

FUJI UG SERIES PROGRAMMABLE OPERATION DISPLAY



USER'S MANUAL < MEMORY CARD EDITOR>

TYPE: UG00P-MS

Preface

Thank you very much for purchasing the Fuji UG Series UG00P-MS(Memory Card Editor).

This manual explains how to operate UG00P-MS when writing from a PC to a SRAM/CF card, or reading the data from a SRAM/CF card to a PC.

This manual is constructed under the condition that the user would understand all the functions of memory manager, data logging, SRAM cassette/built-in SRAM, and CF card in POD UG series very well. About these functions, refer to the User's Manual <Function> (FEH376).

[Reference]

In addition to this manual, the following manuals on the UG Series are available. Please ask your nearest dealer for the appropriate manuals and read them as required.

Name	Manual No.	Contents
UG Series Manual <operation></operation>	FEH375	Describes the operations available with the UG Series.
UG Series Manual <function></function>	FEH376	Describes the functions available with the UG Series.
UG20 Series Manual <hardware></hardware>	FEH352	Describes the UG20 Sereis hardware specifications.
UG30 Series Manual <hardware></hardware>	FEH377	Describes the UG30 Sereis hardware specifications.
UG230 Series Manual <hardware></hardware>	FEH381	Describes the UG230 Sereis hardware specifications.

[Notes] -

- (1)No part of this manual may be reproduced in any form without prior permission of the publisher.(2)The contents of this manual, including the specifications, are subject to change for improvement without notice.
- (3)This manual was prepared with utmost care. However, if you find any ambiguity, errors, etc., please contact any of our sales offices that are listed at the end of this manual. In so ding, please tell the manual number shown on the cover of this manual.

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• Programmable logic controllers (PLCs) are products of their respective manufacturers.

Record of Revisions

Printing Date	Reference No.	Revised Contents
August, 1999	FEH359	First edition
January, 2003	FEH359a	Second edition Ver. 2.0.0.0 (CF card reading/writing and SRAM cassette reading/ writing, etc.)
February, 2004	FEH359b	Third edition Ver. 2.0.00 (Change in Company name.)

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Outline

Data is transferred between the PLC and the memory card with two UG30/20 series SRAM/CF card functions: memory manager and data logging.

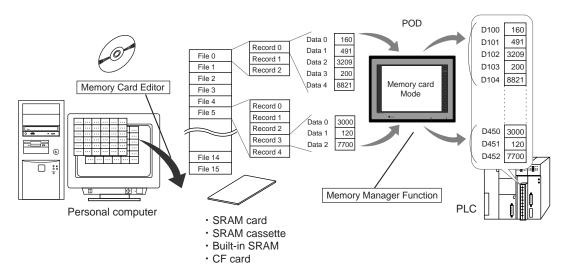
Memory Card Editor is software that allows the user to write data that was entered and edited on a personal computer onto the SRAM/CF card, and also acts as conversion software that reads data saved on the SRAM/CF card and makes it possible for this data to be edited by spreadsheet software etc. The converted data becomes comma (,) delimited CSV data.

Data from Memory Manager

The parameters for machine temperature, pressure, conveyor speed, etc., are allocated in each machine's individual memory card internal record.

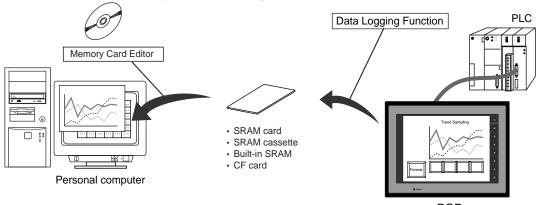
Record names and numerical data within records can be edited with Memory Card Editor as well as with spreadsheet (e.g. Excel).

As the amount of record data to be edited becomes larger and larger, you may find that it is easier to perform editing using application software that you are accustomed to, and then transferring the data to Memory Card Editor.



Data from Data Logging

It is possible to read data accumulated from constant sampling, bit synchronization, bit sampling, alarm display, and temperature control network PLC2Way from the SRAM/ CF card, change this data into a graph using spreadsheet software (e.g. Excel), and edit and manage this software as a product document.

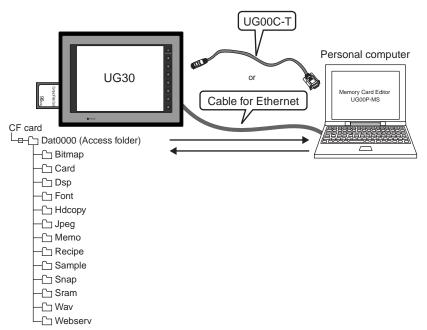


POD

CF Card Supported (UG00P-MS Ver. 2.0.0.0 or later, UG30 only)

* Check that the UG30 has the system program version 1.080 or later. Access to UG320HD (handy type) is not supported.

In the UG30 series, a CF card interface is implemented as standard. For the functions used for a CF card, you need to store the data to the CF card, or import the data in the CF card to a PC. However, in case that your PC does not support the CF card, or that it is difficult to insert/remove the CF card from the UG30, "Memory Card Editor" allows you to read/write the CF card while the CF card is inserted into the UG30 series.

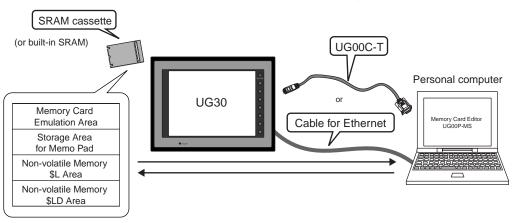


SRAM Cassette/ Built-in SRAM Supported (UG00P-MS Ver. 2.0.0.0 or later)

* Check that the UG20 has the system program version 1.200 or later.

The UG30 and UG20 series are supported for SRAM cassette/ built-in SRAM. For the functions used in these SRAM areas, you need to store the data to the SRAM, or import the data in the SRAM to a PC.

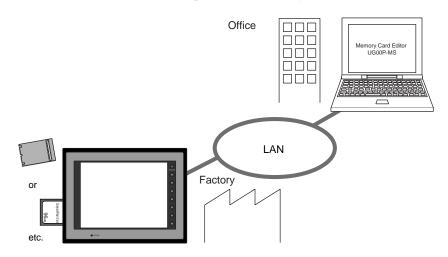
In the previous version, only reading/writing of "Memory Card Emulation Area" in the SRAM area was supported. From Ver. 2.0.0.0, in addition to "Memory Card Emulation Area," the data of "Memo Pad" or "Non-volatile Memory" can be read/written.



Ethernet Communication Supported

* Check that the UG20 has the system program version 1.200 or later. Check that the UG30 has the system program version 1.080 or later when you wish to access a CF card.

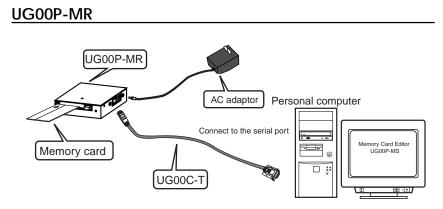
Data transfer by Ethernet communication is supported. If there is a POD system (UG30/20 series) and a PC with the memory card editor installed, high speed data reading/writing on the LAN will be possible. You can check logging data or recipe data, which are on a POD in a remote production site, from your office.



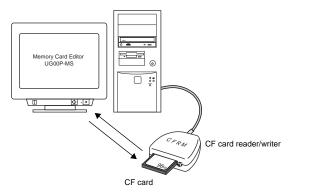
Connecting to a PC

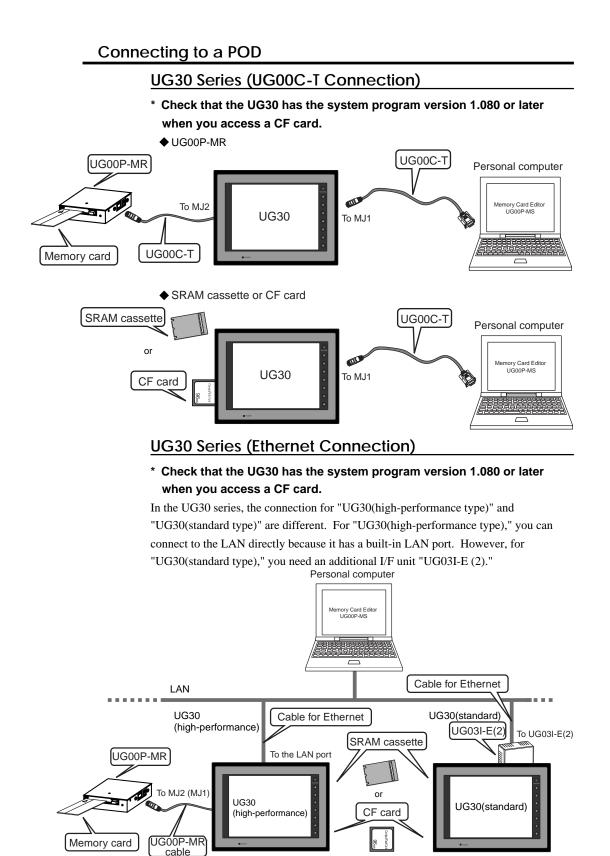
The following shows the connection configuration when SRAM/CF card data created on the POD is read to "Memory Card Editor," or data edited on a PC is written to the SRAM/CF card via "Memory Card Editor."

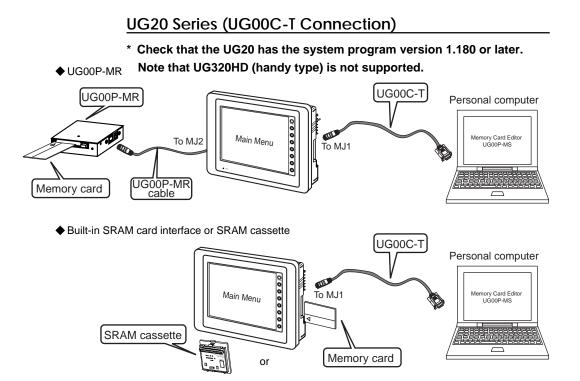
Connecting to a Recorder



CF Card Reader/Writer

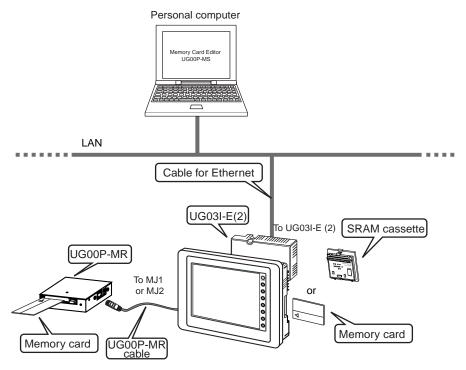






UG20 Series (Ethernet Connection)

* Check that the UG20 has the system program version 1.200 or later.



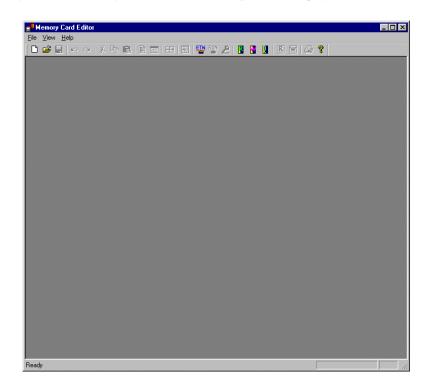
6

Memory Card Editor Notes

When a memory card or CF card is removed or canceled while data is being written to it, the data on that card cannot be guaranteed.

Even if the memory card or CF card is read normally, take into account the fact that the data that is read is inaccurate.

Memory Card Editor Operating Procedures



When you start the memory card editor, the following screen is displayed.

Before starting an operation, make sure what target is to be read/written using the Memory Card Editor. Depending on the target, menu commands selected from the [File] menu will vary.

🛃 Memory Card Editor	
<u>F</u> ile <u>V</u> iew <u>H</u> elp	
Memory Card	• A
<u>C</u> F Card	— В
SRAM(<u>R</u>)	• — c
Communication settings	D
Use <u>E</u> thernet	E
E <u>x</u> it	

A. Memory Card

This menu is for the data stored in the UG00P-MR (UG30/20 series), orbuilt-in memory card type (UG20 series) .

B. CF Card

This menu is for the data stored on a CF card (UG30/UG320HD).

C. SRAM

This menu is for the data stored on a SRAM cassette or the built-in SRAM (UG30 series).

Refer to page 60.

D. Communication Settings

For serial communication (when using UG00C-T), specify the baud rate and the serial port. For Ethernet communication, set the IP address.

E. Use Ethernet

Check this menu when you read/write the data via Ethernet communication.

"A. Memory Card" I Refer to page 41.

"B. CF Card" I Refer to page 46.

"C. SRAM" D Refer to page 60.

[Memory Card]

Usable Memory Cards

An SRAM card or FPROM card can be used for the memory card. The following table shows the difference between the SRAM card and FPROM card:

SRAM	FROM		
Supports the functions of POD memory manager and data logging, and transmission of screen data.	Supports transmission of screen data.		
Data is partially readable and writable at any time.	Data is written and read all together. Data cannot be written or read partially.		
Contains a battery. Replace the battery when it runs out.	No battery replacement is required.		

* The FROM card cannot support any functions of memory manager and data logging.

The following memory cards supplied from Fuji Electric Co.,Ltd. are recommended.

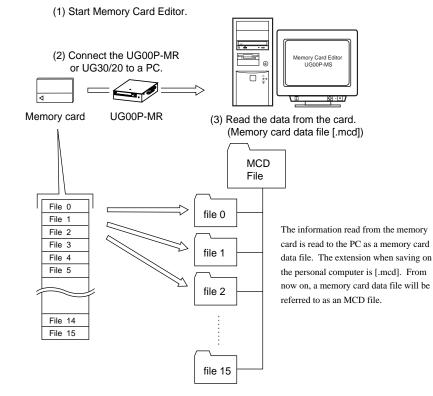
⊖SRAM	
UG00K-S25K(256K)	UG00K-S02M(2M)
UG00K-S51K(512K)	UG00K-S04M(4M)
UG00K-S01M(1M)	
⊖FROM	
UG00K-F25K(256K)	UG00K-F01M(1M)
UG00K-F51K(512K)	UG00K-F02M(2M)

Reading from the Memory Card

Use the data logging or memory manager function to read data stored in the memory card to a personal computer.

Operation Outline

The read procedure is as follows.



1) Before Connecting Memory card to a PC

- 1. Start Memory Card Editor.
- **2.** Set the communication port and baud rate for communicating with a UG00P-MR or UG30/20 with a built-in card. Go to [File], click on [Communication Settings], and set the [Communication Detail] dialog.



communication Detai	×
Serial Port	Baud Rate
COM1	© 9600bps
C COM2	C 19200bps
С СОМЗ	C 38400bps
C COM4	57600bps 57600bps
С СОМ5	C 115200bps
С СОМ6	
C COM7	OK
С СОМ8	Cancel

2) Connect UG00P-MR or UG30/20 with a Built-in Card Interface to the PC

Use a UG00C-T (RS232C cable for screen data transmission) to connect a personal computer to a UG00P-MR (with an AC adapter) that has a memory card inserted in it, or to UG30/20 with a built-in card interface that has a memory card inserted in it.

3) Read from the Memory Card

Co

Click the [Read Memory Card] icon, or select [Read from the Memory Card] from [Memory Card] under the [File] menu.

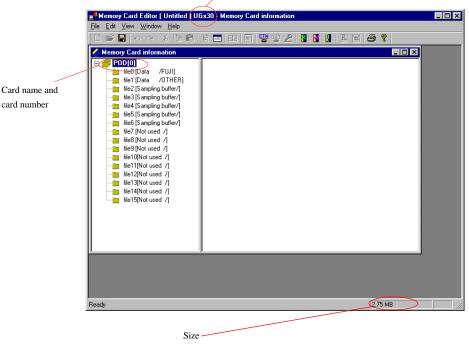
		Memory Card Editor				
(🖪) 🖬 🛄	or	<u>File</u> <u>View</u> <u>H</u> elp <u>M</u> emory Card ►	New			
		CF Card SRAM(R) ►	Open Read from the memory card			
Clicking the [Read Memory		Communication settings Use Ethernet	FIUN mode communication Memory Card format			
Card] icon enables to read		Exit	Memory Card copy			
all the contents of a		- <u>-</u> 24				
memory card.						

The messages "Accessing memory card" and "Receiving from the memory card" are displayed. When reading of the memory card is complete, the [Memory Card Information] window is displayed.

Accessing memory card	Communicating
	Ļ
Memory Card Editor [UnitIed] UGx30 - Memory Card information File Edit View Window Help Memory Card information Memory Card info	
- Im file? [Not used /] - Im file? [Not used /] - Im file?[Not used /] - Im file1[Not used /] - Im file1[Not used /] - Im file1?[Not used /] - Im file1?[Not used /] - Im file1?[Not used /] - Im file1?[Not used /]	
Ready	

◆ [Memory Card Information] Window

Items such as the model and data size are displayed in the [Memory Card Information] window.



When card is selected, the entire memory card size is displayed. When file is selected, the file size is displayed (units: MB/kB/bytes). (1kB = 1024 bytes)

Calculation of File Size

The various file sizes are shown.

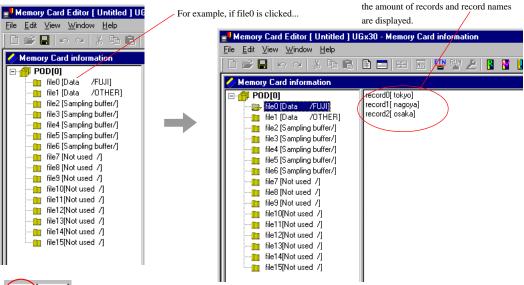
(Unit: bytes) Size Memory Card 1) 2048 Information File size = (Bytes for Records + No. of Data \times 2) \times No. of Records Data File Bit Synchronize File size = (No. of Words X 2 + 4) X No. of Samples Constant File size Sample = (No. of Words \times 2 + 4) \times No. of Samples **Buffering File Bit Sample** File size = 6 X No. of Samples File size Alarm Function = $6 \times \text{No. of Samples} + 30 + \text{No. of Words} \times 16 \times 6 \times 2$ Temp. Control Net. File size 2) /PLC2 = (No. of Words \times 2 + 4) \times No. of Samples

1) Memory card information always uses the byte amount shown above from the memory card top memory address.

2) [No. of Words] is the number of the words used for memory in the [Temp. Network/PLC2Way Table [No.]] set in [No. of Table].

Checking and Editing File Contents

Each file's complete data is contained within the contents read from the memory card. When a you click on a file folder on the [Memory Card Information] window, the record names and sampling forms for that file are displayed on the right.



To check more detailed contents, click the [Data File Edit] icon with the file selected, or double-click on a file. The file's data will be displayed in chart form.

[Data File Edit] icon

For example, if file0 is double-clicked...

the data edit window is displayed.

Image: Memory Card Editor [Unt Eile Edit View Window Image: Memory Card Editor Memory Card Editor Image: Memory Card Editor Memory Card Editor </th <th></th> <th></th> <th>ile0 (FUJI) 땀 딸 ノ</th> <th></th> <th></th> <th>. 🛛 🖉</th> <th>8</th> <th></th> <th><u>- </u> ×</th>			ile0 (FUJI) 땀 딸 ノ			. 🛛 🖉	8		<u>- </u> ×
] ER] a/] a/] a/] a/]	record0[tokyo] record1[nagoya] record2[osaka] a edit File0 [FUJI] 1	/1						
file8 [Not used /]	<u> </u>	Record name	0	1	2	3	4	5	6
file10[Not used /]	0	tokyo	1025	1252	2251	665	1353	575	40
file12[Not used /]	1	nagoya	500	560	510	550	530	570	52
	2	osaka	9999	7777	9999	6666	9999	8888	999
file15[Not used 7]	4								Þ
Ready						B	ecord name	:101	

Depending on the file's type, the contents of the displayed data edit window will vary somewhat.

[Туре											
							Data nu	mber			
	📄 Data ed	lit File0 (F	UJI] 171								
	4										
	F	Record nar	me 🤇	0	1	2	3	4	5	6)
	0 tok	уо		1025	1252	2251	665	1353	575	40	
Record number	1 nag	çoya)	500	560	510	550	530	570	52	
	2 0\$8	ka		9999	7777	9999	6666	9999	8888	999	
Record name											
_											
How to	Change	e the D)isnla	v Dire	oction	of the	Char	t Forn	n in a	Data I	File
How to	-		-	-				t Forn	n in a	Data I	File
How to The verti	-		-	-					n in a		File
	cal displa	ay of a c	data fil	e can b	e char	nged to	the	⊻ie ✓	w <u>W</u> indow <u>T</u> ool Bar		File
The verti horizonta	cal displa	ay of a c . Also,	data file the ho	e can b	e char	nged to	the	⊻ie ✓	aw <u>W</u> indow <u>T</u> ool Bar <u>S</u> tatus Bar		File
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The verti horizonta changed Click [Ch Data edi The disp	cal displa al display, to the ve ange Dis window lay is cha edit File0 [Ay of a c Also, Also, ertical di splay La opened anged w	data file the ho isplay. ayout] i d. vith the	e can b rizonta n the [\ e directi	oe char I displa √iew] r	nged to ay can I nenu w	the be	⊻ie ✓	w Window I ool Bar Status Bar Jump Standardize Options Change disp One line for Display Infor Display Way	Help cell size blay layout met metion of Fir y Setting	st Cause
The verti horizonta changed Click [Ch Data edi The disp	cal displa al display, to the ve ange Dis : window lay is cha edit File0 [] rd name	ay of a c Also, - Also, - ertical di splay La opened anged w FUJI] 1/1 o tokyo	data file the ho isplay. ayout] i d. vith the 1 1 nagoya	e can b rizonta n the [\ e directi	oe char I displa √iew] r	nged to ay can I nenu w	the be	⊻ie ✓	w Window I ool Bar Status Bar Jump Standardize Options Change disp One line for Display Infor Display Way	Help cell size blay layout met metion of Fir y Setting	st Cause
The verti horizonta changed Click [Ch Data edi The disp	cal displa al display, to the ve ange Dis window lay is cha edit File0 [Ay of a c Also, Also, ertical di splay La opened anged w	data file the ho isplay. ayout] i d. vith the	e can b rizonta n the [\ e directi cosaka 9999	oe char I displa √iew] r	nged to ay can I nenu w	the be	⊻ie ✓	w Window I ool Bar Status Bar Jump Standardize Options Change disp One line for Display Infor Display Way	Help cell size blay layout met metion of Fir y Setting	st Cause

[Type: Sampling Buffer]

	Clock d	lata		Data number			
	Data	edit File2 [] 1/3					
	(f) (b) ±	¥					
		Time	0	1	2	3	<u> </u>
	1	12/12 13:41:16	1856	1648	256	128	
	2	12/12 13:41:17	1792	1632	512	96	
No. of Samples (counts)	З	12/12 13:41:18	1792	1616	768	64	
	4	12/12 13:41:19	1856	1600	1024	32	
	5	12/12 13:41:20	2080	1568	1024	0	
	6	12/12 13:41:21	2144	1552	768	32	
	7	12/12 13:41:22	2304	1536	512	64	
	8	12/12 13:41:23	2144	1536	256	96	
	9	12/12 13:41:24	1920	1568	512	256	
	10	12/12 13:41:25	1856	1584	768	128	
	11	12/12 13:41:26	1792	1600	1024	96	_ 1
	1/	10/10/10/10/102	1054	1000	1004		

◆ [Sampling Method: Bit Sampling]

The default status for bit ON/OFF, clock, and relay number is as shown below. The message column is empty.

Bits	Bit status		Clock data Rela		nber M	essages
	Data	edit File4 []	1/3			
	€ .)			/	
		Status	Time	No.	Message	
	1	ON	12/12 13:41:16	10		
	2	OFF	12/12 13:41:16	11		
No. of Samples (counts)	3	ON	12/12 13:41:18	9		
	4	OFF	12/12 13:41:18	10		
	5	ON	12/12 13:41:20	8		
	6	OFF	12/12 13:41:20	9		
	7	ON	12/12 13:41:22	7		
	8	OFF	12/12 13:41:22	8		
	9	ON	12/12 13:41:24	6		
	10	OFF	12/12 13:41:24	7		
	11	ON	12/12 13:41:26	5		_
			10/10 10:41:00			

Follow the procedure below to import messages that are the same as those messages displayed.

- 1. When the data edit window is open, go to [File] and click on [Open Reference Screen Data...].
- **2.** A file specification window like the one below is displayed. Select the original screen data file and click [Open].

		Upen	<u>· · · · · · · · · · · · · · · · · · · </u>
Hemory Card Edito		Look in: 🦳 Data	🖸 🖻 🗹 📰
Close data edit New Oper Save Save <u>A</u> s Open reference scree	Crit+N Crit+O Ctrl+S en gata	Imaguage.U3 U3demo.U3 U3demo.U3 U3demo.U3 U3Fuij.U3 U3Fuij.U3 web.U3	
Read C9⊻ file Cr <u>e</u> ate CSV file Use Et <u>h</u> emet		File name: Files of type: Scree	en Data File (*.U3)

3. Messages applicable to each respective relay number are displayed in the [Message] column of the data edit window.
The corresponding messages are imported.

Dat	a edit File4 [] 1/3			
{{ }}	± ∓				
	Status	Time	No.	Message	_
1	ON	12/12 13:41:16	10	11.Empty Palette Waiting	
2	OFF	12/12 13:41:16	11	12.Carry Roll Position	
З	ON	12/12 13:41:18	9	10.Saddle Up End	
4	OFF	12/12 13:41:18	10	11.Empty Palette Waiting	
5	ON	12/12 13:41:20	8	9.Saddle Up Stop	
6	OFF	12/12 13:41:20	9	10.Saddle Up End	
7	ON	12/12 13:41:22	7	8.Carry Roll Start	
~	ore		~		



The messages for the last file referenced are read. Be sure to reference the original screen data file each time. If different screen data is referenced, it is impossible to import the correct messages.

Changing the Time Display

A [Type: Sampling Buffer] data file always includes a time display.

Default display status is [MM/DD hh: mm: ss], but the display type can be changed freely.

🚽 Memor	Hemory Card Editor [Untitled] UGx30 - Data edit 🛛 File2 []							
<u>F</u> ile <u>E</u> dit	<u>File E</u> dit <u>V</u> iew <u>W</u> indow <u>H</u> elp							
0	다 🎬 🖬 🗠 👋 🖡 💼 📾 🔤 🕎							
Data	🗎 Data edit File2 [] 1/3							
★ IP ±	¥							
	Time	0	1	2				
1	12/12 13:41:16	740	670	100				
2	12/12 13:41:17	700	660	200				
з	12/12 13:41:18	700	650	300				
4	12/12 13:41:19	740	640	400				
5	12/12 13:41:20	820	620	400				
6	12/12 13:41:21	860	610	300				
7	12/12 13:41:22	900	600	200				

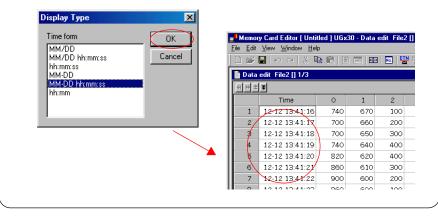
When the sampling buffer data edit window is open, go to [View] and click [Options].

-	I Memory Card Editor Untitled UGx30 - Data edit File2 Fle E€ Vew Vindow Help E E E I → → X Ra E E E E E E										
	📄 Data edit 🛛 File2 [] 1/3										
	★★										
		Time	Time O 1 2								
	1	12/12 13:41:16	740	670	100						
	2	12/12 13:41:17	700	660	200						
	з	12/12 13:41:18	700	650	300						
	4	12/12 13:41:19	12/12 13:41:19 740 640 400								
	5	12/12 13:41:20 820 620 400									
	6	12/12 13:41:21	2/12 13:41:21 860 610 300								
	7	12/12 13:41:22	900	600	200						



A [Display Type] dialog like the one following is displayed. For example, select [MM-DD hh:mm:ss] and click [OK].

The data edit window time display changes as shown below.



Sampling Method: Alarm Function]

The default status for bit ON/OFF (=Occurrence/Cancellation), clock, relay number and message is shown below.

If the message is not shown, read the messages by referring to [Sampling Method: Bit Sampling]. When referring to the screen data, the setting of [Display Way Setting] in the [View] menu (see the next page) is automatically specified according to the setting of the screen data.

Bit	statu	is C	lock data	R	elay number	Messages
		a edit File5 []	1/		/	
	<u> </u>	<u> </u>			/	
		Status	1 Time	No.	Message	<u> </u>
	1	Occurrence	12/12 13:44:53		1.Emergency Stop Conf	trol Box
	2	occurrence	12/12 13:44:53		5. Pusher Trouble	
	3	occurrence	12/12 13:44:53		9.Saddle Up Stop	
	4	Cancellation	12/12 13:44:56		9.Saddle Up Stop	
	5	occurrence	12/12 13:44:59		7. Over Ran Layer	
No. of Samples	6	occurrence	12/12 13:44:59		12.Carry Roll Position	
(Country)	7	occurrence	12/12 13:44:59		15.Carry Roll For. Posit	ion
(Counts)	8	occurrence	12/12 13:45:02		3.Direction Count	
	9	Cancellation	12/12 13:45:05		1.Emergency Stop Conf	trol Box
	10	Cancellation	12/12 13:45:06	2	3.Direction Count	
	11	ancellation	12/12 13:45:06	4	5. Pusher Trouble	
	12	ancellation	12/12 13:45:06	6	7. Over Ran Layer	
	13	ancellation	12/12 13:45:06	11	12.Carry Roll Position	
	14	ancellation	12/12 13:45:06	14	15.Carry Roll For. Posit	ion
	15	occurrence	12/12 13:45:07	2	3.Direction Count	
	16	occurrence	12/12 13:45:07	4	5. Pusher Trouble	
	17	occurrence	12/12 13:45:07	6	7. Over Ran Layer	
	18	occurrence	12/12 13:45:07	11	12.Carry Roll Position	
	10	Occurrence	12/12 13:45:07	14	15.Carry Roll For. Posit	ion 🔽

 View
 Window
 Help

 ✓
 I ool Bar
 ✓

 ✓
 Status Bar
 Jump

 Standardize cell size
 Options...

<u>V</u>iew <u>W</u>indow <u>H</u>elp

Display Information of First Cause Display Way Setting... Display Operate Status...

✓ <u>I</u>ool Bar
 ✓ <u>S</u>tatus Bar
 <u>J</u>ump
 Standardize cell size
 Options...

Display Information of First Cause Display Way Setting... Display Operate Status...

1. When checking the first cause, click [Display Information of First Cause] in the [View] menu. (Refer to the left menu.) The comment "First Cause" shows that it is the first cause as shown below.

{{ }}	王 予 大 大 、 、 、 、 、 、 、 、 、 、 、 、 、								
	Status	Time	No.	Message					
1 (Occurrence(First Cause)	12/12 13:44:53	0	1.Emergency Stop Control Box					
2	Occurrence	12/12 13:44:53	4	5.Pusher Trouble					
з	Occurrence	12/12 13:44:53	8	9.Saddle Up Stop					
4	Cancellation	12/12 13:44:56	8	9.Saddle Up Stop					
5	Occurrence	12/12 13:44:59	6	7.0ver Ran Layer					
6	Occurrence	12/12 13:44:59	11	12.Carry Roll Position					
7	Occurrence	12/12 13:44:59	14	15.Carry Roll For. Position					
8	Occurrence	12/12 13:45:02	2	3.Direction Count					
9	Cancellation	12/12 13:45:05	0	1.Emergency Stop Control Box					
10	Cancellation	12/12 13:45:06	2	3.Direction Count					
11	Cancellation	12/12 13:45:06	4	5.Pusher Trouble					
12	Cancellation	12/12 13:45:06	6	7.Over Ran Layer					
13	Cancellation	12/12 13:45:06	11	12.Carry Roll Position					
14	Consollation	10/10 10-46-06	1.4	15 Corry Doll For Desition					

2. When displaying the operating status, click [Display Operate Status] in the [View] menu. Each condition is displayed on the [Operation Condition] dialog as follows.

×

Operation Condition	
Auto-Run Time	000:00:00
Auto-Run Stop Time	000:12:2
Operation Time	000:12:2
Projected Stop Time	000:00:00
Stop Count	0
Percentage of Operation	0.0 %
COK.]

3. When displaying the same data as the one in UG30/20, click [Display Way Setting] in the [View] menu. The [Display Way of Alarm Function] dialog is displayed. Check [Display by the Specified Way]. The setting items for selection are displayed as follows.

Display Way of Alarm Function	Display Way of Alarm Function
Display by the specified way	Display by the specified way
- Select Display Way	Select Display Way
🗖 Display Only First Cause 🔲 Display Mark for First Cause	Display Only First Cause
Display the deleted alarm	☐ Display the deleted alarm
Display Mode Total Time of Occurrence Display	Display Mode Occurrence Time
Calendar Condition Only Time	Calendar Condition Only Date
Date Display 🔽 🗖 Year 4-digit Display	Date Display MM/DD/YY Year 4-digit Display
Time Display	Time Display
Display Order O Chronological Order O Newest Order	Display Order C C Newest Order
0K Cancel	OK Cancel

When setting these items as same as in UG30/20, the same display is shown in this editor.

Example for setting as follows

Display Mode	Cancellation	
Calendar Condition	Date and Time	
Data Display	MM/DD	
Time Display	hh:mm:ss	
Display Order	Chronological Order	

€ ₩	±Ψ			
	No.	Message	Occurrence Time	Cancellation Time
1	0	1.Emergency Stop Control Box	12/12 13:44:53	12/12 13:45:05
2	4	5. Pusher Trouble	12/12 13:44:53	12/12 13:45:06
з	8	9.Saddle Up Stop	12/12 13:44:53	12/12 13:44:56
4	6	7. Over Ran Layer	12/12 13:44:59	12/12 13:45:06
5	11	12.Carry Roll Position	12/12 13:44:59	12/12 13:45:06
6	14	15.Carry Roll For. Position	12/12 13:44:59	12/12 13:45:06
7	2	3.Direction Count	12/12 13:45:02	12/12 13:45:06
8	4	5.Pusher Trouble	12/12 13:45:07	12/12 13:45:10
9	6	7. Over Ran Layer	12/12 13:45:07	12/12 13:45:10
10	11	12.Carry Roll Position	12/12 13:45:07	12/12 13:45:13
11	14	15.Carry Roll For. Position	12/12 13:45:07	12/12 13:45:13
12	2	3.Direction Count	12/12 13:45:17	12/12 13:45:23
13	5	6.Mid stopper timing	12/12 13:45:23	12/12 13:45:33
14	14	15.Carry Roll For. Position	12/12 13:45:26	12/12 13:45:33
15	15	16.Run out of Empty Palette	12/12 13:45:26	12/12 13:45:33
16	7	8.Carry Roll Start	12/12 13:45:29	12/12 13:45:33

About [Display Mark for First Cause], in UG30/20, "*" shows the first cause. In UG00P-MS, the characters, "First Cause," shows the first cause.

	Information	No.	Message	Occurrence Time	Cancellation Time
1 6	First Cause	0	1.Emergency Stop Control Box	12/12 13:44:53	12/12 13:45:05
2		4	5.Pusher Trouble	12/12 13:44:53	12/12 13:45:06
з		8	9.Saddle Up Stop	12/12 13:44:53	12/12 13:44:56
4		6	7. Over Ran Layer	12/12 13:44:59	12/12 13:45:06
5		11	12.Carry Roll Position	12/12 13:44:59	12/12 13:45:06
6		14	15.Carry Roll For. Position	12/12 13:44:59	12/12 13:45:06
7		2	3.Direction Count	12/12 13:45:02	12/12 13:45:06
8		4	5.Pusher Trouble	12/12 13:45:07	12/12 13:45:10
9		6	7. Over Ran Layer	12/12 13:45:07	12/12 13:45:10
10		11	12.Carry Roll Position	12/12 13:45:07	12/12 13:45:13
11		14	15.Carry Roll For. Position	12/12 13:45:07	12/12 13:45:13
12 F	First Cause	2	3.Direction Count	12/12 13:45:17	12/12 13:45:23
13		5	6.Mid stopper timing	12/12 13:45:23	12/12 13:45:33
14		14	15.Carry Roll For. Position	12/12 13:45:26	12/12 13:45:33
15		15	16.Run out of Empty Palette	12/12 13:45:26	12/12 13:45:33
16		7	8.Carry Roll Start	12/12 13:45:29	12/12 13:45:33

	Information	No.	Message	Occurrence Time	Cancellation Time
1	First Cause	0	1.Emergency Stop Control Box	12/12 13:44:53	12/12 13:45:05
2		4	5.Pusher Trouble	12/12 13:44:53	12/12 13:45:06
з	1	8	9.Saddle Up Stop	12/12 13:44:53	12/12 13:44:56
4		6	7. Over Ran Layer	12/12 13:44:59	12/12 13:45:06
5		11	12.Carry Roll Position	12/12 13:44:59	12/12 13:45:06
6		14	15.Carry Roll For. Position	12/12 13:44:59	12/12 13:45:06
7		2	3.Direction Count	12/12 13:45:02	12/12 13:45:06
. 8	First Cause	2	3.Direction Count	12/12 13:45:07	12/12 13:45:19
9		4	5.Pusher Trouble	12/12 13:45:07	12/12 13:45:10
10	0	6	7.Over Ran Layer	12/12 13:45:07	12/12 13:45:10
1	1	11	12.Carry Roll Position	12/12 13:45:07	12/12 13:45:13
1:	2	14	15.Carry Roll For. Position	12/12 13:45:07	12/12 13:45:13
13	B First Cause	2	3.Direction Count	12/12 13:45:17	12/12 13:45:23
14	1	5	6.Mid stopper timing	12/12 13:45:23	12/12 13:45:33
15	5	11	12.Carry Roll Position	12/12 13:45:26	12/12 13:45:33
16	5	14	15.Carry Roll For. Position	12/12 13:45:26	12/12 13:45:33
1	7	15	16.Run out of Empty Palette	12/12 13:45:26	12/12 13:45:33
18	3	7	8.Carry Roll Start	12/12 13:45:29	12/12 13:45:33

When displaying the messages deleted by the switch [Function: DEL] in UG30/20, check [Display the Deleted Alarm].

The message deleted by the [DEL] switch is displayed.

> When unchecking [Display by the Specified Way], the default condition is displayed. (Refer to upper page 17.)

♦ [Sampling Method: Temp. CTRL/PLC2]

	Clo	ck data		CTRL Network Table [No.]] of [Buffering Area Setting]	
	📄 Data	edit File6 [] 1/1			
	₩ ₩2	E E			
		Time 🤇	0	1	-
	1	12/12 13:41:17	286	280	
	2	12/12 13:41:22	286	280	
No. of Samples (Counts)	З	12/12 13:41:27	286	281	
	4	12/12 13:41:32	286	280	
	5	12/12 13:41:37	286	280	
	6	12/12 13:41:42	286	280	
	7	12/12 13:41:47	286	280	
	8	12/12 13:41:52	286	280	
	9	12/12 13:41:57	286	280	
	10	12/12 13:42:02	286	281	
	11	12/12 13:42:07	286	281	
	1 <u></u> /	10/10/10/10/10	202	201	

Data File Edit

Changing Data

With the Memory Card Editor, it is possible to change data read from the memory card.



Data edit is only possible for a [Type: Data] file (memory manager function). A contents of a [Type: Sampling Buffer] file (data logging function) cannot be changed.

Changing the Data Value/Record Name

When you double-click on the column that you wish to change in the previously opened edit window, the cursor moves to the left corner.

When new information is entered with the keyboard, the contents of the column are altered.

<mark>∎ Dat</mark> स⊮	a edit File0 [FUJI] 1 ≜¥	1/1	When you d	ouble-cl	lick on data 1025 of	record 0, th	e highligh	t display r	noves to th	he left.		
	Record name	0		Dat	a edit File0 (FUJI)	171						
0	tokyo	1025 12										
1	nagoya	500 5										
2	osaka	9999 7;			Record name	0	1	2	3	4		
				0	tokyo	1025	1252	2251	665	13		
				1	nagoya	500	560	510	550	5		
				2	osaka	9999	7777	9999	6666	99		

When "1234" is entered and the return key is pressed, data 1025 becomes "1234."

Dat	Data edit File0 [FUJI] 1/1									
€ >>	± ¥									
	Record name	0	1	2	З	4	5			
0	tokyo	1234	1252	2251	665	1353	57			
1	nagoya	500	560	510	550	530	57			
2 osaka		9999	7777	9999	6666	9999	888			

When the changed record name is not reflected in the [Memory Card Information] window, go to [View] and then click on [Update to Newest Data], and the record name that was changed will be displayed.



Changing the Data Display Form

It is possible to change each column's display type by all, one column, or multiple columns.

To change all, go to [Edit] and click [All Data Format Settings]. When the [Data Format] dialog is displayed, set [Characters], [Decimal Point], and [Words].



To change the format of one column, use the cursor to select the column to change, go to [Edit], and click [Data Format].

	a edit File0 [FUJI] 1	/1							<u>U</u> ndo <u>R</u> edo	Ctrl+Z
≪ ≫	± ¥					Cut	Ctrl+X			
	Record name	0	1	2	З	4			Copy	Ctrl+C
0	RECORD1	1234	1252	2251	665	1353	!		Paste	Ctrl+V
1	nagoya	500	560	510	550	530	!		<u>D</u> elete	
2	osaka	9999	7777	9999	6666	9999	8	(Data <u>f</u> ormat	
									<u>A</u> ll data format s	ettings
									Tjtle edit	

Items such as [Type] are changed in the same way as change all.

Other Editing

 \bigcirc Cut, copy, paste, and delete operations

These operations can be performed easily by selecting the applicable column with the cursor (multiple selections possible), and then going to the [Edit] menu, or by using the right-click menu and then clicking on the desired edit contents.

									. 🗆 ×	4	<u>E</u> dit ⊻
	Dat	a edit File0 [FUJI] 1.		<u>U</u> nd							
E	{ }	± Ŧ									Bed
Γ		Record name	0	1	2	З	4	5	6		Cut
	0	RECORD1	1234	1252	2251	665	1353	575	40		<u>C</u> op
	1	nagoya	500	560	510	550	530	570	52		<u>P</u> ast Dele
	2	osaka	9999	7777	9999	6666	9999	8888	999		~
Γ											Data <u>A</u> ll d



○ Return to undo/redo edit operations

To erase the most recently performed edit operation, click [Undo]. To re-execute an operation that was erased, click [Redo].

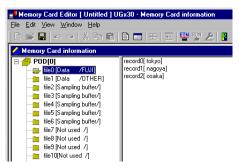
Copying Data Format

The data format specified in the previous setting, " Changing the Data Display Form," can be copied to other file.

The following files can be copied.

Γ	Data	0
	Constant Sample	0
	Bit Synchronize	0
Sampling Buffer	Bit Sample	×
	Alarm Function	×
	Temp. Control Net.	0

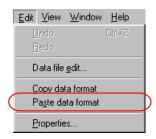
Select the file on the [Memory Card Information] window.



Click [Copy Data Format] in the [Edit] menu.

	<u>E</u> dit	$\underline{V} iew$	<u>W</u> indow	<u>H</u> elp					
		Indo		Ctrl+Z					
	E	ledo							
	Data file <u>e</u> dit								
(<u>C</u> opy data format								
	P	'a <u>s</u> te da	ata format						
	P	ropertie	es						

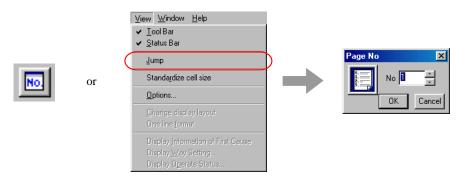
Select the file to format, and click [Paste Data Format] in the [Edit] menu.



Jump Function on Data Edit Sheet

In a data edit sheet, up to 128 data can be displayed on each line/column per one page. If there are some pages in one sheet because of large file size, any page can be displayed quickly by using jump function.

Click the [Jump] icon or [Jump] in the [View] menu. The [Page No] dialog is displayed. Input the page number to be edited.



Changing Row Height and Column Width

To change the cell height or width, move the mouse to the boundary line as shown in the diagram to the right, and then drag the cursor until you reach the desired height/ width.

📄 Data	edit File2 [] 1/3									
(1) ≯ ☆	¥									
	Time	0	1	2	- Data	edit File2 [] 1/3				
1	12/12 13:41:16	1856	1648	25						
ŧ	12/12 13:41:17	1792	1632	5:	<u> </u>	<u>¥</u>				
3	12/12 13:41:18	1792	1616	76		Time	0 🔶	▶ 1	2	3
4	12/12 13:41:19	1856	1600	10:	1	12/12 13:41:16	1856	1648	256	12
5	12/12 13:41:20	2080	1568	10;	2	12/12 13:41:17	1792	1632	512	9
6	12/12 13:41:21	2144	1552	76	З	12/12 13:41:18	1792	1616	768	6
7	10/10 10/11/00	2004	1576	E -	4	12/12 13:41:19	1856	1600	1024	З
					5	12/12 13:41:20	2080	1568	1024	
					6	12/12 13:41:21	2144	1552	768	З
					7	19/12 13:41:22	2304	1536	512	6

To return to the default height/width, click the [Standardize Cell Size] icon, or go to [View] and click [Standardize Cell Size].

or



 View
 Window
 Help

 ✓
 I col Bar

 ✓
 Status Bar
 Jump

 Standardize cell size

 Options...

 Charge display layout

 One line format

 Display layout

 Display Way Setting...

 Display Operate Status...

Title Edit

Title edit can be performed for bit synchronization and constant sampling in the data file and sampling buffer file.

Dat	🗈 Data edit File0 [FUJI] 1/1										
€ .											
	Record name	TITLE1	TITLE2	TITLE3	TITLE4	TITLE5	TITLE6	TITLE7	TITLE8	TITLE9	TITLE 10
0	tokyo	1234	1252	2251	665	1353	575	404	115	586	742
1	nagoya	500	560	510	550	530	570	520	580	758	650

Title Edit Procedure

- When you go to [Edit] and click on [Title Edit], the [Title Edit] dialog is displayed.
- 2) For [Edit], enter the characters that make up the title name.

E	dit ⊻iew <u>W</u>	indow	<u>H</u> elp	Title edit]
	<u>U</u> ndo		Ctrl+Z	0 : Edit	
_	<u>B</u> edo			2	
	Cu <u>t</u>		Ctrl+X	4	
	<u>C</u> opy		Ctrl+C	<u>Setting</u>	
	<u>P</u> aste		Ctrl+V	Delete	
	<u>D</u> elete			from Eile	
	Data format			Copy of title	
	All data form	iat settin	gs		
C	Tjtle edit			OK Cancel	

- 3) Select a number from the list box and click the [Setting] button.
- 4) The characters are set for the specified number.
- 5) To confirm, click the [OK] button. The title is set. To cancel, click the [Cancel] button.
- Multiple items can be selected by using the Ctrl key or the Shift key. The titles for all items selected will be deleted with the [Delete] button.
- It is possible to import titles from comma-delimited text files like a CSV file (e.g.: TITLE1, TITLE2, TITLE3, TITLE4) by clicking the [From File...] button.
- Clicking the [Copy of Title] button and entering the other file number enables the title of the file to be copied.

File Save

To save data that has been changed, go to [File] and click on [Save], or click on [Save As...]. A data file that has been changed is stored as an MCD file.

 $< Example > \underbrace{XXXX}_{/} \underbrace{.mcd}_{Extension}$

	🚽 Memory Card Editor [l	Intitled] UGx							
	<u>File Edit View Window</u>	<u>H</u> elp							
	<u>C</u> lose data edit								
	<u>N</u> ew	Ctrl+N							
	Open	Ctrl+0							
C	<u>S</u> ave	Ctrl+S)						
С	Save <u>A</u> s)						
	Open reference screen <u>d</u> ata								
	Read CS <u>V</u> file								
	Create CSV file								
	Lise Ethernet								

Reading/Writing a File

In case of opening the [Data Edit] window on the Memory Card Editor, only the opened data file can communicate with a memory card.

						[Read	/Write File	e] icon	
🚽 Memory Card Editor [Unl	itled]	UGx30 - Data edit Fi	ile0 (FUJI)	171					_ 🗆 ×
<u>F</u> ile <u>E</u> dit ⊻iew <u>W</u> indow <u>H</u> e	elp								
🗋 🖆 🔚 🗠 🗠 👗	la (2		탐 맨 /	2	ľ 🛯 🕻 🖪	1 🛛) 🕾	9		
Amemory Card information	n					- 🗆 ×	1		
FileD [Data /FUJ]	ER] #/] #/] #/]	[Data edit] window							
file6 [Sampling but	-	a edit File0 [FUJI] 1/	/1					_	
file7 [Not used /]	44 14								
file9 [Not used /]	<u>191</u> 22	Record name	3	4	5	6			
file10[Not used /]	0		0	1 1252	2 2251		4	575	40
file11[Not used /]	-	tokyo			510		530		52
file13[Not used /]	1	nagoya	500	560		550		570	
file14[Not used /]	Z	osaka	9999	7777	9999	6666	9999	8888	999
file15[Not used /]	1								P
, Ready						R	ecord name	[10]	

File Reading

- 1. Click the [Read File] icon 🔳 or [Read File] of [File] menu.
- **2.** Read only the data from the file to be edited.

File Writing

- **1.** Click the [Write File] icon **⊠** or [Write File] of [File] menu.
- **2.** Transfer only the file data to be edited to a memory card.

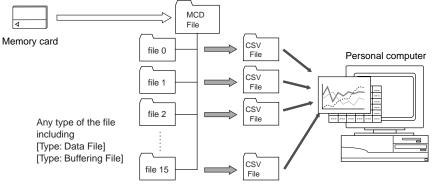


When the edited file is [Type: Sampling Buffer], only reading is available. Writing is unavailable.

Creating and Reading a CSV File

Creating a CSV File

It is possible for each MCD file (both [Type: Data] and [Type: Sampling Buffer]) to be written separately as CSV files.



1. When you double-click on the desired file from the MCD file directory, the [Data

Edit] window opens.

	Eile Edit View Window Help			T		
Double-click on file	Memory Card information PDD(0) PDD(0) Field Data /FUJI] Field Data /FUJI] Field Data /TUJI] Field Sampling buffer/1 Field Sampling buffer/1	Sampling Method : C				
		Time 1 12-12 13:41:16 2 12-12 13:41:17 3 12-12 13:41:18 4 12:12 13:41:19 5 12-12 13:41:20	0 1 740 670 700 660 700 650 740 640 820 620	200 300 400	3 80 60 40 20 0	-
		6 12-12 13:41:21 7 12-12 13:41:22 8 12-12 13:41:23 9 12-12 13:41:24 10 12-12 13:41:25 11 12-12 13:41:26 12-12 13:41:26	860 610 900 600 860 600 780 620 740 630 700 640	200 200 200 200 200 200 200 200 200 200	20 40 60 100 80 60	Ţ
	Ready					W.P. //

2. When you go to [File] and click on [Create CSV File...], a diagram like the one below is displayed. Specify a name and click [Save].

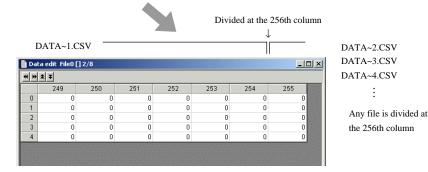
134	? ×
Savejn: 🔁 Data 🔽 🖻 📝 📑 🗐	
File pane: Save Save as type: CSV file (*.csv) Cancel	
	File game: Save Save as type: CSV file (*.csv) Zancel

[] Make a File in 256-Column Format]

This setting is effective when the data count in a data file is 256 or more. When you save the data in a CSV file and edit it with Excel, only 256 columns can be displayed. If the data count is 256 or more, you cannot open the CSV file with Excel. If you check this item and save the file, the CSV file will be created automatically from "(the desired file name) ~1.CSV" with the available number of columns (= data count).

e H	± ¥									
	Record name	0	1	2	3	4	996	997	998	999
0	Record 0	0	0	0	0	0	0	0	0	0
1	Record 1	0	0	0	0	0	0	0	0	0
2	Record 2	0	0	0	0	0	0	0	0	C
3	Record 3	0	0	0	0	0	0	0	0	C
4	Record 4	0	0	0	0	0	0	0	0	0

[Data count: 1000] + "Record name" column = 1001 columns



[Give a Title]

Using the memory card editor function, each title in a data file can be edited. Check this box if you save the title as data when saving in a CSV data.

H	- ± Ŧ					
	Record name	DATA A	DATA B	DATA C	DATA D	DATAE
0	TEMP	23	21	22	24	20
1	INPUT	1001	1010	1002	1002	1006
2	SET	255	255	256	1024	1023
3	CHANGE	336	223	2365	23	223
4	MOVE	1000	1002	1005	1000	992
5	BACK	0	2	0	0	0
6	REGULAR	500	522	521	521	551

E	<u> </u>	1icrosoft Excel - A.c	sv					
1000		<u>Eile E</u> dit <u>V</u> iew	Insert Fo	rmat <u>T</u> ools	<u>D</u> ata <u>W</u>	(indow <u>H</u> el	р	
101001	D	🖻 🛃 🎒 🗠	- 🍓 Σ	- 21 🛍	? »	Arial	-	10 👻
A1 👻 🏂 Record name								
Γ		A	В	С	D	E	F	G
	1	Record name	DATA A	DATA B	DATA C	DATA D	DATA E	
Γ	2	TEMP	23	21	22	24	20	
Γ	3	INPUT	1001	1010	1002	1002	1006	
Γ	4	SET	255	255	256	1024	1023	
Γ	5	CHANGE	336	223	2365	23	223	
Г	6	MOVE	1000	1002	1005	1000	992	
Γ	7	BACK	0	2	0	0	0	
	8	REGULAR	500	522	521	521	551	
Γ	9							
	10							
	11							

3. Specify the file name and click [Save].

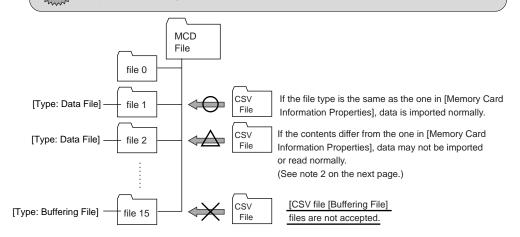
The data file currently open is saved as a CSV file.

Reading from a CSV File

It is possible to read a CSV file into an MCD file.

<Note 1>

Reading is possible only for [Type: Data] data files. ([Type: Sampling Buffer] files are write-prohibited files.)



1. When you double-click on the desired file from the MCD file (although this must be a file of [Type: Data]), the [Data Edit] window opens.

Hemory Card Editor [Untitled] UG	x30 - Data edit F	ile0 (FUJI)	171					- □ >	
<u>File E</u> dit <u>V</u> iew <u>W</u> indow <u>H</u> elp									
Hemory Card information					_ 🗆 ×	I			
File0 [Data /FUJ]] File0 [Data /OTHER] File1 [Data /OTHER] File2 [Sampling buffer/] File3 [Sampling buffer/] File5 [Sampling buffer/] File5 [Sampling buffer/]	record0[tokyo] record1[nagoya] record2[osaka] dit File0 [FUJI] 1/	/1					-		
	5								
file9 [Not used /]	Record name	0	1	2	З	4	5	6	
	kyo	1025	1252	2251	665	1353	575	40	
	igoya	500	560	510	550	530	570	52	
	aka	9999	7777	9999	6666	9999	8888	999	

2. When you go to [File] and click on [Read CSV File...], a dialog like the one below is displayed.

<mark>≂,</mark> Me	emory Card Editor []	Untitled] UGx		CSV				<u>? ×</u>
	<u>E</u> dit <u>V</u> iew <u>W</u> indow ose data edit	<u>H</u> elp		Look in: 🔁		•	🗈 💣 🎫	_
<u></u> <u></u> S;	ew perr ave ave <u>A</u> s pen reference screen d	Ctrl+N Ctrl+O Ctrl+S		MMM.csv TEST.csv				
B	ead CS <u>V</u> file eate CSV file)	File <u>n</u> ame:			<u>O</u> pen	1
	se Et <u>h</u> ernet <u>U</u> N mode communication ommunication options			Files of type:	CSV file (*.csv)		Cancel	
B	ead file					🔲 Give a title		

[] Give a Title]

Using the Memory Card Editor, each title in a data file can be edited. If you check this item and import a CSV file, the top line of the CSV file will be recognized as a title.

- **3.** Specify the CSV file to be imported and click [Open].
- **4.** The contents of the specified CSV file are written in the data file. To save the imported information, save the MCD file using [Save] or [Save As...].

	Memory Card Editor [Untitled] UGx30 - Data edit File0 [FUJ1] 1/1	×								
	<u>File Edit View Window Help</u>									
The contents change	Card information Card									
	Record name 0 1 2 3 4 5 6									
	file7 0 MOLD1 99 985 100 17 66 575 404									
	file9 1 MOLD2 99 975 100 17 77 570 520									
	mille1(2 MOLD3 99 965 100 16 88 8888 9999									

If the larger value of the decimal point than the specified value is set in a cell, the value is ignored. Also, the larger number of the characters than the specified number is entered, the number is ignored.

<Note 2>

When data format of CSV file to be read is different from the data format at the import destination, there are instances when the contents of the CSV data are not read normally.

For example, when you import a CSV file [Type: Sampling Buffer] into the data file, the data is imported forcibly and inaccurately into [Record Name] and other data.

名 ま										
	Record name	0	1	2	З	4	5			
0	12-12 13:4	740	670	100	80	1353	575			
1	12-12 13:4	700	660	200	60	530	570			
2	12-12 13:4	700	650	300	40	99	88			

Data Exchange between UG00P-MS and Spreadsheet (e.g. Excel)

In order to write the data in UG00P-MS to other software such as Excel, or write the data in Excel to UG00P-MS, it is necessary to convert the data into CSV file.

<e.g.>

- To write the data in UG00P-MS to Excel
 - 1) Create and save a CSV file in UG00P-MS by referring to "Creating a CSV File" previously described.
 - Start Excel, click [Open] from the [File] menu and select [Text Files (*.prn, *.txt, *.csv)] in [File of Type].
 - 3) Select the file created in step 1) and click [Open]. Excel starts to read the data from UG00P-MS.
- ◆ To write the data in Excel to UG00P-MS
 - Click [Save As ...], select [Save as Type:] in [CSV (Comma delimited) (*.csv)], and save the file in Excel.
 - Start UG00P-MS, and read the data from Excel by referring to "Reading from a CSV File" previously described.
- ◆ In addition to the above method, the data can be exchanged by copy and paste commands. In this case, the data type is limited similar to the CSV file format. Refer to <Note 1> and <Note 2> on page 28 to 29.
 - 1) Drag the area to copy on the data file of UG00P-MS, and copy it.
 - 2) Start Excel, and paste the data on Excel.

王 王 王 王 王 王 王 王 王 王 王 王 王 王 王 王 王 王 王 											
	Record name	0	1	2	З	4	5	6	7	8	9
0	tokyo	1025	1252	2251	665	1353	575	404	115	586	742
1	nagoya	500	560	510	550	530	570	520	580	758	650
2	osaka	9999	7777	9999	6666	9999	8888	9999	5555	4444	7777

3) Also, it is possible to copy the data on Excel, and paste it on UG00P-MS.

M	licrosoft Ex	cel - Book1		
	<u>File E</u> dit <u>V</u> i	ew <u>I</u> nsert	F <u>o</u> rmat <u>T</u> ool	s <u>D</u> a
	🖻 🖬 🔒) 🖨 🛍	10 v 🍓	, Σ
	A1	-	=	
	A	В	С	
1				
2				
3				
4				
5				

_	

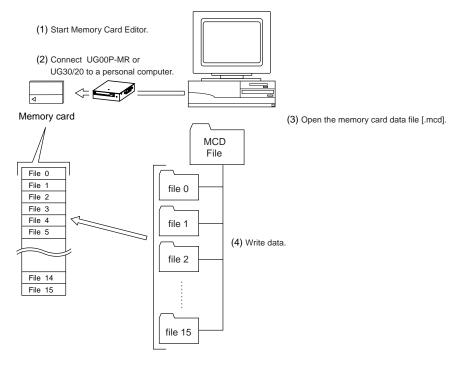
🔣 M	Kicrosoft Excel - Book1									
Eile Edit View Insert Format Iools Data Window Help										
🗅 😅 🖬 🚑 🎒 🋍 💀 🗸 🍓 Σ ≉ 🛃 🛍 🙄 🔅 Arial										
	A1 💌 = tokyo									
	Α	В	С	D	E	F				
1	tokyo	1 0 2 5	1252	2251	665	1353				
2	nagoya	500	560	510	550	530				
3	osaka	9999	7777	9999	6666	9999				
4										
5										
6										

Writing to the Memory Card

After editing is completed, write the MCD file, which includes the data file, onto the memory card.

Operation Outline

The write procedure is as shown below.



1) Before connecting the memory card to a PC

- 1. Start Memory Card Editor.
- **2.** Set the baud rate for communicating with UG00P-MR or UG30/20 with a built-in card interface. Go to [File] and click on [Communication Settings...], and then set the [Communication Detail] dialog.

	Communication D
Bemory Card Editor	- Serial Port-
<u>File View H</u> elp	COM1
Memory Card	C COM2
<u>C</u> F Card	С сомз
SRAM(<u>R</u>)	C COM4
Communication settings	С сом5
Use <u>E</u> thernet	С СОМ6
Exit	C COM7
	С сомя

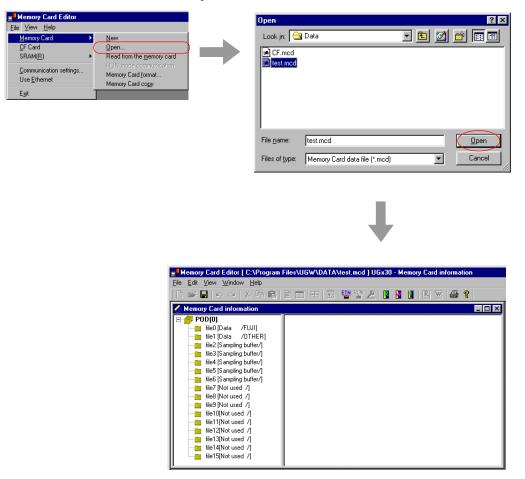
Communication De	tail 🔀
Serial Port	Baud Rate
• COM1	C 9600bps
C COM2	C 19200bps
С СОМЗ	C 38400bps
C COM4	57600bps
C COM5	C 115200bps
С СОМ6	
C COM7	OK
C COM8	Cancel

2) Connecting UG00P-MR to a PC

Use a UG00C-T (RS232C cable for screen data transmission) to connect a personal computer to a UG00P-MR (with an AC adapter) with a memory card inserted in it, or to UG30/20 with a built-in card interface with a memory card inserted in it.

3) Open an MCD file

Specify the MCD file to be written on the memory card by going to [File], [Memory Card] and then click [Open].



When this is done, the MCD file is open. (The name of the MCD file that is open is displayed above the editor title bar.)

4) Write data on the memory card

Write MCD file contents onto the memory card.

When the MCD file format is the same as the format of the memory card inserted into UG00P-MR, writing takes place immediately.

When the format is different, confirm whether or not you wish to format the memory card and write.

 Click the [Write Memory Card] icon, or go to [File] and click on [Write to the Memory Card].

or

All the data of MCD file can be written by clicking the [Write Memory Card] icon.



If the formats agree, a dialog like the one below indicating writing in process is displayed.

When the dialog disappears, this is an indication that MCD file contents have been written onto the memory card.

Communicating 🛛 🔀	1	Communicating	×
Accessing memory card	-	Transmitting to the memory card	Cance

2. When the formats disagree, a window like the one below is displayed.

	Attention			<u><</u>
	If you continue to input	[Header information] wi	ll be modified. OK?	
	Display memory card in	fo Write	e Cancel	
When you click here	1	When you	ı click here, data i	s written after the
		memory c	ard is formatted.	
Display memory card i	nformation		×	
7 8 Memory Card 0	9 10 11 12 1 2 3	13 14 4 5	15	
Card name POI)			
Card number 0				
Format Type	x30			
		[Close	

The memory card contents that were copied are displayed.

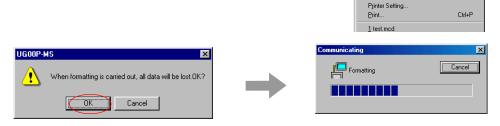
Formatting and Copying the Memory Card

Memory Card Formatting

Formatting is performed after opening the MCD file in the editor and formatting the memory card with the same contents as the MCD file.

However, the MCD file card names, file names, record names, and data contents cannot be written on the memory card.

- **1.** Connect the UG00P-MR to a personal computer.
- **2.** Insert the memory card to be formatted into the UG00P-MR.
- **3.** Start Memory Card Editor and open the MCD file.
- **4.** Go to [File] and click on [Memory Card format...].
- **5.** A warning message like the one shown below is displayed. When [OK] is clicked, the next dialog is displayed.



When the dialog disappears, this is an indication that the memory card and the MCD file are now in the same format.

A memory card which saves the screen data can not be copied.

Memory Card Copying

Copying from one card to another is possible.

As long as they fall within the acceptable current use capacity range, it is possible to copy between an SRAM card and an SRAM card, an SRAM card and an FROM card, and an FROM card and an FROM card.

(For example, if only 256k are being used on a card with a 1M capacity, it is possible to copy on to the 256k card.)

- **1.** Connect the UG00P-MR to a personal computer.
- **2.** Start Memory Card Editor.
- **3.** Go to [File], [Memory Card] and click on [Memory Card Copy].
- **4.** A confirmation dialog like the one below is displayed. Insert the memory card to be copied from into the UG00P-MR and click [OK].

🚽 Memory Card Editor	
<u>File View H</u> elp	
Memory Card	New
<u>C</u> F Card	<u>O</u> pen
SRAM(<u>R</u>)	Read from the memory card
Communication settings	RUN mode communication
	Memory Card format
Use <u>E</u> thernet	Memory Card copy
Exit	
E≚it	

<u>File Edit View Window H</u>elp

Open reference screen data.

Read from the memory card Write to the memory card...

UN mode communication

Memory Card format.

Display memory card information. Communication settings...

Edit model selection.

Use <u>E</u>thernet

Save

Save As.

Ctrl+S



5. After a dialog like the one shown below is displayed, the confirmation dialog will be displayed again. This time, insert the memory card that will be copied to into the UG00P-MR and click [OK].

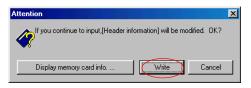
Check

6. If the capacity of the card that will be copied to is inadequate, the following message

is displayed and copy is canceled.



7. If the capacity of the card that will be copied to is adequate but the format information varies from the card that is copied from, the following dialog is displayed. If you go ahead and click [Write], copy is executed.



Other Setting Items

Checking Memory Card Information

From Editor, it is possible to check the contents of the memory card that is inserted into the UG00P-MR currently connected to a personal computer.



When you click the [Memory Card Information] icon or go to [File] and click on [Display Memory Card Information...], the dialog shown below will appear after a few moments.



Check contents by switching between the tab windows for file numbers 0 to 15.

Momory Card Editor [Uptitled]]		Display memory card information
Bernard Editor [Untitled] U File Edit View Window Help New Qr Open Save As Open reference screen data Edit model selection Read from the memory card Write to the memory card Write to the memory card Use Ethernet	N	7 8 9 10 11 12 13 14 15 Memory Card 0 1 2 3 4 5 6 Card name POD
RUN mode communication		Close

[Properties] icon



After selecting a file,

display the [Memory

Properties] with Shift

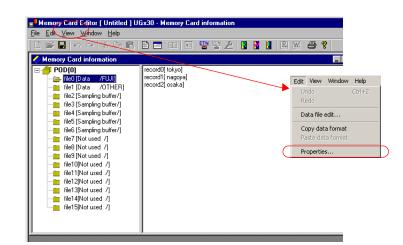
Card Information

key + Enter key.

Changing the MCD File Type (Properties)

It is possible to change an MCD file's card name, file name, records, and data, among other things.

Select a card name or file in the [Memory Card Information] dialog, click the [Properties] icon, or go to [Edit], and click on [Properties].



The [Memory Card Information Properties] dialog is displayed.

Items like the ones below can be changed on the [0] to [15] tab window.

Memory Card informatio	on Properties	х
8 9 Memory Card 0	10 11 12 13 14 15 1 2 3 4 5 6 7	
Туре	Data	
File name	FUJI	
No. of Records	3 Use Temp. Control Net /PLC2	
No. of Data	10 Transfer Mode	
Bytes for Record Name	Data only Data + Record Name	
	OK Cancel Apply	

[Card Name] and [Card Number] can be changed on the [Memory Card] tab window.

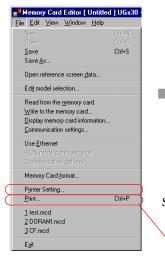
Memory Card inform	nation Properties			×
8 9 Memory Card	10 0 1	11 12 2 3	13 4 5	14 15 6 7
Card name	POD			
Card number				
			DK Car	ncel <u>Apply</u>

Printing

It is possible to print directly from Memory Card Editor.

[Printer Setting]

When you go to [File] and click [Printer Setting...], a [Print Setup] dialog like the one below is displayed.



e lugo	ook lot 690C Sori	ee Printer		Properties
,		estinitei		Liopence
-				
	skJet 690C Serie	es Printer		
ere: LPT1:				
ment:				
er			- Orientation	I
: A4 (2	10 x 297 mm)	-		Portrait
rce: In Tra	y	•		C Landscape
	us: Ready e: HP De ere: LPT1: iment: er : A4 (21	us: Ready e: HP DeskJet 690C Serie are: LPT1: iment: ar :: A4 (210 x 297 mm)	us: Ready e: HP DeskJet 690C Series Printer ere: LPT1: imment: er :: A4 (210 x 297 mm)	us: Ready e: HP DeskJet 690C Series Printer ere: LPT1: iment: er : A4 (210 x 297 mm)

Set printer model, paper size, and paper orientation here.

[Print]

When you go to [File] and click [Print...], a [Print] dialog like the one below is displayed.

Print >
Print area
Memory Card information
✓ Data edit sheet
Page Setting Left Margin(mm) 20 × Right Margin(mm) 0 ×
Upper Margin(mm) 25 😴 Bottom Margin(mm) 🛛
✓ Header C:\Program Files\UGW\DATA\test.mcd
Footer
I Page No. C Left C Center C Right Font Size 10 ▲
OK Cancel

After you specify the print area and machine settings here and click [OK], printing takes place.

Creating a New MCD File

It is also possible to create a new MCD file on the editor instead of reading from the memory card.

1. When you click the [New] icon or go to [File], [Memory Card] and click [New], a confirmation dialog like the one shown below is displayed.



2. When you click on [Yes] and specify the screen data file that will be used as the source file, that setting is referenced and the MCD file format is automatically determined.

Check	Open	? 🗙
Reference screen data?	Look in: Data 520CEB_V230.U2 Manguage.U3 MCD_cardIF_e.U2 MCD_cardIF_e.U3 MCD_cardIF_e.U3 MCD_cardIF_e2.U3 MCD_cardIF_e2.U3 MCD_cardIF_e2.U3 MCD_cardIF_e2.U3 McD_ardIF_e2.U3 Meb.U3 Meb.U3	
	File name: Files of type: Screen Data File (*.U3,*.U2)	 Cancel

3. When you click on [No], the [Edit Model] dialog is displayed. Select the model to connect to and click [OK].



4. The [Memory Card Information Properties] dialog is displayed. Set each setting item and the [Memory Card Information] dialog is displayed.

Memory Card inf	ormatior	n Properti	es				×
8 Memory Card	9	10 1	11 2	12	13 4	14 5 6	15
Card name	Until	led					
Card number	0	÷					
-						OK	Cancel

Set the necessary items.

Ethernet Connection

When connecting to the UG30/20 series which supports Ethernet communication, it is possible to read/write the information in a memory card connected to the UG30/20 via Ethernet.



Connection between UG30/20 and PC

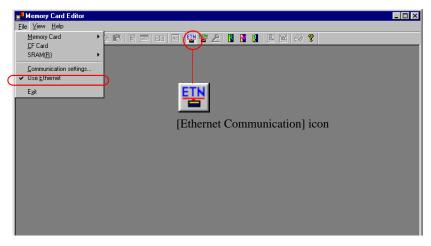
1. <u>UG30(high-performance type)</u>

Connect the LAN port on the rear side of the UG30 to a PC using the cable for Ethernet.

UG30(standard type)/UG20

Connect UG03I-E on the rear side of UG30(standard)/UG20 to a PC using the cable for Ethernet.

- 2. Start UG00P-MS.
- 3. Click the [Ethernet Communication] icon, or [Use Ethernet] from [File] menu.



4. Click [Communication Settings] from [File] menu.

The [IP Address Setting] dialog is displayed.

5. Specify the IP address of UG30/20, and click [OK].

🚽 Memory Card Editor		IP address Setting
<u>File View H</u> elp		
Memory Card		Host name <<
Growmunication settings ✓ Use Ethernet Egit	-	IP address 192.168.1.250
		OK Cancel Reference

RUN Mode Communication

In case of Ethernet connection, RUN mode communication is available. RUN mode communication can maintain RUN mode while communicating with a memory card without displaying the Main Menu (= communication stops).

Setting

1. When starting RUN mode communication, click the [RUN Mode Communication] icon, or go to [File], [Memory Card], and then click [RUN Mode Communication].



<u>Memory Card</u> CF Card SRAM(<u>R</u>) Communication settings	New Open Read from the memory card RUN mode communication Memory Card format	₽₽ 2
✓ Use <u>E</u> thernet E <u>x</u> it	Memory Card copy	

2. The [Comm. Option] dialog is displayed.

Comm. Option	×
RUN mode commun	ication settings
IP address	92.168.1.38
Port No.	10000
UGx20(Version <	V1.200)
OK	Cancel

[IP Address]

Specify the IP address of the UG30/20.

[Port No.]

When the port number of UG30/20 is any other than 10000, specify the port number here.

If RUN mode communication is not selected, this setting is not necessary.

[UG20 (Version < V1.200)]

Check this box if connecting via Ethernet to a UG20 which has the system program version 1.200 or earlier.



When the setting is complete, click [OK].

After clicking [OK], if you wish to confirm the settings of the [Comm. Option] dialog again, click the [Comm. Option] icon.



[Comm. Option] icon

Reading/Writing Memory Card

- **1.** Check if UG30/20 is in RUN mode, and click the [Read/Write Memory Card] icon, or [Read from the Memory Card/Write to the Memory Card] from [File] menu.
- **2.** Communicate with a memory card.

Make UG30/2	20 displays the Main Menu, the following dialog is displayed. 20 in RUN mode, or click [Read from the Memory Card/Write 7y Card] again after stopping RUN mode communication.
	Cannot continue because it is now in LOCAL mode.



When clicking the [Write Memory Card] icon, only the data file is written. The sampling buffer file is not written.

◆ Reading/Writing File

1. Open the [Data Edit] window.

Amemory Card informati			曹 빻 ⊿				8		
□ ⁴ POD(0) → ¹ file0 (Data /FU)	JI] HER] fer/] fer/] fer/]	record0[tokyo] record1[nagoya] record2[osaka] a edit File0 [FUJI] 1	л					-	
file9 [Not used /]		Record name	0	1	2	3	4	5	e
file11[Not used /]	0	tokyo	1025	1252	2251	665	1353	575	4
file12[Notused /]	_	nagoya	500	560	510	550	530	570	5
file14[Not used /]		osaka	9999	7777	9999	6666	9999	8888	99
file15[Not used 7]									

- 2. Check if UG30/20 is in RUN mode, and click the [Read/Write File] icon, or [Read/Write File] from [File] menu.
- **3.** Communicate with a memory card.

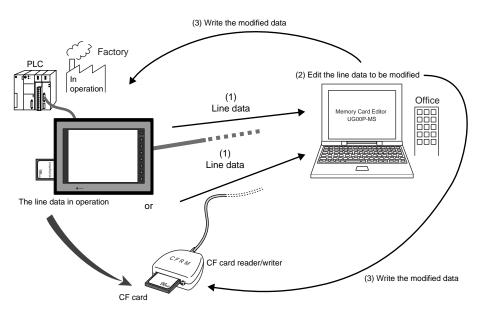


When connecting via Ethernet, the information of a memory card can be read or written without using RUN mode communication. In this case, the display of POD is automatically switched to the Main Menu while communicating with a memory card.

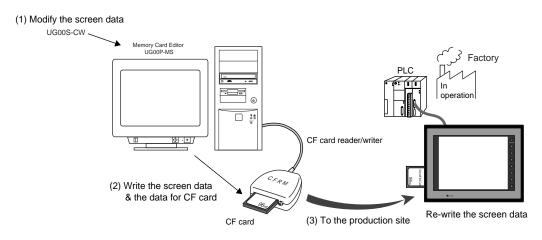
Make the [RUN Mode Communication] icon raised (
). The way to read/ write the data is the same as in RUN mode communication. [CF Card]

Operation Examples

Read from CF Card → Write to CF Card



(1) Read the line data in operation \rightarrow (2) Modify the data \rightarrow (3) Write the modified data

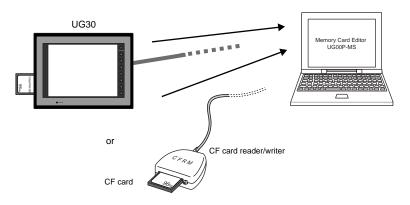


Write Screen Data & CF Card Data to CF Card

(1) Modify the screen data \rightarrow (2) Write by UG00P-MS \rightarrow (3) To the production site

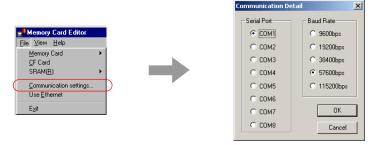
Reading from a CF Card

- **1.** Start Memory Card Editor.
- **2.** When reading the data from the UG30 which has a CF card inserted, set the communication settings first. If you access the CF card in a CF card reader/writer which is connected to a PC, go to step 3.



When using UG00C-T:

Click [Communication Settings] from the [File] menu. The [Communication Detail] dialog is displayed. Specify [Serial Port] and [Baud Rate] of your PC.



When using Ethernet communication:

- 1) Click [Use Ethernet] from the [File] menu. [Use Ethernet] is checked.
- Click [Communication Settings] from the [File] menu. The [IP Address Setting] dialog is displayed. Specify the IP address of the UG30.

🚽 Memory Card Editor	IP address Setting	×
File View Help Memory Card CF Card SRAM(B) Communication settings	Host name K	
Vus Ethernet	OK Cancel Reference	

3. Click [CF Card] from the [File] menu.

The [Select the Drive of a CF C...] dialog is displayed.

Eile View Help <u>CF</u> Card SRAM(E) <u>Communication settings</u> Use Ethernet	🛃 Memory Card Editor	
<u>CF Card</u> SRAM(<u>E</u>) <u>Communication settings</u> Use <u>E</u> thernet	<u>F</u> ile ⊻iew <u>H</u> elp	
SRAM(<u>E</u>) <u>C</u> ommunication settings Use <u>E</u> thernet	Memory Card	•
<u>C</u> ommunication settings Use <u>E</u> thernet	-	
Use <u>E</u> thernet	SRAM(<u>R</u>)	•
	Communication settings	
	Use <u>E</u> thernet	
E VII	Exit	

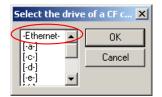
Select th	e drive	of a CF c 🗙
-COM- [-a-]		OK
[·c·]		Cancel
[·e·]	•	

4. When reading from a CF card reader/writer: Click the appropriate drive, and then click [OK].

When reading from the UG30 via a UG00C-T: Click [-COM-], and then click [OK].



When reading from the UG30 via Ethernet: Click [-Ethernet-], and then click [OK].



5. For the CF card reader/writer, the contents of the CF card are immediately displayed.

🛃 Memory Card Editor - CF Card Ma	anager(f:)			_ 🗆 🗙
<u>F</u> ile Edit <u>D</u> isplay <u>W</u> indow <u>H</u> elp				
] D 📽 🖬 🗠 🗠 X 🛍 🛍		🖿 📕 🗷 🖼 👙 💡		
CF Card Manager(f:)				IX
🖃 🖃 Removable Disk (F:)	File	Kind of File S	ize Renewal Time	
H 💼 💼 Cf	CF CF	File Folder	11/06/02 16:16	
i ⊡ Sram	SRAM	File Folder	11/06/02 16:15	

6. When reading data via the UG30, reading process will be started after the message "Initial checking" is displayed.

Communicating	×	Communicating	×
Initial checking	Cancel	SRAM\DSP\DSP0000.BIN	Cancel

Because all the data in the CF card is read, the reading process may take a long time.

7. When reading is complete, the window as shown below is displayed.

When the UG30 reads via [COM], [COM] is displayed. When it reads via Ethernet, [Ethernet] is displayed.

Hemory Card Editor - CF Card	Manager(COM)			
Eile Edit Display Window Help □ □ □ □ ↓ □			W 4 9	
CF Card Manager(COM)				. 🗆 🗙
10 📂 - 🖃	File	Kind of File File Folder	Size Renewal Time 12/13/02 14:05	
⊞⊡ Sram	SRAM	File Folder	12/13/02 14:05	
Ready				

Editing a CF Card

The data read can be edited or converted.

Editing/Converting Data

Refer the following list to learn about editable or convertible data.

Folder Name	File Name	Edit *	Conversion
BITMAP	BMPxxxx.BIN	×	$\bigcirc (\rightarrow^*.BMP)$
CARD	MCMHEAD.BIN	×	$\bigcirc (\rightarrow^*.MCD)$
	MCMxxxx.BIN	0	\bigcirc (\rightarrow *.MCD, *.CSV)
DSP	DSP0000.BIN	×	(→*.U3/U2)
FONT	xxxxx.FTD	×	×
HDCOPY	HDxxxx.JPG	×	×
	HDxxxx.BIN	× · · · · · · · · · · · · · · · · · · ·	\bigcirc (\rightarrow *.BMP)
JPEG	xxxxx.JPG	×	×
	JPxxxxx.JPG		
MEMO	MEMxxxx.BIN	×	$\bigcirc (\rightarrow^*.BMP)$
RECIPE	RECxxxx.CSV	×	×
SAMPLE	SMPxxxx.BIN	0	$\bigcirc (\rightarrow^*.MCD, *.CSV)$
	SMPxxxx.CSV	×	×
SNAP	VDxxxxx.JPG	×	×
SRAM	SRM0000.BIN	×	×
WAV	WAxxxx.WAV	×	×
WEBSERV	*.SHT, *.HTML etc.	×	×

* "Conversion" means editing or modifying the data on the Memory Card Editor.

How to Edit the Data

The following two kinds of files are editable.

- MCMxxxx.BIN
- SMPxxxx.BIN

MCMxxxx.BIN

1. Double-click the "MCMxxxx.BIN" file (in the "CARD" folder).

Memory Card Editor - CF Card Mar File Edit Display Window Help Image: Second	nager(COM)		M 🔿 💡	
🔯 CF Card Manager(COM)				_
Cf Cf Cf Cg Cg Cg Cg Cg Cg Cg Cg Cg Cg Cg Cg Cg	Fie MCM0000.BIN MCM0001.BIN MCMHEAD.BIN	Kind of File BIN File BIN File BIN File	Size Renewal Time 508 B 12/13/02 14:20 508 B 12/13/02 14:20 1,472 B 12/13/02 14:20	

2. The data edit window is open as shown below.

		1							
Memory Card Editor -	Data e	dit File0 [] 1/1							
ile <u>E</u> dit <u>V</u> iew <u>W</u> indow	<u>H</u> elp								
🗋 💕 🗖 🗠 🗠 🗌	X 🗈			₽ 2		RW	A ?		
							e ,		
CF Card Manager(Cl	JM)								
요 🙆 🖸		File		Kir	nd of File	9	ize Rene	wal Time	
🖻 🧰 🖸		MCM0000.BI		BI	N File	50	8B 12/13	/02 14:20	
- 🛄 Bitmap		MCM0001.BI	MCM0001.BIN			50	508 B 12/10	/02 14:20	
🔄 Card		MCMHEAD.E	MCMHEAD.BIN E			BIN File 1,472 B		3 12/13/02 14:20	
- Dsp									
Ent									
🛄 Hdcopy 🛅 Jpeg	Dat	a edit File0 [] 1/1							
- Memo	-4€ ≫	4 7							
- 🧿 Recipe		Record name	0	1	2	З	4	5	
Sample Can Snap	0	A	0	0	0	0	0	(
- Sram	1	В	0	0	0	0	0	(
- 🗋 Wav	2	C	0	0	0	0	0		
<u>Ca</u> Webserv ⊞ <u>Ca</u> Sram	З	D	0	0	0	0	0		
E i siain	4	E	0	0	0	0	0		

The structure of this window is the same as the [Type: Data] file that is displayed when [Memory Card] is selected. Refer to page 20 for the details of the editing method.

SMPxxxx.BIN

1. Double-click the "SMPxxxx.BIN" file (in the "SAMPLE" folder).

<mark>Memory Card Editor - CF Car</mark> Tile Edit <u>D</u> isplay <u>W</u> indow <u>H</u> elp ロ W マース 日本			u w <i>s</i> ?	
🗋 💕 🛃 🗠 🗠 👗 🛍				
B- Ci Ci	File	Kind of File	Size Renewal Time	
	SMP0000.BIN	BIN File	808 B 12/13/02 14:20	
Bitmap	SMP0001 BIN	BIN File	808 B 12/13/02 14:20	
- Card	MP0002.BIN	BIN File	508 B 12/13/02 14:20	
- Dsp	SMP0003.BIN	BIN File	730 B 12/13/02 14:20	
- Ent	SMP0004.BIN	BIN File	608 B 12/13/02 14:20	
C Hdcopy	_			
Jpeg				
- Memo				
- Cal Recipe				
-C Snap				
🗀 Sram				

2. The data edit window is open as shown below.

Memory Card Editor -		dit File0 [] 1/1						
ile <u>E</u> dit ⊻iew <u>W</u> indow								
🗋 📽 📕 🗠 rae	X 🗈		NO 💾 🖻	딸 본 1			a ?	
🕄 CF Card Manager(Cl	DM)							- 🗆 🗙
e- 🧰 Cf		File		K	ind of File	9	Size Renewal Time	
🖻 🧰 Cf		SMP0000.BI	N	В	IN File	80	8 B 12/13/02 14:20	
🗀 Bitmap		SMP0001.BI	N	В	IN File	80	18 B 12/13/02 14:20	
Card		SMP0002.BI			IN File	50	18 B 12/13/02 14:20	
- Dsp - Dsp		SMP0003.BI		-	IN File	73	0 B 12/13/02 14:20	
- Hdcopy		SMP0004.BI	N	В	IN File	60	18 B 12/13/02 14:20	
	Data	edit File0 [] 1/1						
🗀 Memo	<u>स भ</u>	12						
- Cal Recipe	عكك		0	•	0			
- Sample		Time	0	1	2	3		-
- Ci Snap	1	11/06 16:31:56	1792	1680	1024	64		
- Way	2	11/06 16:31:57	1856	1792	768	32		
- Webserv	З	11/06 16:31:58	1856	1792	768	32		
🗄 🧰 Sram	4	11/06 16:31:59	1856	1792	768	32		
	5	11/06 16:32:00	1920	1680	512	0		
	6	11/06 16:32:01	1920	1680	512	0		
	7	11/06 16:32:02	1920	1680	512	0		
	8	11/06 16:32:03	1920	1680	512	0		
	9	11/06 16:32:04	1920	1680	512	0		
	10	11/06 16:00:05	10.20	1600	E10	0		

The structure of this window is the same as the [Type: Sampling Buffer] file that is displayed when [Memory Card] is selected. Refer to page 14 for the details of the editing method.

How to Convert the Files

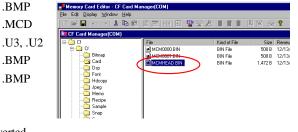
The conversion targets are BIN files (the extension [*.BIN]). There are two conversion procedures depending on the file format.

[Put BIN File Back]

- File
 - Extension after Conversion

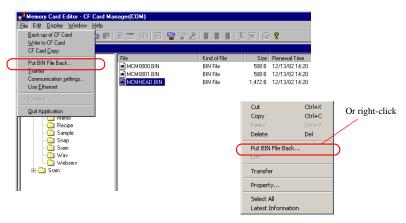
.BMP

- BMPxxxx.BIN
- MCMHEAD.BIN .MCD
- DSP0000.BIN
- HDxxxx.BIN .BMP .BMP
- MEMxxxx.BIN



Follow the steps below.

- **1.** Select the file to be converted.
- 2. Select [Put BIN File Back] from the [File] menu. Or right-click and select [Put BIN File Back].

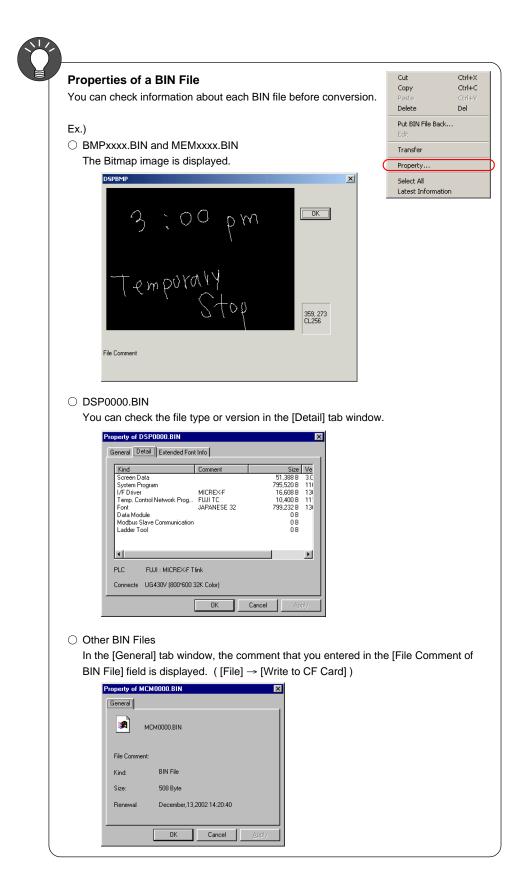


3. [Save As] dialog is displayed.

Specify the desired file name and click [Save].

Gave As					? X
Savejn: 🔂	Data	•	E		
CF.mcd test.mcd					
🛋 test.mcd					
]					_
File <u>n</u> ame:	MCMHEAD.MCD			9	ave
Save as type:	(* MCD)		-	C	ancel
57	[(in ob)				///

4. The converted file is created in the specified folder.



Creating a CSV File

File	Extension after Conversion
• MCMxxxx.BIN	.CSV
• SMPxxxx.BIN	.CSV

Follow the steps below.

- **1.** Double-click each file and keep it open.
- **2.** Click [Create CSV File] from the [File] menu.
- [Save As] dialog is displayed.

Hemory Card Editor - Da <u>File</u> Edit View Window <u>E</u> <u>C</u> lose data edit		CSV 🛛 👔 Dala 🖉 🖬 🗐
New Oper Save Save Save Save As Open reference screen gata Read CSV file	Ctri+N Ctri+O Ctri+S	File game: Save
Use Ethernet RUN mode communication Communication options Read file Write file		Save as type: CSV file (*.csv)
Printer Setting Print	Ctrl+P	☐ Make a file in 256-column format. ☐ Give a title.

[] Make a File in 256-Column Format]

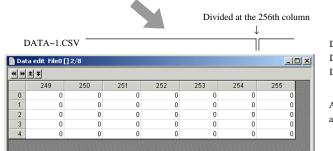
This setting is effective when the data count in a "MCMxxxx.BIN" file is 256 or more.

When you save the data in a CSV file and edit it with Excel, only 256 columns can be displayed. If the data count is 256 or more, you cannot open the CSV file with Excel.

If you check this item and save the file, the CSV files will be created automatically from "(the desired file name) ~1.CSV" with the available number of columns (= the number of data).

Ŧ										
Record name	0	1	2	3	4		996	997	998	999
ecord 0	0	0	0	0	0		0	0	0	0
ecord 1	0	0	0	0	0		0	0	0	0
ecord 2	0	0	0	0	0		0	0	0	0
ecord 3	0	0	0	0	0		0	0	0	0
ecord 4	0	0	0	0	0		0	0	0	0
е е	ecord 1 ecord 2 ecord 3	ecord 1 0 ecord 2 0 ecord 3 0	ecord 1 0 0 ecord 2 0 0 ecord 3 0 0	accord 1 0 0 0 accord 2 0 0 0 0 accord 3 0 0 0 0	ecord 1 0 0 0 0 acord 2 0 0 0 0 0 acord 3 0 0 0 0 0	accord 1 0 0 0 0 accord 2 0 0 0 0 0 accord 3 0 0 0 0 0 0	ocord 1 0 0 0 0 acord 2 0 0 0 0 0 acord 3 0 0 0 0 0	ocord 1 0 0 0 0 0 0 ocord 2 0 <	ocord 1 0 </td <td>ocord 1 0<!--</td--></td>	ocord 1 0 </td

[The data count: 1000] + "Record name" column = 1001 columns



DATA~2.CSV DATA~3.CSV DATA~4.CSV .

Any file is divided at the 256th column

[Give a Title]

Using the memory card editor function, each title in a data file can be edited. Check this box if you save the title as data when saving in a CSV data.

4 M A Y										
	Record name	DATA A	DATA B	DATA C	DATA D	DATAE				
0	TEMP	23	21	22	24	20				
1	INPUT	1001	1010	1002	1002	1006				
2	SET	255	255	256	1024	1023				
3	CHANGE	336	223	2365	23	223				
4	MOVE	1000	1002	1005	1000	992				
5	BACK	0	2	0	0	0				
6	REGULAR	500	522	521	521	551				

N	Microsoft Excel - A.csv										
	B File Edit View Insert Format Iools Data Window Help										
	🗋 🚔 🔚 🎒 🖘 τ 🍓 Σ τ 👌 🛍 😨 🐥 Arial 🔹 10 τ										
	A1 🔻 🏂 Record name										
	A	В	С	D	E	F	G				
1	Record name	DATA A	DATA B	DATA C	DATA D	DATA E					
2	TEMP	23	21	22	24	20					
3	INPUT	1001	1010	1002	1002	1006					
4	SET	255	255	256	1024	1023					
5	CHANGE	336	223	2365	23	223					
6	MOVE	1000	1002	1005	1000	992					
7	BACK	0	2	0	0	0					
8	REGULAR	500	522	521	521	551					
9											
10											
11											

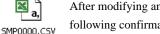
3. If you save with the desired file name, a CSV file will be created.

Alternate Operating Method (Drag & Drop)

A CSV file or a JPEG file can be confirmed on the Memory Card Editor, but cannot be displayed or edited. You can edit or display these files by dragging & dropping into the other applications.

For example, you can open the "SMP000.CSV" file in the "SAMPLE" folder by dragging it from the memory card editor and dropping it into Excel directly.

🚽 Memory Card Editor - CF Card Ma	nager(COM)		M	licrosoft Excel - SMP00	00.CS¥			
<u>F</u> ile Edit <u>D</u> isplay <u>W</u> indow <u>H</u> elp				<u>File E</u> dit <u>V</u> iew Inse	ert Format	Tools Da	ta <u>W</u> indow	Help
D # ₽ ∽ ~ % ₽ €	8 8 5 6 8 8 4				- 2	l 🔟 🛛	Arial	
CF Card Manager(COM)				A1 👻	∱ No.000			
E-Cf	File	Kind of File		A	В	С	D	E
<u>⊨</u>	SMP0000.BIN	BIN File	1	No.000				
Bitmap	SMP0000.csv	Microsoft	2	10/31/2002 18:56	0	0	0	0
Card	SMP0001.BIN	BIN File	3	10/31/2002 18:56	0	0	0	0
Dsp	SMP0002.BIN	BIN File	4	10/31/2002 18:56	100	1000	5000	8000
- Font Hdcopy	SMP0003.BIN	BIN File	5	10/31/2002 18:57	100	1000	5000	8000
Jpeq	SMP0004.BIN Drag into E	V BIN File	6	10/31/2002 18:57	100	1000	5000	8000
- Memo	Diug into E	Acci	7	10/31/2002 18:57	100	1000	5000	8000
- Recipe			8	10/31/2002 18:57	100	1000	5000	8000
			9	10/31/2002 18:57	100	1000	5000	8000
- Snap			10	10/31/2002 18:57	100	1000	5000	8000
Sram			11	10/31/2002 18:57	100	1000	5000	8000



After modifying and saving, if you drag it back to the Memory Card Editor, the following confirmation message is displayed.

🚽 Memory Card Editor - CF Card M	lanager(COM)	1	Confirm F	ile Replace	×
File Edit Display Window Help □ ☞ ■ □ ∽ ∼ ※ € ■ CF Card Manager(COM)			Þ	This folder already contains a file named 'SMP0000.CSV'.	
Cr Cr Card Card Dsp Font 	Fie MP0000.BIN MP0000.csv MP0000.csv SMP0002.BIN SMP0003.BIN SMP0004.BIN	Kind of File BIN File Microsoft BIN File BIN File BIN File BIN File		Would you like to replace the existing file 21.2 KB modified: Today, October 31, 2002, 7:22:38 PM with this one? 17.3 KB modified: Today, October 31, 2002, 7:27:26 PM Yes No	

If you accept replacing the file, the modified date is stored in the "SAMPLE" folder.

Writing to a CF Card

There are three ways to write a data to a CF card.

A) Batch Transfer

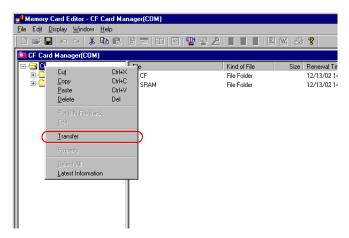


Because all the data in the CF card is read, reading process may take a long time.

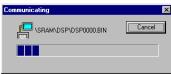
The following method is for batch writing of the data read from a CF card to the CF card after editing. Follow the steps below.

- **1.** Display the list of the folders from the CF card in the Memory Card Editor.
- **2.** Right-click the [CF] folder, and then click [Transfer].

(Or click the [CF] folder, then click [Transfer] from the [File] menu.)



3. All the contents of each folder under the [CF] folder are transferred to the CF card at once.



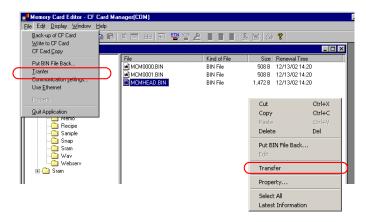


If you click [Cancel] while the data is being written, the data in the CF card may be corrupted. Be sure not to cancel the operation while the data is being written.

B) Individual Transfer

This is the method for writing modified data to the CF card after reading or data prepared on a PC. Follow the steps below.

- **1.** Display the list of the folders from the CF card in the Memory Card Editor.
- **2.** Right-click the file to be written or the folder which has that file, and then click [Transfer]. (Or click the file/folder, and then click [Transfer] from the [File] menu.)



3. The selected file/folder is transferred to the CF card.



For a file prepared on a PC, it is recommended that you drag & drop it into the appropriate folder in the Memory Card Editor in advance.

C) Writing from a Screen Data File

Similar to the V-SFT CF Card Manager, by writing from the screen data file of the UG30/20 to the CF card, the appropriate file (WAV file, JPEG file, or Font file, etc.) for the screen data file is written automatically. Follow the steps below.

1. Select [Write to CF Card] from the [File] menu. The [Write to CF Card] dialog is displayed.

🛃 Memory Card Editor - CF C		Write to CF Card
<u>File</u> Edit <u>Display</u> <u>Window</u> <u>H</u> <u>B</u> ack-up of CF Card		File to be converted
Write to CF Card)	Refer
CF Card <u>C</u> opy Put BIN File Back		File comment of BIN file
∐ranfer Communication <u>s</u> ettings Use <u>E</u> thernet		
Property		Use default loading
Quit Application		
		OK Cancel

[File to be Converted]

Click [Refer] and select the file you wish to write to the CF card. The extensions of the target files are [*.U3], [*.U2], or [*. MCD].



When selecting a [*.MCD] file in the [Write to CF Card] dialog, the contents of the [*.MCD] file are written in the CF card format. The data actually only exists in the [CARD] folder or the [SAMPLE] folder.

[File Comment of BIN File]

Enter text when annotating the screen data file (DSP0000.BIN: BIN file) written to the CF card.

[Use Default Loading]

Check this box when you perform "Auto Uploading of Screen Data." For more information, refer to in "Chapter 23 CF Card" of the Reference Manual (Function).

2. When the setting is complete, click [OK]. The screen data file is saved as "DSP0000.BIN" (BIN file) in the [DSP] folder of the user folder on the CF card. At the same time, the specific extension is written to each folder on the CF card according to the screen data file setting.

Backing Up a CF Card

- It is possible to save the data read from the CF card or the edited files.
- 1. Select [Back-up of CF Card] from the [File] menu.



- **2.** When the [Copy Target Folder] dialog is displayed, click [Refer] and specify the copy target folder.
 - Ex.) When saving in the My Document folder in the C drive:

Copy Target Folder	×
Specify the copy target folder.	
C:\My Documents	Refer
OK	Cancel

3. Click [OK]. The following message is displayed.



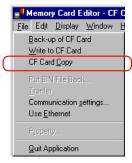
4. Click [OK]. The data on the CF card is copied to the copy target. When the copy operation is complete, the following message is displayed.

UG00P-N	is 🐹
•	Copy finished.
	ОК

5. Make sure that the data is copied correctly using Explorer.

Copying a CF Card

1. Click [CF Card Copy] from the [File] menu.



2. Specify the CF card drive and click [OK].

Select CF	card o	of read ta 🗙
[-a-] [-c-]	-	OK
[-0-]		Cancel
[-f-]	-	

3. The following message is displayed. Click [OK].



4. The following message is displayed. Remove the CF card from your PC and insert the target CF card. Click [OK].



5. The following message is displayed. Click [OK].



6. When the copy operation is complete, the following message is displayed.



[SRAM]

Read/Write data in a SRAM cassette and the built-in SRAM.

Reading from SRAM

- 1. Start Memory Card Editor.
- **2.** When using UG00C-T:

Click [Communication Settings] from the [File] menu. When the [Communication Detail] dialog is displayed, specify [Serial Port] and [Baud Rate] of your PC.



When using Ethernet communication:

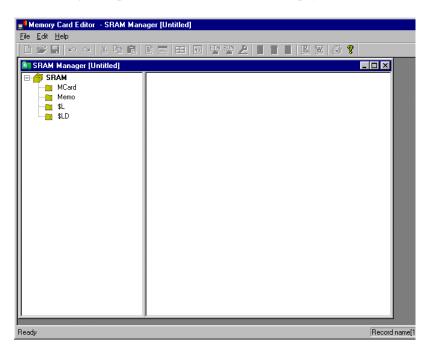
- 1) Click [Use Ethernet] from the [File] menu. [Use Ethernet] is checked.
- 2) Click [Communication Settings] from the [File] menu. When [IP Address Setting] is displayed, specify the IP address of the UG30.



3. Go to [File], [SRAM], and then click [Read from the Sram Memory]. Reading data process is started.

🚽 Memory Card Editor		
<u>File</u> ⊻iew <u>H</u> elp		
Memory Card CF Card		
SRAM(<u>R</u>)	<u>O</u> pen	
Communication settings Use Ethernet Exit	Read from the Sram memory	

4. When reading is complete, the window shown below is displayed.

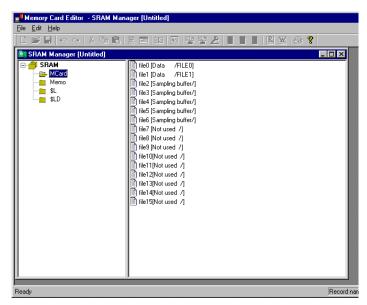


Editing SRAM

[MCard]

Click the [MCard] folder in the tree display in the left window.

Each file of the memory card emulation is displayed in the right window as shown below.



If you double-click each file, the contents of each file are displayed similar to the case where [Memory Card] is selected. The editing method is the same as the method described for [Memory Card]. For more information, refer to page 14.

Memory Card Editor - Data edit File0 [FILE0] 1/1									
<u>F</u> ile <u>E</u> dit ⊻iew <u>W</u> indow <u>H</u>	Eile <u>E</u> dit <u>V</u> iew <u>W</u> indow <u>H</u> elp								
🗋 📽 🖬 🗠 🗠 👗									
SRAM Manager [Untitl	ed]								
SRAM file0 (Data /FILE0) MGard file1 (Data /FILE1) Memo file2 (Sampling buffer/) \$L file3 (Sampling buffer/) \$LD file4 (Sampling buffer/)									
Data edit File0 [FILE0] 1/1									
	₩	* *							
		Record name	0	1	2	З	4		
	0	A	0	0	0	0	0		
	1	В	0	0	0	0	0		
	2	C	0	0	0	0	0		
	3 D 0 0 0 0								
	4 E 0 0 0 0								
	5	F	0	0	0	0	0		
	6	G	0	0	0	0	0		
	7	н	0	0	0	0	0		

Confirming Properties

It is possible to confirm the setting items of the memory card emulation area. Right-click each file in the [MCard] folder, and then click [Property]. The [Display Memory Card Information] dialog is displayed as shown below.

		Display memory card information
SRAM Manager [Untitled]	No.0 Data ATLED* Cut Cu	7 8 9 10 11 12 13 14 15 Memory Card 0 1 2 3 4 5 6
sL sL sLD	The Control Durine Daske OHV The Standing buttler Dele Del The Standing buttler Dele Del The Standing buttler Convert The Standing buttler The Standing buttler Property The Not used 7	Card name Card number D Format Type UGx30
	file9 [Not used /]	
		Close

All 16 files in the [MCard] folder can be checked.

Saving to a MCD File

It is possible to save the memory card emulation area as a [*.MCD] file.

Click [Save As] in the [File] menu while the desired file in the [MCard] folder is open. Or right-click each file, and then click [Convert].

<u>D</u> lose data edit			NO. ETh	Per 🖉			SRAM Mana	ager (Untitled)	file0 (Data /FILEO		
<u>N</u> ew Open Save	Ctrl+N Ctrl+O Ctrl+S	l filon ID sta 1	/EII E M				- C- MCan - Memo - Memo - Memo - SL - Memo		file1 [Data /FILE0 file1 [Data /FILE1 file2 [Sampling buffer file3 [Sampling buffer file4 [Sampling buffer		
Save <u>A</u> s Dpen reference screen <u>d</u> ata			1	2	3				file5 [Sampling buffer file6 [Sampling buffer	Convert Property	
Read CS <u>V</u> file Dr <u>e</u> ate CSV file		0	0	0	0	or			file7 [Not used /] file8 [Not used /] file9 [Not used /]	<u>S</u> ciect All Latest Informati	ion
Use Ethernet RUN mode communication		0	0	0	0				file10[Not used /] file11[Not used /] file12[Not used /]		
		0	0	0	0				file13[Not used /]		
		0	0	0	0				file15[Not used 7]		
Printer Setting Print	Ctrl+P	0	0	õ	0						
Ennc	Cui+P	0	0	0	0						
1 C:\Program Files\\test.mci 2 DORAMI.mcd		0	0	0	0						

The [Save As] dialog is displayed as shown below. Specify the desired file name and click [Save].

Save As						? ×	
Savejn: 🔂	Data		-	1 🛃	C		
CF.mcd test.mcd							
File <u>n</u> ame:						<u>S</u> ave	
Save as type:	Memory Card	data file (*.mcd)		•	(Cancel	

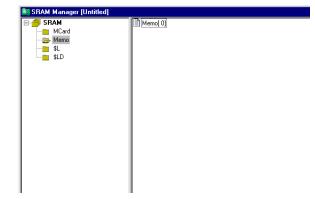


After you save the MCD file, it is opened as memory card data, not as SRAM data. Open the file by clicking [File], [Memory Card], and then [Open], or clicking the [Open] icon.

[Memo]

Click the [Memo] folder in the tree display in the left window.

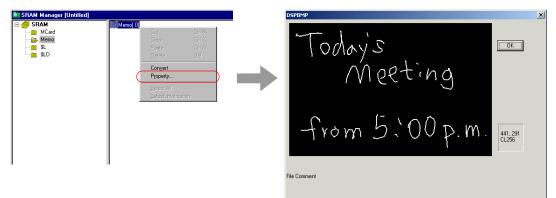
Each of the memo pad data (No. 0~7) is displayed in the right window as shown below.



Confirming Properties

The contents of the memo pad can be checked.

Right-click each file in the [Memo] folder, and then click [Property]. The following dialog is displayed.

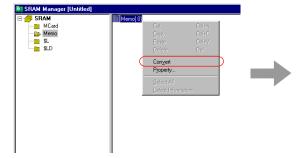


Saving to a BMP File

It is possible to save the memo pad data as a [*.BMP] file.

Right-click each file in the [Memo] folder, and then click [Convert].

The [Save As] dialog is displayed as shown below. Specify the desired file name and click [Save].



	? ×
토 🖻 💆	📸 📰 📰
	<u>S</u> ave
•	Cancel
	• e ø

[\$L] / [\$LD]

Double-click the [L] / [LD] folder in the tree display in the left window. The following window is displayed respectively.

SRAM Manager	[Untitled		\$L						_			
- Memo	\$L 1/	7										- II X
- 🕞 💷	41 P> ±	¥										
		0	1	2	3	4	5	6	7	8	9	
	0	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	10	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	20	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	30	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	40	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	50	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	60	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	70	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	80	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	90	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	100	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	110	5555	5555	5555	5555	5555	5555	5555	5555	5555	5555	
	120	0	0	0	0	0	0	0	0	0	0	
1	130	0	0	n	0	n	n	n	n	n	0	

Editing Data

It is possible to enter/modify the value in each address.

Click each cell to select. The value is modified by entering a numeric value with the keyboard.

💐 SRAM Manager	[Untitled]								
E 🎁 SRAM			🗎 \$L						
- MCard									
Memo	sL 1/7								
\$LD	** ** *	Ŧ							
		0	1	2	3	4	5	6	7
	0	5555	6555	5555	5555	5555	5555	5555	55
· · · · · ·	10	5555	5555	5555	5555	5555	5555	5555	55
	20	5555	5555	5555	5555	5555	5555	5555	55
	30	5555	5555	5555	5555	5555	5555	5555	55
	40	5555	5555	5555	5555	5555	6555	5555	55:
	50	5555	5555	5555	5555	5555	6555	5555	55
	60	5555	5555	5555	5555	5555	5555	5555	55
	70	5555	5555	5555	5555	5555	5555	5555	55
	80	5555	5555	5555	5555	5555	5555	5555	55



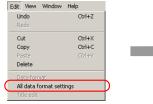
If you enter a value which does not correspond to a format (Ex: Write [HEX] to [DEC]), the data is ignored.

Data Format Batch Settings

Modify the display formats in each address all at once.



Click [All Data Format Settings] from the [Edit] menu. The [Data Format] dialog is displayed.



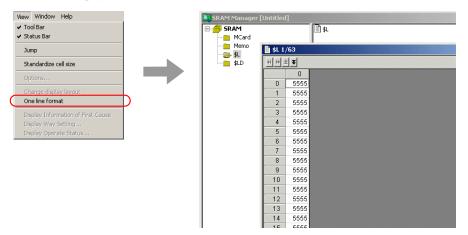


Specify the type or the decimal point. When you click [OK], all the cells are displayed in the format you set.

Display Switching (10-column / 1-column)

It is possible to switch from 10-column display to 1-column display.

Click [One Line Format] from the [View] menu. The window is changed to the single column display.



If you click [One Line Format] from the [View] menu again, the check mark is removed. The window is changed back to the original 10-column display.

Saving to a CSV File

It is possible to save the contents of \$L and \$LD to a CSV file. Follow the steps below.

1. Click [Create CSV file] from the [File] menu.

The [CSV] dialog is displayed.

<u>a</u> dit ⊻iew <u>W</u> indow <u>H</u>	elp		
<u>C</u> lose data edit		Save in: 🔄 DATA	- 🖬 📩 –
New	Ctri+N	Test.csv	
	Ctrl+0		
	Ctrl+S		
/e <u>A</u> s			
Read CS⊻ file			
Cr <u>e</u> ate CSV file			
Use Ethernet		File name:	Sav
RUN mode communication			
		Save as type: CSV file (*.csv)	<u>▼</u> Can
Printer Setting			
Print	Ctrl+P		
1 C:\Program Files\\test.m	ed.		
2 DORAMI.mcd	00		
3 C:\Program Files\\CF.mc	:d		
Exit			

2. When you save with the desired file name, a CSV file will be created.

Reading from a CSV File

It is possible to read the contents of a CSV file. Follow the steps below.

1. Click [Create CSV File] from the [File] menu.

The [CSV] dialog is displayed.

Memory Card Editor - \$L	171
<u>E</u> dit <u>V</u> iew <u>W</u> indow <u>H</u> e	íp
<u>C</u> lose data edit	
New	Ctrl+N
	Ctrl+O
	Ctrl+S
ave <u>A</u> s	
Read CS⊻ file	
Create CSV file	
Use Ethernet	
Printer Setting	
Print	Ctrl+P
1 C:\Program Files\\test.mc	d
2 DORAMI.mcd	
3 C:\Program Files\\CF.mcc	4
Exit	

2. Select the file to be read and click [Open]. The contents of the CSV file are read.

Writing to SRAM

While displaying the [SRAM Manager] window, with the files in each folder closed, click [Transfer to Display] from the [File] menu.

Hemory Card Edito	r - SRAM Manager [Untitled]
<u>File E</u> dit <u>H</u> elp	
<u>S</u> ave	X & C = = = = = ¥ ¥ 2 = = = X = # \$
Iranfer to Display	atitled]
Egit Gor MCard Memo SL SLD	file0 (Data /FILE0) file1 (Data /FILE1) file2 (Sampling buffer/) file3 (Sampling buffer/) file4 (Sampling buffer/) file5 (Sampling buffer/) file6 (Sampling buffer/) file6 (Not used /) file8 (Not used /) file10[Not used /] file10[Not used /] file11[Not used /] file13[Not used /] file13[Not used /] file13[Not used /] file13[Not used /] file13[Not used /] file13[Not used /]

Write data.



If you click [Cancel] while the data is being written, the data in the CF card may be corrupted. Be sure not to cancel the operation while the data is being written.

Saving SRAM

It is possible to save the read SRAM data as a [*.RAM] file.

Click [Save] from the [File] menu. The message "Save [Untitled]?" is displayed.



When you click [Yes], the [Save As] dialog is displayed. Specify the desired file name and click [Save]. It is saved as a RAM file.

Save As					? ×
Save in: 🔂	Data	- Ē	1 🛃	<u>r</u>	
				_	
File <u>n</u> ame:			_		Save
_			_		Cancel
Save as type:	SRAM Datafile (*.RAM)		_		

When you open the file, you can go to [File], [SRAM], and then click [Open].

🚽 Memory Card Editor	
<u>F</u> ile ⊻iew <u>H</u> elp	
Memory Card ► <u>C</u> F Card	
SRAM(<u>R)</u>	Open
Communication settings	Read from the Sram memory
E <u>x</u> it	

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Materials covered in this document are subject to revision due to the modification of the product.