For Windows®

CAPS-SERVER

INSTRUCTION MANUAL

取扱説明書

MORI SEIKI
THE MACHINE TOOL COMPANY

WIN-CAPSSERVER

CAPS-SERVER
INSTRUCTION MANUAL

Applicable Model

CAPS-SERVER Specification

Applicable NC Unit

MSX-850	**MSX-502**
MSX-501	**MSX-511**
MSG-803	**MSG-500**
MSG-805	**MSG-501**
MSG-806	**MSG-502**

Before starting operation, maintenance, or programming, carefully read the manuals supplied by Mori Seiki, the NC unit manufacturer, and equipment manufacturers so that you fully understand the information they contain.

Keep the manuals carefully so that they will not be lost.

MORI SEIKI
THE MACHINE TOOL COMPANY

WIN-CAPSSERVER-B5E

CONTENTS

SIGNAL WORD DEFINITION

PREFACE

A: CAPS-SERVER

B: CAPS-DSN

C: TROUBLESHOOTING

INDEX

CONTENTS

A : CAPS-SERVER

1 SETUP. A-1

1-1 Installation A-1

1-1-1 Installing the CAPS-SERVER (PC Operation) Software A-1

1-1-2 Expanding the Language Data. A-4

1-1-3 Initial Setting of the Communication Module A-5

1-1-3-1 Starting the CAPS-SERVER Utility A-5

1-1-3-2 Setting Communications Parameters A-6

1-1-3-3 Log Output Setting. A-8

1-1-3-4 Setting the Data Format. A-10

1-2 Settings A-12

1-2-1 Language Setting. A-12

1-2-2 NC Program Data Size Display Unit Setting A-14

1-2-3 Default Input/Output Folder Setting A-15

1-2-4 Machine Information Setting A-17

1-2-4-1 New Machine Registration. A-18

1-2-4-2 Modifying Machine Information A-21

1-2-4-3 Deleting Machine Information A-24

1-2-5 Default File Name Setting A-25

1-2-5-1 Default File Name Format Setting A-26

1-2-5-2 Default Extension Function A-32

1-3 Settings at MAPPS A-33

1-3-1 Setting TCP/IP Parameters A-33

1-3-2 CAPS-SERVER PARAMETER Screen A-34

1-3-3 Setting CAPS-SERVER Parameters A-39

1-4 Settings at MAPPSII A-42
1-4-1 Setting TCP/IP Parameters A-42
1-4-1-1 How to Display the Setting Screen A-42
1-4-1-2 Basic Network Setting A-45
1-4-2 CAPS-SERVER PARAMETER Screen A-48
1-4-3 CAPS-SERVER FUNCTION BASIC SETTING Screen A-51
1-4-4 CAPS-SERVER DETAIL SETTING Screen A-57
2 COMMUNICATION FUNCTIONS A-61
2-1 Selecting the Communication Target Machine A-61
2-1-1 Selection from the List of Registered Machines A-61
2-1-2 Manual Selection A-63
2-2 Communications Operations A-65
2-2-1 Message Transmit Function A-65
2-2-2 NC Program List Obtaining Function A-67
2-2-3 Individual NC Program Output Function A-70
2-2-4 Individual NC Program Input Function A-75
2-2-5 NC Program Delete Function A-79
2-2-6 All NC Program Output Function A-83
2-2-7 All NC Program Input Function A-87
2-2-8 Conversational Program List Obtaining Function A-91
2-2-9 Conversational Program Output Function A-93
2-2-10 Conversational Program Input Function A-98
2-2-11 Conversational Program Delete Function A-101
2-2-12 Tool File Output Function A-106
2-2-13 Tool File Input Function A-110
2-2-14 Card DNC Area List Obtaining Function A-114
2-2-15 Card DNC Area Communication Target Folder Move Function A-116
2-2-16 Card DNC Folder Create Function A-119
2-2-17 Card DNC Area File/Folder Output Function A-121
2-2-18 Card DNC Area File Input Function A-125
2-2-19 Card DNC Area File/Folder Delete Function A-129

2-3 Communication Interlocks A-133
2-3-1 Common Interlock Options A-133
2-3-1-1 Main Function OFF A-133
2-3-1-2 IP Address Verification. A-133
2-3-1-3 User Verification. A-133
2-3-1-4 Communications with CAPS-SERVER in Progress. A-133
2-3-1-5 MAPPS Input/Output in Progress A-133
2-3-1-6 System Screen Displayed A-133
2-3-1-7 Exclusive Control Function A-134
2-3-2 Restrictions on Individual Functions A-134
2-3-2-1 Message Transmit Function A-134
2-3-2-2 NC Program List Obtaining Function A-134
2-3-2-3 Individual NC Program Output Function A-134
2-3-2-4 Individual NC Program Input Function. A-134
2-3-2-5 NC Program Delete Function. A-135
2-3-2-6 All NC Program Output Function A-135
2-3-2-7 All NC Program Input Function A-135
2-3-2-8 Conversational Program List Obtaining Function A-135
2-3-2-9 Conversational Program Output Function A-136
2-3-2-10 Conversational Program Input Function A-136
2-3-2-11 Conversational Program Delete Function A-136
2-3-2-12 Conversational Parameter Output Function A-136
2-3-2-13 Conversational Parameter Input Function A-137
2-3-2-14 Card DNC Area List Obtaining Function A-137
2-3-2-15 Card DNC Area Communication Target Folder Move Function A-137
2-3-2-16 Card DNC Area Folder Create Function A-137
2-3-2-17 Card DNC Area File/Folder Output Function A-137
2-3-2-18 Card DNC Area File Input Function A-137
2-3-2-19 Card DNC Area File/Folder Delete Function A-138
2-4 MAPPS Safety Functions A-139
2-4-1 Key Input Lock Function A-139

3 MESSAGE DISPLAY FUNCTION A-140
3-1 CAPS-SERVER Messages A-140
3-1-1 Communication Message A-141
3-1-2 Communication Completion Message A-143
3-1-3 Error Messages A-143
4 ERROR MESSAGES A-144
4-1 Error Message Display A-144
4-1-1 Error Message Display Formats. A-146
4-2 Contents of Error Messages A-148
5 MESSAGES AT MAPPS A-154
5-1 Display Items in a Message Box A-155
5-2 Contents of Messages. A-156
6 MESSAGES AT MAPPSII A-158
6-1 Message Screen A-158
6-2 Message Priority Levels A-159
6-3 Message Meanings A-160
6-4 Refresh of "Highest" Priority Level Messages. A-169
6-5 Clearing Messages A-171

CHAPTER B
CAPS-DSN

This chapter gives you the information you need to operate the CAPS-DSN software.

CONTENTS

B : CAPS-DSN

1 SETUP (INSTALLATION AND INITIAL SETTING) B-1

1-1 How to Install CAPS-DSN B-1

1-2 Initial Setting of CAPS-DSN B-4

2 HOW TO OPERATE CAPS-DSN B-6

2-1 Starting CAPS-DSN. B-6

2-2 Operations for CAPS-DSN Communications B-8

2-3 Quitting CAPS-DSN B-9

2-4 Checking the CAPS-DSN Version Information B-10

2-5 Setting Communications Parameters B-11

2-5-1 Port B-12

2-5-2 Time Out B-12

2-6 Log Setting B-13

2-6-1 Log Level B-14

2-6-2 Log File B-14

2-7 File Input/Output Settings B-15

2-7-1 File Path Check B-16

2-7-2 File Overwrite B-16

2-8 IP Address Recognition Function Setting B-17

2-8-1 IP Address Check B-18

2-8-2 IP Address B-18

3 PARAMETER SETTINGS AT THE MAPPS SIDE B-19

3-1 Port Number B-19

3-2 Server Directory B-19

3-3 User ID B-20

3-4 Password. B-20

3-5 Domain Name B-20

4 PARAMETER SETTINGS AT THE MAPPSII SIDE B-21
4-1 Port Number B-23
4-2 Response Waiting Time B-23
4-3 IP Address of Communication Destination B-23
4-4 Communication Destination Directory B-24
4-5 User ID B-24
4-6 Password B-24
5 COMMUNICATION LOG B-25
5-1 Communication Message B-25
5-2 Format for Communication Logs B-26
5-3 Function Codes B-27
5-4 Message Codes B-27
5-5 Example of Communication Log B-28

CHAPTER C
TROUBLESHOOTING

This chapter gives you the information about the items you need to confirm prior to enquiries when you are unable to make a network connection using the CAPS-SERVER or CAPS-DSN functions.

CONTENTS

C : TROUBLESHOOTING

1 COMMON ITEMS C-1
2 CAPS-SERVER. C-2
3 CAPS-DSN C-3