

MITSUBISHI CNC

Changes for the Better



CNC Remote Operation Software

NC Explorer Instruction Manual

A large, grayscale image of the Earth as seen from space, showing cloud patterns and continents. Overlaid on the center of the Earth is the text "MITSUBISHI CNC" in a large, white, stylized font with a slight shadow effect.

**MITSUBISHI
CNC**

MELSOFT
Integrated FA Software

IB-1500904(ENG)-J

Introduction

This instruction manual describes how to use NC Explorer. Incorrect handling may lead to unforeseen accidents, so make sure to read this instruction manual thoroughly before operation to ensure correct usage.

NC Explorer supports the following NC series.

Appropriate NC
M700VW/M700VS/M70V/M700/M70/E70 Series M800W/M800S/M80 Series

Notes on Reading This Manual

- (1) For the specifications of individual machine tools, refer to the manuals issued by the respective machine tool builders. The "restrictions" and "available functions" described by the machine tool builders have precedence over this manual.
- (2) This manual describes as many special operations as possible, but it should be kept in mind that operations not mentioned in this manual cannot be performed.

Precautions for Safety

Always read the specifications issued by the machine tool builder, this manual, related manuals and attached documents before installation, operation, programming, maintenance or inspection to ensure correct use. Understand this numerical controller, safety items and cautions before using the unit.

This manual ranks the safety precautions into "DANGER", "WARNING" and "CAUTION".



DANGER

When the user may be subject to imminent fatalities or major injuries if handling is mistaken.



WARNING

When the user may be subject to fatalities or major injuries if handling is mistaken.



CAUTION

When the user may be subject to injuries or when property damage may occur if handling is mistaken.

Note that even items ranked as "  **CAUTION**", may lead to major results depending on the situation. In any case, important information that must always be observed is described.



DANGER

Not applicable in this manual.



WARNING

Not applicable in this manual.



CAUTION

1. Items related to product and manual



If the descriptions relating to the "restrictions" and "allowable conditions" conflict between this manual and the machine tool builder's instruction manual, the latter has priority over the former.



The operations to which no reference is made in this manual should be considered impossible.



This manual is compiled on the assumption that your machine is provided with all optional functions. Confirm the functions available for your machine before proceeding to operation by referring to the specification issued by the machine tool builder.



In some NC system versions, there may be cases that different pictures appear on the screen, the machine operates in a different way on some function is not activated.



Check condition of the NC device to transfer NC data and machining program by NC Explorer to NC device connected to the network. It may cause unintended rewriting of the program.

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1. Outline

1. Outline

This chapter explains the outline of NC Explorer.

1.1 What is NC Explorer?

"NC Explorer" enables the host PC's Explorer connected to NCs to operate the NCs' machining data files via Ethernet.

Displays "NC Explorer" group under the desktop of Explorer, and displays the hierarchical structure of NC devices and directory by tree structure.

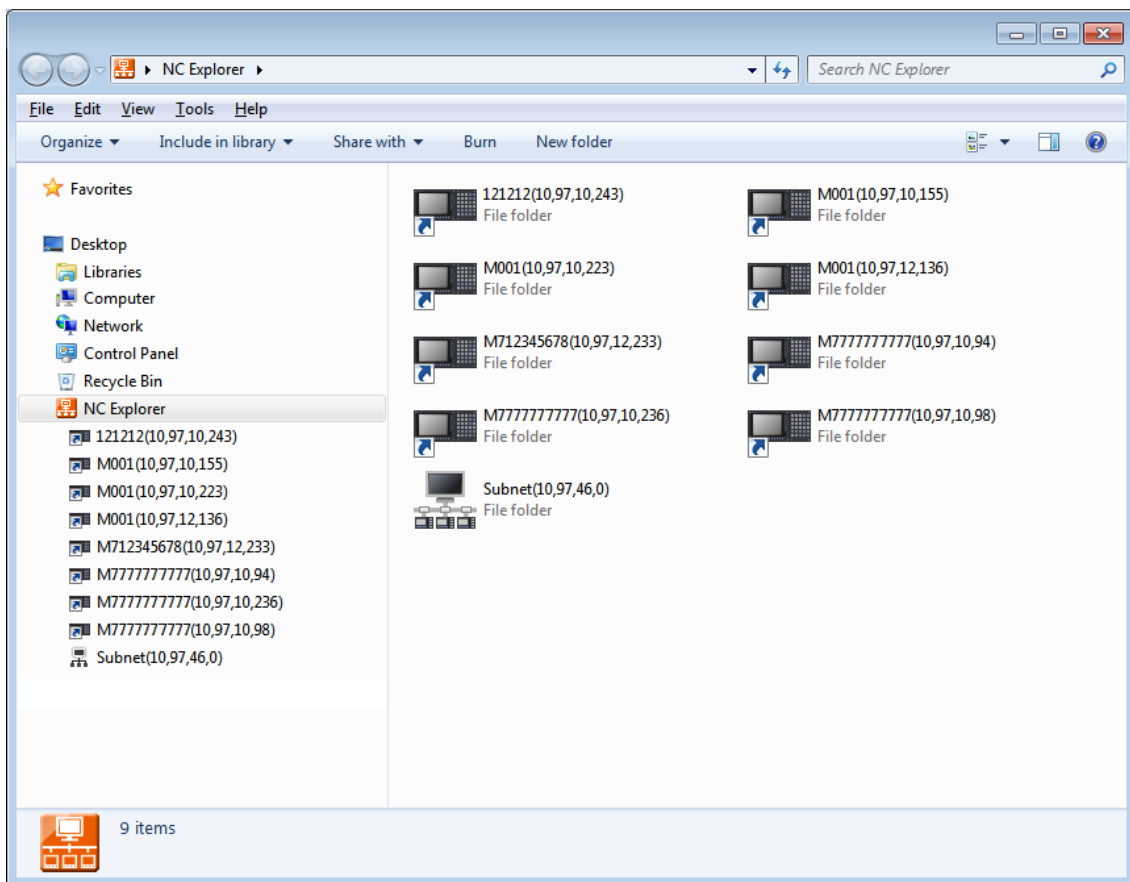


Fig. 1-1 NC Explorer's screen

1. Outline

1.2 Specification of NC Explorer

1.2.1 Device Configuration of NC Explorer

The device configuration of NC Explorer is as follows.

The network environment and device configuration which is covered by this system is as in Fig.1-2.

Targets of file operation are NCs on the same subnet as the host PC's, and NCs on a different subnet.

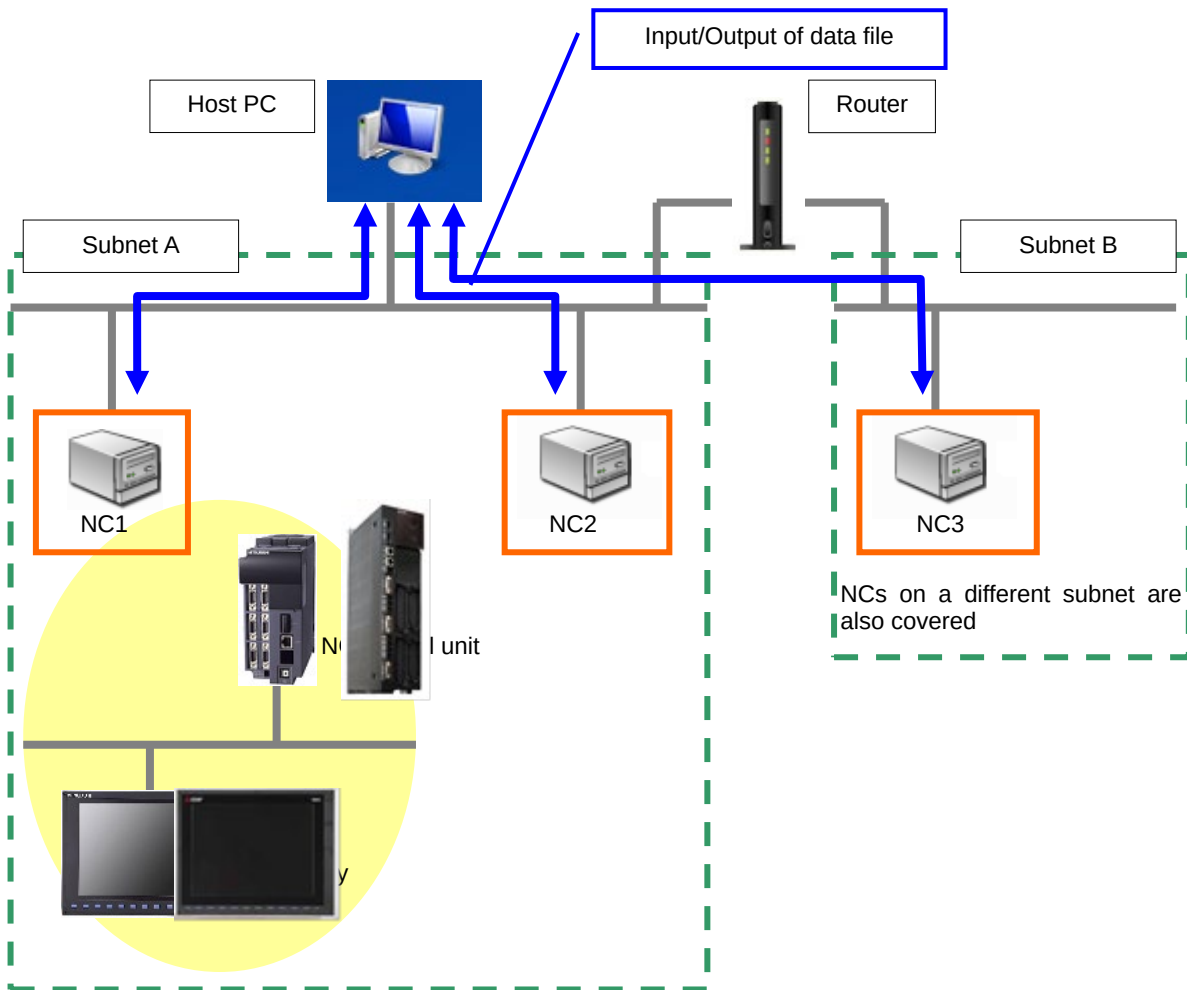


Fig. 1-2 Network environment and device configuration

(Note) Do not disconnect the LAN cable while communicating with the NC device.
Also do not turn the host PC and the NC device OFF while communicating with NC device.

1. Outline

1.2.2 Screen Specification of NC Explorer

The screen of NC Explorer is as in Fig. 1-3.

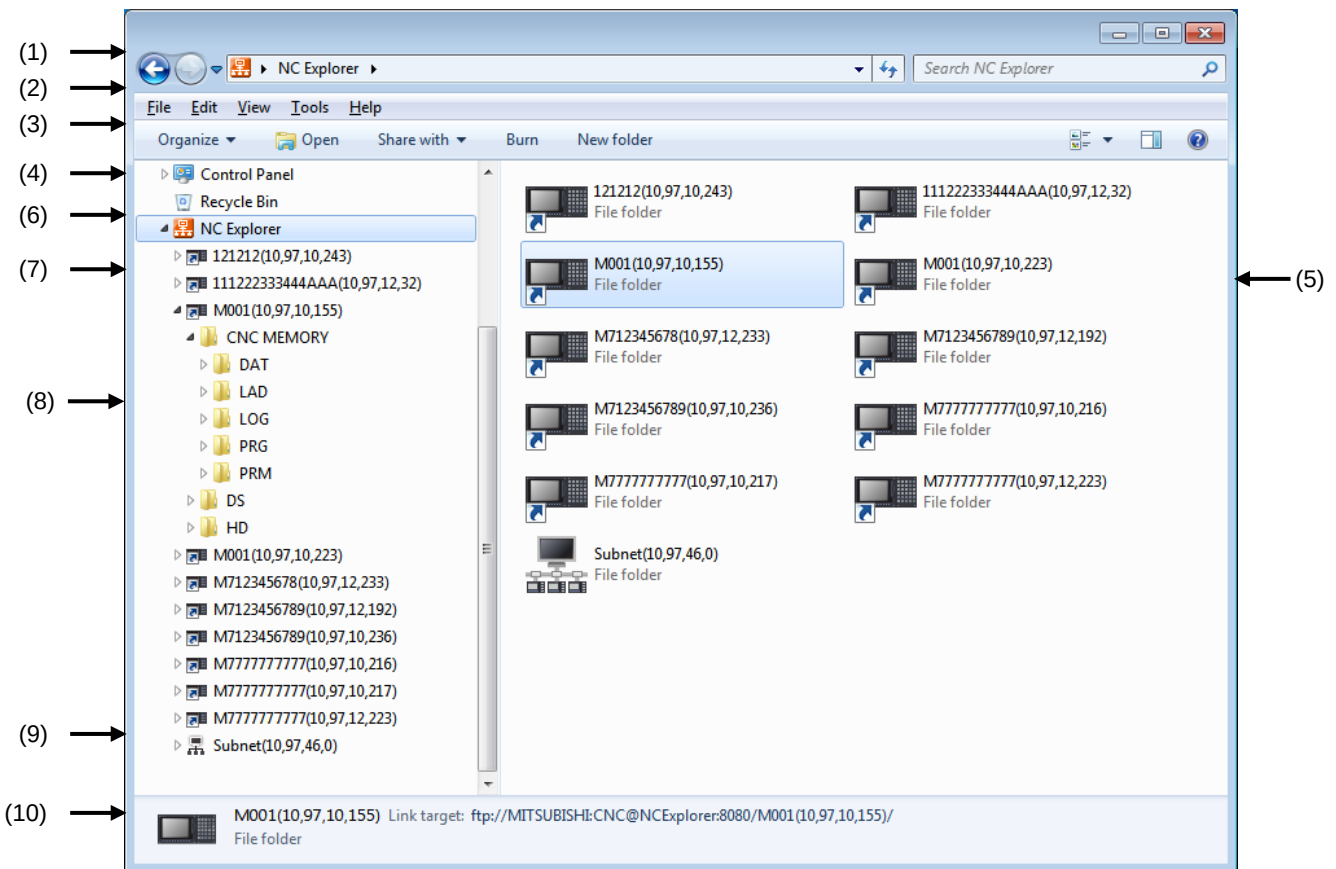


Fig. 1-3 NC Explorer's screen structure

Table 1-1 Screen structure

Name	Outline
(1) Address bar	Explorer's address bar
(2) Menu bar	Explorer's menu bar
(3) Tool bar	Explorer's tool bar
(4) Navigation window (Note 2)	Displays NC devices of NC Explorer group in the tree of the desktop.
(5) Main window	Displays files and folders of the selected NC device.
(6) NC Explorer	NC device group which is a target of file operation by NC Explorer connected to the network (Note 1)
(7) NC device	NC device which is a target of file operation by NC Explorer.
(8) Directory	NC device's folder which is a target of file operation by NC Explorer.
(9) Subnet folder	Different network folder from the host PC.
(10) Detail window	Displays detailed information of selected files and folders.

(Note 1) Right-click the navigation window to display the context menu and select "Show all folder" to display NC Explorer.

(Note 2) If the navigation window is not displayed, click "Organize", point "Layout" and click "Navigation pane" to open the navigation window.

1. Outline

1.2.3 Data Operated with NC Explorer

The correspondence between files and file operations which are handled by NC explorer is shown in Table 1-2, and the correspondence between files and NC devices is shown in Table 1-3.

Table 1-2 File list

Folder name			File name	Description	Copy	Paste	Rename	Cut	Delete	Compare
CNC Memory	PRG	USER	Program name	Machining program file	○	○	○	○	○	○
	PRM		ALL.PRM	Parameter	○	×	×	×	×	×
			AUXAXIS.PRM	Auxiliary axis parameter	○	×	×	×	×	×
			DEVICENT.PRM	Device net parameter	○	×	×	×	×	×
			SAFEPARA.BIN	Safety parameter	○	×	×	×	×	×
	LAD		USERPLC.LAD	User PLC ladder	○	×	×	×	×	×
			SAFEPLC1.LAD	Safety PLC program file	○	×	×	×	×	×
			SAFEPLC2.LAD							
			PROJECTxx.LAD xx: 01 to Usable project No.	User PLC program file per project	○	×	×	×	×	×
	DAT		COMMON.VAR	Common variable	○	○	×	×	×	×
			TOOL.OFS	Tool offset data	○	○	×	×	×	×
			TLIFE.TLF	Tool life management data	○	○	×	×	×	×
			SRAM.BIN	SRAM data	○	×	×	×	×	×
			WORK.OFS	Workpiece offset data	○	○	×	×	×	×
			TOOLMNG.DAT	Tool management data	○	○	×	×	×	×
			DEVOPEN.DAT	Device open data	○	○	×	×	×	×
			SRAMOPEN.DAT	SRAM open data	○	○	×	×	×	×
			RNAVI.DAT	Rnavi data	○	○	×	×	×	×
			TOOLALL.DAT	Tool all data	○	○	×	×	×	×
			UPROTECT.BIN	Data protection by user's level file	○	×	×	×	×	×
	LOG		NCSAMP.CSV	Sampling data	○	×	×	×	×	×
			ALLLOG.LOG	Log data (All log)	○	×	×	×	×	×
			KEYLOG.LOG	Log data (Key log)	○	×	×	×	×	×
			TOUCHLOG.LOG	Touchscreen log data file	○	×	×	×	×	×
DS					○	○	○	○	○	○
MEMORY CARD					○	○	○	○	○	○
HD (Note 1)	NCFILE				○	○	○	○	○	○

○ : Available

× : Unavailable

(Note 1) Shown when connected to M700/M700VW/M800W Series. HD folder is not displayed when connected to NC which is registered to subnet.

1. Outline

Table 1-3 List of files handled by NC device

Folder name			File name	M700VS	M700VW	M700	M70V	M70	E70	M800W	M800S	M80	
CNC Memory	PRG	USER	Program name	○	○	○	○	○	○	○	○	○	
	PRM		ALL.PRM	○	○	○	○	○	○	○	○	○	
			AUXAXIS.PRM	×	○	○	×	×	×	×	×	×	
			DEVICENT.PRM	○	○	○	○	○	○	○	○	○	
			SAFEPARA.BIN	×	×	×	×	×	×	○	○	○	
	LAD		USERPLC.LAD	○	○	○	○	○	○	○	○	○	
			SAFEPLC1.LAD SAFEPLC2.LAD	×	×	×	×	×	×	○	○	○	
			PROJECTxx.LAD xx: 01 to Usable project No.	×	×	×	×	×	×	○	○	○	
			DAT		COMMON.VAR	○	○	○	○	○	○	○	○
	TOOL.OFS	○			○	○	○	○	○	○	○	○	○
	TLIFE.TLF	○			○	○	○	○	○	×	×	×	
	SRAM.BIN	○			○	○	○	○	○	○	○	○	○
	WORK.OFS	○			○	○	○	○	○	○	○	○	○
	TOOLMNG.DAT	○			○	○	○	○	○	×	×	×	
	DEVOPEN.DAT	○			○	○	○	○	○	○	○	○	○
	SRAMOPEN.DAT	○			○	○	○	○	○	○	○	○	○
	RNAVI.DAT	○			○	○	○	○	○	○	○	○	○
	TOOLALL.DAT	×			×	×	×	×	×	○	○	○	○
	UPROTECT.BIN	×			×	×	×	×	×	○	○	○	○
	LOG				NCSAMP.CSV	○	○	○	○	○	○	○	○
			ALLLOG.LOG	○	○	○	○	○	○	○	○	○	○
			KEYLOG.LOG	○	○	○	○	○	○	○	○	○	○
			TOUCHLOG.LOG	×	×	×	×	×	×	○	○	○	○
	DS (Note 1)				×	○	○	×	×	×	○	○	○
MEMORY CARD (Note 2)				○	×	×	○	○	○	×	○	○	
HD	NCFILE (Note 3)			×	○	○	×	×	×	○	×	×	

(Note 1) The DS folder refers to the CF card in the control unit for M700VW/M700, the SD card in the control unit for M800W or the SD card in the rear of display unit for M800S/M80.

(Note 2) The MEMORY CARD folder refers to the front side IC card for M700VS/M70V/E70/M70 or the front side SD card for M800S/M80.

(Note 3) The HD/NCFILE folder refers to the "D:\NCFILE" folder in the NC display unit.

2. Installation and Setup

2. Installation and Setup

2.1 Operating Environment of NC Explorer

The system environment necessary for the operation of NC Explorer is shown below.

OS	Windows 7(32bit version) SP1 or better Windows 7(64bit version) SP1 or better Use WOW64 Windows 8/8.1(32bit version) Windows 8/8.1(64bit version) Use WOW64 Windows 10 (32bit version) Windows 10 (64bit version) Use WOW64
Connected NC device	M700VW/M700VS/M70V/M700/M70/E70 Series M800W/M800S/M80 Series

(Note 1) Windows Internet Explorer 6.0 or later is required.

(Note 2) In public network mode, exceptions setting must be made for the Windows Firewall.
When the dialog of Explorer [Windows Security Alert] is displayed, select [Allow Access]
or follow "Appendix 2. Setting Firewall Exceptions" for the registration.

(Note 3) Install NC Explorer on PC logged in by User Account Control.

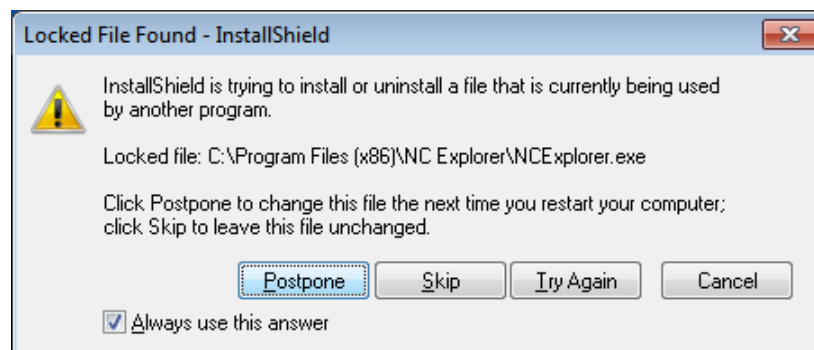
2.2 Installation Procedure

Double-click NCEXplorer.exe and install by following the instruction on the screen.

2.3 Uninstallation Procedure

Uninstall by "carry out from Control Panel", or "double-click NCEXplorer.exe" and follow the instruction on the screen.

(Note) The dialog below displays when uninstallation has started, because NC Explorer is constantly active. Click "Postpone".



3. How to Use NC Explorer

3. How to Use NC Explorer

This chapter explains how to use NC Explorer.

3.1 How to Start NC Explorer

3.1.1 Usual Start-up

NC Explorer starts automatically by starting the host PC.

The icon will display in the indicator area when the activation has succeeded.

The icon that shows failure will display in the indicator area when the activation has failed.

Check the network connection such as cable and duplicated port number.

Double-click the icon ("NC Explorer") on the desktop of Windows after the activation is succeeded.

(Note 1) NC Explorer can not be ended until logoff or the host PC is turned OFF.

(Note 2) The user account control dialog appears when the host PC is turned ON.

(Note 3) When notification by user account control (UAC) is valid permit a change to the computer before double-clicking the icon on the desktop. If you have double-clicked the icon on the desktop before permitting a change to the computer, restart Windows.

Icon	Explanation
	The icon will display in the indicator area when the activation has succeeded.
	The icon will display in the indicator area when the activation has failed.
	The icon will display on the desktop.

3.1.2 How to Start when there are Multiple Network Cards

When the host PC has multiple network cards (such as Cable LAN and Wireless LAN), set a fixed IP address and start.

Set the start argument as follows.

"C:\...NC Explorer\NCEAutoRun.exe" /NIC xxx.xxx.xxx.xxx

(Note) Put a space between ["C:\...NC Explorer\NCEAutoRun.exe"] and [/NIC].

(Note) Put a space between [/NIC] and [xxx.xxx.xxx.xxx].

3. How to Use NC Explorer

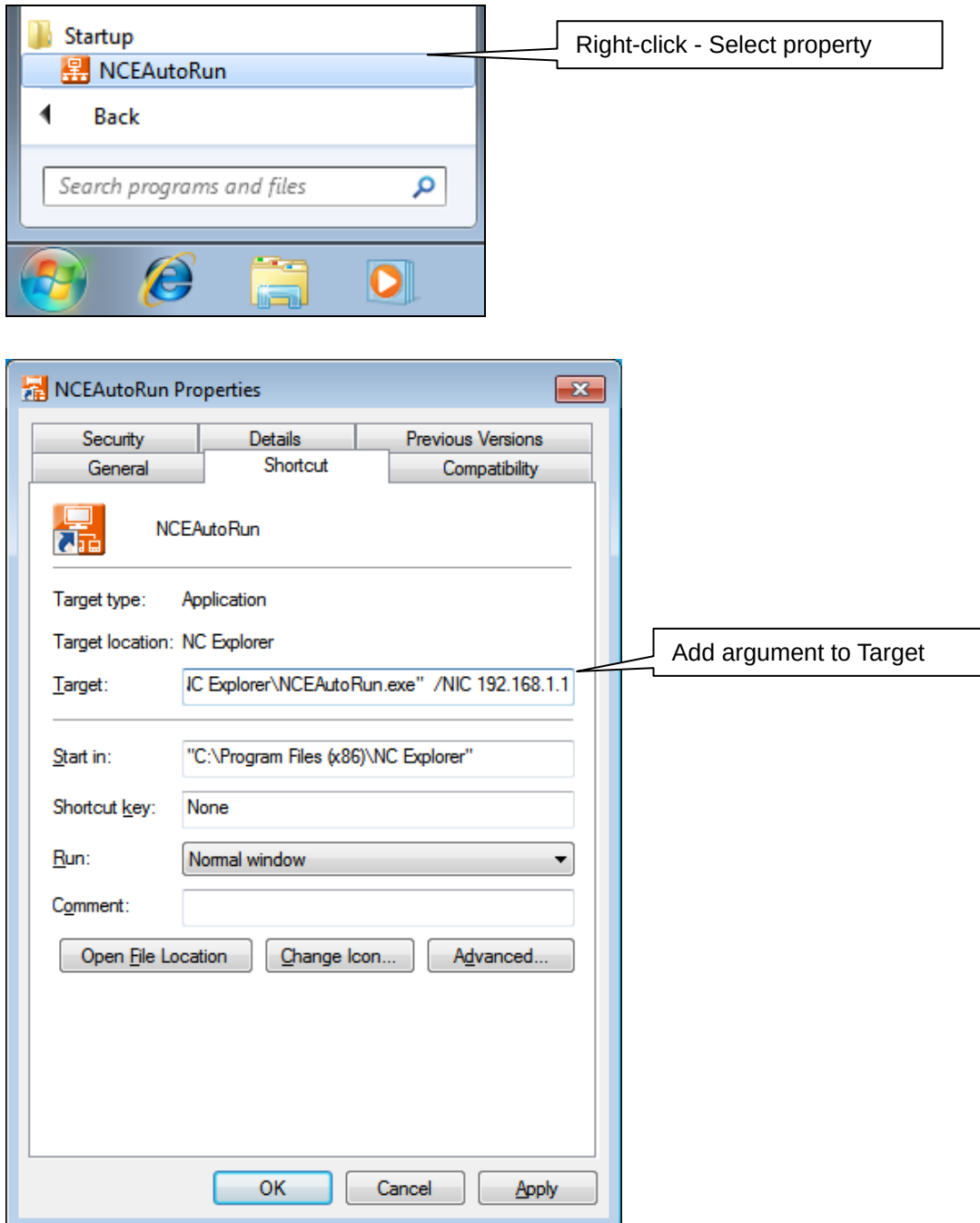
The start argument is applied when the host PC is restarted.

The setting from the last time will be kept until the host PC is restarted.

An error message will display when the IP address set to the start argument does not exist.

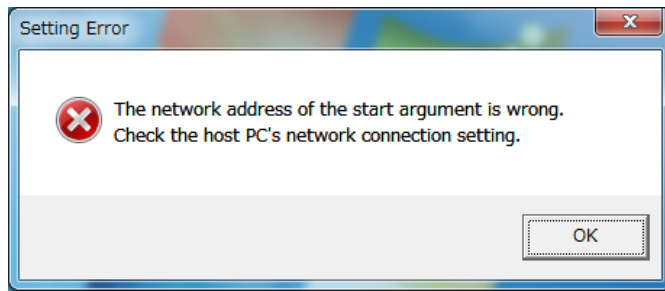
Check the IP address of the host PC when the error message displays.

(Example) When 192.168.1.1 is IP address for the host PC



3. How to Use NC Explorer

Start error message



3. How to Use NC Explorer

3.2 Selecting NC Devices

3.2.1 Searching NC Devices

When the host PC is started up, NC devices on the same subnet with the host PC are automatically searched at every refresh cycle specified by user, and they will be listed under "NC Explorer" of Explorer.

Names of NC devices are displayed in the order of priority as follows.

- (1) Device name registered by user using NC Explorer.
- (2) "NC device name (IP address)" ... (If (1) is not registered.)
- (3) "Serial No. (IP address)" ... (If (1) and (2) are not registered.)

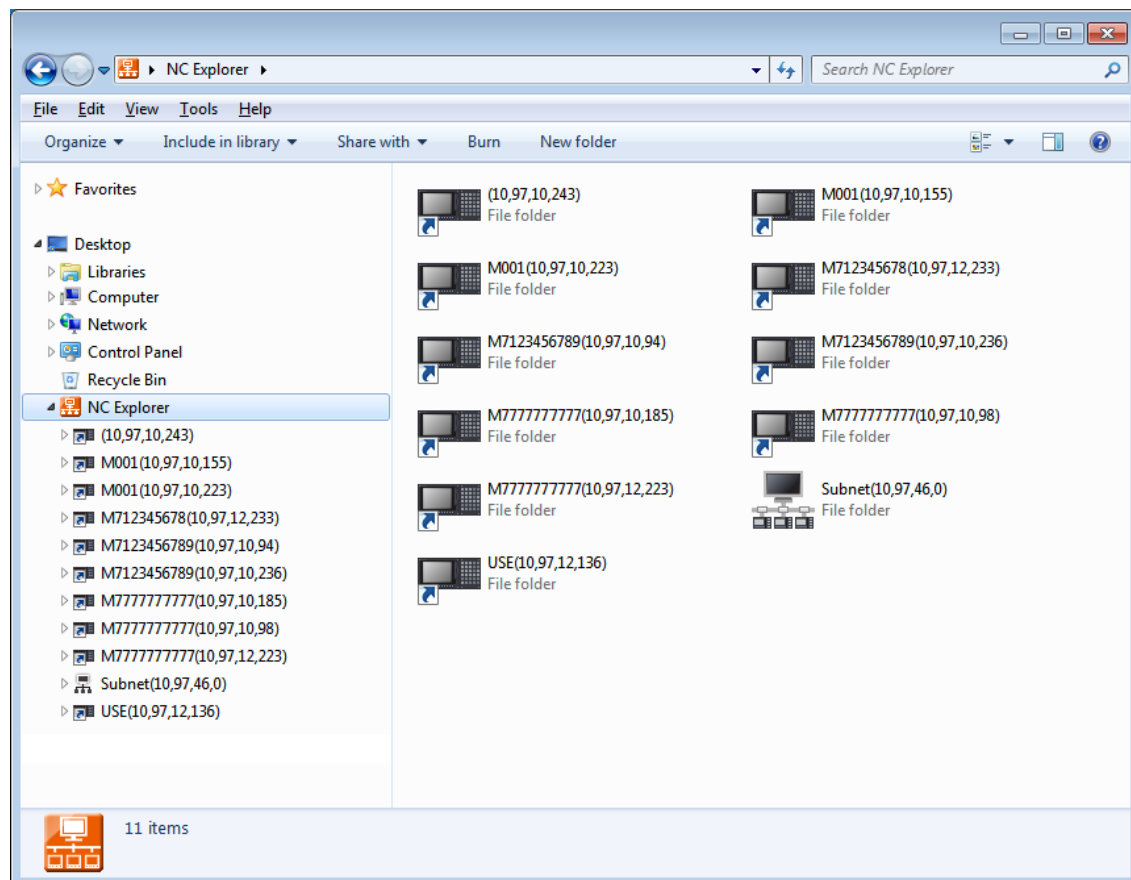


Fig. 3-1 How NC devices are shown

(Note) When the IP address of the NC device has been changed, the NC device is sometimes displayed with the name of the NC device connected before.

When reusing the IP address of NC device, perform the name setting of the NC device again (refer to "3.2.3 Changing Name of NC Device") as necessary.

3. How to Use NC Explorer

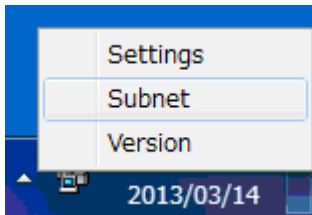
3.2.2 Registering Various Subnets

Set the information of an NC device on a subnet different from that of the host PC.

(Note) Set subnet information is applied when the host PC is restarted.
The display will not change until the host PC is restarted.

Right-click "NC Explorer" in the indicator area and select "Subnet" from the displayed menu.

Follow the instruction on the screen to register, edit or delete the subnet.



3.2.3 Changing Name of NC Device

The name of NC device will be editable by right-click on the editing target NC device and selecting "Rename" from the menu.

(Note) Duplicated name can not be set.

3.2.4 Inputting Password

In order to access the HD of NC device, verification is required.

M700/M700VW Series:

User ID: "Administrator" (Default value)

Password: "CNC" (Default value)

M800W Series:

User ID: "M800" (Default value)

Password: "CNC" (Default value)

(Note) An error message may be displayed when the password is input. In that case, close the error message and access the HD again.

When shipped from the plant, the default value is set.

Contact with your MTB for details.

3. How to Use NC Explorer

3.3 Operating Files

The following operations are enabled on NC Explorer.

- Copying files or folders
- Deleting files or folders
- Changing a file name or folder name
- Creating a new folder

3.4 File Comparison

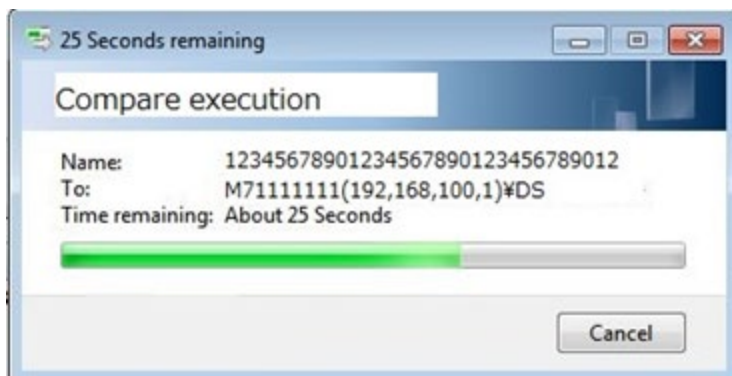
The comparison function compares the file contents between the copy destination and the source after the file is transferred from the host PC to the copy destination NC device.

Enable this function by checking the Option -Compare(from PC to NC) in the setting dialog box to use this function.

Problems such as garbled data or missing data in the copy destination file can be detected by using this function.

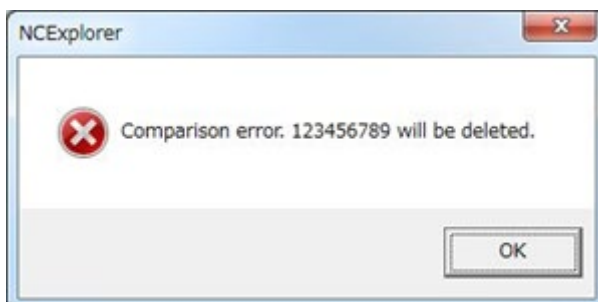
3.4.1 Comparison Status Display

File comparison starts after the completion of file transfer from host PC to the copy destination NC device. The following dialog box is displayed during the comparison. The dialog box will be closed automatically when the file comparison is completed.



When a difference such as garbled data or missing data is detected in the transferred file, the error message will be displayed.

Once you press "OK", the comparison error file of the NC device will be deleted.



3. How to Use NC Explorer

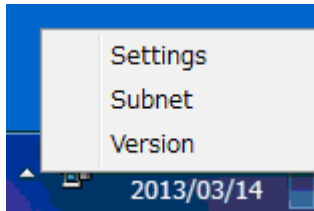
3.5 Setting NC Explorer

You can set start-up setting of NC Explorer and an NC device on a subnet different from that of the host PC.

3.5.1 Displaying Menu

Pop-up menu will display when the icon of NC Explorer in the indicator area is right-clicked.

There are three pop-up menus : "Settings", "Subnet" and "Version".



4. Precautions

4. Precautions

4.1 General

- (1) Files can not be operated during editing or operating the files on CNC_Memory, DS or MEMORY CARD.
- (2) When operating files in the HD of NC device (M700/M700VW), confirm that the file is not being edited or operated so that the warning dialog box will not display.
- (3) If edit lock B, C is set, you cannot carry out a file operation such as copy and delete for a program in CNC_Memory of the NC device.
- (4) If data protection key 1, 2, 3 is set, you cannot carry out a file operation such as copy and delete for each data.
- (5) If the file which has been set as edit lock or data protection key is downloaded to the NC device, the message "An error occurred while copying the file." will be displayed and the download will not be completed.
- (6) There are limitations for folder and file name of machining program saving to NC. For the details, refer to the instruction manual of each series.
- (7) When the object file is under the graphic check, do not delete the file, change the name, or overwrite the file.
- (8) The display may not be updated with some file operations. In that case, update the display (F5).
- (9) If the operation parameter "#8931 Display/Set limit" has been set to "1" or "2" for the connected NC device, the list of files or folders is displayed, however, the file or folder operation cannot be performed.
- (10) When a LAN cable is slipped off, problems that a file cannot be deleted, a temporary file remains, etc., may occurs. If a problem has occurred, turn the power supply of the personal computer or the connected NC ON again.
- (11) On NC Explorer, the update date and time of the files in CNC Memory, DS and MEMORY CARD are displayed in Coordinated Universal Time (UTC).

4. Precautions

4.2 Precautions for Copying File or Folder

- (1) File (Folder) cannot be transferred between NC devices directly. To transfer a file (folder) between NC devices, transfer it to the host PC from an NC device, and then transfer it to the target NC device from the host PC.
- (2) Copy destination file will be deleted when overwrite copying file is canceled.
- (3) Check condition of the NC device to transfer NC data and machining program by NC Explorer to NC device connected to the network. It may cause unintended rewriting of the program.
- (4) When copying over files/folders to the NC device, the overwrite confirmation dialog and upload time calculation dialog appear. To cancel the overwrite copy, cancel the overwrite confirmation dialog first before the upload time calculation dialog. If you have canceled the upload time calculation dialog first, the calculation cancel starts, however, just cancel the overwrite confirmation dialog.
- (5) The file or folder is copied retaining the same name regardless of valid/invalid of the parameter "Delete leading 0" for the connected NC device.
- (6) When an error such as FTP error occurs during copying multiple files, decrease the number of files to be transferred and copy files again.
- (7) When the storage capacity is deficient during copying files, delete the temporary files begin with "~", secure the storage capacity for the files to be copied, and then copy files again.
- (8) When you copy a file into the DS or MEMORY CARD, an error message related to #8931 (Refer to "Appendix 1 List of Messages") may appears although the parameter #8931 of the connected NC device is set to "0", or you may not be able to copy the file properly. In such cases, try formatting the SD card of the connected NC device.

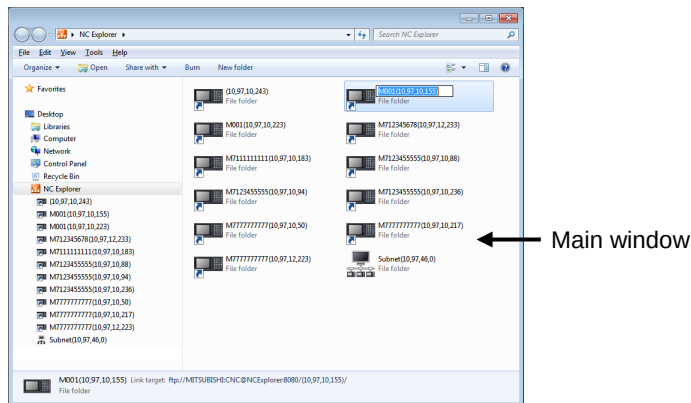
4.3 Precautions for Deleting Folder

- (1) The folders in CNC_Memory cannot be deleted.
- (2) When the target folder contains a file being edited or operated in DS or MEMORY CARD, the folder cannot be deleted. The error dialog appears.

4. Precautions

4.4 Precautions for Changing Folder Name

- (1) The folder name in CNC_Memory cannot be changed.
- (2) When the target folder contains a file being in edit or operation in DS or MEMORY CARD, the folder name cannot be changed. The error dialog appears.
- (3) If you rename any folder in DS, MEMORY CARD or HD in NC device (M700/M700VW/M800W), rename it on the main window of the Explorer.



4.5 Precautions for Creating Folder

- (1) A folder cannot be created with the overlapping folder name.

4.6 Precaution for Executing Comparison

- (1) Error files in NC device that are detected with the file comparison will be deleted.
- (2) The file comparison is carried out only for machining program files in CNC Memory and files in DS, MEMORY CARD and HD folders.
- (3) File names in NC device are displayed as temporary file name "NCE□□□□.tmp" during the comparison. The file names in the NC device will be rewritten to the transferred file name after the comparison is completed.
- (4) Even when the comparison is completed, the temporary file names may remain on NC Explorer. If the display on the NC Explorer is not updated, press the F5 key to update the display.
- (5) Files cannot be copied, cut, and deleted and the file names cannot be changed during the comparison.
- (6) Do not change the NC device name during file comparison. If the NC device name is changed during the comparison, the comparison status will not be displayed properly.
- (7) If multiple files are transferred, both transfer dialog and comparison dialog may appear.
- (8) While multiple files are being transferred, the transfer of the remaining files and comparison will be carried out even when the cancellation button is pressed. It is better not to handle multiple files at a time when using the comparison function.

APPENDIX

Appendix 1. List of Messages

Messages shown during using NC Explorer are as follows.

Message	Contents	Remedy
Cannot copy file/directory. Permission denied.	Failed to copy.	Refer to "4.1 General" and "4.2 Precautions for Copying File or Folder".
Cannot delete file/directory. Permission denied.	Failed to delete.	Refer to "4.1 General" and "4.3 Precautions for Deleting Folder".
Cannot rename file/directory. Permission denied.	Failed to rename file.	Refer to "4.1 General" and "4.4 Precautions for Changing Folder Name".
Cannot create directory. Permission denied.	Failed to create new directory.	Refer to "4.1 General" and "4.5 Precautions for Creating Folder".
File is protected.	Data protection key is valid.	Disable the data protection key.
File is locked.	Edit lock is valid.	Disable the edit lock.
The designated file is being edited.	Editing file.	Save the file or stop editing.
Executing automatic operation.	Program is executing.	Complete the program operation or reset the operation.
Login or password incorrect!	Password is wrong.	Enter the correct password.
User name or password error.	User name or password is wrong.	Enter the correct user name or password.
Login is canceled.	Login is canceled.	Enter a user name and a password from the authentication dialog if you need to login.
The network address of the start argument is wrong. Check the host PC's network connection setting.	Network address of the start argument is wrong.	Designate the correct network address to the start argument.
File save error.	Failed to save log file.	Confirm the access permission to the storage destination.
Failed to detect DS.	Failed to detect DS.	Mount a DS into the NC.
Failed to detect MEMORY CARD.	MEMORY CARD is not found.	Mount a memory card into the NC.
Enter an integer between 1 and 65535.	Entered value is over the setting range of port No.	Set the port No. within the setting range (1 to 65535).
Enter an integer between 1 and 99.	Entered value is over the setting range of update cycle.	Set the update cycle within the setting range (1 to 99).
This work may not be safe when the program is operating or during edit. Do you want to continue?	You attempted to operate the HD folder of the NC device. The program may be being edited or operated.	Press "OK" to continue the operation for the HD folder of NC device or "Cancel" to stop the operation.
You have not selected an item. Please select first.	Subnet address is no selected.	Select the subnet address.
Settings have been changed. Restart or logoff the computer to take the effect.	The settings have been changed. Restart or logoff the computer.	Restart or log off the computer to enable the change.
NC Explorer is uploading or downloading. Do you want to stop NC Explorer?	NC Explorer is uploading or downloading.	Select "Y" to stop the file operation by NC Explorer or "N" to continue the operation.
Connect Error.	Failed to start NC Explorer.	Check the port No.

APPENDIX

Message	Contents	Remedy
The connection with the server was reset.	Failed to transfer file.	Check to see if it is not overloaded.
Comparison error. <File name> will be deleted.	An error occurs on the file comparison. The error file will be deleted.	Try copying the file again. Also, refer to "4.6 Precautions for Executing Comparison".
Comparing this file will be cancelled. Are you OK?	This is the confirmation message to cancel the file comparison. The file comparison is suspended while the message is being displayed. Click the cancel button to restart the file comparison.	Press "OK" to stop the file comparison or "Cancel" to continue it.
Write file error. Please check the memory size.	An error occurs while the file is being written to NC device.	Check the memory size.
Setting operation is restricted. Confirm the setting of the connected NC's operation parameter "#8931 Display/Set limit".	Because the connected NC's operation parameter "#8931 Display/Set limit" is set to other than "0", the directory or file cannot be operated.	Change the setting value of the connected NC's operation parameter "#8931 Display/Set limit" to "0".
PLC is running.	The file transfer cannot be performed during PLC RUN in the connected NC.	Transfer the file after changing the PLC status to "STOP" in the connected NC.
File/Directory name is illegal.	Character(s) that cannot be used in file/folder names are included	Change the file/folder name. Refer to "4.1 General" for the characters can be used.

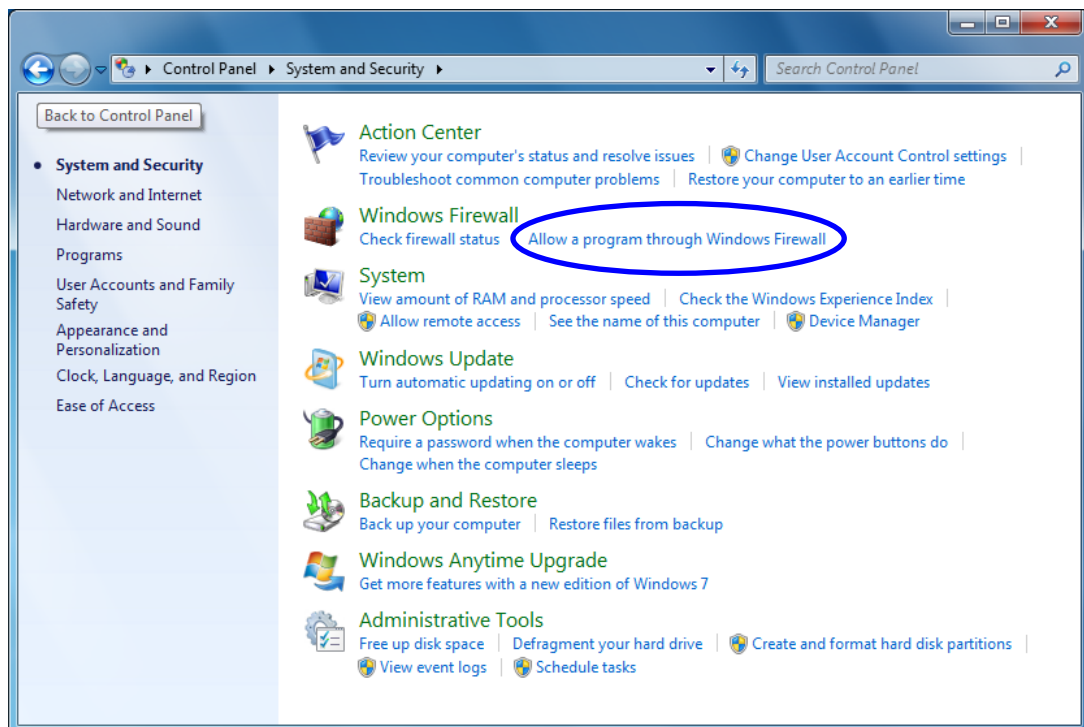
Appendix 2. Setting Firewall Exceptions

Follow the procedure below to register the exceptions for the Firewall function. (This setting can be performed by a user having the administrative right.)

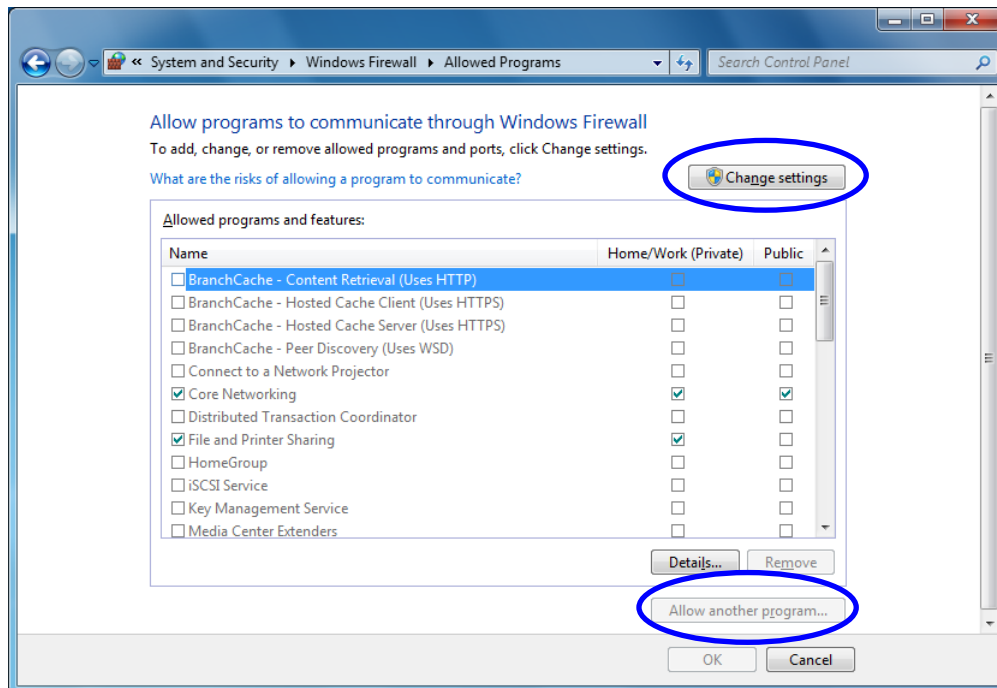
1. Open the [Control Panel].
2. Click [System and Security].



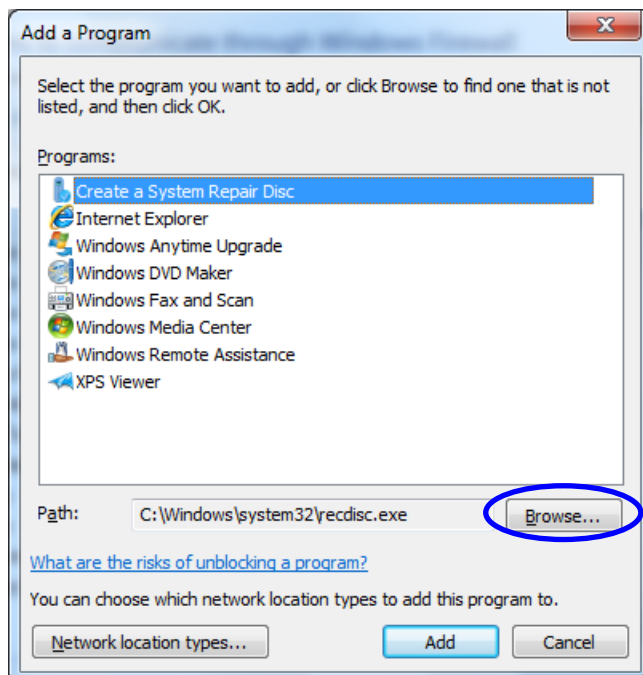
3. Click [Allow a program through Windows Firewall] in the window below.



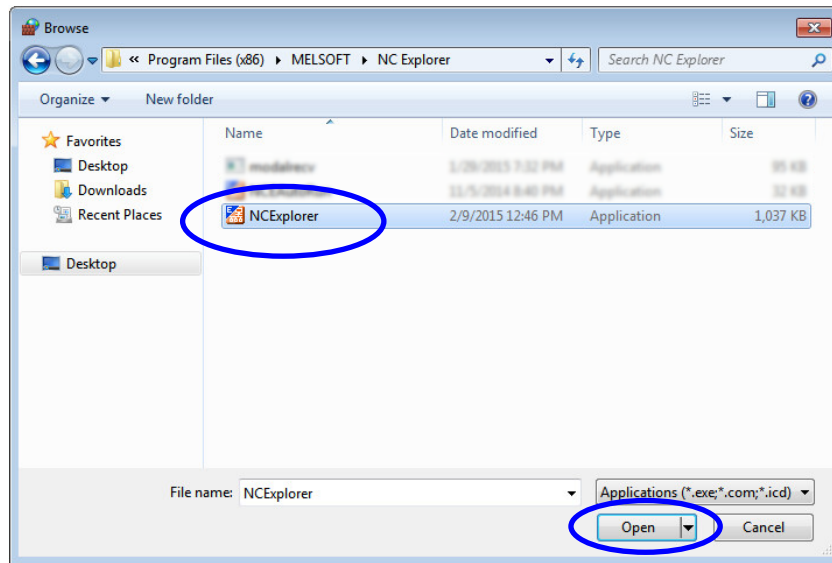
4. Click the [Change settings] button in the window below. The [Allow another program] button will be enabled, and click it.



5. The window below will be displayed. Click the [Browse] button.

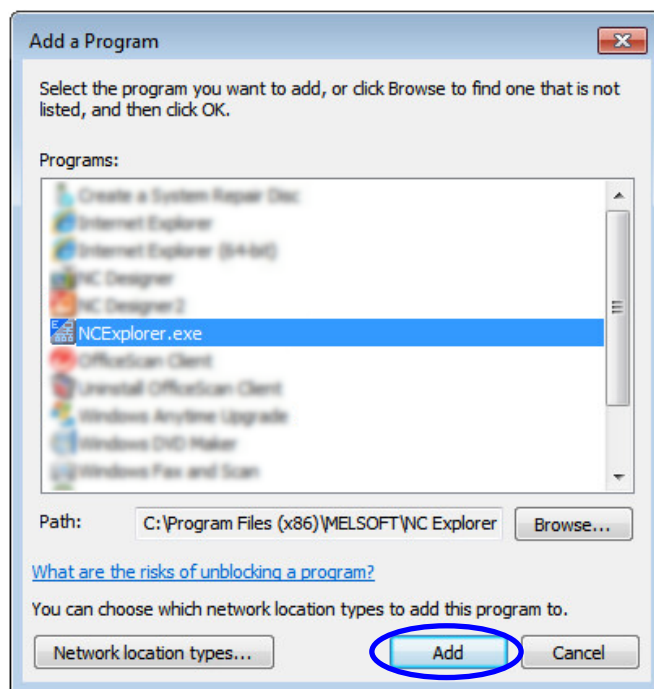


6. The window below will be displayed. Select the execution file to be registered as the exception for the Firewall function, and then click the [Open] button.

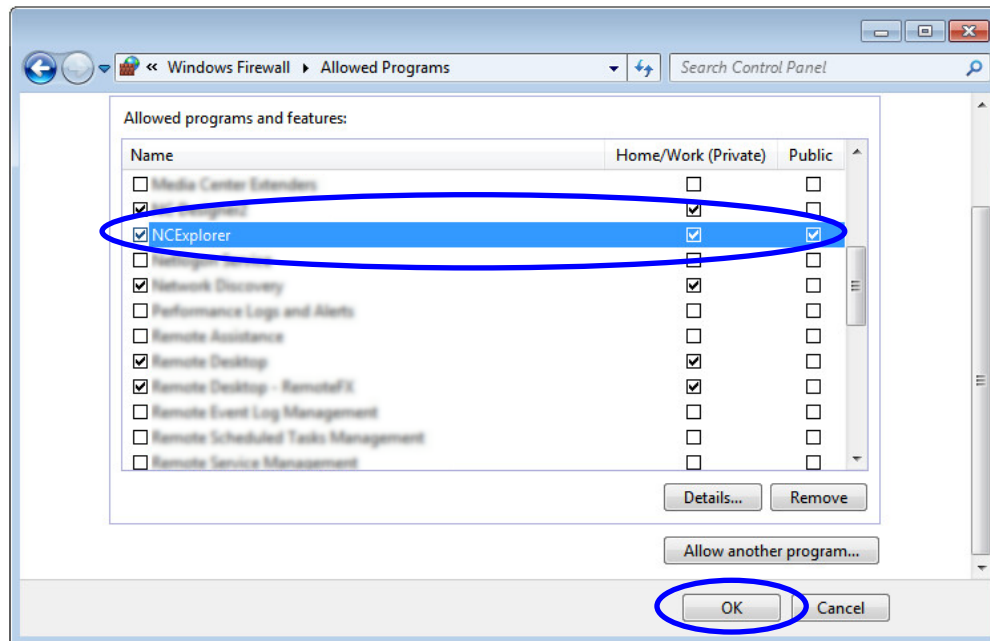


Select "C:/Program Files/MELSOFT/NC Explorer/NCEXplorer.exe" (when the installation destination folder is the default setting).

7. The window below will be displayed again. Click the [Add] button.



8. The window below will be displayed again. Check [Home/Work (Private)] and [Public], and then click the [OK] button.



Appendix 3. Trouble Shooting

Appendix 3.1 When NC Explore is not activated after the installation

If NC Explorer is still remained in the firewall exception setting (Refer to "Appendix 2 Setting Firewall Exceptions") after the uninstallation of NC Explorer, NC Explorer may not be activated after the re-installation. If NC Explorer is already registered as the exception program through Windows Firewall, delete it first, then install it.

Revision History

Date of revision	Manual No.	Revision details
Aug. 2008	IB(NA)-1500904-*	First edition created. (NC Explorer)
Oct. 2009	IB(NA)-1500904-A	Contents were revised to correspond to NC Explorer software version A1. Contents were revised to be compatible with Windows Vista. Contents were revised to correspond to Mitsubishi CNC M700V/70 Series software version F5.
Jan. 2010	IB(NA)-1500904-B	Contents were revised to correspond to NC Explorer software version A2. Contents were revised to correspond to Mitsubishi CNC M700/M70 Series software version F6. Contents were revised to correspond to Mitsubishi CNC M700V/M70V Series software version G0.
Jan. 2011	IB(NA)-1500904-C	Contents were revised to correspond to Windows 7. Contents were revised to support writing CNC memory to DAT folder. - Revised the following chapters. 1.2.2 Screen specification of NC Explorer 2.1 Operating Environment of NC Explorer 3.2.1 Searching NC devices 3.3.6 Operating objects Appendix 1 Message List Appendix 3 Restrictions - Added the following chapter 2.5 Exceptions Settings for Firewall
Jun. 2012	IB(NA)-1500904-D	Contents were revised to correspond to NC Explorer software version A4. Contents were revised to correspond to Mitsubishi CNC M700/M70 Series software version FE. Contents were revised to correspond to Mitsubishi CNC M700V/M70V Series software version H3. - Revised the following chapters. 1.2.1 Device Configuration of NC Explorer 2.1 Operating Environment of NC Explorer 3. HOW TO USE NC EXPLORER 3.2.4 Editing Subnet Information 3.2.5 Deleting Registered Subnet 3.3.1 Copying a File 3.3.2 Deleting a File 3.3.5 Deleting a Folder Appendix 1 Message List Appendix 3 Restrictions
Jul. 2013	IB(NA)-1500904-E	Contents were fully revised to correspond to NC Explorer software version B0.
Mar. 2015	IB(NA)-1500904-F	Contents were revised to correspond to NC Explorer software version C0. Contents were revised to correspond to CNC M800W Series. - Added the following chapters. 3.4 File Comparison Appendix 2. Setting Firewall Exception

Date of revision	Manual No.	Revision details
Jul. 2015	IB(NA)-1500904-G	Contents were revised to correspond to NC Explorer software version C1. Contents were revised to correspond to CNC M800S/M80 Series. - Added the following chapter 4. Precautions - Revised the following chapters. 1.2.3 Data Operated with NC Explorer 2.1 Operating Environment of NC Explorer 3.1.1 Usual Start-up 3.3 Operating Files 3.4 File Comparison Appendix 1. List of Messages
Jul. 2015	IB(NA)-1500904-H	Mistakes were corrected.
Feb. 2016	IB(NA)-1500904-J	Contents were revised to correspond to NC Explorer software version C2. - Revised the following chapters. 1.2.3 Data Operated with NC Explorer 2.1 Operating Environment of NC Explorer 2.2 Installation Procedure 3.1.1 Usual Start-up 4.1 General 4.2 Precautions for Copying File or Folder 4.3 Precautions for Deleting Folder 4.4 Precautions for Changing Folder Name 4.6 Precautions for Executing Comparison Appendix 1 List of Messages - Added the following chapter Appendix 3. Trouble Shooting

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Notice

Every effort has been made to keep up with software and hardware revisions in the contents described in this manual. However, please understand that in some unavoidable cases simultaneous revision is not possible.

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MODEL	CNC Remote Operation Software
MODEL CODE	100-236
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