

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

The precautions given in this manual are concerned with this product In this manual, the safety precautions are ranked as "WARNING" and "CAUTION"

_ _ _ _ _ _ Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury. WARNING

Indicates that incorrect handling may cause hazardous CAUTION conditions, resulting in medium or slight personal injury or physical damage.

_ _ _ _ _ _ _ _ _ _ _ Note that the \Lambda CAUTION level may lead to a serious accident according to the

Always follow the precautions of both levels because they are important to personal safety Please save this manual to make it accessible when required and always forward it

to the end use

IDESIGN PRECAUTIONS1

- Do not bunch the control wires or communication cables with the main circuit or power wires, or lay them close to each other. As a guide, separate the lines by a distance of at least 100mm (3.94 inches) otherw malfunctions may occur due to noise.

INSTALLATION PRECAUTIONS

	hut off all phases of the external power supply used by the system befor removing this unit to/from the GOT. Not doing so can cause a unit failur on.
Before conr and PLC Cl	ecting the Bus connection cable to this unit, always shut off GOT power PU power externally in all phases.Not doing so can cause a malfunction.
the User's M	t in the environment that satisfies the general specifications described in lanual for the GOT used. o can cause an electric shock, fire, malfunction or product damage or
Do not drop	the unit or subject it to string shock.
When instal tighten the i	ge may result. Ing this unit to the GOT, fit it to the connection interface of the GOT and nounting screws in the specified torque range. ning can cause a drop, failure or malfunction. Overtightening can cause
urop, iuliuro	or malfunction due to screw or unit damage.
	RECAUTIONS]
Be sure to s	RECAUTIONS]
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Be sure to s wiring. Failure to de Exercise ca Not doing s Make sure t	RECAUTIONS] WARNING hut off all phases of the external power supply used by the system befor so may result in an electric shock, product damage or malfunctions. Caution
/IRING F Be sure to s wing. Failure to d Exercise ca Not doing s Make sure I Incorrect co	RECAUTIONS] AWARNING hut off all phases of the external power supply used by the system befo o so may result in an electric shock, product damage or malfunctions. Cause a fire, failure or malfunction. o can cause a fire, failure or malfunction. o securely connect the cable to the connector of unit.

- fore starting cleaning, always shut off GOT power externally in all phases. It doing so can cause a unit failure or malfunction. Undertightening can cause the IT to drop, short icruit or malfunction. ertightening can cause a short circuit or malfunction due to the damage of the ews or unit.
- Do not disassemble or modify the unit and the CF card.
- Doing so can cause a failure, malfunction, injury or fire Do not touch the conductive areas and electronic parts of this unit directly. Doing so can cause a unit malfunction or failure.

- Aways secure the cables connected to the unit, e.g. run them in conduits or clamp them. Not doing so can cause unit or cable damage due to dangling, moved or accidentally pulled cables or can cause a mailtanction due to a cable contact fault. Do not hold the cable part when unpugging any cable connected to the unit. Doing so can cause unit or cable damage or a mailtanction to to a cable contact
- Always make sure to touch the grounded metal to discharge the electricity charged in the body, etc., before touching the unit. Failure to do so may cause a failure or malfunctions of the unit.
- When installing a CF card in this unit, insert i into the card slot of this unit until the CF card eject button pops out. Failure to do so may cause a maifunction due to poor contact. Before inserting or removing a CF card into/from this unit, turn the CF card access switch off. Failure to do so may course tdata on the CF card.
- When removing a CF card from the GOT, support it by hand, as it may pop out. Failu to do so may cause the CF card to drop from the unit, resulting in a damage or failu

IDISPOSAL PRECAUTIONS

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Dispose of this product as industrial waste

[TRANSPORTATION PRECAUTIONS]

- Make sure to transport the GOT main unit and/or relevant unit(s) in the manner they will not be exposed to the impact exceeding the impact resistance described in the general specifications of the User's Manual for the GOT used, as they are precision devices. Failure to do so may cause the unit to fail. Check if the unit operates correctly after transportation.
- When funding and the contain halogen materials such as fluorine, chlorine, bromine, and iodine are used for disinfecting and protecting wooden packaging from insects, they cause malfunction when entering our products. Please take necessary precautions to ensure that remaining materials from fumigant do not enter our products, or treat packaging with methods other than fumigation (heat method). Additionally, disinfect and protect wood from insects before packing products

<u>Manuals</u>

The following shows manuals relevant to this product.

Detailed Manual

Manual name	Manual number (Model code)
GOT2000 Series User's Manual (Hardware) (Sold separately)	SH-081194ENG (1D7MJ5)
GOT2000 Series Connection Manual (Microcomputer, MODBUS, Products, Peripherals) For GT Works3 Version1 (Sold separately)	SH-081200ENG (1D7MK2)
For detailed manuals, refer to the PDF manuals sto ROM for the drawing software used.	ored in the DVD-ROM or CD
Relevant Manuals	
For relevant manuals, refer to the Help or the :PDF ROM or CD-ROM for the drawing software used.	manuals stored in the DVD
The latest manuals are also available from MITSU	

Website (http://www.MitsubishiElectric.co.jp/fa/).

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Compliance with the EMC and Low Voltage Directives

To configure a system meeting the requirements of the EMC and Low Voltage Directives when incorporating the Mitsubishi GOT (EMC and Low Voltage Directives compliant) into other machinery or equipment, refer to "EMC AND LOW VOLTAGE DIRECTIVES" of the General Description included with the GOT used. The CE mark, indicating compliance with the EMC and Low Voltage Directives, is printed on the rating plate of the GOT.

Packing List

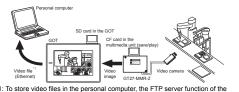
After unpacking the box, check that the following products are included.

Model	Product	Quantity
	GT16 Multimedia unit GT16M-MMR-Z	1
	Video Interface Converter Unit GT27-IF1000	1
GT27-MMR-Z	Mounting screw set for GT 16 Multimedia unit (4 screws (40mm), 4 stickers) Multimedia unit	1
	Mounting screw set for Video Interface Converter Unit (2 screws (26mm), 2 stickers)	2
	Cable clamp (for sound I/O)	1

1. OVERVIEW

This user's manual describes the GT27 Multimedia unit (hereinafter referred to as the Multimedia unit). The Multimedia unit is configured with the GT 16 Multimedia unit and the Video

The Multimedia unit is configured with the GT 16 Multimedia unit and the Video Interface Converter Unit. The following functions are available by mounting the Multimedia unit on the GT27. The GOT displays a video image taken by a video camera, or the GOT stores the video image as a video file in a CF card and plays the file. • When an error occurs, a video image taken 120 seconds before and after the error (up to 240 seconds) can be stored as a video file in a CF card. • With the Ethernet connection, the GOT sends a video file to the personal computer using the FTP server function.



- *1: To store video files in the personal computer, the FTP server function of the GOT and the multimedia interaction tool are required.
 *2: Power on the GOT simultaneously with the video camera.
 *3: Depending on the video camera type, noise from the power supply cable of the video camera may cause malfunction of the GOT or a programmable controller. In this case, attach the following line filter to the power supply line of the video camera.
- In this case, autor the following line line to the power suppy line of the vice camera. Recommended line filter: TDK-Lambda RSHN-2003 (or equivalent products) To use the Multimedia unit, set the controller settings.

For the settings and system configurations, refer to GOT2000 Series Connection Manual (Microcomputer, MODBUS Products, Peripherals) for GT Works3 Version

For the details of the multimedia function, refer to GT Designer3 (GOT2000) Help

2. SPECIFICATIONS

The following shows the performance specifications of the Multimedia unit. The general specifications of the Multimedia unit are the same as those of the GOT.

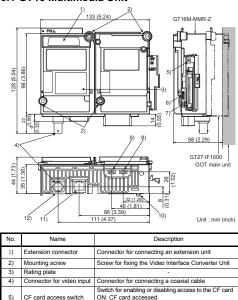
For the general specifications of the GOT, refer to the GOT2000 Series User's Manual (Hardware)

	Item		Specifications
Video input section	Input	Color	NTSC format, PAL format (interlaced format)
	format	Monochrome	EIA format, CCIR format (interlaced format)
	Number of	channels	1 channel
	Video inpu	t signal	IVp-p, 75 Ω, composite signal
	Display siz	e (dot)	640x480 768x576 ^{*1}
	Connector	for external	BNC connector
	Applicable	wire size	75 Ω shielded coaxial cable al shield cable
	Number of		1 channel
Sound input	Sound input		1 Vrms
section	Connector	for external	ϕ 3.5 stereo mini jack, straight type
	Number of	channels	1 channel
Sound output	Sound out	out signal	1 Vrms (Rated load 10k Ω)
section	Connector connection	for external	ϕ 3.5 stereo mini jack, straight type
CF Card I/F	Slot		Compact flash Slot (TYPE1) 1 channel
section	Mode		True-IDE mode
	Number of	channels	1 channel
Ethernet I/F section	Connector	for external	RJ-45 jack
	Data transfer method		10BASE-T/100BASE-TX
Video file	File format		3GP, MP4
	format	ng/decoding	MPEG-4 Part.2 SP@LV4
	Resolution/maximum frame rate		VGA/15fps, QVGA/30fps
Internal current consumption		3.3VDC	0.51A
		5.0VDC	0.49A accompanied with the GT27-IF1000
Weight			0.41kg accompanied with the GT27-IF1000

*1:Compatible with PAL and CCIR formats only.

3. PART NAMES AND EXTERNAL DIMENSIONS

3.1 GT16 Multimedia Unit



4. INSTALLATION AND REMOVAL PRO-CEDURE

4.1 Cable Connection

1) Connect the cables of the sound I/O devices to the GT16 Multimedia unit. 2) Attach the cable clamp to the GT16 Multimedia unit.

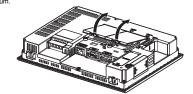
Position the cable clamp band outside, and insert the cable clamp to section A shown in the following figure until it clicks. For the band inserting direction, refer to the arrow (The cable clamp is the RST-1NB manufactured by TAKEUCHI INDUSTRY CO.,

LTD. 3) Pull up the two hooks in the extension unit cover (two covers) of the GOT to cover toward the opposite side of the cover as a fulcru

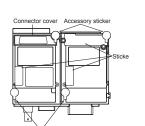
4.2 Unit Installation

The installation procedure for the Multimedia unit is explained using the GT2712.

Turn off the GOT.
 Pull up the two hooks in the extension unit cover (two covers) of the GOT to remove the cover toward the opposite side of the hoots of the cover as a fulcrum.



3) Connect the Video Interface Converter Unit to the auxiliary extension interface and the extension interface on the GOT. After connecting it, tighten four of 0.36N•m to 0.4 screws (26mm) with to fix the u



For removing the Multimedia unit, reverse the procedure of the installation

- Precautions for connecting sound I/O devices

 Do not connect or disconnect the cables of the sound I/O sections during
- sound input or output.
- the cables are fixed with the cable clamp

(arrow A). S

Warranty

A For safe use

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Mitsubishi will not be held liable for damage caused by factors found not to be the cause of Mitsubishi; machine damage or lost profits

This product has been manufactured as a general-purpose part for general industries, and has not been designed or manufactured to

be incorporated in a device or system used in purposes related to human life.

However, when installing the product where major accidents or losses could occur if the product fails, install appropriate backup or

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Before using the product for special purposes such as nuclear power, electric power, aerospace, medicine or passenger movement vehicles, consult with Mitsubishi. This product has been manufactured under strict quality control.

caused by faults in the Mitsubishi products; damage, secondary damage, accident compensation caused by special factors unpredictable by Mitsubishi, damages to products other than

Mitsubishi products; and to other duties.

failsafe functions in the system.

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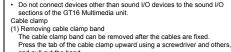
Italy

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4.3 Unit Removal Point

- Do not connect devices other than sound I/O devices to the sound I/O
- and pull out the band

Remove the cables by pressing the cable clamp from both directions



(2) Removing cables from the GT16 Multimedia unit The cables of the sound I/O devices can be removed from the unit even if

8)	Sound input terminal	Terminal for connecting the cable of the sound input device
9)	Sound output terminal	Terminal for connecting the cable of the sound output device
10)	Video connector	Video connector connected to the Video Interface Converter Unit
11)	Ethernet interface	Connector for Ethernet communication
12)	Interface connector	Connector connected to the Video Interface Converter Unit

ON: CF card accessed OFF: CF card not accessed

Interface for inserting a CF card

LED lamp lit when the CF card is access

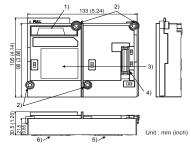
3.2 Video Interface Converter Unit

5)

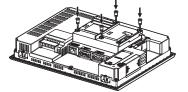
CF card access switch

6) CF card access LED

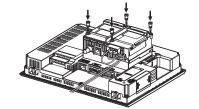
7) CF card interface



No.	Name	Description
1)	Extension connector	Connector for connecting the GT16 Multimedia Unitt
2)	Mounting screw	Screw for fixing the RGB output unit
3)	Rating plate	-
4)	Video connector	Video connector for connecting the GT16 Multimedia Unit
5)	Auxiliary extension connector	Auxiliary extension connector connected to the GOT
6)	Interface connector	Connector connected to the GOT



 Fit the GT16 Multimedia unit in the Video Interface Converter Unit cas 5) Tighten four mounting screws (40mm) of GT16 Multimedia unit with a 0.36N•m to 0.48N•m to fix the unit. t with a torque of

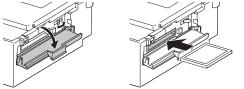


6) For mounting any extension unit on GT16 Multimedia unit, remove the connector cover and the stickers. For mounting no extension unit on the GT16 Multimedia unit, cover over four mounting screws with the accessory stickers to the GT16 Multimedia unit or the Video Interface Converter Unit to avoid static electricity. Keep the connector cover fixed. Keep all the stickers fixed.

5. CF CARD INSTALLATION/REMOVAL PROCEDURE

5.1 Installation

1) Open the CF card cove n off the CF card access switch of



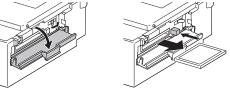
2) Insert a CF card into the CF card interface with the front side facing up CF card

5.2 Removal

1) Open the CF card cover

Turn off the CF card access switch, and check that the CF card access LED turns off

(When the CF card access LED is off, the CF card can be removed even while the GOT power is or



2) Press the CF card eject button to pop out the CF card, and remove the card.

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