



CopyUnitManager Instruction Manual

To properly use the product, read this manual thoroughly and retain for easy reference, inspection, and maintenance. Ensure the end user receives this manual.

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WARNINGS AND CAUTIONS

Read this manual thoroughly before installation, operation, maintenance, of CopyUnitManager. In this manual, definitions are classified as "WARNING" or "CAUTION".



Indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury to personnel.



Indicate a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury to personnel and damage to equipment. It may also be used to alert against unsafe practices.

About the Manual

In this manual, the following items are introduced for the CopyUnitManager users.

- Overview of main functions and operation methods of CopyUnitManager
- How to install /uninstall CopyUnitManager

About The Software

Cautions:

- This software needs to be used on the assigned computer only. If you want to use it on another computer, please order another copy.
- This software can not be copied other than for back-up purposes.
- Please keep the CD-ROM (original media) that contains this software at hand
- DO NOT decompile or disassemble this software
- You shall not transfer, exchange or re-lease a part or all of this Software without YASKAWA INFORMATION SYSTEMS Corporation's prior consent to any third party.
- Copyright and any other rights belong to YASKAWA ELECTRIC CORPORATION.

1. Introduction to CopyUnitManager

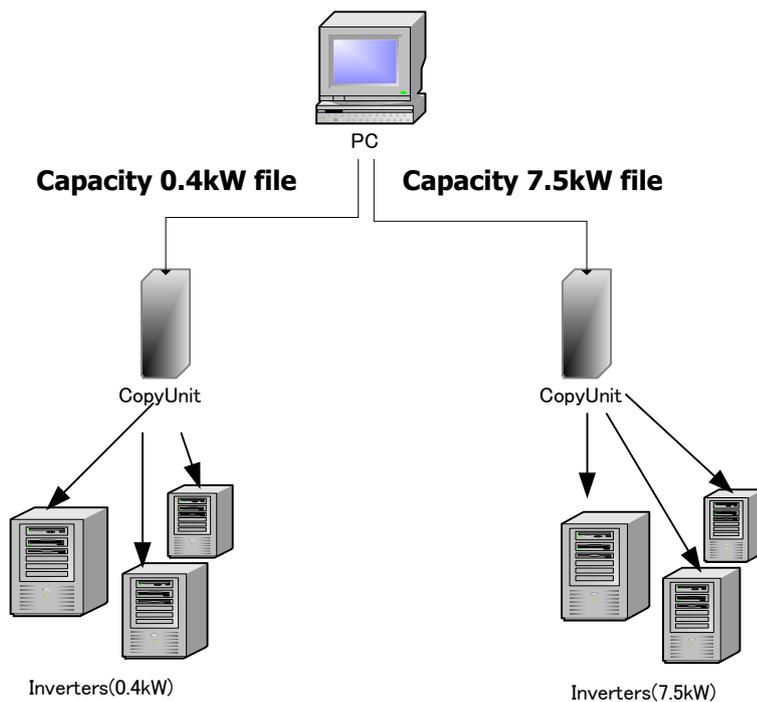
In this section, an overview of the system, features, and the requirements of the CopyUnitManager are introduced.

1.1. Overview and Feature of CopyUnitManager

CopyUnitManager is an application to manage the copy unit which is part of the 9th generation series Inverters of YASKAWA ELECTRIC CORPORATION. This product is very convenient to use when the same CopyUnit file needs to be written into several Inverters.

The Capacity information used in CopyUnitManager is managed in one CSV_ENG .csv file. There is no need to re-install CopyUnitManager when the capacity scale supported by a new inverter expands. If Inverter types are added in the future, the user just needs to replace the old CSV_ENG.csv files with a new one which is provided by the manufacturer.

The image of this application is shown below.



1.2. System Requirement

The following system configuration is necessary for using CopyUnitManager .

PC	PC/AT DOS/V Compatible machine
CPU	Pentium II Processor 2GHz * 3GHz or more is recommended
Main storage	512MB * 1GB or more is recommended
Hard disk capacity	More than 400MB
Operating System	Japanese/English version OS ● Windows 7 SP1 ● Windows XP SP2 ● Windows 2000 SP4

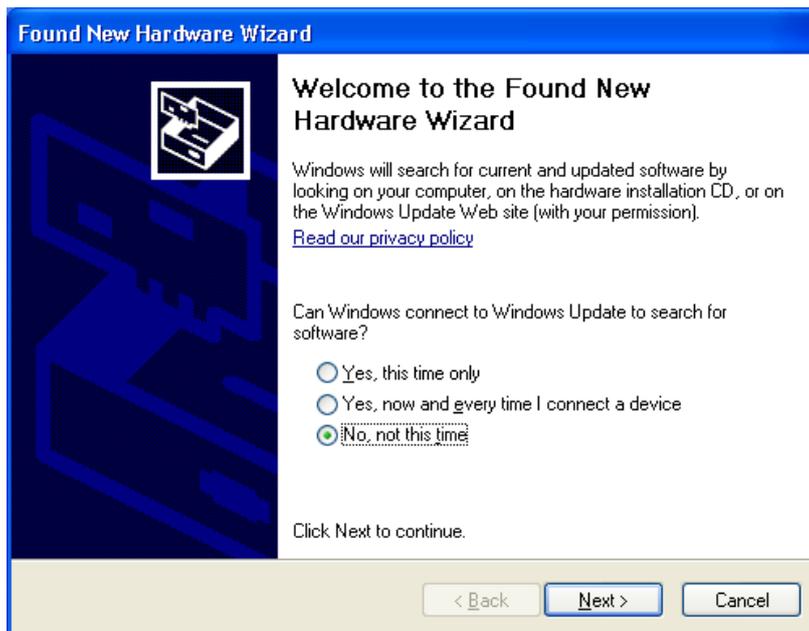
Trademarks

Windows2000, Windows XP and Windows 7 are registered trademarks of Microsoft Corporation.

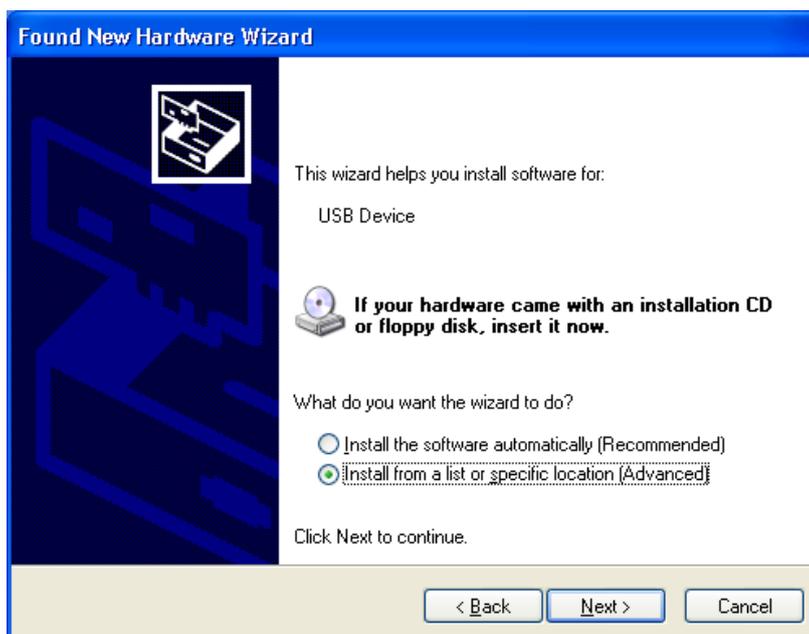
1.3. Setup of Interface Board Device Driver

The device driver is set up according to the following procedures.

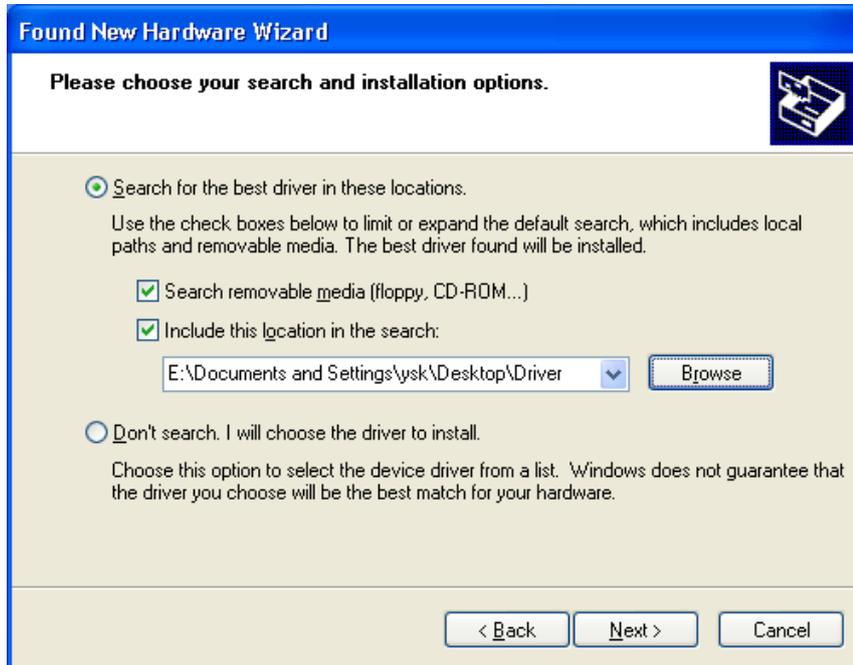
1. Download the USB device driver for JVOP-181 from support site of Yaskawa Electric Corporation (e-mecha site (<http://www.e-mechatronics.com/>)).
2. Install the specified interface board of CopyUnit to PC while the PC's power is OFF. Turn on the power supply of user's PC. After the OS is started, the following screen will be displayed Select [No, not this time].



3. When "Next" button is clicked, then the following screen will be displayed. Select [Install from a list or a specific location (Advanced)].



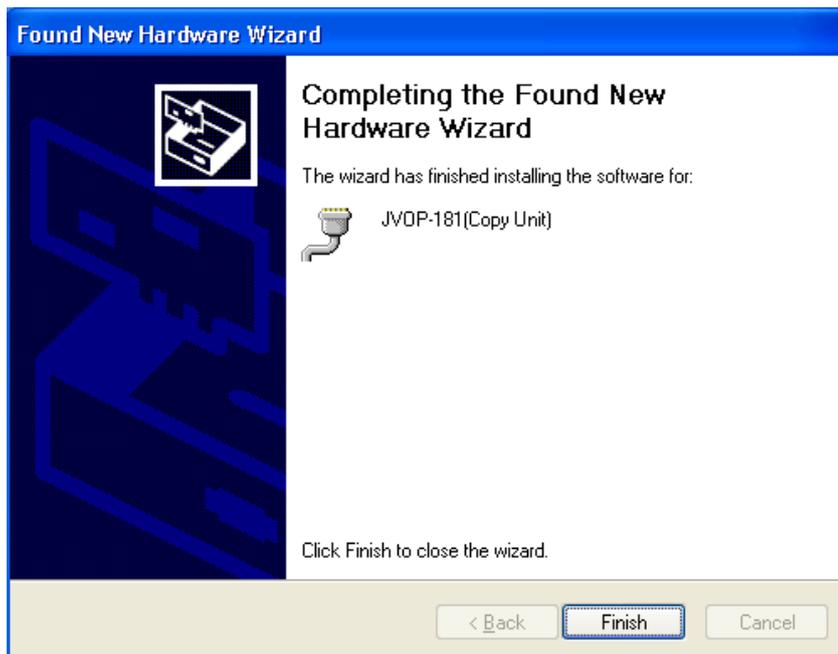
- When the "Next" button is selected, the following screen will be displayed. Select [Search from Removable media (floppy, CD-ROM . . .)] / [Include this location in the search].



- Select "Next", then the installation of the device driver will begin. The following screen will be displayed.



6. The following screen will be displayed after the device driver has been installed.



7. Select "Finish", then the installation of the device driver will be completed.

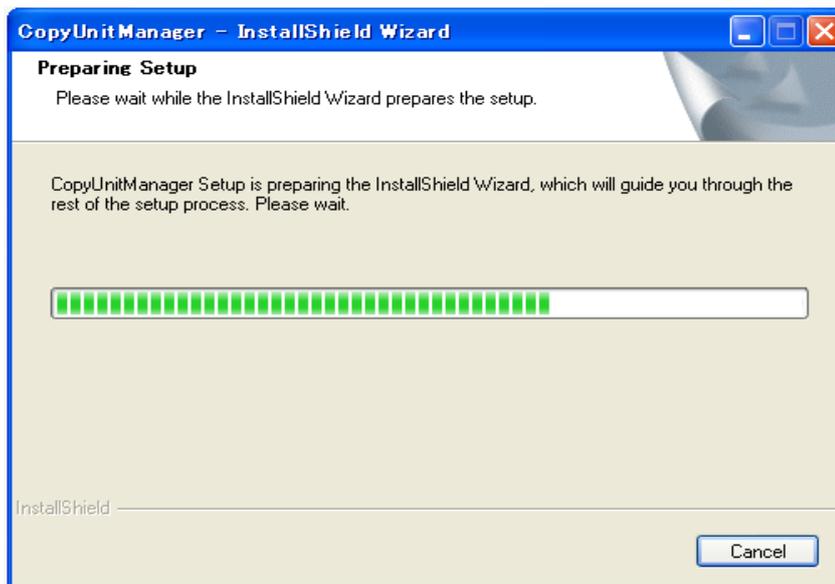
1.4. Installation

The CopyUnitManager installation program is used to install CopyUnitManager. In this installation program, the program source code and the associated files of CopyUnitManager are contained.

To avoid conflicts with other programs during installation, please terminate all the other active programs before beginning.

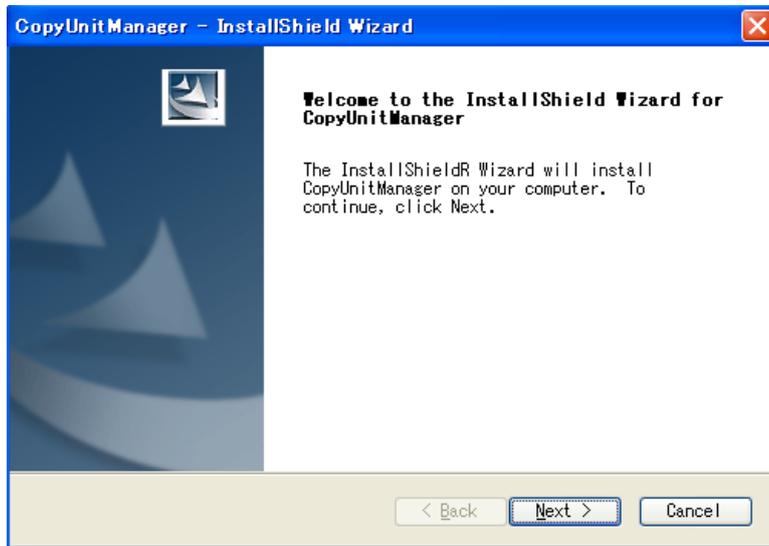
Please install the program according the following procedures.

- (1) Insert CD-ROM into CD-ROM drive.
- (2) Start the setup program with either of the following methods.
 - Select "Execute the specified file" from the start menu, then click [OK] after "D:¥SetupJPN¥SETUP" is input.
 - The content of CD-ROM will be displayed by starting EXPLORE, then double-click "D:¥SETUP.EXE" .
- (3) The following "Preparing Setup" screen is displayed, and the installation begins.

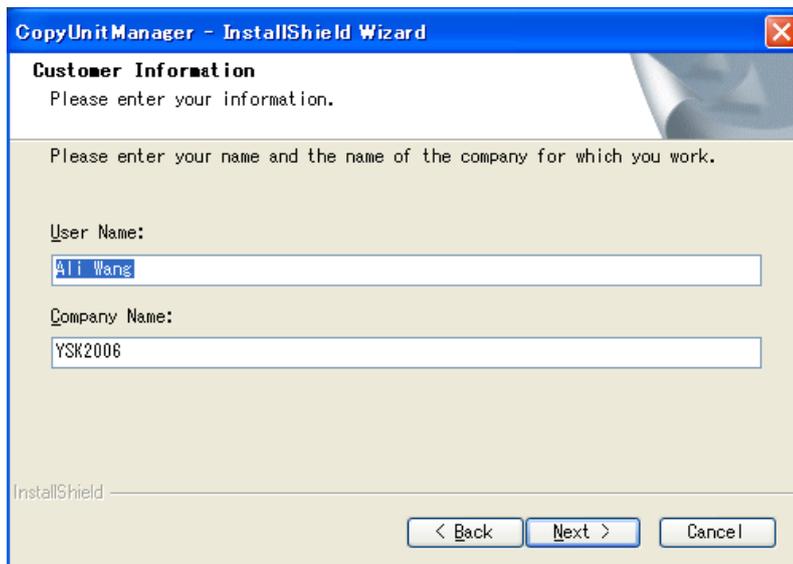


(4) If CopyUnitManager has already been installed, the existed program will be overwritten.

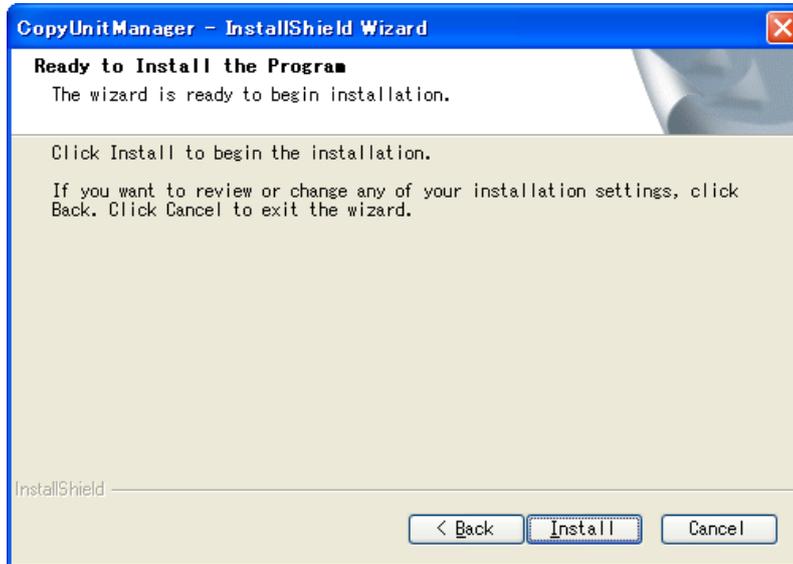
"Welcome to the InstallShield Wizard for CopyUnitManager" screen is displayed.



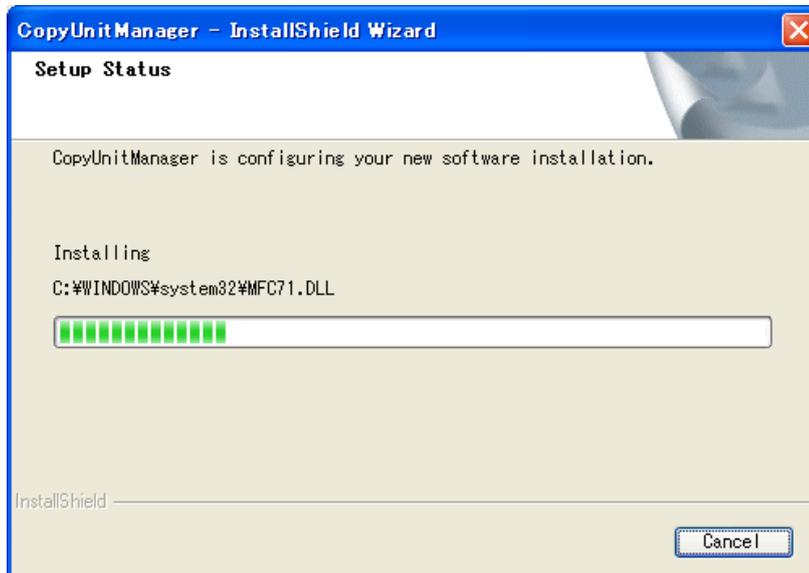
(5) After reading the contents on the screen and selecting [Next], the following "Customer Information" screen is displayed.



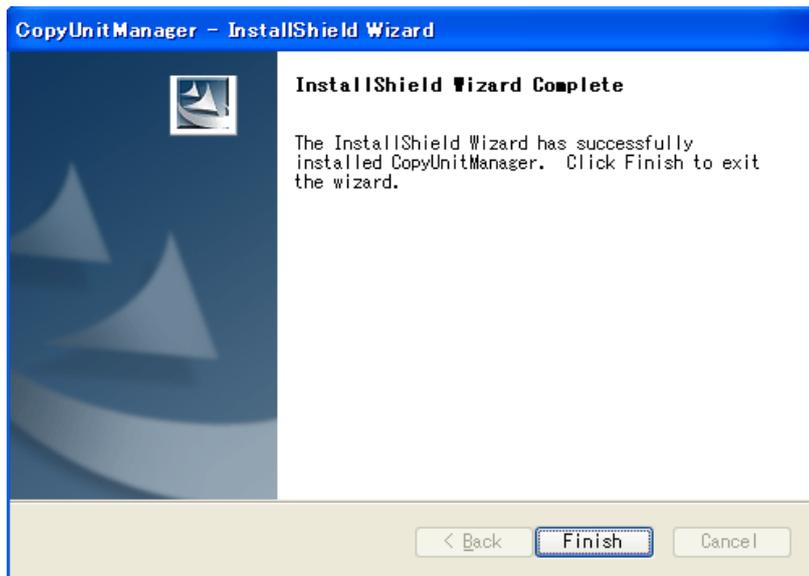
- (6) After inputting the Username and Company name, click [Next]. Then the following "Ready to Install the Program" screen will be displayed.



- (7) Please specify the installation destination, then click [OK], the files in the installation disk will be copied to the PC during the installation and the following screen will be displayed.



-
- (8) After the installation is complete, the following "InstallShield Wizard Complete" screen will be displayed. Select "Finish" to complete the installation of the program.

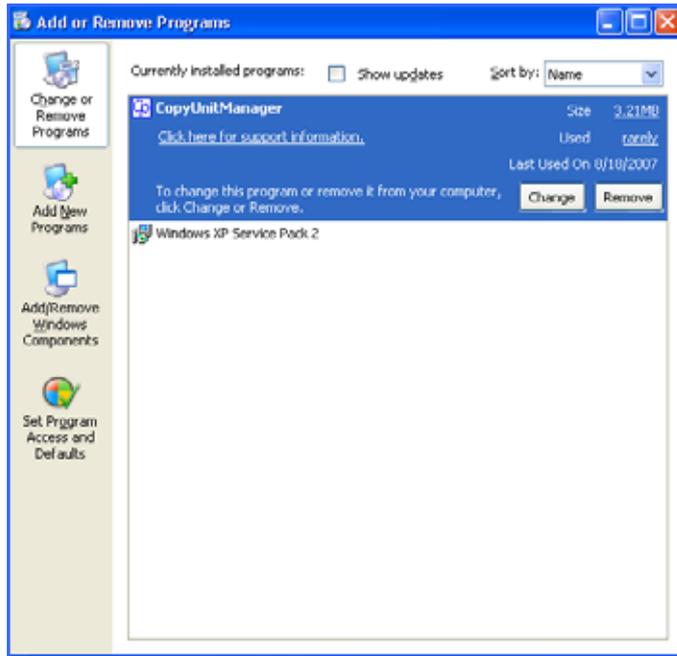


- (9) After "Finish" button has been selected the installation of the program is now complete.

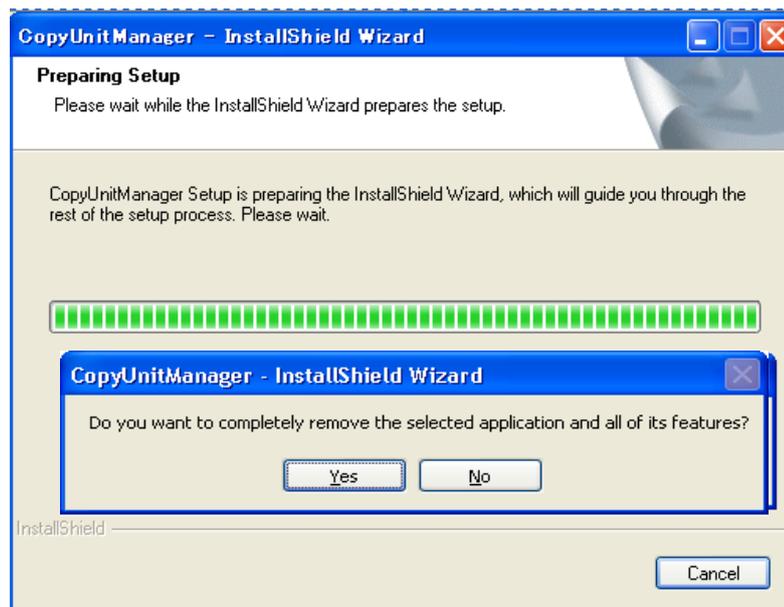
1.5. Uninstallation

To uninstall the program follow the procedure below.

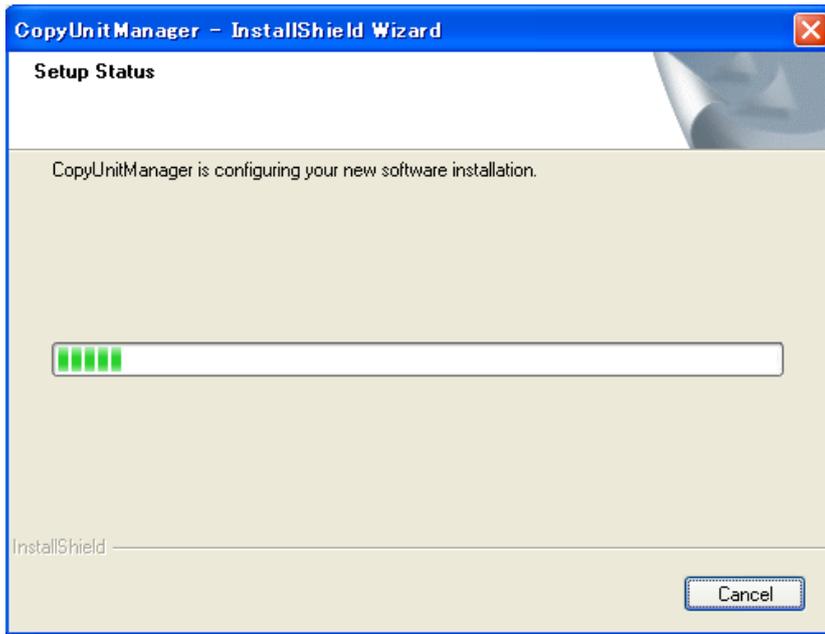
- (1) Select "Start" on the Windows taskbar to open the Start menu.
- (2) Select "Control Panel" to open Control Panel.
- (3) When "Add Or Remove Programs" is selected, the following screens are displayed.



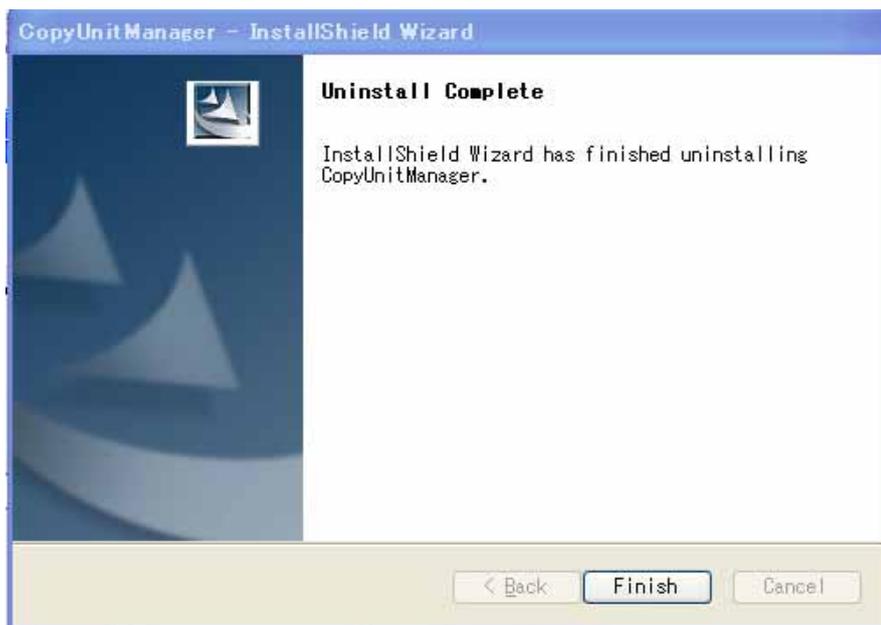
- (4) Select "CopyUnitManager" and Click "Remove" .The following screen will be displayed.



(5) When "Yes" is selected, the following screen will be displayed.



(6) When the uninstallation of the program ends, the following screen will be displayed.



(7) Select the "Finish" button to complete the uninstallation.

2. Start up CopyUnitManager

CopyUnitManager can be started up using the following methods.

2.1. Startup CopyUnitManager

To Start up CopyUnitManager, the following method can be used.

- Start up from start menu

2.1.1. Start up from Start Menu

Start up CopyUnitManager from start menu.

1. Select "Start" on the taskbar of Windows.
2. Select "All programs" to open the program folder.
3. Select "YE_Applications" to open the folder.
4. Select "CopyUnitManager" to open the folder.
5. Select "CpyUnitTool.exe/CopyUnitManager SHORT CUT" to start-up CopyUnitManager.



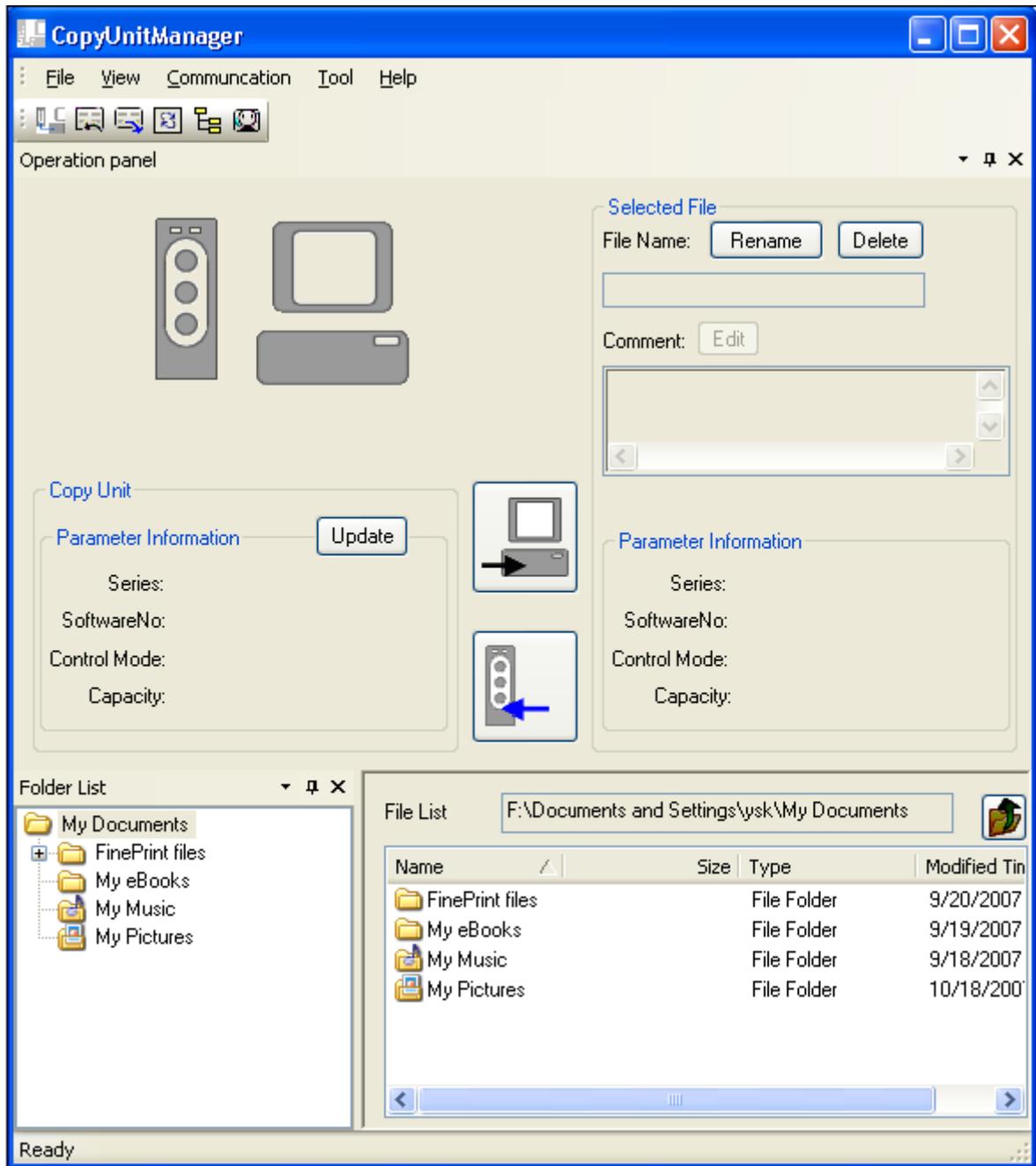
2.1.2. Start up from Desktop Menu

Start up CopyUnitManager from desktop menu.



3. Main Screen of CopyUnitManager

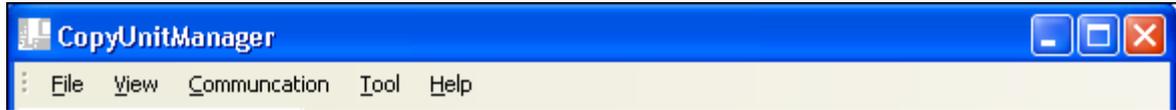
The main screen of the CopyUnitManager is displayed as follows.



The main screen of CopyUnitManager

The main screen of CopyUnitManager is composed of a Menu-bar, Operation Panel, Folder List and File List.

3.1. Main Menu



The menu-bar of CopyUnitManager

Menu	Content
<u>F</u> ile	
Exit	Quit the application.
<u>V</u> iew	
<u>F</u> older List	Display Folder list.
<u>O</u> peration Panel	Display Operation Panel.
<u>T</u> ool Bar	Show or hide the toolbar.
<u>S</u> tatus Bar	Show/Hide the status bar.
Return to Default <u>L</u> ayout	Reset current layout to default status.
<u>C</u> ommunication	
Information <u>U</u> pdate	Update CopyUnit information shown on Operation Panel.
<u>R</u> ead	Read from CopyUnit.
<u>W</u> rite	Upload the selected file data into CopyUnit.
MemoBus <u>S</u> etting...	Set MemoBus.
<u>T</u> ool	
Option...	Set tool option.
<u>H</u> elp	
Technical Manual	Display Online Help.
<u>A</u> bout CopyUnitManager ...	Display CopyUnitManager Version Information.

4. Operation Method

4.1. View Function

If the Operation windows below are closed by the User, they can be displayed again by this function.

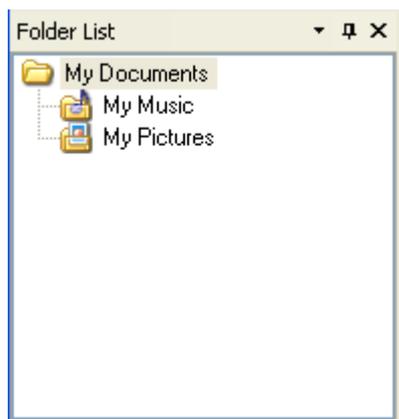
- Folder List
- Operation Panel;
- Tool Bar
- Status Bar

When the default layout design is changed to a different one, by the following function the present layout can be reset to the default status.

- Return to Default Layout

4.1.1. Folder List

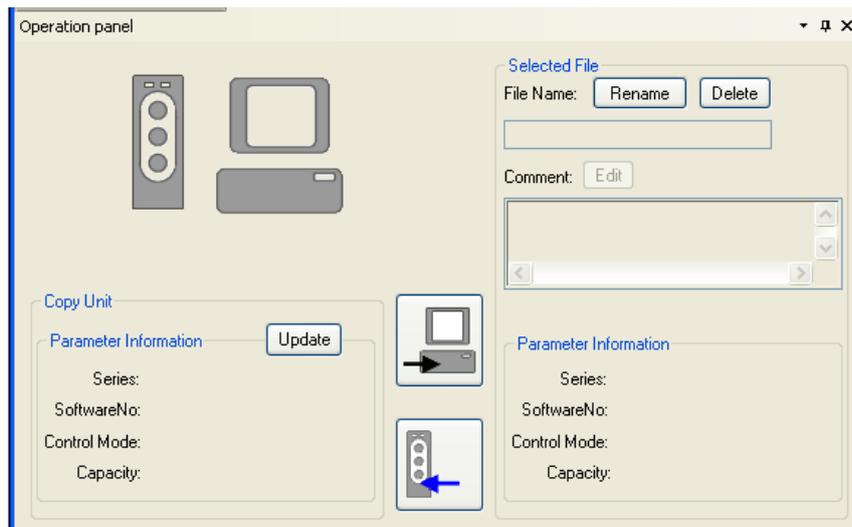
- If the Folder List window is closed, the user can display it again by selecting [View]-[Folder List] menu.
- When "×" is clicked , Folder List window can be closed .



Folder List View

4.1.2. Operation Panel

- If the Folder List window is closed, the user can display it again by selecting [View]-[Operation panel] menu.
- When "×" is clicked ,Operation Panel window can be closed .



Operation panel View

4.1.3. **Tool Bar**

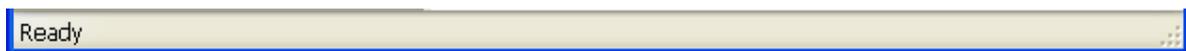
When the [View]-[Tool Bar] menu is selected, the following tool bar will be displayed.



Tool Bar

4.1.4. **Status Bar**

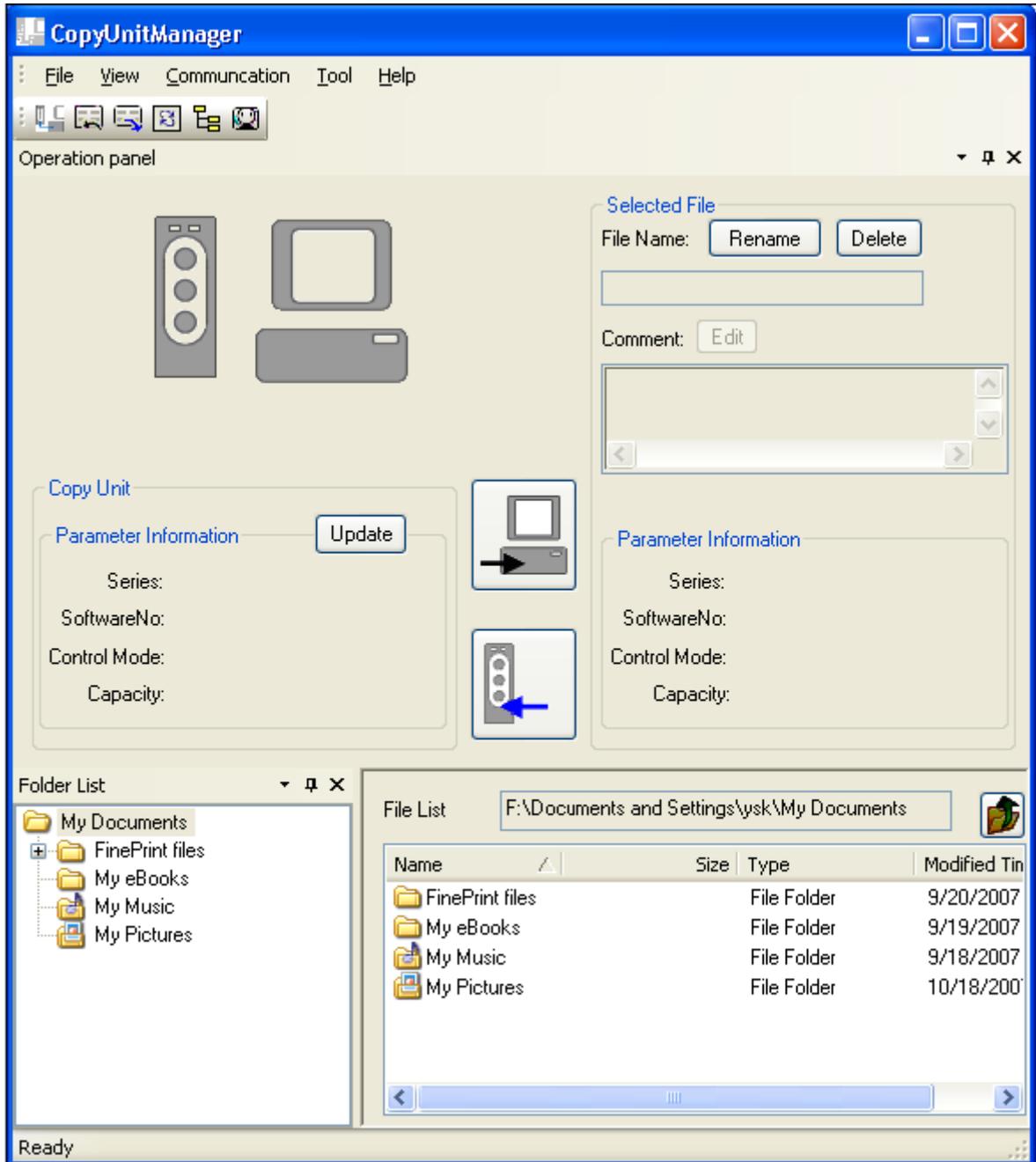
When the [View]-[Status Bar] menu is selected, the status bar will be displayed.



Status Bar

4.1.5. Return to Default Layout

When the following default layout design is changed to a different one , the present layout can be reset to the default status.



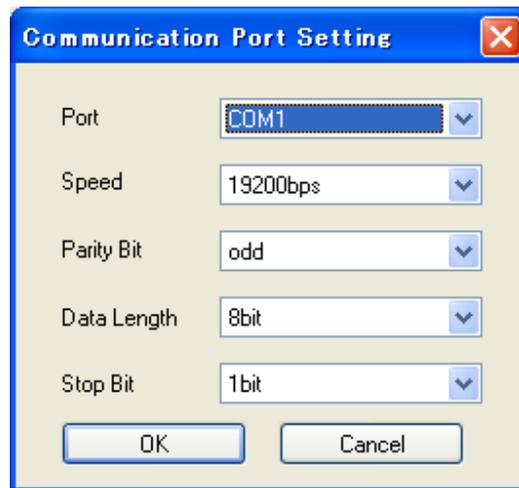
default layout

4.2. MemoBus Setting Function

The Communication environment between PC and CopyUnit can be set by this function.

4.2.1. MemoBus Setting Dialog

Select [Communication]-[MemoBus Setting] menu. Then the following dialog will be displayed.



MemoBus Setting Dialog

Port

All the active communication ports in User's PC can be selected.

Communication Speed

The following Communication Speeds can be selected.

- 1200bps
- 2400bps
- 4800bps
- 9600bps
- 19200bps

Parity

The following parities items can be selected.

- None
- odd
- even

Data Length

The following data length items can be selected.

- 7bit
- 8bit

Stop Speed

The following Stop Speed items can be selected.

- 1 bit
- 2 bit

OK button

When the "OK" button is selected, the present setting will be active and MemoBus Setting dialog will be closed.

Cancel button

When the "Cancel" button is selected, the present setting will be disregarded and the MemoBus Setting dialog will be closed.

4.3. Information Update Function

Parameter information in the CopyUnit can be displayed in the "CopyUnit parameter information" field of the Operation Panel using this function.

4.3.1. How to start up the Information Update Function

Below are three ways for the user to start up this function.

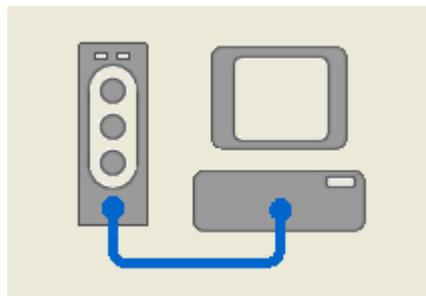
- Select [Communication]-[Information Update] menu on the menu bar.
- Select the "Update" button on the Operation Panel.
- Select the "  " button on the Tool Bar.

4.3.2. Communication process

There are several following screen changes which will occur when the Information Update function is executed.

Normal communication process

- A blue-solid line used to link CopyUnit icon and PC icon together will be shown as follows.



- The parameter information of CopyUnit will be shown in "CopyUnit Parameter Information" field as follows.

A screenshot of a software interface window titled "Copy Unit". Inside the window, there is a section labeled "Parameter Information" with a blue "Update" button to its right. Below this, four parameters are listed in a two-column format:

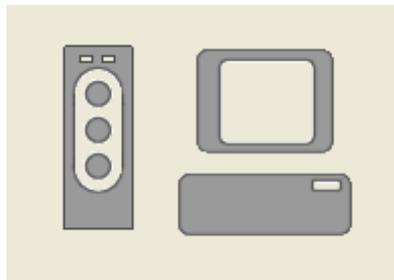
Series:	V1000
SoftwareNo:	5010
Control Mode:	Open Loop Vector
Capacity:	1~200V, 0.1/0.2KW

In case of abnormal communication process

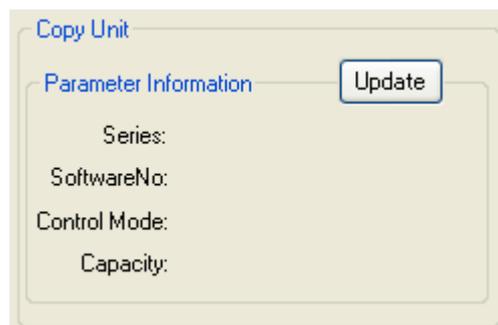
- If “ Update ” button is selected after a cable between the CopyUnit and PC are disconnected, the following error message will be displayed.



- If click [OK] above, the blue solid-line between the CopyUnit icon and the PC icon will disappear. The image will be as follows.



- All the parameter information shown in the [CopyUnit]-[Parameter Information] field will be cleared.



4.4. [Read] Function

Using this function allows Parameter information in the CopyUnit to be downloaded and saved into the user's PC.

4.4.1. How to start this function

The following three methods can be used for the user to start this function.

- Select [Communication]-[Read] menu on the menu bar



- Click [] button of the Operation Panel

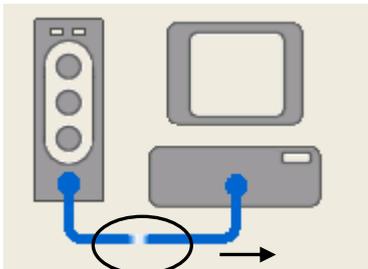
- Click [] button on the Tool Bar

4.4.2. Communication Process

There are several following screen changes which will occur when the Read function is executed.

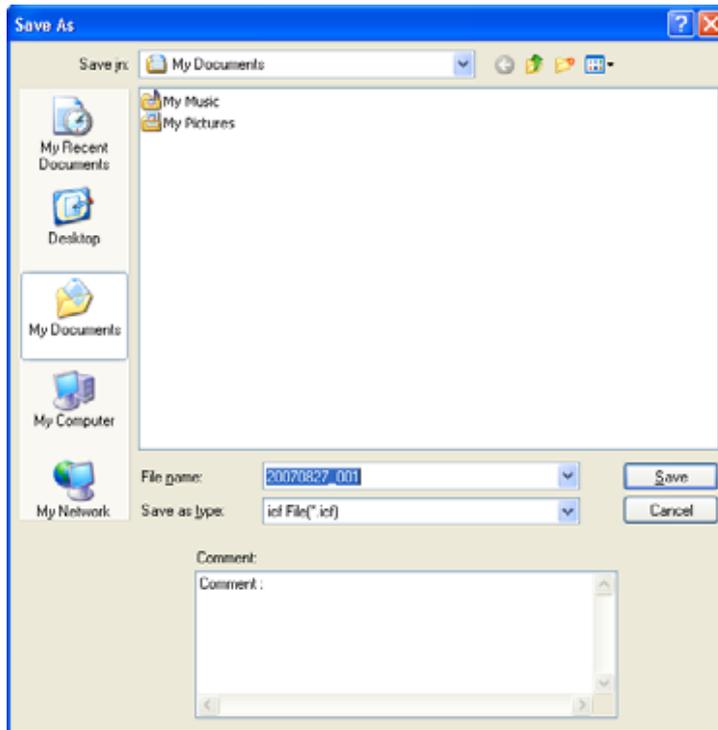
Normal communication process

- [Read] / [Write] / [Edit] buttons are inactive..
- The animation about the white part moving from the left to the right will start to play.



During the normal communication process

- [Read] button returns to an active status.
- [Write] button returns to an active status.
- The animation stops and the line between CopyUnit and PC will become solid-line.
- The following "Save As" window will be displayed. There user can name the file and save it into the PC.



File Save Dialog

[Save] button

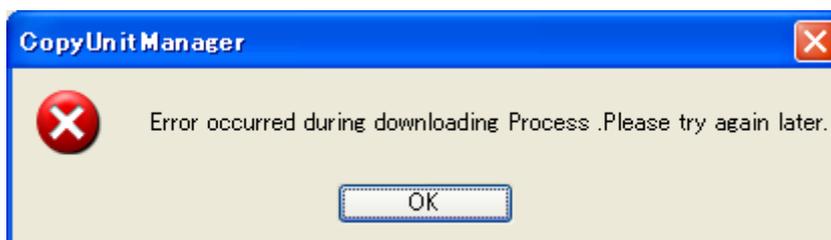
- When [Save] button is selected, the parameter information will be saved and the [Save as...] window will be closed.
- After save file, the parameter information in the CopyUnit will be displayed in both [CopyUnit]-[Parameter Information] field and [Selected file]-[Parameter Information] field.
- [Rename] / [Delete] button is in activity status. But it is not available to rename or delete the selected file.
- The [Edit] button is inactive.

[Cancel] button

When the "Cancel" button is selected, the "Save as..." window will be closed without saving the file.

In case communication process can not be completed normally

- The [Read] button returns to an active state.
- The [Write] button returns to an active state.
- The following error message dialog will be displayed.



-
- When [OK] button is selected, the dialog box above will be closed and the parameter information shown in [CopyUnit]-[Parameter Information] field will be cleared.
 - The [Read] button returns to an active status.
 - The [Write] button returns to an active status.
 - The [Edit] button is inactive.
 - The animation disappears.
 - The [Rename] / [Delete] button is in activity status. But it is not available to rename or delete the selected file.

4.5. [Write] Function

This function allows the parameter information of the selected file to be uploaded into the CopyUnit.

4.5.1. How to start up this function

There are the following three methods for the user to startup this function.

- Select [Communication]-[Write] menu on the menu bar.



- Select [] button of the Operation Panel.

- Select [] button on the Tool Bar.

4.5.2. Communication Process

Validity Check

Before writing process starts, the validity of the selected file will be checked.

File extension is not a *.icf

In this case, [Write] button and [Edit] button will be non-activity, and the contents of the selected file is not shown in the [Selected File]-[Parameter Information] field.

In case of wrong file format

If the format of the selected *.icf file is different with the standard format, [Write] button and [Edit] button will be in an active status. If click [write] button, the following error message will be displayed.

In this case only the selected file name can be shown in [File Name] blank.



In case selected file is corrupt

When corrupt data is found in the area of the selected *.icf file where the copy unit information is stored, the parameter information of the selected file can be shown in the "Selected File" field, and the "Write" button and "Edit" button can be in an active state. The following error message will be displayed.



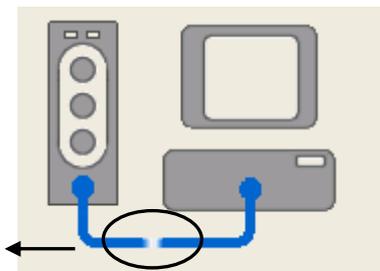
In case of selected file with validity

[Write] button and [Edit] button keep in activity status. If click [Write] button, write process will star.

The selected file information will be shown in [Selected File]-[Parameter Information] filed.

In case of normal communication process

- [Read] button is in non-activity status.
- [Write] button is in non-activity status.
- [Edit] button is in non-activity status.
- The animation about the white part moving from the right to the left will start to play.

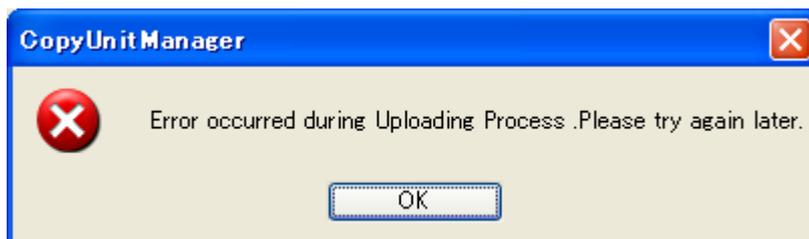


In case communication process is completed normally

- The "Read" button returns to an active state.
- The "Write" button returns to an active state.
- The "Edit" button returns to an active state.
- The animation stops and the line between the CopyUnit and the PC will become solid-line.
- The selected file information will be shown in [CopyUnit]-[Parameter Information] field.

If communication process can not be completed normally

- The "Read" button returns to an active state.
- The "Write" button returns to an active state.
- The following error message is displayed.



[OK] button

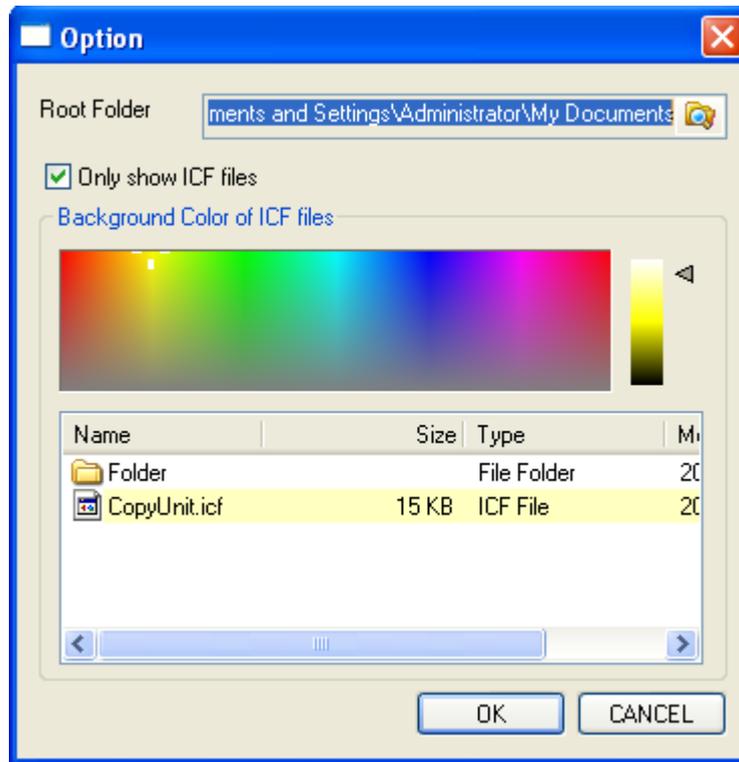
When the "OK" button is selected, the message shown above will be closed and the parameter information shown in the "CopyUnit Parameter Information" field will be cleared.

4.6. Option

On the Option dialog, the Root Folder Path and the Background Color of the *.icf file can be set.

4.6.1. Option Dialog View

By selecting [Tool]-[Option] menu, Option Dialog will be displayed as follows.



Option Dialog View

By selecting “” on the right side of Root Folder , the root folder path can be specified.

Only show ICF files

If “Only show ICF files” is selected, only *.icf files can be set to be displayed in the File List.

Background Color of ICF files

Here, the background color of *.icf can be set.

OK button

When the “OK” button is selected, the present setting will be available and Option dialog will be closed.

Cancel button

When the “Cancel” button is selected, the present setting will be cancelled and Option dialog will be closed.

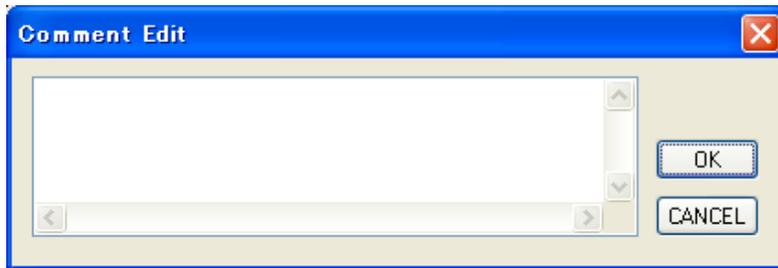
4.7. Functions Related to File

CopyUnitManager provide three functions for user to edit the selected file.

- [Edit] function
It can be used when the User want to change the comment of the selected file.
- [Rename] function
It can be used when the User want to rename the selected file.
- [Delete] function
It can be used when the Use want to delete the selected file.

4.7.1. Comment Edit Screen

Select the "Edit" button on the operation panel ,the following will be displayed.



[OK] button

When the "OK" button is selected, the edited comment will be saved into the selected file, and the "Comment Edit" dialog will be closed.

"Cancel" button

When the "CANCEL" button is selected, the edited comment will not be saved and the "Comment Edit" dialog will be closed.

4.7.2. [Rename] function

Select the "Edit" button on the operation panel ,the following will be displayed.



[OK] button

When the [OK] button is selected, the new file name will be avalid, and [Rename] dialog will be closed.

[Cancel] button

When the [CANCEL] button is selected, the new file name will not be saved, and [Rename] dialog will be closed.

4.7.3. [Delete] Function

Click [Delete] button on the operation panel, the the following message dialog will be displayed.



[OK] button

When the [OK] button is selected, the selected file will be deleted, and the message dialog will be closed.

[Cancel] button

When the [CANCEL] button is selected, delete operation will be cancelled, and the message dialog will be closed.

Appendix Install File List

Application Folder:

「C:¥Program Files¥YASKAWA¥CopyUnitManager」

CSV Files:

(1) Capacity Code List for JPN OS

C:¥Program Files¥YASKAWA¥CopyUnitManager¥CSV_JPN.csv

(2) Capacity Code List for ENG OS

C:¥Program Files¥YASKAWA¥CopyUnitManager¥CSV_ENG.csv

Main Application File

File Name	Function	Installed Folder
CopyUnitTool.exe	.exe module file	Application folder

System File

File Name	Function	Installed Folder
BCGCBPRO731.dll	.exe module file	Application folder
BCGCBProResJPN.dll	.exe module file	Application folder
CommonLib.dll	.exe module file	Application folder

CSV File

File Name	Function	Installed Folder
CSV_JPN.csv	.csv file	Application folder
CSV_ENG.csv	.csv file	Application folder

Manual

File Name	Function	Installed Folder
CopyUnit Manager Manual-JPN.pdf	User' s Manual(Japanese)	Application folder
CopyUnit Manager Manual-ENG.pdf	User' s Manual(English)	Application folder

Revision History

The revision dates and numbers of the revised manuals are given on the bottom of the back cover.

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Date of Publication	Rev. No.	Section	Revised Context
April 2012		1.2.	Revision: System Requirement
		1.3.	Revision: Setup of Interface Board Device Driver
		Back cover	Revision: Address
April 2011		Front cover	Revision: Format
		Preface	Revision: Safety Symbols and Markings Deletion: · Related Manuals · About the Software
		1.1.	Revision: Overview and feature of CopyUnitManager
		1.2.	Revision: System Requirement
		1.3.	Addition: Setup of Interface Board Device Driver Deletion: Set up Copy Unit device driver
		2.	Deletion: Connection the USB Copy Unit to a PC
		4.1.	Revision: Main Menu
		4.2.	Addition: MemoBus Setting Function
		5.2.	Deletion: Port Selection Function
		5.3.	Revision: Information Update Function
		5.4.	Revision: [Read] Function
		5.5.	Revision: [Write] Function
		5.6.	Deletion: Option
		5.7.	Revision: [Parameter File of Edit] Function
		Appendix	Addition: Install File List
Back cover	Revision: Address, format		
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CopyUnitManager Instruction Manual

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YASKAWA ELECTRIC CORPORATION

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