

mitsubishi

Error List Manual for General Purpose Personal Computer Tool



Mitsubishi Programmable Logic Controller

Introduction

Thank you for purchasing Mitsubishi Programmable Logic Controller.

This manual provides the information about the error codes that will be issued when using tools. Prior to use, thoroughly read this manual and familiarize yourself with the functions of Mitsubishi Programmable Logic Controller.

Please make sure that the end user of this product be provided with this manual.

Notes
<ul style="list-style-type: none">·No warranty applies to any kind of software on the market which is introduced by Mitsubishi Electric Corporation and applicable to Windows NT.·Mitsubishi Electric Corporation reserves the copyright of the software provided with this product.·None of this manual, in part or full, may be duplicated or reproduced in any form without consent of Mitsubishi Electric Corporation.·The descriptions in this manual are subject to change according to revisions of software and hardware. However, it is not always possible to revise the manual according to such a change, due to conditions and circumstances available.·Principally, one set of the software shall be purchased for each personal computer, with this product.·This product (including this manual) can be used only with a permission for use of the product.·Mitsubishi Electric Corporation is not liable for any kind of result which could arise from the use of this product (including the manual).·The specifications of this product and the contents of this manual are subject to change without prior notice.

Revisions

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

Print Date	※Manual Number	Revision
Sep, 1998	IB-66873-A	First edition
Nov, 1998	IB-66873-B	Model change

This manual does not imply guarantee or implementation right for industrial ownership or implementation of other rights. Mitsubishi Electric Corporation is not responsible for industrial ownership problems caused by use of the contents of this manual.

Contents

Chapter 1 General Description	1 - 1 ~ 1 - 2
1.1 Abbreviations and Generic Names Used in This Manual	1- 1
1.2 General Description	1- 2
Chapter 2 Error Codes Issued when Using MELSEC Data Link Library	2 - 1 ~ 2 - 4
Chapter 3 Error Codes Issued when Using Tags	3 - 1 ~ 3 - 2

Chapter 1 General Description

This manual describes details and handling method of error codes which will be issued when using each utility and library.

1.1 Abbreviations and Generic Names Used in This Manual

Unless expressly stated, this manual explains by using the abbreviations and generic names as listed in the table below.

Abbreviations/Generic Names	Details
CSKP	SW1D5F-CSKP-E Basic Communication Support Tool

1.2 General Description

If an error code is issued when using a utility or function, refer to the descriptions in the chapter as listed in the table below.

Error Source		Chapter
CSKP	MELSECNET/10 Utility	Chapter 2
	Computer Link Utility	
	Ethernet Utility	
	RS-422 Utility	
	Shared Device Server Utility *1	
	Tag Make Utility	Chapter 3
	MELSEC Data Link Library	Chapter 2
Common	Device Monitor Utility	Chapter 2

*1 See Error Viewer, in which error details are also registered.

*2 In the MELSEC data link library, error code of the PLC CPU, the module, and the I/F board is occasionally returned. Please refer to the error list in the manual of the PLC CPU, the module, and the I/F board for the number not displayed in the error list.

2. Error Codes Issued when Using MELSEC Data Link Library

MELSEC

Chapter 2 Error Codes Issued when Using MELSEC Data Link Library

The table below lists error codes which will be issued when using MELSECNET Data Link Library.

Note
Please refer by the error list in the manual of the PLC CPU, the module, and the I/F board used when error code not described to this list returns.

Error Code (Numbers in brackets () are hexadecimal.)	Details of Error	Corrective Action
1	Driver Not Started: Driver has not been started yet. The interrupt number or I/O address of a self card overlaps that of another card.	Correct the error which occurred when the driver is started. Check and correct the setting to the card.
2	Card Response Error: Time elapsed while waiting for an answer for processing a self card.	Check to install the card appropriately. Check if the destination is set as specified, using the utility. If not, correct it.
65 (41)	Channel Error: A channel number not registered is specified.	Check and set a channel number registered.
66 (42)	Error of OPEN Completed: A channel specified has already been opened.	Correct the program so that Open is performed only once.
67 (43)	Error of CLOSE Completed: A channel specified has already been closed.	Correct the program so that Close is performed only once.
68 (44)	PATH Error: A path other than that opened with a line has been specified.	Set the number that was used for opening the path.
69 (45)	Process Code Error: A process code not supported has been issued.	Correct the program so as to use the process code supported.
71 (47)	Error of No Data Received (at a time of RECV request): No data has been received.	Correct the program so as to keep the program waiting until data is received.
77 (4D)	Memory Securing Error: Memory was not available.	Terminates another application being used, since the memory may possibly be short. Check if the system is operating normally as specified. If not, reboot the system.
78 (4E)	Time Lapse Error at Mode Setting: Because time elapsed, the mode setting failed.	Check if the two-port memory overlaps that of another board. If it does, change the setting and reboot the system. The hardware may possibly be in failure, which needs to be replaced.
85 (55)	Channel Number Error (in RECV request): A channel number error has occurred.	Check the channel number at a time the RECV request is made. If it is in error, correct the program.
100 (64)	Local Station Card Is Being Accessed: An access request was made while the local station card is being accessed.	Correct the program so that access is made after assuring a local station card is not being accessed.
101 (65)	Routing Parameter Error: The routing parameter has not been set to the MELSECNET/10 station.	Set a correct routing parameter.
102 (66)	Data Transmission Error: A local station failed to transmit data.	Try to transmit or receive data again. Check if the system is operating normally. If not, reboot the system.
103 (67)	Data Receiving Error: A local station failed to receive data.	
129 (81)	Device Type Error: A device type specified is invalid.	Specify a correct device type.

2. Error Codes Issued when Using MELSEC Data Link Library

MELSEC

Error Code (Numbers in brackets () are hexadecimal.)	Details of Error	Corrective Action
130 (82)	Device Number Error: A device number specified is not in the specification range. A device number is not specified with a multiple of eight.	Check and correct the device number.
131 (83)	Error of Number of Device Points: The number of device points not in the range has been specified. A device number is not specified with a multiple of eight.	Check the number of device points.
132 (84)	Error of Number of Bytes Written: A value not specified in the range has been set as the number of bytes written.	Check and set the number of bytes that can be written in the range specified.
133 (85)	Link Parameter Error: The link parameter at the master station is broken. The total number of slave stations is "0" for the link parameter at the master station.	Correct the link parameter again.
215 (D7)	Error of Receiving Data Length: A data length or byte length of receiving data exceeds that specified in the range.	Check and correct the data length or byte length of the receiving data.
228 (E4)	Link Specification Error: The requested station has set a process code which cannot be processed by local station. (The link module of the requested station checks the process code.)	Check the request station number and correct the process code.
1280 (500)	Memory Access Error for Self Card	Check the switch setting of a self-card and move the memory address to an area which will not be affected by other cards. Change to the 16-bit memory access setting, if the current setting is 8-bit.
1281 (501)	I/O Port Not Accessible	Check and correct the setting of I/O port address. To find an error of the hardware, have a self-loopback test on a card.
40577 (9E81)	Device Type Error: A device type which cannot be processed by local station is specified. (The link module of the requested station checks the process code.)	Check and correct the device type.
40578 (9E82)	Device Number Error: A device type specified for the requested station is not in the range specified. A device number is not specified with a multiple of eight. (The link module of the requested station checks the process code.)	Check the device number.
40579 (9E83)	Error of Number of Device Points: The number of device points not in the range was specified for the request source station. A device type specified for the request source station is not in the range specified.	Check the number of device points.
-1 (FFFF)	Path Error: A path specified is invalid. Or, the communication line specified with the common device server is being downed.	Change a path to the one that is returned with Function mdOpen. The communication line is confirmed when generated by the common device server.
-2 (FFFE)	Device Number Error: A device number designated is not in the range specified. A device number is not specified with a multiple of eight.	Check and correct the head device number in the specified device.
-3 (FFFD)	Device Type Error: A device type specified is invalid.	Check if the device type used corresponds to the one listed in the device type list.

2. Error Codes Issued when Using MELSEC Data Link Library

MELSEC

Error Code (Numbers in brackets () are hexadecimal.)	Details of Error	Corrective Action
-5 (FFFB)	Size Error: Device number and size have exceeded those specified in the device range. Access was made with the odd number of bytes.	Check and correct the size specified.
-6 (FFFA)	Error of Number of Blocks: The number of blocks specified with Function dev[0] of Device Random Read/Write is not in the range specified.	Check and correct the number of blocks specified with Function dev[0].
-8 (FFF8)	Channel Number Error: A channel number specified with Function mdOpen is invalid.	Check and correct the channel number specified.
-12 (FFF4)	Block Error: A block number specified in the extended file register is invalid.	Check the block number (device type) in the extended file register.
-13 (FFF3)	Write Protect Error: A block number specified in the extended file register overlaps that of the write protect area in a memory cassette.	Check and correct the block number (device type) in the extended file register. Check and correct the write protect dip switch on the memory cassette for the destination.
-14 (FFF2)	Memory Cassette Error: A memory cassette is not installed on a PLC CPU accessed, or a memory cassette installed is not the one specified.	Check and replace the memory cassette for the destination.
-15 (FFF1)	Error of Length of Area Read: The size of an area, which is read with the variable of storage array for data read, is small.	Check the size of data read and of where to store the data read.
-16 (FFF0)	Error of Station Number or Network Number: A station number or network number is not in the range specified.	Check and correct the station number or network number specified.
-17 (FFEF)	Error of All-Station or Group Number Specification: A function not supporting the all-station or group number specification is specified.	Check if the function can support the all-station or group number specification.
-18 (FFEE)	Remote Specification Error: A code other than those specified is set.	Check and correct the code specified in the program.
-19 (FFED)	SEND/RCV Channel Number Error: A channel number specified with the SEND/RCV function is not in the range specified.	Check and correct the channel specified.
-21 (FFEB)	Error Occurred with Function gethosbyname(): An error occurred with Function gethostbyname().	Check if the host name specified exists in the HOSTS file. If not, write the host name.
-24 (FFE8)	Time Lapse Error with select (): A time lapse error occurred with Function select ().	Check the server computer if the MGW server service has been started. Check if Ethernet communications can be made normally with the server. If not, check for address setting, cable connection, etc.
-25 (FFE7)	Error with Function sendto (): An error occurred with Function sendto().	Check if communications are affected by noise, etc.
-26 (FFE6)	Error with Function rcvfrom(): An error occurred with Function rcvfrom().	
-28 (FFE4)	Reception of Abnormal Response: A local station received an abnormal response.	
-29 (FFE3)	Oversize of Data Received: A local station received data more than required.	
-30 (FFE2)	Abnormal Programmable Controller Number: A programmable controller number received at local station is abnormal.	

2. Error Codes Issued when Using MELSEC Data Link Library

MELSEC

Error Code (Numbers in brackets () are hexadecimal.)	Details of Error	Corrective Action
-31 (FFE1)	DLL Load Error: Failure of Loading DLL which is required for executing a function	Set up the software again.
-33 (FFDF)	Illegal Access Destination: The setting to a communications destination is illegal.	Use the utility to check if the communications destination has been set as specified. If not, correct it.
-34 (FFDE)	Registry Open Error: The function failed to open a registry.	
-35 (FFDD)	Registry Read Error: The function failed to read a registry.	
-36 (FFDC)	Registry Write Error: The function failed to write into a registry.	
-37 (FFDB)	Error of Communications Initializing Setting: An initial setting for communicating with a self card failed.	Try the setting again and check if communications can be made. Terminate another application in operation because the memory may possibly be short. Check if the system is operating normally. If communications cannot be made, reboot the system.
-38 (FFDA)	Error of Ethernet Communications Setting: An Ethernet communications setting for a self card failed.	Try the setting again and check if communications can be made. Terminate another application in operation because the memory may possibly be short. Check if the system is operating normally. If communications cannot be made, reboot the system.
-39 (FFD9)	Error of COM Communications Setting: A COM communications setting failed.	
-41 (FFD7)	COM Control Error: COM communications cannot be controlled appropriately.	Try to close the port again and check if communications can be made. Check if the system is operating normally. If communications cannot be made, reboot the system.
-42 (FFD6)	Close Error: The communications port of a local station cannot be closed.	
-50 (FFCE)	Exceeding Maximum Value of Open Path: A path already opened exceeds the maximum value (32).	Close some paths which are opened in the program, and set a value which does not exceed 32.
-51 (FFCD)	Exclusive Control Error: An error occurred when performing exclusive control at a local station.	Try to perform exclusive control again. Check if the system is operating normally. If communications cannot be made, reboot the system.
-26336 (9920)	Error of Request for Another Loop: A routing request was made to another loop in the program.	Change a routing destination in the program to AnUCPU or QnACPU.
-26334 (9922)	Card Reset Error: When accessing to another station, a process using the same channel was reset with a card.	Try to access again after assuring that the card resetting has been completed.
-25056 (9E20)	Processing Code Error: A request destination specified a code which a local station cannot process. (Check the link module of a request destination.)	Check and correct the station number and processing code of a request destination.

Chapter 3 Error Codes Issued when Using Tags

The table below lists error codes which will be issued when using tags.

Error Code		Details of Error	Corrective Action
Identifier	Number		
1	-1	A tag file specified is in error.	Choose a tag file created by using Tag Make Utility.
1	-2	Shared Memory Acquisition Failure: Memory is not available for operation because of memory shortage.	Correct the program so that an operation will be performed after terminating another application in operation.
1	-3	Local Memory Acquisition Failure: Memory is not available for operation because of memory shortage.	
1	-4	Resource Acquisition Failure: Obtaining a resource failed.	Memory may possibly be short. Correct the program so that an operation will be performed after terminating another application in use.
1	-5	Wrong Tag Name	Specify a tag name registered as a valid tag in a tag file specified.
1	-6	Thread Creating Failure	Memory may possibly be short. Correct the program so that an operation will be performed after terminating another application in use.
1	-7	Descriptions of registry are in error. Registry information is destroyed.	Reinstall CSKP.
1	-8	A user event is not registered timely as specified.	A user timing having been set is '0'. Correct and set a value as specified.
1	-9	A log timing specified is in error.	A tag specified with a log cannot collect logs by timing less than a second. So, correct the log collecting timing.
1	-10	Collecting Condition in Error	Check and correct the collecting condition.
1	-11	Time Lapse Error of Handshake	Make a setting so that a handshake is established.
1	-12	A tag management process is in error.	Set tag information appropriately.
1	-13	Reloading occurred in a tag management process.	Since reloading occurred in the tag management process, use the program to reload.
1	-14	A buffer size specified is in error.	Specify an appropriate buffer size.
1	-15	A tag not specified with a log is treated as a log tag.	Choose a tag which is specified with a log.
1	-16	A field number specified exceeds the number of tag fields.	Specify an appropriate field number.
1	-17	The number of fields is in error.	Specify a field number and the number of fields read or written, appropriately.
1	-18	The number of fields read or written is in error.	Specify the correct number of fields read or written.
1	-19	An event for a tag which is not always read was waited for.	Specify a tag which is always read.
1	-20	A tag specified is not always collected.	Specify a tag which is always specified.
1	-21	An error event occurred.	
1	-23	Data specified for an event wait is in error.	

3. Error Codes Issued when Using Tags

MELSEC

Error Code		Details of Error	Corrective Action
Identifier	Number		
1	-24	A clock was tried to be read by specifying a PLC CPU which has no function of reading a clock.	Correct the program so that a PLC CPU having a function to read a clock will be specified.
1	-25	Log Data Saving Failure.	The hard disc may possibly be short of vacant capacity. Increase the vacant capacity of the hard disc by deleting unnecessary files, etc.
1	-27	Time elapsed when clock data was being written.	Check if a special device used for writing clock data will allow writing. Write again after ensuring that a special device can be written.

Error List Manual for General Purpose Personal Computer Tool

MODEL	MEL-MID-ERR2-E
MODEL CODE	1LMS37
IB(NA)66873-B(9811)MEE	

 **MITSUBISHI ELECTRIC CORPORATION**

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 International Trade and Industry for service transaction permission.

Specifications subject to change without notice.