, use Internet Explorer (version 5.00.2919.6307 or later).

POINTS
(1) Instruction for use of the online manual Addition of memory ensures more comfortable use.
(2) Instruction for use of the PDF data Use with addition of personal computer memory ensures comfortable operation.
(3) Any user program created on a personal computer in English environment may be used only on the personal computer in English environment.

3 INSTALLATION AND UNINSTALLATION

This chapter provides how to install and uninstall MX Component.

3.1 Installation

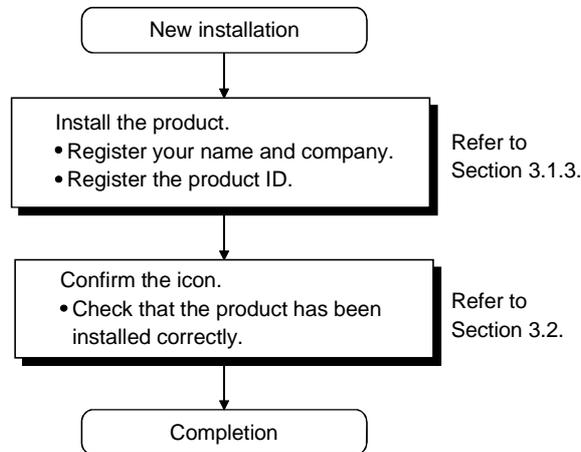
POINT

Before installing MX Component, always read "Section 3.1.2 Pre-installation instructions".

3.1.1 Installing Procedure

3

Install MX Component in the following procedure.

**REMARK**

When the personal computer does not have a CD-ROM drive, refer to "Appendix 1 How to Install MX Component after Copying It onto FDs" for the installation procedure.

3.1.2 Pre-installation instructions

On the personal computer on which ActiveX is not operable, an "Component Move Data Error" may occur during MX Component installation, disabling normal completion of installation.

In such a case, close all applications and perform the following operation.

(1) 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 IBM-PC/AT compatible to make ActiveX operable.

The exe file to be executed on the corresponding operating system is indicated below.

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 "Dcom" folder on CD-ROM. If you want to use the file of the latest version, download it from the home page of Microsoft Corporation or use the file provided for the corresponding OS, Visual Basic® or Visual C++® .)

(2) If an "Component Move Data Error" occurs after "(1) Installation of Dcom95.exe or Axdist.exe"

An error may occur if the operation in (1) is performed since the system files*1 have been rewritten to illegal system files by another application.

If the error occurs after the operation in (1), take the following action for the corresponding operating system.

(a) Windows® 95 and Windows NT® Workstation 4.0

On Explorer, browse the system directory or system 32 directory and delete the system files*1.

Deletion may not be made since the files are used by the system.

If deletion cannot be made, wait for some time and restart deletion or use the startup disk to make deletion with the del command.

(b) Windows® 98

Using the system file checker (SFC.exe), force the system directory of Windows to be overwritten by the system files*1 included on CD-ROM of Windows® 98.

*1: The following system files may have been rewritten illegally.

MSVCRT.dll MSVCRT40.dll MFC40.dll MFC42.dll
OLEPRO32.dll OLEAUT32.dll ATL.dll

(c) If the problem cannot be solved by the method described in (a) or (b)

If you cannot solve the problem in the method described in above (a) or (b), format the hard disk and reinstall the OS.

After reinstalling the OS, first install MX Component. (Before installing other applications, install MX Component to check whether it can be installed properly.)

POINT
Deletion of the system files of Windows® may affect the other applications. Delete the system files carefully.

3.1.3 Installation

The following is how to install MX Component.

POINTS

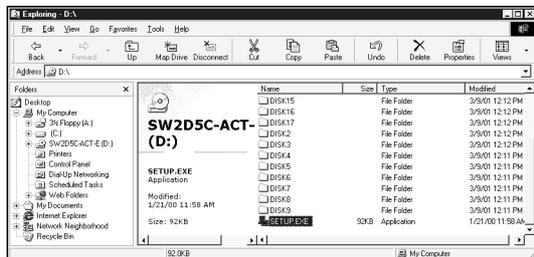
- (1) On the IBM-PC/AT compatible on which ActiveX is not operable, an error may occur during file transfer, disabling installation.
For the corrective action for occurrence of such an error, refer to "Section 3.1.2 Pre-installation instructions".
- (2) Terminate all the other applications running under Windows® before installation.
- (3) When the OS is Windows® 2000 Professional or Windows NT® Workstation 4.0, long on as the user who has the Administrator attributes.

1) Start Windows after powering on the personal computer.

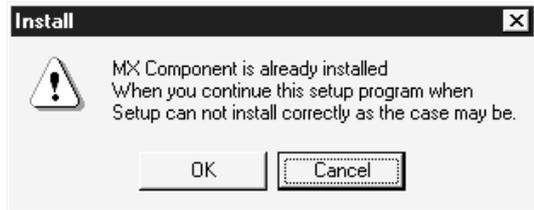
2) Start Explorer and click the drive in which the disk has been inserted.

Double-click "setup.exe".

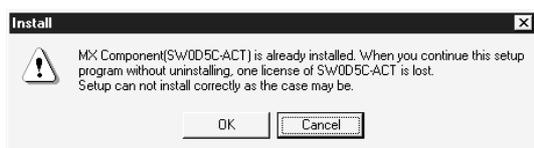
On Explorer, choose [Start]-[Programs]-[Windows Explorer].



3) Double-click "setup.exe".



If the message given on the left appears, click the **Cancel** button, uninstall MX Component, and then reinstall it.



If the message given on the left appears, SW0D5C-ACT-E has been installed.

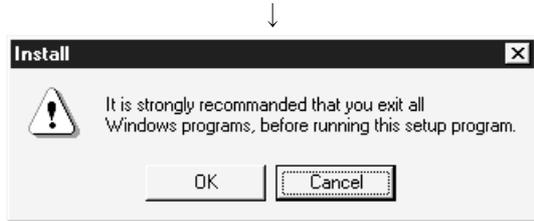
Click the **Cancel** button, uninstall SW0D5C-ACT-E, and then install MX Component.

REMARKS

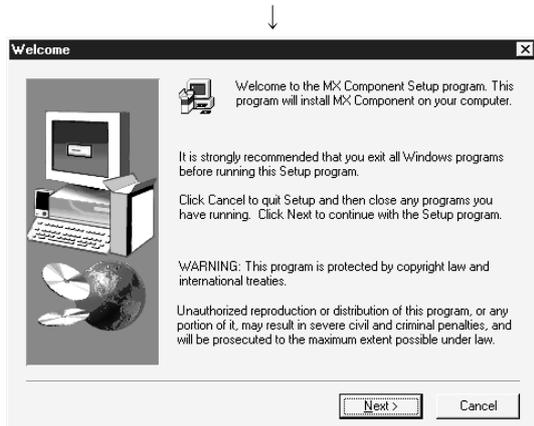
If you install MX Component without uninstalling SW0D5C-ACT-E, the licenses of SW0D5C-ACT-E will disappear.

↓
(To the next page.)

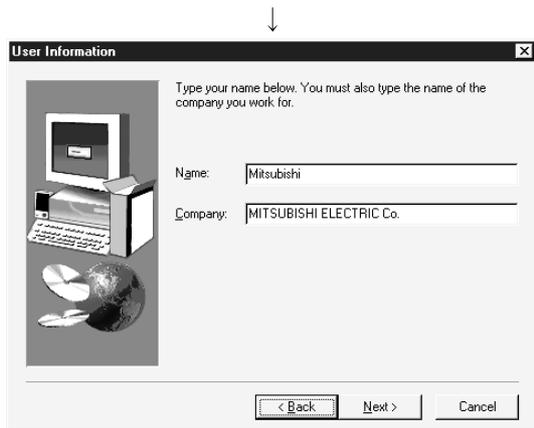
(From the previous page)



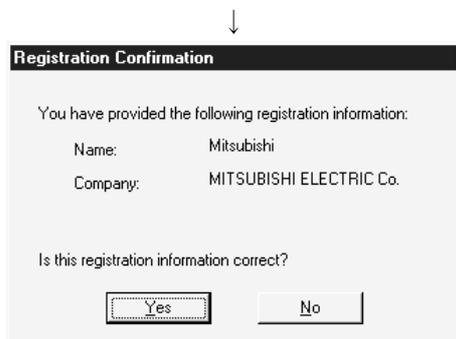
3) As the left screen appears, make sure that all applications have been closed and click the **OK** button. If the applications are running, close all running applications.



4) As the left screen appears, read the information and click the **Next>** button.



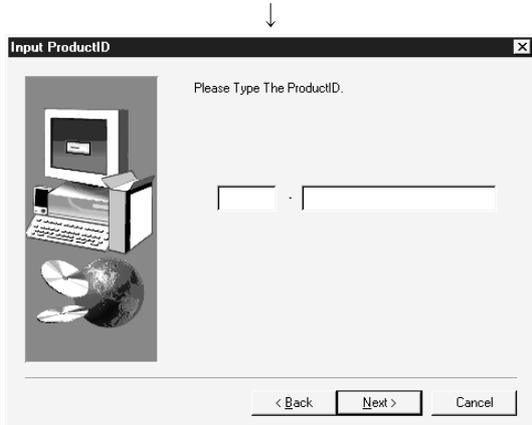
5) Enter the name and company name, and then click the **Next>** button.



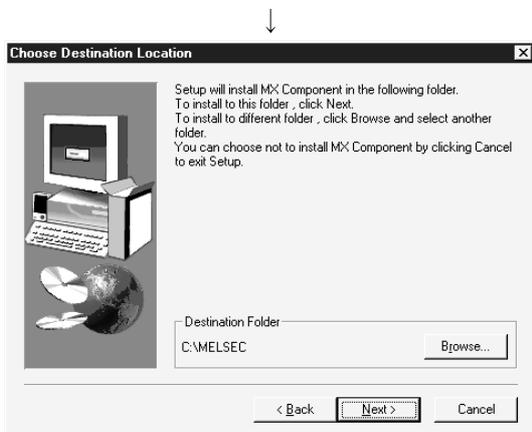
6) Confirm the registered name and company name. If they are correct, click the **Yes** button. To make a change, click the **No** button to return to the previous screen.

(To the next page)

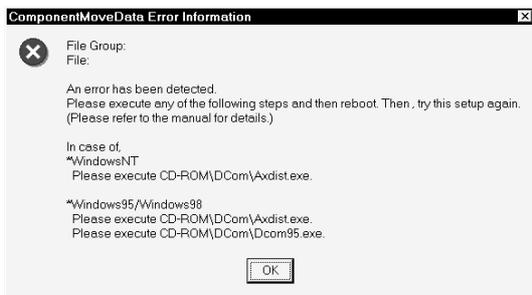
(From the previous page)



- 7) Enter the product ID and click the **Next>** button.
The product ID is printed on the Software User Registration card



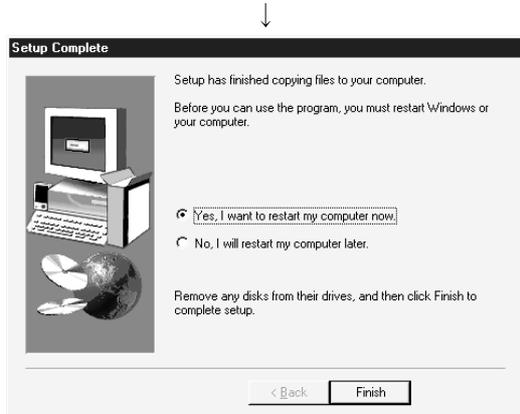
- 8) Specify the installation Destination Folder.
If the installation Destination Folder displayed is correct, click **Next>**.
If you change the destination folder, click **Browse** and specify a new drive and folder.



- 9) If the "ComponentMoveData Error Information" screen has appeared during installation as shown on the left, perform operation in accordance with the instructions in Section 3.1.2 "Pre-installation instructions ". Restart installation when the operation in Section 3.1.2 "Pre-installation instructions " is finished.

(To the next page)

(From the previous page)



10) The screen on the left appears to indicate completion of installation.

To restart, make sure that "Yes, I want to restart my computer now." is checked and click the **Finish** button.

To restart later, check "No, I will restart my computer later." and click the **Finish** button.

(Completion)

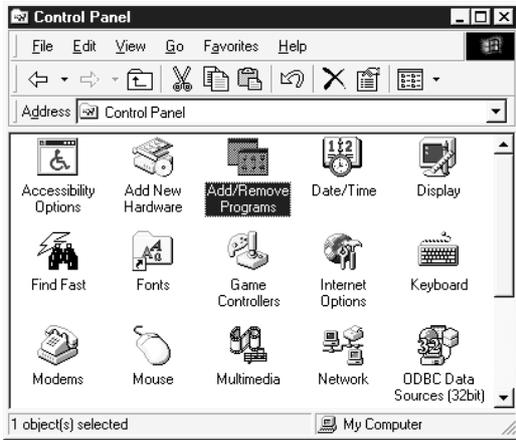
3.2 Registered Icons

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

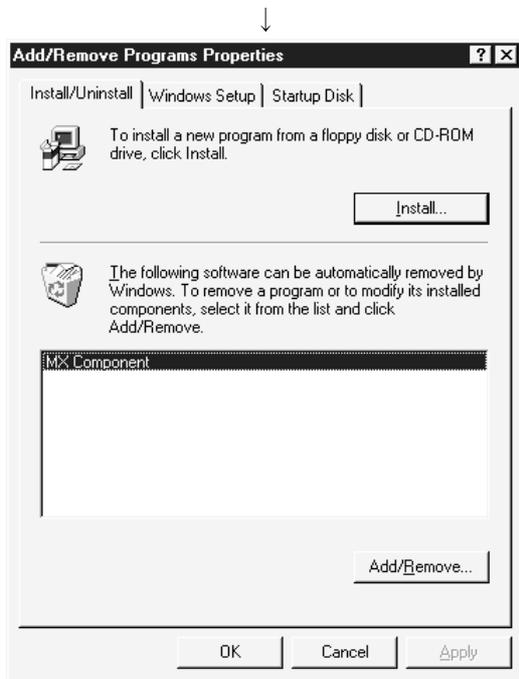
Icon	Name	Description
	PLC monitor utility	Starts the PLC monitor utility.
	Communication setting utility	Starts the communication setting utility.

3.3 Uninstallation

The following is how to uninstall MX Component.



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



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

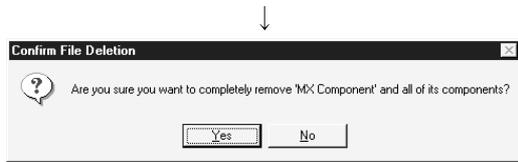
REMARKS

When Windows® 2000 Professional is used, select "Change or remove programs".

Choose MX Component and click the **Change/Remove** button.

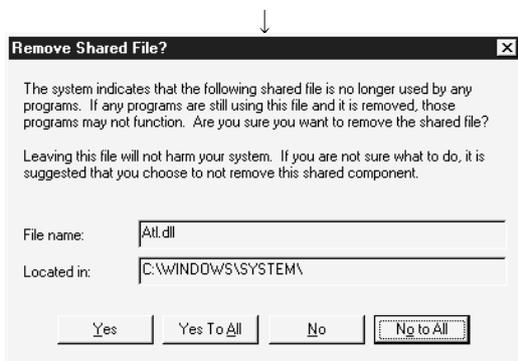
(To the next page)

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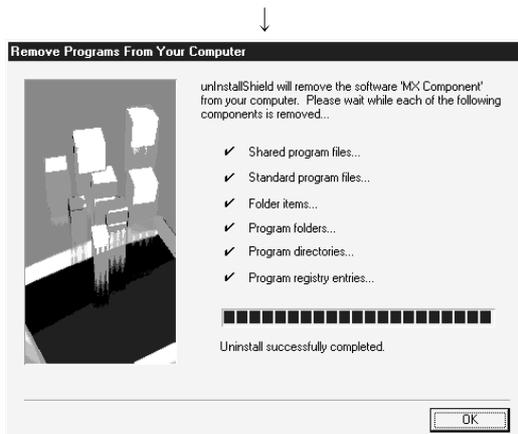


- 3) Check whether you will remove the software package or not.
 When uninstalling it, click **Yes**.
 Uninstallation starts.
 When not uninstalling it, click **No**.
 This returns to the preceding screen.

* Components indicate the icons and files installed.



- 4) When this screen has appeared, click **No to All**.
 The software package of only MX Component is removed.
 If you click the **Yes** or **Yes to All** button, the shared file of the MELSEC software packages will be removed and the other software packages may not operate properly.



- 5) When the removal finished message appears, click **OK**.
 When the completion message appears, uninstallation is completed.

* If the unremoved file alarm is given, open "Windows Explorer", check the files and remove unnecessary files. Note that if you remove necessary files accidentally, the other applications may not be started.

(Completion)

3.4 Installing the USB Driver

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

The following is the USB driver installation procedure.

POINT

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

Choose "Ignore-Install all files, regardless of file signature" or "Warn-Display a message before installing an unsigned file" for [File signature verification], and install the USB driver.



1) The screen shown on the left appears when you connect the personal computer and QCPU (Q mode) by the USB cable.

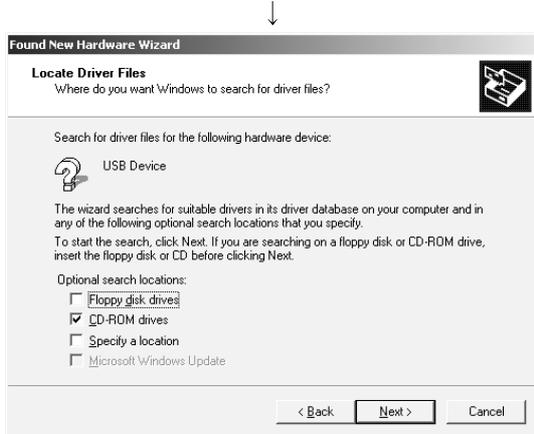
Click the **Next>** button.



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

(To the next page)

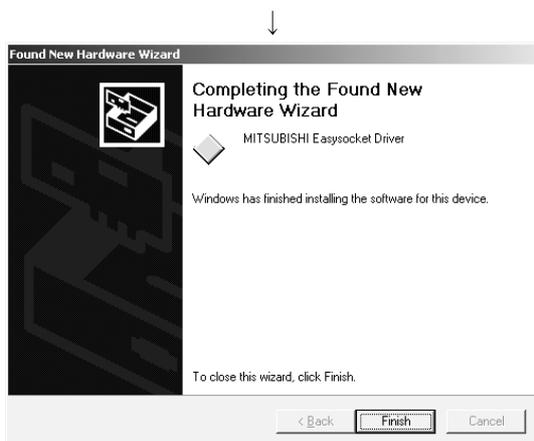
(From the previous page)



3) Check "CD-ROM drives", insert the CD-ROM into the CD-ROM drive, and click the **Next>** button.



4) As the screen on the left appears, click the **Next>** button.



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

(Completion)

4 USING THE OPERATING MANUALS (PDF DATA)

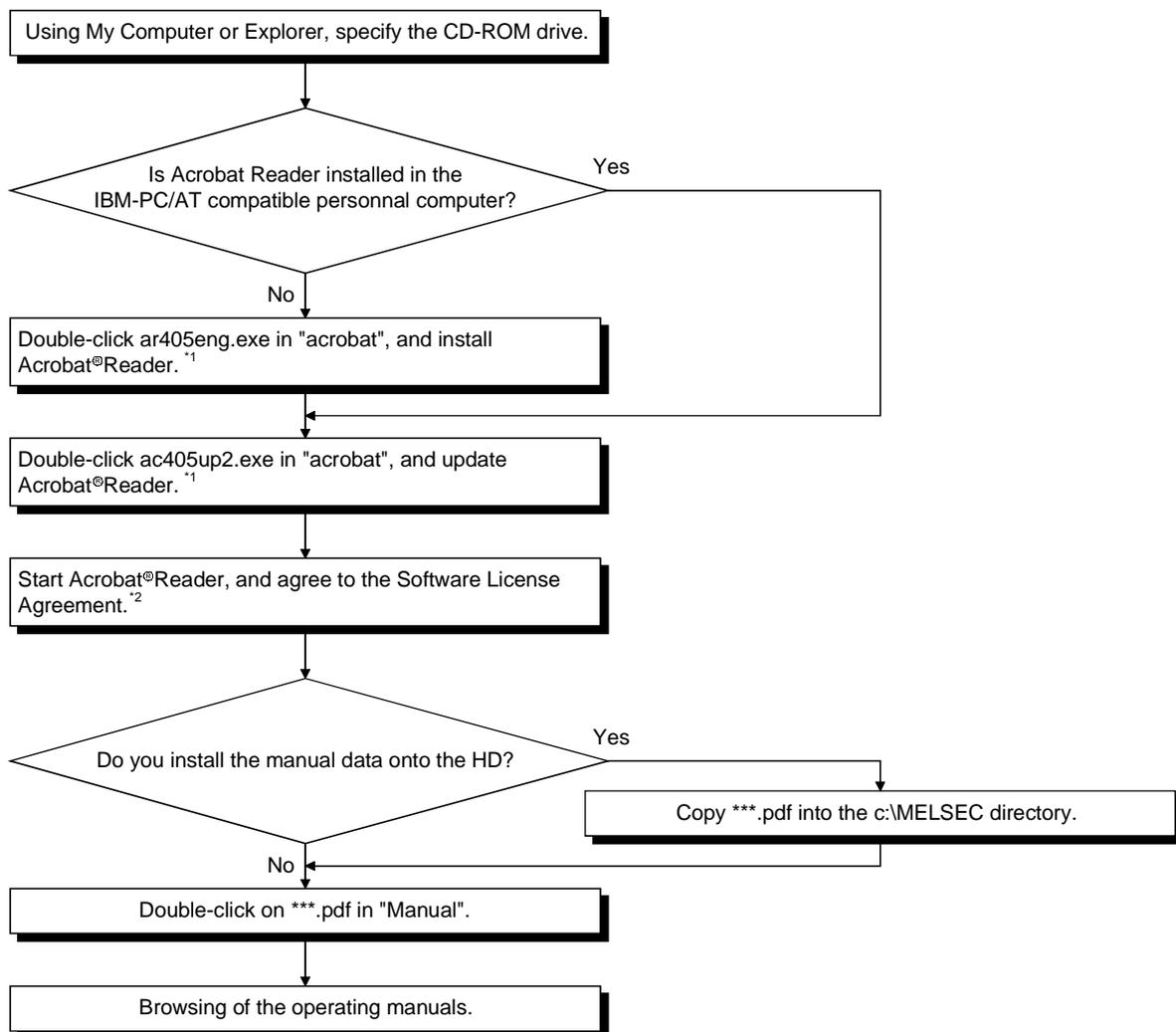
The operating manual and programming manual are contained on the CD-ROM which includes the MX Component.

The operating manuals may either be used by reading them directly from the CD-ROM or by installing them on the HD. (They can be used at the user's option.)

The manuals are in the form of PDF data which can be viewed using Acrobat Reader of Adobe Systems, Inc.

4.1 Operating Procedure

4.1.1 Procedure for Browsing the Operating Manuals



*1: 8MB of open space is required in the hard disk.

*2: The PDF data in the "Manual" folder can be viewed by "Agreeing" to the Software License Agreement.

If the PDF data file is double-clicked on before selecting "Agree", Acrobat®Reader will not start up.

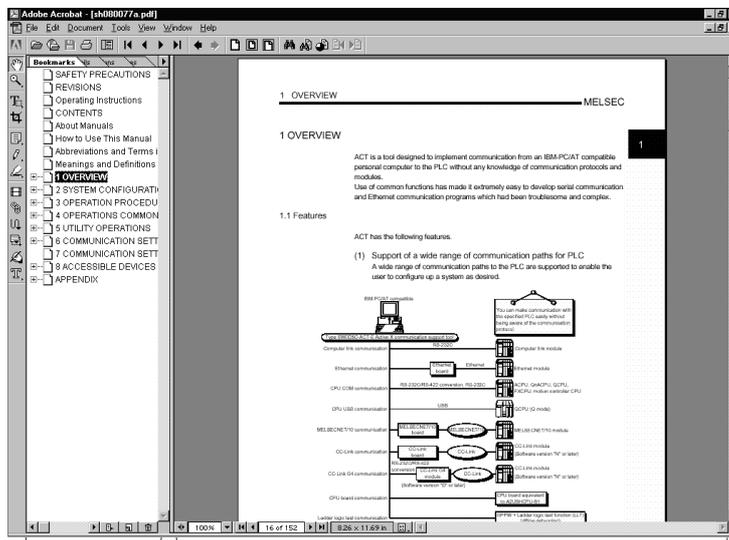
If Acrobat®Reader dose not startup, restart the personal computer, and select "Agree" in the Software License Agreement.

<Details of "Manual" folder>

- Manual
 - acrobat
 - ar405eng.exe (Application required to view the PDF data.)
 - ac405up2.exe (File to update Acrobat® Reader)
 - readme.txt (The files in the "Manual" folder are explained.)
 - sh080153a.pdf (MX Component Version 2 Operating Manual (Startup))
 - sh080154a.pdf (MX Component Version 2 Operating Manual)
 - sh080155a.pdf (MX Component Version 2 Programming Manual)

4.1.2 Operation for Browsing the Operating Manual

The following screen is used to browse any operating manual.



bookmark section

manual display section

Clicking any contents item in the "bookmark section" with the mouse changes the screen in the "manual display section".

APPENDICES

Appendix 1 How to Install MX Component after Copying It onto FDs

The following describes the method of installing the MX Component on the personal computer when no CD-ROM drive is included in the peripherals.

On the CD-ROM, folders are prepared for each capacity allowed to be copied onto one FD so that the copying onto the FDs can be performed easily.

If the CD-ROM drive is selected using Explorer, Disk 1 through Disk n will appear on the screen. Prepare formatted FDs of the same quantity as the number of folders.

Setup.exe shown in the Route Directory of the CD-ROM must not be copied.

(1) Copy the data onto FDs.



- 1) Select the drive in which MX Component has been set up. Next, select all files stored in Disk 1 of MX Component, and copy them onto the FD. After the copying of Disk 1 has been completed, also copy the files stored in the other directories in the same manner. As setup.exe for FD is included in Disk 1, you need not copy setup.exe.

(2) Copying has been completed.



- 2) After the copying onto the FDs has been completed, insert the copied FD in the personal computer to be installed, and install MX Component according to the messages shown on the screen. For details of the installation operation, refer to Section 3.1.3 "Installation".

MX Component Version 2

Operating Manual(Startup)

MODEL	MELS2-ACTE-O-ST-E
MODEL CODE	13JU10
SH(NA)-080153-A(0104)MEE	



HEAD OFFICE : MITSUBISHI DENKI BLDG MARUNOUCHI TOKYO 100-8310 TELEX : J24532 CABLE MELCO TOKYO
NAGOYA WORKS : 1-14 , YADA-MINAMI 5 , HIGASHI-KU, NAGOYA , JAPAN

When exported from Japan, this manual does not require application to the Ministry of Economy, Trade and Industry for service transaction permission.

Specifications subject to change without notice.