# Upgrade Information of MPE720 Version 7.24

## **1.Added and Improved Functions**

## 1.1 Ver.7.24Upgrade Information

Items added and features improved from MPE720 version 7.23 to version 7.24 are as follows.

No.	Feature	Classification			
1	267IF-01 (CC-Link Master) module was added.	Add function			
2	The mode 4 was added to the ACCMODE command of Motion Program.	Add function			
3	"Non FD" was added to the setting item of the transmission protocol of 217IF-01 module.	Improvement			
4	The variable auto-registration function of the Ladder program was supported.	Improvement			
5	The copy option of the register comment was supported in the replace function of Ladder editor.	Improvement			
6	The move option of the register comment was supported in the Replace in the Project.	Improvement			
7	The replace function of the motion register was supported in the Replace in the Project.	Improvement			
8	The replace function of Bit type registers has been improved in the Replace in the Project.	Improvement			
9	The export function of variable and comment has been improved.	Improvement			
10	Conversion operation of symbols has been improved.	Improvement			
11	The compatible mode of MPE720 Ver6 of project files were added to the Improvement Setting.				
12	The Register Map function was added to Comment List function.	Improvement			
13	The display improvement of the output log of the Search function was carried out.	Improvement			
14	The improvement of the export and import function of the Tuning panel was executed.	Improvement			
15	The improvement of the sampling period of Real-Time Trace function was carried out.	Improvement			
16	The shortcut key of Ladder program was added.	Improvement			
17	The improvement of operation of the program selection check tree was carried out.	Improvement			
18	The compile operation of Ladder program has been improved.	Improvement			
19	The compile operation of "Compile All Programs" has been improved.	Improvement			
20	The operation of "Open program" of Ladder program has been improved.	Improvement			
21	The input operation of the FUNC command of Ladder program has been improved.	Improvement			
22	The improvement of the "Axis Type Setting" screen of the Axis Setup Wizard function was carried out.	Improvement			
23	The display improvement of the Edit Parameter dialog of Ladder editor was carried out.	Improvement			
24	The improvement of the Search of Ladder editor was carried out.	Improvement			
25	The display improvement of Motion Command of Axis Monitor was carried out.	Improvement			
26	The improvement of saving a project file has been carried out.	Improvement			
27	The conversion operation to a Ver6 compatible project file (extension: YMW) from the compressed file (extension: MAL) of MPE720 Ver5 has been improved.	Improvement			

28	The operation Saving of the SVB module of MC-Configurator has been improved. (PART 1)	Improvement
29	The operation Saving of the SVB module of MC-Configurator has been improved. (PART 2)	Improvement
30	The display improvement of the SERVOPACK version of Servo Parameter screen was carried out.	Improvement
31	The improvement of operation at the time of communication disconnection of a communication platform was carried out.	Improvement

(\*): When MPE720 Ver.7 before MPE720 Ver.7.11 is already installed in Windows Vista and Windows 7, it may not operate for the newest information of the servo model addition by the axial setup wizard function (the newest information added into the database) updated by after MPE720 Ver.7.13.

Please refer to the following page for operating procedures.

## [About the restriction matter when using MPE720 Ver.7 in Windows Vista and Windows 7]

When MPE720 Ver.7 is used in Windows Vista and Windows 7, the following phenomena might be generated.

#### <Phenomena>

When MPE720 Ver.7 before MPE720 Ver.7.11 is already installed in Windows Vista and Windows 7, it may not operate for the newest information of the servo model addition by the axial setup wizard function (the newest information added into the database) updated by after MPE720 Ver.7.13.

### <Measures>

Using a batch file, the following folder is deleted. (\*1) C:¥Users¥UserName(\*2)¥AppData¥Local¥VirtualStore¥Program Files(\*3)¥YASKAWA¥MPE720 Ver7

### Procedure

1. The batch file enclosed by MPE720 Ver.7 installer is copied to a desktop.

[Download Version] MPE720Ver7\_xxx(\*4)¥Tools¥CleanUp¥MPE720Ver7\_x86.bat (32bitOS) MPE720Ver7\_xxx(\*4)¥Tools¥CleanUp¥MPE720Ver7\_x64.bat (64bitOS) [CD Media Version] D(\*5):¥Tools¥CleanUp¥MPE720Ver7\_x86.bat (32bitOS) D(\*5):¥Tools¥CleanUp¥MPE720Ver7\_x64.bat (64bitOS)

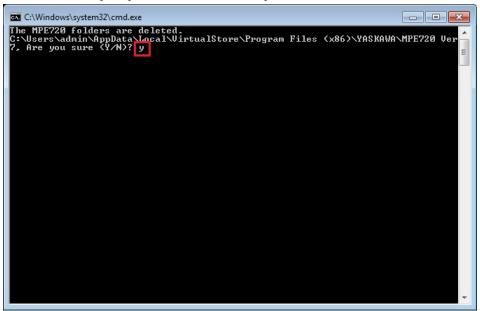
2. The copied batch file is performed.

MPE720Ver7\_x86.bat (32bitOS)

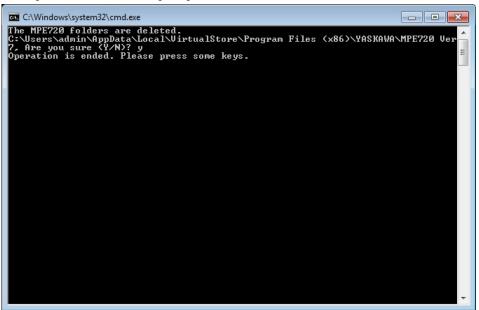
MPE720Ver7\_x64.bat (64bitOS)

💽 🗢 👰 🕨 Control Panel 🕨	System and Security 🕨 System		- 4, Search Con 🔎
Control Panel Home Device Manager Remote settings System protection Advanced system settings	View basic information Windows edition Windows 7 Home Premiur Copyright © 2009 Microso Service Pack 1 Get more features with a n	n ft Corporation. All rights re:	
See also Action Center Windows Update Performance Information and Tools	System Rating: Processor: Installed memory (RAM): System type: Pen and Touch: Computer name, domain, and Computer name: Full computer name: Full computer name: Computer description: Workgroup;	Intel(R) Pentium(R) CPU 4.00 GB (3.68 GB usable) 64-bit Operating System No Pen or Touch Input is	rrience Index needs to be refreshed P6200 @ 2.13GHz 2.13 GHz available for this Display @Change settings

3. "y" is inputted on a command prompt and the Enter button is pushed.



4. The Enter button is pushed on a command prompt after deletion.



- (\*1): When multi-user is using one set of PC, please operate it by each user.
- (\*2): The user account name that logs in enters.
- (\*3): The path changes by OS.

32bitOS: Program Files

64bitOS: Program Files (x86)

- (\*4): The path changes by version.
- (\*5): The path changes by CD/DVD drive.
- (\*6): When an installation path is changed at the time of MPE720 Ver.7 installation, please delete the "MPE720 Ver7" folder which a folder subordinate has below manually according to the installed path.

C:\Users\UserName(\*2)\AppData\Local\VirtualStore

## [About compile of the parallel circuit]

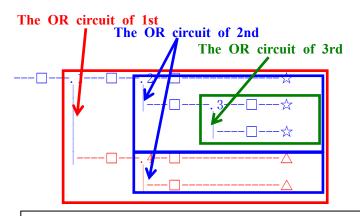
In the Ladder program of MPE720 Ver7 before MPE720 Ver7.23, when the parallel circuit is used, the following phenomena may occur.

### <Phenomena>

When the circuit containing the following pattern was created, there was a phenomenon of operating without receiving the condition that the circuit below the OR circuit of 1st class must operate essentially in response to the conditional instruction before the OR circuit of 1st class.

### <Measures>

When a phenomenon occurs, please carry out re-compile about the Ladder program in MPE720 Ver7 after MPE720 Ver7.24. Or please carry out again "Compile All Programs" of "Compile" menu.



The OR circuit of 1st class: The OR circuit branched from the bus-bar of langue. The OR circuit of 2nd class: The OR circuit branched out of the OR circuit of 1st class.

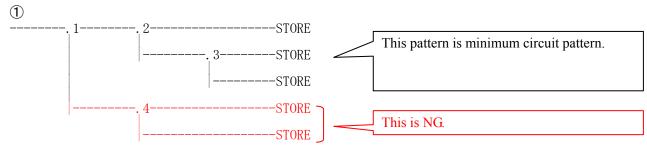
The OR circuit of 3rd class: The OR circuit branched out of the OR circuit of 2nd class.

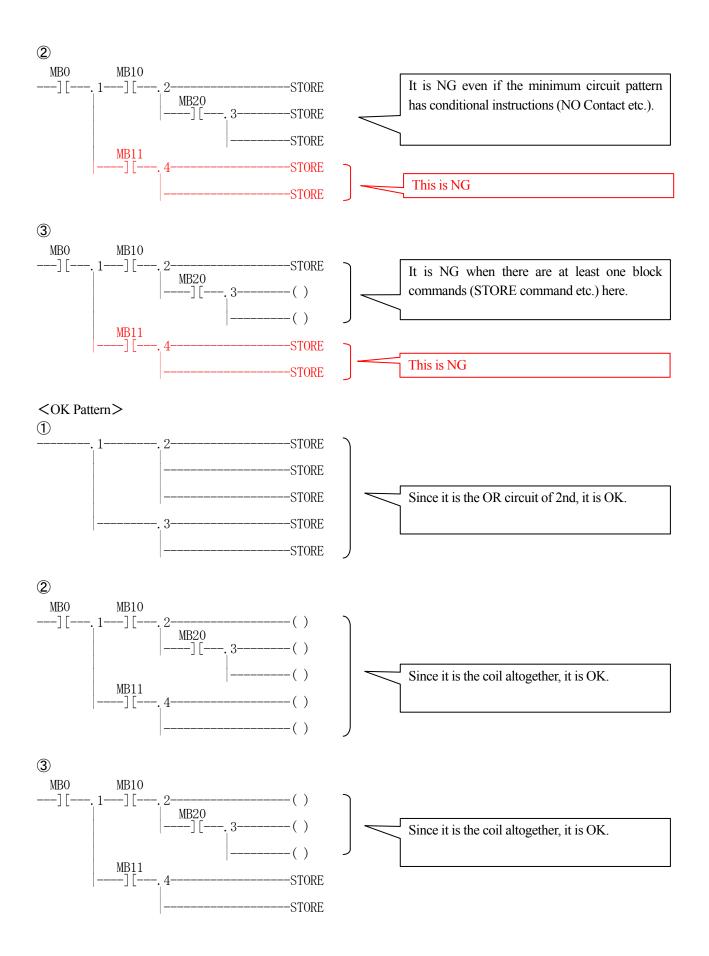
□(Conditional instruction): NO Contact, NC Contact, Coil, instruction(==, !=, >, <), power line (------) etc. ☆(Output instruction): Coil, Block instruction(Expression, STORE, COPYW) etc ※However, when all ☆ is coil commands, a phenomenon does not occur. △(Output instruction): Coil, Block instruction(Expression, STORE, COPYW)etc

### <Pattern>

Symbol	Instruction
][	NO Contact
STORE	STORE instruction
()	Coil

<NG Pattern>





## 1.2 Past Upgrade Information

No.	Upgrade Information	Remarks		
1	MPE720 version 7.11 upgrade information	version 7.10→version 7.11		
2	MPE720 version 7.13 upgrade information	version 7.11→version 7.13		
3	MPE720 version 7.14 upgrade information	version 7.13→version 7.14		
4	MPE720 version 7.20 upgrade information	version 7.14→version 7.20		
5	MPE720 version 7.21 upgrade information	version 7.20→version 7.21		
6	MPE720 version 7.23 upgrade information	version 7.21 $\rightarrow$ version 7.23		

## 2. Description No. 1 267IF-01 (CC-Link Master) module was added.

267IF-01 (CC-Link Master) module was added to the option module with which MP2000 series can be equipped.

Module	Function Module/Slave	Detail - [CC-LINK-M]	Court Barba	-		-	-		1	-		×
01 [MP2200-04] :		File Edit View										
	01 CPU	PT#: CPU#: Detail Definition Comm	unication status   Static	on Status	Circuit Test			CIR#01	00800-	013CF		
00 ( ) CPU-04[]	02 ± SVR	CC-Link Version	110 -					— – Setting range				
	03 218IFC	Transmission Speed	1 OMbps 👻	Output D	ata Refresh C	vole 🔎	Low 🔿 High	No. of bits			0	0/8192
	04 UNDEFINED	No. of retries	3 🗸	System E	rror: Commun		Stop () Continue	No.ofwords (A) No.ofren	note I/O stat	ion	0	0/2048
01 🕒 267IF-01[]	01 CC-Link-M	No. of automatic recove	ries 1 💌	CPU Stop	p: Data Output	•	Clear 🔿 Retain	(B) No. of ren	note device s	tation		0/42
02 UNDEFINED[] 03 UNDEFINED[]				Receptio	n Error: Data I	nput (•	Clear () Retain	(C) No. of loc (16*A) + (544		levice station	0	0/26 )/2304
04 UNDEFINED[]		Slave Allocation										
05 UNDEFINED[] 06 UNDEFINED[]		🗼 Y 🔽 Dis	play Occupied Stations									
06 UNDEFINED[] 07 UNDEFINED[] 08 UNDEFINED[]		ST No.	Station Type		Cyclic Exp ansion	No. of Oc cupied St ations	Data Points	Reserved/Err or immunity	Sending	Receiving	Scan C ycle	No. of words
02 UNDEFINED		01		-	• •	-	•	•			•	
03 UNDEFINED 04 UNDEFINED		02		-	- -	- -	•				* * *	
04 UNDEFINED		•									<u> </u>	
		CC-Link version Select the CC-Link versi If the CC-Link version is stations.		to Ver.1.10	l, stations whe	re a Ver. 2 de	vice has been allocat	ed at Station Type :	for slaves will	be deleted, and	d will be cha	in ged to u
		•				III						F.
		New File										
		For Help, press F1										11.

## [Support Version]

Controller

controller	
Controller	Support Version
MP3200 Series	Unsupported
	(It is due to correspond by future upgrade.)
MP2000 Series	Ver2.86 or later

Option Module

Module	Support Version
267IF-01	Ver1.00 or later

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