TELLUS and V-Server

Q & A

Hakko Electronics Co., Ltd.

Contents

1 Common to SOFT MONITOUCH TELLUS and V-Server

Q1	How can I acquire SOFT MONITOUCH TELLUS and V-Server?	1-1
Q2	Can I update SOFT MONITOUCH TELLUS and V-Server?	1-2
Q3	What is "licensing"?	1-3
Q4	How can I apply for software license?	1-4
Q5	What is a user ID?	1-5
Q6	What is a PCID?	1-6
Q7	What is a password?	1-7
Q8	What is the operating environment for SOFT MONITOUCH TELLUS and V-Server?	1-8
Q9	Compatible list (MONITOUCH, PLC, etc.) for SOFT MINOTOUCH TELLUS and V-Server	1-9

2 SOFT MONITOUCH TELLUS

Q1	The error message "Error Code Received. Received Code: [5]" appears (on the simulator in the emulation or HMI mode)	. 2-1
Q2	How do I register memory addresses of the screen data in the simulator (emulation enabled) automatically?	. 2-2
Q3	The remote mode has been used 100 times.	
	Can I use the remote mode again by reinstalling TELLUS?	. 2-4
Q4	Can I switch between Chinese and English?	. 2-5
Q5	I use memory cards or SRAMs on the V series. How about in the HMI mode?	. 2-7
Q6	Are communications via Ethernet possible in the HMI mode?	. 2-8
Q7	Connection with Yokogawa FA-M3 via Ethernet cannot be established	. 2-9
Q8	Connection with MITSUBISHI QnH(Q) series via Ethernet cannot be established	2-12
Q9	Displayed characters are garbled or do not fit in the designated spaces	2-16
Q10	Are macro commands executable in the remote mode?	2-18
Q11	I cannot do the following in the HMI mode: WAV file replay JPEG file display Reading and writing a recipe file [RECxxxx.csv]	2-19
Q12	I click a switch on the screen in the remote mode, but the data is not written to the MONITOUCH or PLC	2-21
Q13	How can I synchronize the remote-mode screen with the monitored device?	2-23
Q14	Can I use the memory manager function in the remote mode?	
Q15	How can I start up TELLUS (HMI) together with the computer?	2-25
Q16	I cannot do the following in the remote mode: WAV file replay JPEG file display	2-27
Q17	Can I use the recipe mode function in the remote mode?	2-29
Q18	The screen of the monitored device does not shift even when I shift the screen in the remote mode	2-30

3 V-Server

Q1	How many monitored devices can be registered?	3-1
Q2	Are there any restrictions on monitoring multiple devices by V-Server?	3-2
Q3	The monitored device comes to a STOP state on V-Server.	3-3
Q4	How can I transfer V-Server projects to another computer?	3-4
Q5	Can I transfer recipe data created on Excel to the PLC?	3-5
Q6	Can I transfer screen data from V-Server?	3-6
Q7	Can I monitor a MONITOUCH from a remote location?	3-7
Q8	Can I show the values in the PLC or Monitouch in real time on Excel?	3-8
Q9	Is the number of tags (page 3-8) to be registered limited?	3-9
Q10	Is the number of logs to be registered limited?	3-10
Q11	I want to use alarm monitoring function, but the option [Alarm Monitor Setting] is inactive.	3-11
Q12	Though a monitored device is updated from V-Server, the version number goes down	3-12
Q13	How can I save one-day (24-hour continuous) sampling data in a file?	3-13
Q14	How can I execute an event when a bit is set (ON)?	3-14
Q15	Is the arithmetic function included as a condition for an event?	3-15
Q16	What are the V-Server startup options?	3-16
Q17	Can I set multiple V-Server startup options* at the same time?	3-18
Q18	How can I start V-Server at the desired time?	3-19
Q19	Can I write from multiple logs to the same Excel file?	3-20

1 Common to SOFT MONITOUCH TELLUS and V-Server

Q1 How can I acquire SOFT MONITOUCH TELLUS and V-Server?

A1 There are two ways: using the CD-ROM and downloading.

CD-ROM

Contact your local distributor if you need the CD-ROM.

Downloading

SOFT MONITOUCH TELLUS and V-Server can be downloaded from our website.

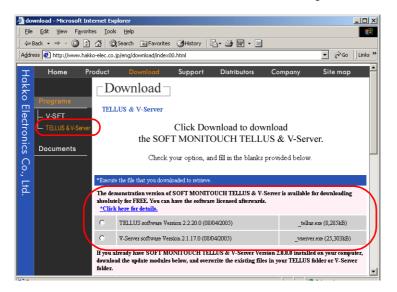
Procedure

- 1) Visit our website at http://www.monitouch.com.
- 2) Click [DOWNLOAD].



3) Click [TELLUS & V-Server].

The software can be downloaded. Follow the instructions given.



4) After the desired software is downloaded, perform the installation.



From our website, it is also possible to download the update modules. Use this service when updating your installed SOFT MONITOUCH TELLUS or V-Server.

Q2 Can I update SOFT MONITOUCH TELLUS and V-Server?

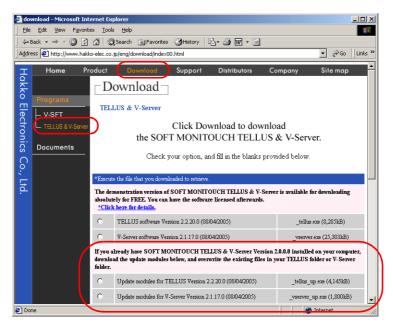
Yes, the update modules can be downloaded from our website.

Procedure

A2

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1) Visit our website at http://www.monitouch.com and open the Download page.



- 2) Download the update modules.
- On completion of downloading, double-click the compressed file [_tellusxxxx.exe] or [_vserverxxxx.exe]. It is decompressed and a [tellus] or [vserver] folder will be created.
- 4) Open the folder and copy all the files in it.
- 5) Paste these files in the SOFT MOINTOUCH TELLUS or V-Server folder* that is already installed on your computer. The existing files will be overwritten.
- * TELLUS and V-Server folders are installed in the following locations as default. TELLUS: C:\Program Files\Tellus V-Server: C:\Program Files\V-Server

Another method for updating the existing software is to install the software in the latest version. In this case, re-entering the password (page 1-7) is required to remove the restrictions on the software. Therefore, keep the password you received when you applied for the software license (page 1-4) in a secure place.

1-2

Q3 What is "licensing"?

A3 SOFT MONITOUCH TELLUS and V-Server are free software. You can use them as restricted trial software until licensing (page 1-4) is complete. Once the decision of the necessary function and the computer to be used is made, apply for the software license and you will receive a password (page 1-7). The restriction is removed from the software with the password.

There are 5 kinds of licenses:

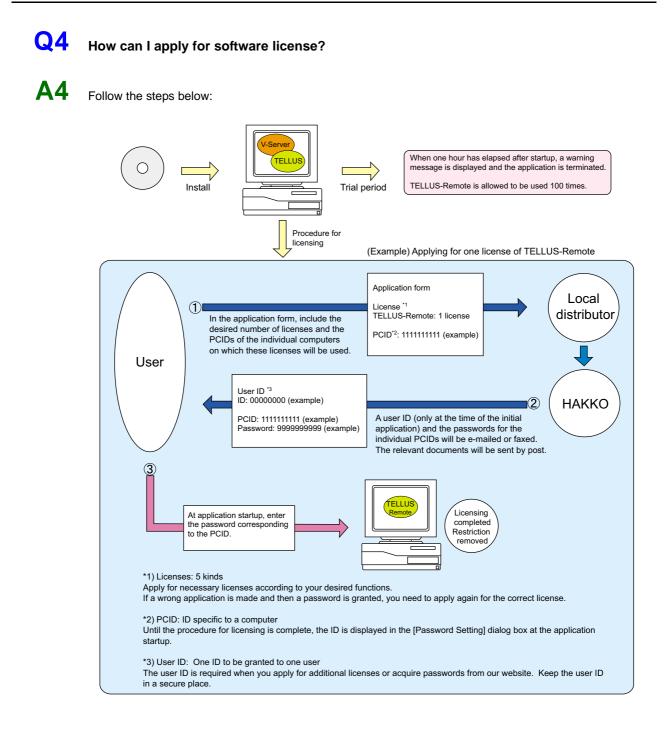
License	Software	Available Mode
TELLUS-HMI	SOFT MONITOUCH TELLUS	HMI mode Emulation mode
TELLUS-Remote	SOFT MONITOUCH TELLUS	Remote mode* HMI mode Emulation mode
V-Server	V-Server	V-Server
TELLUS & V-Server	SOFT MONITOUCH TELLUS V-Server (To be installed on the same computer)	V-Server TELLUS remote mode* TELLUS HMI mode Emulation mode
TELLUS-OP-L (PLC ladder monitor function)	SOFT MONITOUCH TELLUS	Ladder monitor (Remote mode) (HMI mode) (Emulation mode)

* It is required that V-Server be running on a networked computer.



The following restrictions are imposed until licensing is complete:

Mode	Running Time	Startup Count	
Emulation mode	1 hour	Not limited	
HMI mode	1 hour	Not limited	
Remote mode	1 hour	100 times	
V-Server	1 hour	Not limited	
Ladder monitor	1 hour	Not limited	



Q5 What is a user ID?

A5 When you apply for a license for the first time (page 1-4), we will issue a user ID. One user ID is granted per user.

Do not lose the user ID since it is required when you apply for additional licenses afterward.



A6

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A PCID is required for removing the restriction from SOFT MONITOUCH TELLUS and V-Server (page 1-3). When you apply for a license (page 1-4), the PCID is used. The PCID is unique to each computer. Use the individual PCIDs correctly.

• How to check the PCID:

1) Start the SOFT MONITOUCH TELLUS or V-Server. The dialog box below appears. However, it does not appear if licensing has been completed and the password has been entered.

Tellus	×
⚠	This application is running under tiral period. Do you want to set a password?
	<u>Yes</u> <u>N</u> o

2) Click the [Yes] button.

The [Password Setting] dialog box is displayed.

Passwo	ord Setting				×
Ple	ase contac	t us to o	btain a passw	ord.	
PC	CID :	808625	6035		
Pa	ssword :				
	ОК		Cancel	URL	

3) The PCID is specified in the box.

• Every PCID is computer-specific. When you apply for a license, check the PCID on the computer to be used for running SOFT MONITOUCH TELLUS or V-Server beforehand.

• A PCID may consist of symbols in addition to numerals. Take care not to overlook any of these symbols/numerals.

Q7 What is a password?

A7 The password is required for removing the restriction from SOFT MONITOUCH TELLUS and V-Server (page 1-3). It will be acquired by the application for a license (page 1-4). Every password is specific to each computer. A password and a PCID (page 1-6) are used as a pair on their corresponding computer. Therefore, a password for one computer is not valid on another computer. This point should be noted when you specify a PCID at the time of applying for a license.

Q8 What is the operating environment for SOFT MONITOUCH TELLUS and V-Server?

A8 • SOFT MONITOUCH TELLUS

Computer	Pentium II 450 MHz or equivalent or more recommended
OS Windows 98/Me/NT version 4.0/2000/XP (XP recommended)	
Memory	32 MB or more
Hard disk	30 MB or more

♦ V-Server

Computer	Pentium II 450 MHz or equivalent or more recommended
OS	Windows 98/Me/NT version 4.0/2000/XP (XP recommended)
Memory	32 MB or more
Hard disk	50 MB or more

Q9 Compatible list (MONITOUCH, PLC, etc.) for SOFT MONITOUCH TELLUS and V-Server

A9 • SOFT MONITOUCH TELLUS

	MONITOUCH	Screen Data File Extension	Remarks
Emulation mode	_	.V6/.V7	Some functions are not supported.*1
HMI mode	_	.V6/.V7	Usable PLC models are limited. Some functions are not supported. ^{*1}
Remote mode	V7i series V7 series + CU-03 V706 + DU-01 V612 + CU-03 V610 + CU-03 V608 + CU-03 V606i + CU-03	.V6/.V7	V606/V606e/V609E/V608CH are not available because communicating via Ethernet is not enabled. Usable PLC models are limited.

*1 For more information, refer to the SOFT MONITOUCH TELLUS and V-Server manuals.

V-Server

	MONITOUCH	Screen Data File Extension	Remarks
V-Server	V7i series V7 series + CU-03 V706 + DU-01 V612 + CU-03 V610 + CU-03 V608 + CU-03 V606i + CU-03	.V6/.V7	V606/V606e/V609E/V608CH are not available because communicating via Ethernet is not enabled.

PLC Models for TELLUS

		TELLU	JS HMI	TELLUS-
Maker	PLC	1:1	1:n	remote *9 & V-Server
	PLC-5	0	Δ	0
	PLC-5 (Ethernet)	0	0	0
	SLC500	0	Δ	0
Allen-Bradley	SLC500 (Ethernet)	0	0	0
	Micro Logix 1000	0		0
	Control Logix Control Logix (Ethernet)	0	 0	0 *4 0 *4
	Direct LOGIC	0	Δ	0 *4
Automationdirect	Direct LOGIC (K-Sequence)	Δ	×	0
	Direct LOGIC (Ethernet)	Δ	Δ	0
Baldor	Mint	Δ	Δ	0
DELTA	DVP series		Δ	Δ
FANUC FATEK	Power Mate	Δ	×	0
AUTOMATION	FACON FB series	Δ	Δ	Δ
FESTO	FEC	Δ		0
	MICREX-F series	0	0	0
	MICREX-F (T link)	×	×	
	SPB (N mode)	0	0	0
	& FLEX-PC series SPB (N mode) & FLEX-PC CPU	Δ	Δ	Δ
FUJI	FLEX-PC COM (T)	Δ		0
	FLEX-PC (T)	0		0
	FLEX-PC CPU (T)	Δ		Δ
	FLEX-PC CPU (OPCN-1)	×	×	
	MICREX-SX (all)	0	×	O *8
05 5	90 series	0		0
GE Fanuc	90 series (SNP-X)	0	×	0
	HIDIC-H	0	Δ	0
	HIDIC-S10/2α	0	×	0
	HIDIC-S10/ABS	Δ	×	0
HITACHI	HIDIC-S10 (OPCN-1)	×	×	×
	HIDIC-S10/2α, S10mini	0	0	0
	(Ethernet)	-	_	
	HIDIC-S10V	O*2	×	O*3.4
	HIDIC-S10V (Ethernet) MICRO3	0	Δ	O*3,4 O
IDEC	MICRO Smart	0		0
	KZ series link	0		0
	KZ-A500 CPU	0	×	0
	KZ/KV series CPU	Δ	×	0
KEYENCE	KZ24/300 CPU	Δ	×	0
	KV10/24 CPU	Δ	×	0
	KV-700 CPU	0	×	0
	KV-700 (Ethernet)	Δ	Δ	0
	SU/SG	0	\triangle	0
	SR-T	0	Δ	0
KOYO	SR-T (K protocol)	Δ	×	0
	SU/SG (K-Sequence)	Δ	×	0
	MASTER-K10/60/200	Δ	×	0
	MASTER-K500/1000		Â	0
	MASTER-KxxxS		×	0
	MASTER-KxxxS CNET	Δ	Δ	0
LG	MASTER-K series (Ethernet)	Δ	Δ	0
	GLOFA CNET	Δ	Δ	0
	GLOFA GM series CPU	Δ	×	0
	GLOFA GM series CPU (Ethorpot)	Δ	Δ	0
	(Ethernet) MEWNET	Δ	Δ	0
MATSUSHITA	FP series (Ethernet TCP/IP)		×	0
	FP series (Ethernet UDP/IP)		Δ	0
	A series link	0	0	0
	A series CPU	0	×	0
	A series (OPCN-1)	×	×	
	A series (CC-LINK)	×	×	
	QnA series link	0	0	0
MITSUBISHI	QnA series CPU	0	×	0
	QnA series (CC-LINK)	×	×	
	QnA series (Ethernet)	0	0	0
	QnH(Q) series link	0	Δ	0
	QnH(A) series CPU	0	×	0
				0
	QnH(Q) series CPU Q00J/00/01 CPU	0	×	0

				2004/2/10
Maker	PLC	TELLU	JS HMI	TELLUS- remote *9
Marcer	120	1:1	1:n	& V-Server
	QnH(Q) series (CC-LINK)	×	×	
	QnH(Q) series (Ethernet)	0	0	0
	FX series CPU	0	×	0
MITSUBISHI	FX2N series CPU FX1S series CPU	0	×	0
	FX is series CPU FX series link (A protocol)	0	Ô	0
	Net10	×	×	
	A link + Net10	×	0	0
MODICON	Modbus RTU	Δ	Δ	0
MOELLER	PS4	Δ	Δ	0
	SYSMAC C	0	0	0
	SYSMAC C (OPCN-1)	×	×	□*1
	SYSMAC CV	0	Δ	0
	SYSMAC CS1/CJ1	0	0	0
OMRON	SYSMAC CS1/CJ1 DNA	Δ	Δ	O*1
	SYSMAC CS1/CJ1(Ethernet)	0	0	0
	SYSMAC CS1/CJ1	0	0	0
	(Ethernet Auto) SYSMAC CS1/CJ1 DNA	0	0	
	(Ethernet)			0
SAIA	PCD			Δ
SAMSUNG	SPC series			0
SAIVISUNG	N_plus SECNET			0
	JW series	0		0
	JW100/70H COM port	0		0
	JW20 COM port	0	0	0
	JW (FL-Net)	×	×	×
SHARP	JW series (Ethernet)	0	0	0
01044	JW300 series	Δ		Δ
	JW311/312/321/322 series (Ethernet)	Δ	Δ	Δ
	JW331/332/341/342/352/362 series (Ethernet)	Δ	Δ	Δ
SHINKO	SELMART	Δ	Δ	0
	S5	0	×	O *7
	S5 PG port	Õ	Δ	0 *7
	S7	0	×	O *7
	S7-200 PPI			∆ *7
	S7-300/400MPI	Δ	Δ	∆ *7
SIEMENS	S7-300MPI (HMI ADP)	0	×	O *7
	S7-300MPI (PC ADP)	0	×	O *7
	S7-300MPI (Helmholz SSW7 ADP)	0	×	0 * ⁷
	S7 PROFIBUS-DP	×	×	∆ *7
	TI500/505	Δ	×	0
TAIAN	TP02			0
Telemecanique	TSX Micro	0	×	0
TOSHIBA	T series			0
TOSHIBA	EX series			0
MACHINE	TC200	△	△	Δ
TOYOPUC	TOYOPUC			0
VICOD	TOYOPUC (Ethernet)			0
VIGOR YAMATAKE	M series MX series			
	Memobus			O *6
	CP9200SH/MP900			0
YASKAWA				O *5
YASKAWA	FA500	0		
			 ○	0 ⁺⁵
YASKAWA YOKOGAWA	FA500	0		
	FA500 FA-M3	0	0	0 ^{*5}
	FA500 FA-M3 FA-M3R	0 0 0	0	0 ^{*5} 0*5
-	FA500 FA-M3 FA-M3R FA-M3/FA-M3R (Ethernet)	0 0 0	0 0 0	0 ^{*5} 0*5 0*5
-	FA500 FA-M3 FA-M3R FA-M3/FA-M3R (Ethernet) FA-M3R(FL-Net) MODBUS RTU (Free Format) MODBUS TCP/IP (Ethernet)	0 0 0 ×	0 0 0 ×	O ^{*5} O*5 O*5 ×
	FA500 FA-M3 FA-M3R FA-M3/FA-M3R (Ethernet) FA-M3R(FL-Net) MODBUS RTU (Free Format) MODBUS TCP/IP (Ethernet) Universal serial	0 0 0 ×	0 0 × 4	O *5 O *5 O *5 × O
	FA500 FA-M3 FA-M3R FA-M3/FA-M3R (Ethernet) FA-M3R(FL-Net) MODBUS RTU (Free Format) MODBUS TCP/IP (Ethernet) Universal serial Universal FL-Net	0 0 0 × Δ Δ 0 ×	0 0 × Δ Δ 0 ×	0*5 0*5 × 0 0 0 ×
	FA500 FA-M3 FA-M3R FA-M3/FA-M3R (Ethernet) FA-M3R(FL-Net) MODBUS RTU (Free Format) MODBUS TCP/IP (Ethernet) Universal StCP/IP (Ethernet) Universal FL-Net Universal PROFIBUS-DP	0 0 0 × Δ 0 × 0 ×	0 0 × Δ 0 ×	0*5 0*5 × 0 0 0 0 ×
-	FA500 FA-M3 FA-M3R FA-M3/FA-M3R (Ethernet) FA-M3R(FL-Net) MODBUS RTU (Free Format) MODBUS TCP/IP (Ethernet) Universal serial Universal FL-Net	0 0 0 × Δ Δ 0 ×	0 0 × Δ Δ 0 ×	0*5 0*5 × 0 0 0 ×

O: Available ×: Not available △: Consult with your local distributor. □: Available with V7i only

Note: Connection in the HMI mode does not support multi-link and multi-link 2.

*1: Only transfer mode 1 is allowed.

*2: Only RS422 is allowed.

*3: In a case where [Trigger: Memory] and [Type: Word] are specified in the V-Server [Event Setting] dialog box, processing is performed in units of one word, even with a double-word device.

*4: In a case where [Trigger: Memory] and [Type: Bit] are specified in the V-Server [Event Setting] dialog box, high-order bits (bit 16 through bit 31) of a double-word device are not usable.

*5: Macro command [PLC_ULR] is not supported.

*6: Only transfer mode type 2 is allowed.

*7: In a case where [Trigger: Memory] and [Type: Bit] are specified in the V-Server [Event Setting] dialog box, PLC memory is not usable.

- *8: T-link, OPCN-1, and SX bus are available with V7i only.
- *9: If "O" is shown and also if "TELLUS HMI 1:1" is marked with " Δ " or "X", the message "Remote mode is not supported." will appear. Ignore the message and go ahead with the operation.

Maker	Temperature controller	TELLUS HMI	TELLUS remote
Marci	remperature controller	TELECOTINI	&V-Server
A&D	AD4402 (MODBUS RTU)	0	0
Add	AD4404 (MODBUS RTU)	0	0
	DZ1000 (MODBUS RTU)	Δ	0
CHINO	DZ2000 (MODBUS RTU)	Δ	0
CHINO	KP1000	Δ	Δ
	LT400 Series (MODBUS RTU)	Δ	0
EUROTHERM	2400 series (MODBUS RTU)	0	0
	PYX (MODBUS RTU)	Δ	0
	PYH	Δ	0
	PXR (MODBUS RTU)	Δ	0
	F-MPC04P	Δ	0
	FVR-E11S	Δ	0
	FVR-C11S	Δ	0
FUJI	FRENIC5000G11S/P11S	Δ	0
	FRENIC5000VG7S	Δ	0
	FRENIC-Mini (MODBUS RTU)	Δ	0
	HFR-C9K	Δ	0
	PPMC (MODBUS RTU)		<u>ک</u>
	FALDIC-α Series		Δ
	PH Series		0
	SJ300 Series	Δ	0
HITACHI			-
	L300P Series		0
IAI	Super SEL Controller	Δ	0
	X-SEL Controller	Δ	0
LG	iS5	Δ	0
	iG5	Δ	0
	FR-*500	Δ	0
MITSUBISHI	MR-J2S-*A	Δ	Δ
	MR-J2S-*CL	Δ	Δ
Modbus Free	-	Δ	0
M-SYSTEM	R1M Series (MODBUS RTU)	0	0
	R5 Series (MODBUS RTU)	0	0
NIKKI DENSO	SQB-6432B	Δ	0
	EC5500S	Δ	0
OHKURA	EC5800	Δ	0
OHRONA	EC5600S	Δ	0
	EC5900A	Δ	0
	E5CK	0	0
	E5ZE	0	0
	E5ZD	0	0
	E5EK	Ō	0
	E5EK-T	0	0
	E5AK	0	0
OMRON	E5AK-T	0	0
	E5CK-T	0	0
	E5AN/E5EN/E5CN/E5GN	0	0
	E5ZN	0	0
	E5AR/E5ER	0	0
	V600/V620		-
			0
	SR-Mini (MODBUS RTU) CB100/CB400/CB500/	0	0
	CB700/CB900(MODBUS RTU)	0	0
	SR-Mini (Standard Protocol)	Δ	0
RKC	REX-F400/F700/F900		
	(Standard Protocol)	Δ	0
	REX-F9000	Δ	0
	(Standard Protocol)	0	0
	SRV (MODBUS RTU)	0	0

erature Controller & Inverter Models for TELLUS

			2004/2/10
Maker	Temperature controller	TELLUS HMI	TELLUS remote &V-Server
SAMSUNG	MOSCON-E7	Δ	Δ
SANMEI	Cuty Axis	Δ	Δ
San Rex	DC AUTO (HKD type)	Δ	0
	C Series	Δ	0
SHINKO	FC Series	Δ	0
TECHNOS	GC Series	Δ	0
TECHNO3	DCL-33A	Δ	0
	JCx-300 Series	Δ	0
	VF-S7	Δ	0
TOSHIBA	VF-S9	Δ	0
	VF-A7	Δ	Δ
UNIPULSE	F340A	Δ	0
UNIPULSE	F371	Δ	0
	SDC10	0	0
	SDC20	0	0
YAMATAKE	SDC21	0	0
	SDC30/31	0	0
TAMATAKE	SDC40A	0	0
	DMC10	0	0
	SDC40G	0	0
	DMC50	0	0
YASKAWA	VS mini V7 Series	Δ	0
	UT100	0	0
	UT750	0	0
	UT550	0	0
	UT520	0	0
	UT350	0	0
Yokogawa M&C	UT320	0	0
rokogawa wac	UP350	0	0
	UP550	0	0
	UP750	0	0
	UM330	0	0
	UM350	0	0
	UT2400/2800	0	0

O: Available ×: Not available

 Δ : Consult with your local distributor.

Note1: Macro TEMP_CTL is not available on remote mode.

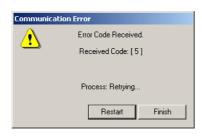
Note2: In a case where [Trigger: Memory] and [Type: Bit] are specified in the V-Server [Event Setting] dialog box, high-order bits (bit 16 through bit 31) of a double-word device are not usable.

* For information on PLC2Way models supporting TELLUS, consult your local distributor.

2 SOFT MONITOUCH TELLUS

Emulation mode
 HMI mode
 Remote mode

Q1 The error message "Error Code Received. Received Code: [5]" appears (on the simulator in the emulation or HMI mode)



A1

Error code 5 is displayed in case of access to an address that does not exist.

The emulation mode substitutes the simulator for the PLC. The simulator is provided with the [Memory Setting] dialog box in which the range of memory can be specified. When you set memory in the dialog box, be sure that the set memory is available in the PLC to be connected afterward.

Procedure

- 1) On the simulator software, select [PLC Type] from the [File] menu. Check to see that the PLC type is correct.
- 2) From the above-mentioned [File] menu, select [Memory Setting].
 - The [Memory Setting] dialog box is displayed.

😽 V Simulator		<u>_[</u>	l ×
File View Communication	Help		
New Open PLC Type Communication Setting	Ctrl+N Ctrl+O	VERNER MARKER S	
Comm. through USB			
Memory Setting			
Exit			

3) Enter the range of memory that is available in the PLC. Click the [OK] button.

Memory Se	tting (No. o	f Words)		×
_				
D	10	TC	1024	
W	1024	CS	1024	
R	1024	CC	1024	
TN	1024	Н	1024	
CN	1024		0	
SPU	1024		0	
м	1024		0	
L	1024		0	
В	1024		0	
×	1024		0	
Y	1024		0	
TS	1024		0	
🗌 Make	e all data clea	red.		
	OK	Car	ncel	



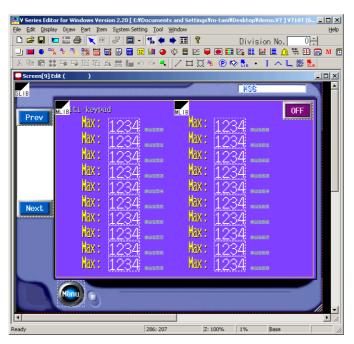
Even if the memory addresses allocated to the screen data are not available in the PLC, it is possible for the simulator to display the emulation screen. In this case, the memory addresses are within the range set in the [Memory Setting] dialog box. However, when connection with the PLC has been established, the MONITOUCH will show the error message "Error Code Received. Received Code: [xx]." Therefore, it is recommended that the dialog box be set according to the range of memory available on the PLC.

Q2 How do I register memory addresses of the screen data in the simulator (emulation enabled) automatically?

A2 Start both V-SFT and TELLUS at the same time.

Procedure

1) Start V-SFT and open the screen data.

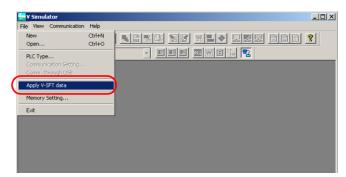


2) Start TELLUS (the simulator in the emulation or HMI mode).

ile View Help 🛺 🖽 📑 🖨) - • E	?				
_				and	Operator: I	zumi
	Aulti-keypad					OFF
Prev	Max :		Max:			
	Max :		Max:			
	Max :		Max:			
	Max :		Max:			
	Max :		Max:			
Next	Max :		Max:			
	Max :		Max:			
	Max:		Max:			
	Max:		Max:			
	Max :		Maxt			
	Menu	-				-

 $\overline{\mathbf{\cdot}}$

From the V-SFT [File] menu, select [Start Emulator]. The emulation-mode TELLUS starts. Also, by clicking [Apply Emulate data], changes made to the screen data are reflected throughout the TELLUS emulation screens. 3) From the [File] menu of the simulator (emulation enabled) that has been started together with TELLUS, select [Apply V-SFT data.]



A sheet is created on the simulator automatically. Any changes made to simulator values will also be made to the TELLUS screen.

🚼 ¥ Simulator - Scrn0009				_O×
Eile Edit ⊆ommunication ⊻iew				
	n n 🖣 📑			
9:		- 🛛 🗖 🖉 🔤	W 🗉 🌆 🔁	
System				
D00000	[0000]	[Read Area]	<u> </u>
Scrn0009		Theat in ea		
\$u00159 \$u00160 \$u00161 \$u00162 \$u00163 \$u00164 \$u00165 \$u00166 \$u00167 \$u00168 \$u00168		D] [Memory [Memory] [Memory] [Memory] [Memory] [Memory] [Memory] [Memory] [Memory] [Memory] [Memory] [Memory		*
Ready			MITSUBISHI ELECTRIC :	A series link Stop //

4) If the V-SFT screen has been changed, save the screen and perform step 3). The changes will be reflected in the simulator.



When you are running TELLUS only (without starting V-SFT), memory registration should be made manually. Proceed to file creation from the option [New] of the simulator.

Q3 The remote mode has been used 100 times. Can I use the remote mode again by reinstalling TELLUS?

A3 Unfortunately, no. TELLUS in remote mode can be used 100 times as a trial period (page 1-3). If you want to use TELLUS in remote mode again, please apply for the license (page 1-4) and get a password (page 1-7).

Q4 Can I switch between Chinese and English?

A4 Yes. But the method differs, depending on the OS in use.

On Windows XP

The procedure below is required to make the Chinese display possible on the English OS.

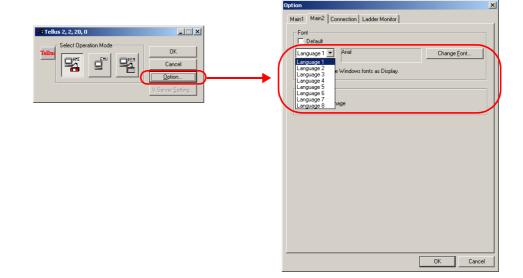
Procedure

- 1) From the [Start] menu, select [Settings] and then [Control Panel].
- 2) Double-click [Regional and Language Options]. The dialog box is displayed.
- 3) Under [Code page conversion tables] in the [Advanced] tab window, choose the Chinese language.

	ptions Langu	lages	Advanced	1		
Languag	e for non-Unic	ode pro	grams			
and dial	tem setting en ogs in their na s, but it does a	tive lang	juage. It d	oes not	affect Uni	
	language to r s you want to		ie languag	ie versio	n of the n	on-Unicode
English	(United State	s)				
✓ 21✓ 25	027 (Ext Alph: 866 (Ukrainia 1591 (ISO 885) 1592 (ISO 885)	n - KOI8 9-1 Latir	HU) (11)	•)		
	iser account s	0000000000				
	y all settings to profile	the cu	rrent user a	account	and to the	e detault

4) Click the [OK] button. Chinese (simplified) is now displayable on the English OS.

- 5) Start TELLUS.
- 6) Open the [Option] dialog box.



7) Make a setting under [Font]. According to the [Font Setting] set for the screen data, choose the font for each language.

On Windows 2000

The procedure below is required to make the Chinese display possible on the English OS.

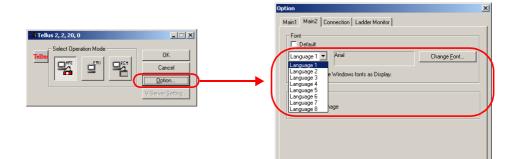
Procedure

- 1) From the [Start] menu, select [Settings] and then [Control Panel].
- 2) Double-click [Regional Options]. The dialog box is displayed.
- 3) Under [Language settings for the system], choose the Chinese language.

gional Options	?
Seneral Numbers Currency Time Date Input Locales	
Settings for the current user	
Many programs support international settings for numbers, currencies, times, and dates. Set the locale in order to use the standard settings.	
Your locale (location):	
English (United States)	•
Language settings for the system Your system is configured to read and write documents in multiple Janguages.	
Simplified Chinese	
	_
☐ Tnat ☐ Traditional Chinese ☐ Turkic 	
Traditional Chinese	

- 4) Click the [OK] button. Chinese (simplified) is now displayable on the English OS.
- 5) Start TELLUS.

6) Open the [Option] dialog box.



7) Make a setting under [Font]. According to the [Font Setting] set for the screen data, choose the font for each language.

•	•
1	1
~	~

Changing the font settings after TELLUS startup

1. From the [File] menu or using the RUN/STOP icon, bring TELLUS to a stop.

[File] menu	Icon
Tellus [RUN] - [V7demoVGA_E.V7] Fie View Help	Tellus [RUN] - [V7d
Printer Setting	
Copy Image to Clipboard Change Port Ethernet Detail Setting	
Option Create Shortcut	

- 2. From the [File] menu, select [Option]. The [Option] dialog box is displayed.
- 3. Under [Font], choose the font for each language.

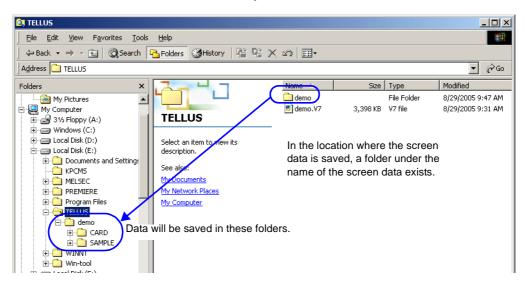
Q5 I use memory cards or SRAMs on the V series. How about in the HMI mode?



 $\overline{\mathbf{\cdot}}$

The data is saved in the computer memory. Locations:

- The SMPLE folder saves the sampling data (only when [SRAM/CF] is selected for [Store Target]).
- The CARD folder saves the data in the memory card mode.



Sampling data will be saved in the SAMPLE folder, provided that [SRAM/CF CARD] is selected for [Store Target] in the [Buffering Area Setting] dialog box. The save operation starts when the state is switched from RUN to STOP.

With [Internal Buffer] selected for [Store Target], the sampling data is cleared when the state is switched from RUN to STOP.

Q6 Are communications via Ethernet possible in the HMI mode?



Yes. The following PLCs are available:

* Multi-link/Multi-link 2 not supported

Manufacturer	V-SFT [Select PLC Type]	PLC	Ethernet Unit Model		
MITSUBISHI	QnA series (Ethernet)	Q2A Q3A Q4A Q2ASx	AJ71QE71 AJ71QE71-B5 A1SJ71QE71-B2 A1SJ71QE71-B5		
	QnH(Q) series (Ethernet)	QnH (Q mode)	QJ71E71 QJ71E71-B2		
	SYSMAC CS1/CJ1 (Ethernet)				
OMRON	SYSMAC CS1/CJ1 (Ethernet Auto)	CS1 CJ1	CS1W-ETN01 CJ1W-ETN11		
	SYSMAC CS1/CJ1 DNA (Ethernet)				
Hitachi	HICDIC-S10/2α, S10mini (Ethernet)	S10 2α S10 mini	LQE020		
	HIDIC-S10V (Ethernet)	S10V	LQE520		
YOKOGAWA	FA-M3/FA-M3R (Ethernet)	FA-M3 FA-M3R	F3LE01-5T F3LE11-0T		
	PLC-5 (Ethernet)	PLC-5	PLC-5/20E PLC-5/40E PLC-5/80E		
Allen-Bradley	SLC500 (Ethernet)	SLC 5/05	1747-L552 1747-L551 1747-L553		
	Control Logix (Ethernet)	Control Logix	1756-ENET-A		



For other models available, refer to "Q9" from page 1-9.

Q7 Connection with YOKOGAWA FA-M3 via Ethernet cannot be established.



Check the settings below.

Screen data

- From [Select PLC Type], select [FA-M3 (Ethernet)].
- Register the PLC in the network table.
 - IP address:Match the IP address to the setting on the Ethernet unit for the PLC.Port No.:12289 (Fixed according to the PLC specifications)Others:Set the default gateway and subnet mask appropriately for the network.

For PLC

Set an IP address of the PLC on the Ethernet unit (using the switches on the side).

- SW1 SW8: Used for IP address setting
- SW9:

No.	ON/OFF
1: DATA CODE	ON: BINARY
2: PROTECTION	OFF
3:	OFF
4:	OFF
5:	OFF
6:	OFF
7: TCP CONNECTION ON TIMEOUT ERROR	OFF: CLOSE
8: MODE	OFF: NORMAL

Wiring (for 10Base-T)

- ♦ 1:1 connection (without hub)
 - Use a cross cable.

♦ 1:1 connection (with hub) or 1:n connection

• Use a straight cable.



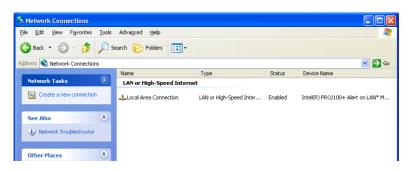
For information on AUI connection, refer to the PLC Connection Manual or the instruction manual for the PLC.

Computer IP address setting

Follow the procedure below to set a computer IP address. The procedure may vary, depending on the OS in use. The procedure below is provided for Windows XP. With Windows 2000, refer to page 2-15, "Computer IP address setting."

Procedure

- 1) From the [Start] menu, select [Settings] and then [Control Panel]. The [Control Panel] dialog box is displayed.
- 2) Double-click [Network Connections]. The [Network Connections] dialog box is displayed.



3) Select [Local Area Connection]. From the right-click menu, select [Properties]. The [Local Area Connection Properties] dialog box is displayed.

Connect using:		
Intel(R) PR0/10	00+ Alert on LAN* Man	agement Adapter
		Configure
This connection uses t	he following items:	
🗹 🛄 Client for Micr		
🔽 📮 File and Printe	er Sharing for Microsof	Networks
Internet Proto	icol (TCP/IP))
Internet Proto	col (TCP/IP))
)
Install	icol (TCP/IP)	P <u>r</u> operties
		Properties
Install Description Transmission Contro wide area network p		otocol. The default
Install Description Transmission Contro wide area network p	Uninstal Protocol/Internet Pro protocol that provides of connected networks.	otocol. The default communication

4) Select [Internet Protocol (TCP/IP)]. Click the [Properties] button. The [Internet Protocol (TCP/IP) Properties] dialog box is displayed.

Internet Protocol (TCP/IP) Proper	rties ?X
I You can get IP settings assigned au this capability. Otherwise, you need the appropriate IP settings.	itomatically if your network supports to ask your network administrator for
C Obtain an IP address automati	cally
Use the following IP address: IP address:	
Subnet mask:	
Default gateway:	
C Obtain DNS server address au	utomatically
• Use the following DNS server	addresses:
Preferred DNS server:	
Alternate DNS server:	
	Advanced
	OK Cancel

5) Set an IP address. When necessary, also make settings for [Subnet mask] and [Default gateway].

TELLUS (Ethernet detail setting)

Dption	×	Ethernet Detail Setting
Main1 Main2 Connection Ladder Monitor Start Start Start Start Start Start Start Stow Toolba Stow Toolba Diable Display Storton Diable Display Storton Diable Display Storton Diable Display Storton Storeen Change from Menu Diable Display Storton Storeen Size Fit to Screen Size V Fit to Screen Size Storeen Size Diable Display Storeen Change from Menu Diable Display Storeen Change from Menu Diable Close Button Screen Size V Fit to Screen Size Storeen Size V Fit to Screen Size Storeen Size Diable Display Storeen Size Storeen Size Storeen Size Storeen Size Diable Display Storeen Size Storeen Size Diable Display Storeen Size Storeen Size Storeen Size Storeen Size Diable Display Storeen Size Storeen Size Diable Display Storeen Size Storeen Size Storeen Size Storeen Size Storeen Size Storeen Size Buzzer Use Beep sound Generate fo	Button Position: Fight Top Y 1280 by 1024 pixels Change Port Detail Setting Change Folder	Host : tani-e [192.168.1.175] Local Port Setting Use Network Table Port No. 10000 Send Time-out Period 15 Send Time-out Period 15 Send Time-out Period Internal Memory MemCard Memory Please set the following when connecting PLC via Ethernet. PLC COM Port PLC COM Port PLC COM Port DK Cancel OK Cancel

♦ [Local Port Setting]

Set a TELLUS port number, etc.

In a case where a local port is set in the network table (screen data), check [
 Use Network Table]
 and enter the table number.

 $\overline{\mathbf{\cdot}}$

In the above case, all the settings except for the IP address in the network table take effect. As for the IP address, the address specified in [Control Panel] of the computer takes effect.

• In a case where no local port is set in the network table (screen data), make a setting in this dialog box.

♦ [PLC COM Port]

- [
 ☐ Specify Port No.]
 This setting is not required. Leave it unchecked.
- [□ Use Monitor Registration]
 Check this box when using the monitor registration function of the PLC.

Q8 Connection with MITSUBISHI QnH(Q) series via Ethernet cannot be established.

A8

Check the settings below.

Screen data

- From [Select PLC Type], select [QnH(Q) Series (Ethernet)].
- Register the PLC in the network table.

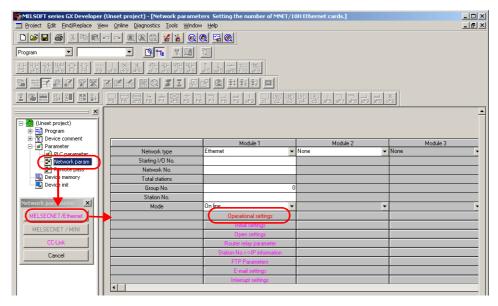
IP address:	(Match the IP address to the setting on the Ethernet unit for PLC.)
Port No.:	(Match the port number to the setting for the PLC.)
Others:	Set the default gateway and subnet mask appropriately for the network.

PLC

Make settings on the ladder software.

IP address setting

- 1) Double-click [Network param]. The [Network parameters] dialog box is displayed.
- Click the [MELSECNET/Ethernet] button. The [Network parameters Setting the number of MNET/ 10H Ethernet cards.] screen is displayed.



3) Click the [Operational settings] button. The [Ethernet operations] dialog box is displayed. Make settings for the IP address and other options.

Ethernet operations		×
Communication data code-	Initial timing	
Binary code	 Do not wait for OPEN (Control impossible at STOP time) 	
C ASCII code	Always wait for OPEN (C possible at STOP time)	
IP address		Send frame setting
Input format DEC.		Ethernet(V2.0)
IP address 192	168 1 100	C IEEE802.3
Enable Write at RUN tim	e	
	End Cancel	

Port number setting

There are two different ways to set a port number. [Automatic open UDP port] is used for communications in a case where any Ethernet unit is available (models available are not designated). [Open setting] is used in a case where communications are conducted only with the unit connected via Ethernet.

• Automatic open UDP port

The port number can be changed on the PLC programming software. 5000 (DEC) is set as default.

- Open setting
 - 1) On the [Network parameters Setting the number of MNET/10H Ethernet cards.] screen, click [Open settings]. The [Network parameter Ethernet open setting.] screen is displayed.

MELSOFT series GX Developer	(Unset	project) -	[Network parameter E	thernet op	n setting. Module I	No.1]				_ 🗆 ×
Project Edit Find/Replace Vie	w <u>O</u> nli	ne <u>D</u> iagno	stics <u>T</u> ools <u>W</u> indow <u>H</u> e	elp						X
	20		🍭 🛃 🖹 🧕	Pa						
Program 💌		-								
1 H H H 1/H 4/H	sF9 o	米 米 F9 aF10	11⊢ +↓↓⊢ 411⊢ +↓↓↓ ■F7 ■F8 ■F7 ■F8 ■F5	J → 7 caF5 caP10 F	10 aF9					
		S H	<u> </u>	● 封						
· · · · · · · · · · · · · · · · · · ·		E SF6 F		1 7F8F9			1 7 7 aF8 a	L =1 X F9 aF10 cF9		
X										
🖃 🙆 (Unset project)		Protocol	Open system	Fixed buffe	Fixed buffer communication	Pairing open	Existence confirmation	Local station Port No.	Destination IP address	Dest. Port No.
	1	UDP 🔻		Send	Procedure exist 🔻	No pairs 🔻		1770		2710
	2	-				-	-			
PLC parameter	3					-	•			
PLC parameter PLC parameter	4									
🔊 Remote pass	6					· · ·				
Device memory Device init	7						•			
	8	•	•		· 🗸	-	•			
	9					-	-			
	10		•		· 🗸	•	•			
	11		-		-	-	-			

2) Set the options.

[Protocol]

UDP/IP (The V series supports the UDP/IP protocol.)

- [Local station Port No.] (in hexadecimal)
 Set the PLC port number in beyadecimal to be used
- Set the PLC port number in hexadecimal to be used under this connection number.
- [Fixed buffer]
- Either [Send] or [Receive] is allowed.
- [Fixed buffer communication]
- [Procedure exist] (The V series conducts communications under the MC protocol.)
- [Destination IP address]
 - Set the IP address of the V series that will communicate with the port set for [Local station Port No.].
- [Dest. Port No.] (in hexadecimal)
 Set the port number of the V series corresponding to the above [Destination IP address] in hexadecimal.
- The IP address and port number of the V-series can be checked on the [Main Menu] (local main) screen displayed on the V series.
- For more details or information on the options other than the above, refer to the manual for the MITSUBISHI Ethernet interface unit.

Wiring (for 10Base-T)

- 1:1 connection (without hub)
 - Use a cross cable/

1:1 connection (with hub) or 1:n connection

· Use a straight cable.



 (\cdot)

For information on AUI connection, refer to the V7 Hardware Specifications or the instruction manual for the PLC.

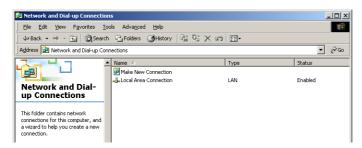
2

Computer IP address setting

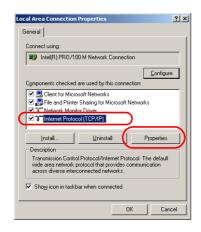
Follow the procedure below to set a computer IP address. The procedure may vary, depending on the OS in use. The procedure below is provided for Windows 2000. With Windows XP, refer to page 2-11, "Computer IP address setting."

Procedure

- 1) From the [Start] menu, select [Settings] and then [Control Panel]. The [Control Panel] dialog box is displayed.
- 2) Double-click [Network and Dial-up Connections]. The [Network and Dial-up Connections] dialog box is displayed.



3) In the dialog box, select [Local Area Connection]. From the right-click menu, select [Properties]. The [Local Area Connection Properties] dialog box is displayed.



4) Select [Internet Protocol (TCP/IP)]. Click the [Properties] button. The [Internet Protocol (TCP/IP) Properties] dialog box is displayed.

I	nternet Protocol (TEP/IP) Properties General	<u>? ×</u>
	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	
	C Obtain an IP address automatically	
/	Use the following IP address:	
1	IP address:	N
	Sybnet mask:	
	Default gateway:	Ϊ
	C Ogtain DNS server address automatically	
	Use the following DNS server addresses:	
	Preferred DNS server:	
	Alternate DNS server:	
	Advanced	
	OK Cano	el

5) Set an IP address. When necessary, also make settings for [Subnet mask] and [Default gateway].

 $\overline{\mathbf{\cdot}}$

Whenever an IP address change is made, turn the computer off and then back on.

TELLUS (Ethernet detail setting)

Option	Ethernet Detail Setting
Main1 Main2 Connection Ladder Monitor Stat Stat Stat in Full Screen ♥ Show Toolbar Button Position: Bisbow Menu Oblagke Sutton Big/st Top Disable Display Switching bp F11 Key Disable Close Button Disable Close Button Screen Size ▼ Fit to Screen Size 1280 by 1024 pixels ▼ Serial Port Change Eort M11 : COM2 Use Simulator Ethemet Local Port 10000	Host : tani-e [192.168.1.175] Local Port Setting Use Network Table Port No. 10000 = Send Time-out Period 15 = sec Memory Protect Internal Memory NemCard Memory Please set the following when connecting PLC via Ethernet. PLC COM Port
Buzzer └ Use Beep sound Generate folder at: └ Default Position EVProgram FilestTellus Change Folder	Specify Port No. Port No: 10001 Use Monitor Registration

[Local Port Setting]

Set a TELLUS port number, etc.

 In a case where a local port is set in the network table (screen data), check [Use Network Table] and enter the table number.

 $\overline{\mathbf{\cdot}}$

In the above case, all the settings except for the IP address in the network table take effect. As for the IP address, the address set in the [Control Panel] of the computer takes effect.

• In a case where no local port is set in the network table (screen data), make a setting in this dialog.

[PLC COM Port]

• [Specify Port No.]

Check this box if [Open setting] has been used for port number setting on the PLC side.

On the [Network parameter Ethernet open setting] screen to be opened from [Open settings] on the PLC programming software, see the number specified for [Dest. port No.] (in hexadecimal). Enter the above number in decimal form.

MELSOFT series GX Develope	_		<u> </u>	_		_		setting. Module N	No.1]						미지
Project Edit Eind/Replace	liew	<u>O</u> nlin	ne <u>D</u> iag	gnosi	ics <u>T</u> ools <u>W</u> indow <u>H</u> e	elp								_	리지
	5	\sim		Q C	8800	E	3 🛞								
Program 💌			•	ß											
1 + 4 + 4/+ 4/+ -0	9	→ sF9 of	← 米 19 aF10	두端	H +NH 41H 4NH ↑ 7 sF8 aF7 aF8 aF5	, ca		TX: aF9							
	12		-	阁《		G	副封封								
			6 sF6	I⇒ F8		1 7	F8 F9			5 5	1 7 7 aF8 a	L L X. F9 aFI0 cF9			
×	Г														•
🖃 🙆 (Unset project)			Protoc	col	Open system	F	Fixed buffer	Fixed buffer communication	Pairin oper		Existence confirmation	Local station Port No.	Pestination IP address	Dest. Port No.	
Program Program Program Program Program		1	UDP	-	*	S	Send 💌	Procedure exist 💌	No pairs				192.168. 1.65	2710	
Parameter		2		-	•	-	•	•		•	<u> </u>				
PLC parameter		3		-	•	-	•	-		•	-				
W Network param		4													
Remote pass		5		-	-	-	-	•		• •					
		6		*	• •	-	* *	•		• •					
Device memory	-	8		÷		-	•	•		•	•				
		<u> </u>		-	•	+	•	•		. ·	•				

If [Automatic open UDP port] has been used for port number setting, leave the box [Specify Port No.] unchecked.

 $\overline{\mathbf{\cdot}}$

• With [Specify Port No.] checked, the port number set here is used for communications with the PLC. The port number specified for the local port (the network table) is used for communications with TELLUS, V-series, or your PC.

• With [Specify Port No.] unchecked, the port number specified for the local port (the network table) is used for every communication.

• [Use Monitor Registration]

Check this box when using the monitor registration function of the PLC.

Q9 Displayed characters are garbled or do not fit in the designated spaces.



Check and change the settings below.

When [Use Windows Font] is unchecked for the parts used in the screen data:

Under [Font] in the [Option] dialog box, select the font to be used.

Procedure

1) Bring TELLUS to a STOP state using the corresponding icon or the corresponding option from the [File] menu.

[File] menu	Icon
Tellus [RUN] - [Y7demoVGA_E.V7] File View Help	Tellus (RUN) - [V7demoVGA_EV
Printer Setting Print	
Copy Image to Clipboard	
Change Port	
Ethernet Detail Setting	
Option	
Create Shortcut	
Conv. Momory to Clinhoard for Evcol	

- 2) From the [File] menu, select [Option]. The [Option] dialog box is displayed.
- 3) Open the [Main2] tab window.
- 4) Clear the checkmark for [Default].
- 5) Select the desired language from the pull-down menu.

Option		X
Font Language 1 Language 2 Language 3 Language 4	Arial e Windows fonts as Display.	Change Eont
Language 5 Language 6 Language 7 Language 8	nage	



With [Default] checked:

Fonts will be set automatically as the following through [Font Setting] selected from the [System Setting] menu.

[Font Setting] in the Screen Data	TELLUS Font
Japanese Japanese 32 Gothic	MS Gothic
English/Western Europe Chinese (simplified/traditional) Korean Central Europe Cyrillic Greek Turkish	MS Sans Serif

When [Use Windows Font] is checked for parts used in the screen data:

If the Windows font selected in the screen data does not exist on the computer, the characters will be garbled on the computer display. Correct the setting in the manner below.

♦ Procedure

1) Bring TELLUS to a STOP state using the corresponding icon or the corresponding option from the [File] menu.

[File] menu	Icon
Tellus [RUN] - [Y7demoVGA_E.Y7] Fie View Hep Fie View Hep Pinter Setting Pinter Setting Copy Image to Clipboard Ghange Port Ethernet Detail Setting Gption Create Shortcut	Telus (RUN) - [¥7demo¥GA_EV File yew Help

- 2) From the [File] menu, select [Option]. The [Option] dialog box is displayed.
- 3) Open the [Main 2] tab window.
- 4) Check [Use the same Windows fonts as Display].

Font	nnection Ladder Monitor	
Default Language 1	MS Sans Serif Windows fonts as Display.)	Change Eont
Hard Copy		
Reversed In	age	

5) Now the Windows font registered in the screen data is used for display on the computer, therefore the images displayed are identical to those on MONITOUCH and V-SFT. Characters that are not registered under [Register Windows Font] cannot be displayed.



When the Windows font selected for the screen data exists in the computer, it is not necessary to check [Use the same Windows fonts as Display]. In this case, characters that are not registered under [Register Windows Font] can also be displayed.

Q10 Are macro commands executable in the remote mode?

A10 In the remote mode, only macro commands for switch ON and OFF are available. Any other macro commands are not available.

Notes:

- SYS commands and indirect designations are not executable by switch ON and OFF macro commands.
- When using the internal memory for switch macro commands, the [Remote Monitor Setting] dialog box should be set on V-Server.

Procedure

- 1) On V-Server, select the monitored device that executes switch macro commands.
- From the [Edit] menu, select [Remote Monitor Setting]. The [Remote Monitor Setting] dialog box is displayed.

Remote Monitor Setting	×	Remote Monitor Setting
T Write Protect		T Write Protect
Follow the device's polling interval		✓ Follow the device's polling interval
Operation Mode O ASYNC O SYNC		Operation Mode C ASYNC © SYNC
		Remote Operation in Macro Read Internal Memory Write Internal Memory available.
OK Cancel Detail	D	OK Cancel Detail

- 3) Click the [Detail] button. The [Remote Operation in Macro] menu is displayed.
- 4) This menu takes effect only when the internal memory is used for macro commands. Select an option appropriate for your purpose.
 - [Read Internal Memory]
 - Macro commands will be executed by reading the internal memory of the monitored device. • [Write Internal Memory]
 - The result of the execution of macro commands will be written to the internal memory of the monitored device.

Q11 I cannot do the following in the HMI mode: WAV file replay JPEG file display Reading and writing a recipe file [RECxxxx.csv]

A11 Check to see if WAV or JPEG files are stored in the correct folders. The location is set under [Generate folder at:] in the [Option] dialog box.

Folder location

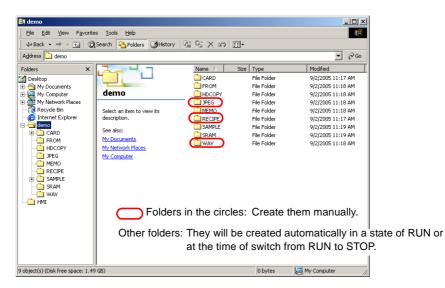
Option	×
Main1 Main2 Connection Ladder Monitor	
Statt Statt in Full Screen Show Toolbar Show Nend Display Button Disable Display Switching by F11 Key Disable Dise Button Disable Close Button	Button Position: Right Top
Screen Size	
🔽 Fit to Screen Size	1280 by 1024 pixels 💌
Serial Port CN1 : COM1 MJ1 : CDM2 MJ2 : COM3	Change Port
Ethernet	
Local Port: Port 10000	Detail Setting
Buzzer Use Beep sound	
Generate loder at Default Position E*Program Files#Tellus	Change Folder
	OK Cancel

◆ [□ Default Position]: checked

In the location where the screen data in the HMI mode is stored, a folder under the name of the screen data is created. In this folder, create folders named "WAV," "JPEG," or "RECIPE" manually and store files in these folders respectively.

◆ [□ Default Position]: unchecked

Using the [Change Folder] button in the [Option] dialog box, specify the location where folders are to be created. In this folder, create folders named "WAV," "JPEG," or "RECIPE" manually and store files in these folders respectively.



Folder name	Stored file name	Contents
CARD	Mcmhead.bin	Header file for .mcd file creation
CARD	Mcmxxxx.bin	Memory-card-mode data file
	\$F.bin	Macro commands [FROM_WR] [FROM_RD]
FROM	TEMP.bin	Temperature control network station table
	PLCTERM.bin	PLC station table
HDCOPY	HDxxxx.bmp	Hard copy macro [HDCOPY]
HDCOPT	HDxxx~yy.bmp	Hard copy macro [HDCOPY2]
MEMO	MEMOxx.bmp	Memo pad image file
SAMPLE	SMP00xx.bin	Sampling data (Saved in SRAM/CF card)
SRAM	\$L.bin, \$LD.bin	\$L/\$LD memory contents
JPEG	xxxx.jpg, JPxxxxx.jpg	JPEG file
RECIPE	RECxxxx.csv, xxxxxxx.csv	Recipe file
WAV	WAxxxx.wav	WAVE file

Q12 I click a switch on the screen in the remote mode, but the data is not written to the MONITOUCH or PLC.

A12 Check the memory type of the target to which data is written.

If system memory \$s/\$T is used, writing from the remote-mode screen to the monitored device is not possible.

If memory except for \$s/\$T is used, the target is write-protected. Cancel the protection.

Write protection is set on V-Server. In the case of internal memory or memory card memory, the options of [Memory Protect] are included in the screen data for individual monitored devices.

Memory available with remote monitor

Memory		Read	Write*	Remarks
PLC memory, I/O m	emory	0	0	Writing is not allowed if the read-only setting is specified for the PLC.
Internal memory	\$u/\$L/\$LD		0	
Internal memory	\$s/\$T	×	×	Remote PC's internal memory
Memory card memo	ory	0	0	
Temperature controller memory		0	0	Writing is not allowed if it is read-only type memory.

V-Server write protection setting

Procedure

- 1) Select the monitored device to which writing is impossible from V-Server.
- 2) From the [Edit] menu, select [Remote Monitor Setting]. The [Remote Monitor Setting] dialog box is displayed.

Remote Monitor Setting	×
Write Protect	
Follow the device's polli	ng interval
Operation Mode	
C ASYNC	• SYNC
OK Cancel	Detail

3) Clear the checkmark for [Write Protect].

Monitored device write protection setting

For the V series

- 1) Open the V-SFT screen data.
- 2) From the [System Setting] menu, select [Network Table Setting] and then [Ethernet]. The network table edit screen is opened.
- 3) Double-click the number to which the IP address of the V series is set. The [Set Network Table] dialog box is displayed.
- 4) Clear the checkmarks for [Memory Protect].

Set Network Table No.0	×
Host Name V7	10
IP Address 19	2.168.1.63
Send Timeout 15	*sec
Port No 10	000
Select Port(Ethernet I/F Ur 10BASE-T C AL	
Memory Protect	
🗖 Default Gateway	0.0.0.0
🗖 Sub Net Mask	0.0.0.0
ОК	Cancel

♦ For TELLUS (HMI)

- 1) Open the [Option] dialog box.
- 2) Click the [Detail Setting] button under [Ethernet]. The [Ethernet Detail Setting] dialog box is displayed.

E	thernet Detail Setting	×
	Host : tani-e [192.168.1.175]	1
(Local Port Setting Use Network Table Port No. Send Time-out Period Memory Protect Internal Memory MemCard Memory	
	*) Please set the following when connecting PLC via Ethernet. PLC COM Port Specify Port No. Port No: 10001	
	OK Cancel	

3) Clear the checkmarks for [Memory Protect].



With [Use Network Table] checked, proceed to changing the network table edits for V-SFT screen data.

Q13 How can I synchronize the remote-mode screen with the monitored device?

A13 Go to the [Remote Monitor Setting] dialog box on V-Server to make the necessary settings.

Procedure

- 1) On V-Server, select the monitored device to be synchronized with the remote-mode screen.
- From the [Edit] menu, select [Remote Monitor Setting]. The [Remote Monitor Setting] dialog box is displayed.

Remote Monitor Setting	x
Mrite Protect	
✓ Follow the device's polling interval	
Operation Mode	
C ASYNC © SYNC	
OK Cancel Detail	

3) Under [Operation Mode], check [SYNC] and click [OK]. Every time the screen shift occurs on the monitored device the screen shift occurs also on the remote mode.

Synchronization takes effects for the display of normal overlaps and call-overlaps as well. However, synchronized display is not possible for multi-overlaps that are called by internal commands. Use external commands instead.



Q14 Can I use the memory manager function in the remote mode?

A14 Unfortunately, no. Please use the memory manager function on the monitored device (V series or HMI-mode TELLUS).

Q15 How can I start up TELLUS (HMI) together with the computer?

A15 Create a shortcut and register it as a startup option.

Procedural steps

Creating a shortcut

1) Click the [HMI] button to start TELLUS. Click the [OK] button.

💥 Tellus 2, 2, 20, 0		
Tellus	(ок
		Cancel
		Option
		V-Server <u>S</u> etting

2) In the dialog box below, select the screen data file.

Open					? ×
Look in: 🚺	Desktop	•	+ 🛍	di 📰 •	
My Docum	ents				
My Compu					
My Networ	k Places				
🗟 demo. V7					
File <u>n</u> ame:	demo.V7			<u>O</u> pe	n
Files of type:	V7 F3+(8+-7+8+-7+)		T	Cano	
riles of type:	V7 File(*.v7; *.v7y)		_	Lanu	

3) TELLUS starts.

From the [File] menu, select [Create Shortcut].

🔤 Tellus [RUN] - [demo.¥7]		
File View Help		
RUN		
Printer Setting Print	r Impose function	back
Copy Image to Clipboard		ACTION
Change Port		CH2 snap
Ethernet Detail Setting		
Option		strobe
Create Shortcut)	
Copy Memory to Clipboard for Excel		zoom

4) The dialog box below is displayed.

If the conditions (screen size, menu display, etc.) at the time of TELLUS startup should be as they are now, click [No]. If you want to make some changes, click [Yes].

Tellus	Option
A shortcut will be created on the Desktop. Do you want to set the Startup Option?	Main1 Main2 Connection Ladder Monitor Start Start in Full Screen Button Position: Show Menu Display Button Button Position: Disable Display Switching by F11 Key Disable Display Switching by F11 Key Disable Core Drange from Menu Disable Core Button
Go to the [Option] dialog box.	Screen Size Fit to Screen Size 1280 by 1024 pixels Serial Port Change Bort M1 : CDM1 Change Bort M2 : CDM3 F Use Simulator
	Ethernet Local Port. Port 10000

- 5) A shortcut is created.
 - Location: The folder where the screen data is located
 - Name: The same as the name of the screen data

Tellus 🔀		S HMI						
Shortcut was created.	Eile Edit View Favorite	s <u>T</u> ools <u>H</u> elp					-	
	$\downarrow \leftarrow Back + \Rightarrow + \boxdot 0$	Search 🖳 Folders 🤅	🎯 History 🛛 📔	$\mathbb{R} \times \mathbb{N}$				
		Address 🗀 HMI					•	€°G0
		Name 🛆		Туре	Modified			
			demo.V7	1 KB 3,398 KB	Shortcut V7 file	9/2/2005 10:12 AM 9/2/2005 9:15 AM		
		HMI	C demo.	3,370 KD	17 116	3/2/2003 3:13 Hit		
		Select an item to view its description.						

• Registering as a startup option

- 1) Start Windows Explorer.
- 2) Open the [Startup] folder in [Documents and Setting].
- 3) Copy the created TELLUS shortcut to the folder.

🔯 Startup						
Eile Edit Yiew Favorites Tools He	Eile Edit View Favorites Iools Help					
📙 🕂 Back 🔹 🤿 🕣 🔛 🖓 Search 🛛 🔒 Fo	olders 🎯 History 📲 😤 🗙 🗠					
Addres 🕞 Startup				▼ @Go		
Folders ×	2-4.7	Name 🛆	Size Type	Modified		
Pravorites Provolves Provolves Provolvents Provolvents	Select an item to view its description. See also: My Network Places My Network Places My Computer	摨 demo. V7	1 KB Shortcut	9/5/2005 11:02 AM		

From now on TELLUS will start at the time of computer startup.

Q16 I cannot do the following in the remote mode: WAV file replay JPEG file display



Check to see if WAV or JPEG files are stored in the correct folders. The location is set under [Generate folder at:] in the [Option] dialog box.

* Note that WAV files linked to sampling cannot be replayed.

Folder location

Option	×
Main1 Main2 Connection Ladder Monitor	
Start Start in Full Screen Show Toolbar Show Menu Olipplay Button Disable Display Switching by F11 Key Disable Display Switching by F11 Key Disable Cose Button Disable Cose Button	Button Position: Right Top
Screen Size Fit to Screen Size	1280 by 1024 pixels
Serial Port CN1 : COM1 MJ1 : COM2 MJ2 : COM3	Change Port
Ethernet Local Port: Port 10000	Detail Setting
Buzzer	
Generate folder at C Default Position E:¥Program Files¥Tellus	Change Folder
	OK Cancel

♦ [□ Default Position]: checked

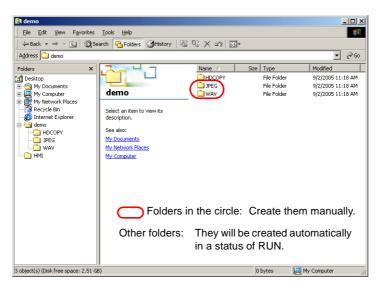
The V-Server installation folder contains the screen data in the remote mode. A folder under the name of the screen data is created.

In this folder, create folders named "WAV" and "JPEG" manually and store files in these folders respectively.

	🛐 ttt				
	Eile Edit View Favorites Tools H	elp			100 A
	📙 🕁 Back 🔹 🤿 🕣 🔂 🖓 Search 🛛 隆	olders	(③History 🛛 🖓	X n III-	
	Address 🗋 ttt				
	Folders	×	Name A	Size Type	Modified
	microsoft frontpage Microsoft Office		DPEG WAV	File Folder File Folder	9/5/2005 10:56 AM 9/5/2005 10:57 AM
	NetMeeting			File Folder	9/5/2005 10:57 AM
	Outlook Express		Creat	e folders and s	tore
	i Tellus ∓⊡ V6W				
Installation folder	- V-Server		files in	n these folders.	
Project n	ame Projects				
Monitored	1 V710				
Folder under t	the name				
of the screen	data 💮 New 🖓				
	🗄 🧰 test				
	Windows NT				
	WinPcap				
	WINNT Win-tool				
	🗈 🧫 Local Disk (F:)	-			
	Compart Disc (G*)	١Ċ١	•		Þ
	1 object(s) selected				My Computer

♦ [□ Default Position]:unchecked

Using the [Change Folder] button in the [Option] dialog box, specify the location where folders are to be created. In this folder, create folders named "WAV" and "JPEG" manually and store files in these folders respectively.



Folder name	Stored file name	Contents		
JPEG	xxxx.jpg, JPxxxxx.jpg	JPEG file		
WAV	WAxxxx.wav	WAVE file		

Q17 Can I use the recipe mode function in the remote mode?

A17 Unfortunately, no. Please use the recipe function on the monitored device (V series or HMI-mode TELLUS).

Q18 The screen of the monitored device does not shift even when I shift the screen in the remote mode.

A18 In what way the screen is shifted? If the following internal functions are in use, screen shift is possible on the remote-mode TELLUS but not on the monitored device.

- Screen shift
- Return
- Macro command [SET_SCRN]

To shift the screen of the monitored device through the TELLUS screen in the remote mode, adopt the method of writing the desired screen number to the read area (n+2).

3 V-Server

3

Q1 How many monitored devices can be registered?

A maximum of 65,535 monitored devices can be registered.

Notes

A1

• An appropriate number of monitored devices to be registered

If the monitor polling interval is set to 5 seconds (default), up to twenty monitored devices^{*1} are appropriate. The number, however, will vary depending on the settings of V-Server (such as tag, logging, event monitoring) or whether or not the remote mode is executed.

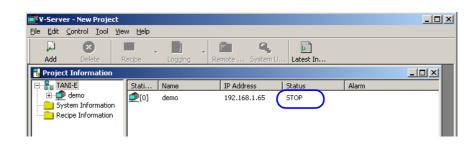
*1 The time required to read out 50 words of PLC memory is 150 - 200 ms. Polling at 5-second intervals (for instance) will be executable at a maximum of 25 monitored devices from the equation: 5000 ms/200 ms = 25. (Experiments using up to 16 monitored devices have been conducted by us.)

Q2 Are there any restrictions on monitoring multiple devices by V-Server?

A2 During logging or recipe transfer performed for one device, monitoring other devices is brought to a wait state. Due to that fact, V-Server may not be able to initiate monitoring other devices exactly at preset times. If any operation is set in the [Event Setting] dialog box, adjust the timing when you start monitoring so that it will not occur concurrently with the event.

3

Q3 The monitored device comes to a STOP state on V-Server.





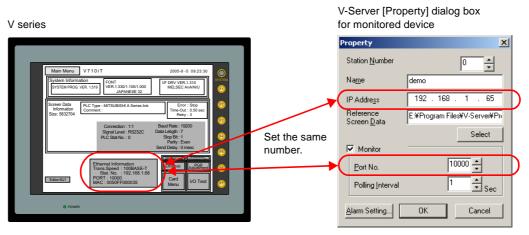
Check the following:

- If the monitored device (V series /HMI-mode TELLUS) is in a STOP state (on the [Main Menu] (local main) screen), V-Server will also be brought to a STOP state. Change the state of the monitored device to RUN.
- Is the IP address of the monitored device correct?

In the [Property] dialog box for the monitored device, set the IP address of the V series (HMI-mode TELLUS). Be sure to set the IP address correctly in the dialog box.

To see the V-series IP address, go to the [Main Menu] (local main) screen.

To see the HMI-mode TELLUS IP address, go to [Tellus Version Information] using the [Help] icon.

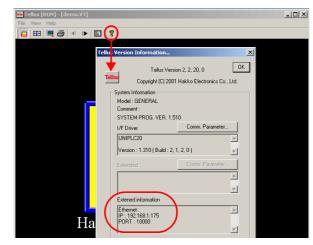


• Is the port number of the monitored device correct?

In the [Property] dialog box for the monitored device, set the port number of the V series (HMI-mode TELLUS).

Be sure to set the port number correctly in the dialog box.

To see the V-series port number, go to the [Main Menu] (local main) screen. (See the above figure.) To see the HMI-mode TELLUS port number, go to [Tellus Version Information] using the [Help] icon. (See the figure below.)



Q4 How can I transfer V-Server projects to another computer?



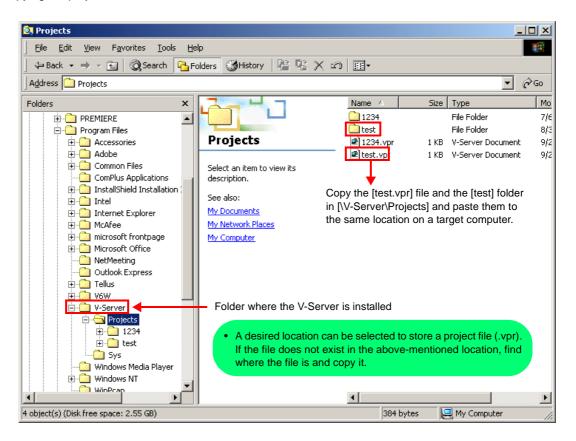
A V-Server project consists of the file and folder below:

- Project file (with extension ".vpr")
- Folder under the name of the project file The folder stores the screen data.

By copying the above file and folder to another computer, the same project can be opened on the computer. Be sure to place the folder in the [...\V-Server\Projects\] folder where V-Server is installed. If the folder is in a wrong location, an error occurs and the project will not be opened.

<Example>

Copying the project "test"



Q5 Can I transfer recipe data created on Excel to the PLC?



Yes.

Use the following functions as necessary:

- Memory writing
- Recipe writing

Transferable files:

- Excel file (.xls)
- CSV file (.csv)
- Database

When to transfer:

- Execute data transfer through the mouse operation of the computer.
- Use an event execution.

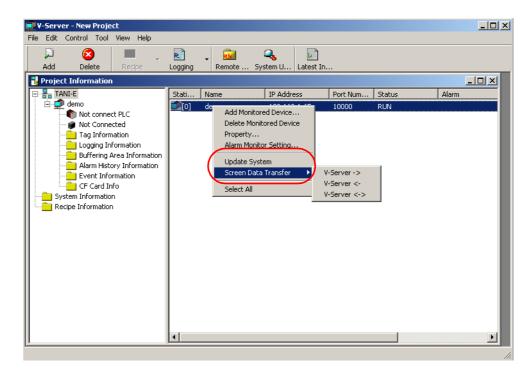
Conditions for an event: time, value in a memory address, bit ON/OFF status



The function to write memory data is not available with databases and events. When using databases or events, use the function to write recipe data.

Q6 Can I transfer screen data from V-Server?

A6 Yes. By updating the system, you can also transfer system programs and font data.



3

Q7 Can I monitor a MONITOUCH from a remote location?

A7

Yes. Since remote monitoring requires TELLUS in remote mode, licenses of both V-Server and TELLUS-Remote must be acquired in advance (page 1-3).

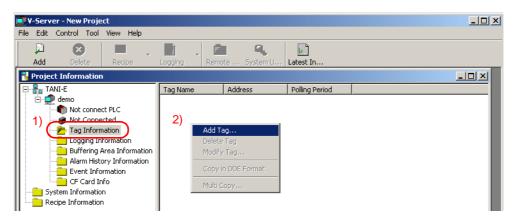
Q8 Can I show the values in the PLC or Monitouch in real time on Excel?



Yes. Use the tag function.

Procedure

1) Click [Tag Information] on V-Server.



2) Set the [Tag Setting] dialog box to register a tag.

Tag Setting		×
<u>I</u> ag Name		
	Auto <u>n</u> aming	
Address	\$u00000	
<u>D</u> ata Type	DEC	-Data Length-
Polling Interval	5 · Sec	1-Word 2-Word
	ОК Са	ncel

3) Copy the registered tag using the option [Copy in DDE Format].

V-Server - New Project				_0
ile Edit Control Tool View Help				
Add Delete Recipe	Logging R	emote System U	Latest In	
Project Information				
TANI-E Ta	Tag Name \$µ00100 \$µ00101 \$µ00102 \$µ00103 \$µ00104 \$µ00105	Address \$u00100 \$u00101 \$u0 \$u0 \$u0 Add Tag \$u0 Belete Tag \$u0 Copy in DDE Multi Copy	E Format	

4) Start Excel and paste the copied tag to its cell.

Mi	Microsoft Excel							
Eile	<u>File Edit View Insert Format Iools Data Window H</u> elp							
0	差 🔲 🔒	a 🗸 💞	አ 🖻 🛍	🗠 + 🍓	$\Sigma f_{\ast} \stackrel{A}{\geq} \downarrow$	🛍 🝳 🔋	Arial	• »
	B2	•	= =vserve	er demo!'\$u	001 021			
📑 Bo	ok1					F	ormula Bar	
	A	В	С	D	E	F	G	Н
1								
2		0						
3								
4								
5								
6								

3

Q9 Is the number of tags (page 3-8) to be registered limited?

A9

No. However, registering more tags will place a greater burden on V-Server and thus a polling time interval may become longer.

• For information, it requires approximately 0.5 seconds to display one word of PLC memory in real time on Excel.

Q10 Is the number of logs to be registered limited?

A10

That depends on the versions.

Version	Maximum Number
Version 1.0.0.0 - Version 2.0.0.2	16
Version 2.0.0.3 or later	Not limited

For registering 16 or more, V-Server should be updated.

Notes:

The execution of multiple logs at the same time will place a greater burden on V-Server and thus communication speed may become slower.

3

Q11 I want to use alarm monitoring function, but the option [Alarm Monitor Setting] is inactive.

🖥 Project Information					
🖃 🚼 TANI-E	Stati	Name	IP Address	Status	Alarm
🗄 🚽 demo	(0]	demo	192.168.1.65	STOP	
B- P 777 System Information Recipe Information	[1]	777	192.168.1.63	Add Monitored I Delete Monitore Property Alarm Monitor S Update System Screen Data Tra Select All	ed Device

A11

Check the points below.

 In the [Property] dialog box for the monitored device, is the setting for [Reference Screen Data] correct? If no setting is made, the [Alarm Setting] button is inactive. Proceed to the selection of screen data using the [Select] button.

	Property	×	
	Station <u>N</u> umber	1	
	Na <u>m</u> e	777	
	IP Address	192 . 168 . 1 . 63	
(Reference Screen Data		D
	_	Select	This button is inactive because no
	Moritor		reference screen data is set.
	<u>P</u> ort <mark>1</mark> o.	10000 🛨	
	Pollin <mark>g I</mark> nterval	1 Sec	
Select the desired screen data using this button.	Alarm Setting	OK Cancel	

• Does the reference screen data contain the alarm function setting?

Check to see the [Buffering Area Setting] dialog box associated with the screen data. If [Alarm Function] is selected for [Sampling Method], alarm monitoring is executable during sampling. If any other options are selected for [Sampling Method], the [Alarm Setting] button stays inactive. Make the alarm function setting on V-SFT.

Q12 Though a monitored device is updated from V-Server, the version number goes down.

A12 The folder where V-Server is installed* contains the [Sys] folder. The [Sys] folder contains the system program I/F driver for system update.

Sys File Edit View Favorites Tools Help			
🗢 Back 🔹 🤿 🖈 🛅 🕲 Search 📴 Folders 🛛 🖓 History 🛛 🖓 🖓 🔅	< m =-		
Address 🗋 Sys			▼ @Ga
olders ×	Name 🛆	Size Type	Modified
🕀 🗋 Adobe	ABCL.tpb	26 KB TPB File	7/8/2004 1
🗄 🦳 Common Files	ABCL_E.tpb	32 KB TPB File	7/8/2004 1
ComPlus Applications Sys	ABPIc.tpb	27 KB TPB File	6/15/2005
🕀 🦳 InstallShield Installation :	ABPIc_E.tpb	32 KB TPB File	4/11/2003
😟 🦳 Intel Select an item to view its	ABSLC_E.tpb	31 KB TPB File	4/11/2003
Internet Explorer description.	Adept.tpb	23 KB TPB File	12/12/2002
E C Arizante Contractor See also:	Baldor.tpb	27 KB TPB File	1/10/2003
microsort montpage	ChinoDZ.tem	11 KB TEM File	1/16/2003
	ChinoKP.tem	17 KB TEM File	3/19/2002
My Network Places	CHN.ctd	1 KB CTD File	3/8/2002 1
Outlook Express <u>My Computer</u> Tellus	Cs1Dna.tpb	27 KB TPB File	5/12/2004
Tellus V6W	CutyAxis.tem	14 KB TEM File	9/13/2004
E	Default.dtm	1 KB DTM File	6/8/2000 1
	DELTA.tpb	25 KB TPB File	4/6/2001 1
Sys	DevNet.tpb	12 KB TPB File	3/16/2005
windows media Player	Digitro.tem	12 KB TEM File	1/15/2005
Windows NT	E5AN.tem	10 KB TEM File	10/14/2003
WinPcap	E5ZE.tem	13 KB TEM File	4/27/2000
I CINNT	EBA_H8.lcm	6 KB LCM File	7/22/2004
🗄 💼 Win-tool	EBA_H8.tpb	27 KB TPB File	7/22/2004
E 😑 Local Disk (F:)	EBA_H8_T.tem	12 KB TEM File	11/29/2003
🗄 🌆 Compact Disc (G:)	EC5.tem	20 KB TEM File	8/1/2001 1
中 🗇 final on 'Nas01¥sbare¥罪¥拮從言▲		1 In	
			mputer

Update the program in this folder to the most recent version. The program in the most recent version can be downloaded from our website.

🎒 dov	🗿 download - Microsoft Internet Explorer								
Eile	<u>E</u> dit ⊻jew F <u>a</u> vorit	es <u>T</u> ools	Help	100 A					
] <⊨ E	Back 🔹 🤿 👻 🔯	<u>a</u> 0	Search 🚡 Favorites 🎯 History 🛛 🛃 🕶 🐨 📼 📃						
Addre	ess 🙋 http://www.hakk	o-elec.co.j	ip/eng/download/index00.html	▼ 🖓 Go 🛛 Links ≫					
nics C	Documents Check your option, and fill in the blanks provided below.								
Co., Ltd			e the file that you downloaded to retrieve.						
		absolut	nonstration version of SOFT MONITOUCH TELLUS & V-Serve: ely for FREE. You can have the software licensed afterwards. <u>chere for details.</u>	r is available for downloading					
		С	TELLUS software Version 2.2.20.0 (08/04/2005)	_tellus.exe (8,285kB)					
		C	V-Server software Version 2.1.17.0 (08/04/2005)	_vserver.exe (25,303kB)					
			lready have SOFT MONITOUCH TELLUS & V-Server Version 2 ad the update modules below, and overwrite the existing files in y						
		С	Update modules for TELLUS Version 2.2.20.0 (08/04/2005)	_tellus_up.exe (4,145kB)					
		C	Update modules for V-Server Version 2.1.17.0 (08/04/2005)	vserver up.exe (1,800kB)					
	Updated System Programs and Interface (I/F) Drivers. Overwrite the programs that you downloaded in the Sys folder of your V-Server folder.								
		c	System Programs (08/01/2005) Updated System Programs for V7/V6 hardware.	hontaiprg.exe (8,768kB)					
		с	I/F Driver (08/01/2005) Updated interface drivers for PLCs or other connectable devices.	plcdriver.exe (1,406kB)					
🙋 Dor	ne			internet					

* V-Server is installed at [C:\Program Files\V-Server] as default.

Q13 How can I save one-day (24-hour continuous) sampling data in a file?

A13 There are two methods.

Method 1: Sampling data reading

Make the sampling settings in the screen data, and save the sampling data in the MONITOUCH. When the buffer of the MONITOUCH has become full, execute the V-server sampling read function to read all data from the buffer and save the data in the specified file.

Method 2: Logging

Make the sampling settings (such as memory, count, etc.) in the [Logging Setting] dialog box on V-Server.

• [File Name] for target file: CSV file

- Dialog box setting
 - $\label{eq:check} \mbox{Check} \mbox{[\square Add time stamp to the file name.]}.$
- File name
 - test20040210.csv

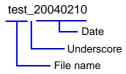


Logging Setting	J			×	1
Logging <u>N</u> ame					
Address	\$u00000)			L
	🔽 Add a	address			L
Word Count		1	- -		
<u>D</u> ata Type	DEC		•	 Data Length 1-Word 	L
Decimal P <u>o</u> int		0	-	C 2-Word	L
Polling Interval		5	-	Sec	
<u>T</u> ime Format	13:30:2	0	•		L
<u>F</u> ile Name				<u>R</u> efer	L
Add time stamp to the file name.				\Box	
✓ Stop Logging			Γ		
Logging Count					
O End Time 0 ▲ hr. : 0 ▲ min.					
Info. Output Setting					
OK Cancel					

[File Name] for target file: CSV file

• [File Name] for target file: Excel sheet

- Dialog box setting Check [☑ Add Date to Name Tab].
- Sheet name



	[File Name] for target file: Excel sheet			
	Logging Setting			
	Logging Name Logname1 File Management Eile Name Detail Use as template file.			
	Open an Excel file. Close an Excel file after stopping. Logging Method			
	Interval 60 Sec ORGT G DWN Reference Reference Reference			
	Worksheet Management ✓ Stop Logging © Dverwrite © Count © Create Copies © Count © Append Data © Time 0 = Inc. 0 = min.			
(🗖 Add Date to Name Tab			
	Info. Qutput Setting OK Cancel			

Q14 How can I execute an event when a bit is set (ON)?

A14

Go to the [Event Setting] dialog box to make the necessary settings.

[Trigger]: [Memory]

[Type]:

[Bit] [Memory]: Address for event occurrence

* Double-word memory is not supported.

With a SIEMENS PLC, PLC memory is not supported. The use of internal memory is recommended.

[Relational]: [ON] or [OFF] (Events will occur at the edge of bit setting (ON) or resetting (OFF).)

Event Setting		×
Event Name		OK
Irigger Mer	mory	Cancel
Time of Day 0	Fr. : 0 Everyday	z min.
Туре	<u>M</u> emory \$u000	00-00
C Word	Relational ON	•
	🗌 🗌 Clear a bit after	an event occurs.
_Action: This will be	e run when an event occ	urs.
Command	Туре	<u>A</u> dd
		<u>C</u> hange
		Delete
		Up
•		Down
		Dgwin

3

Q15 Is the arithmetic function included as a condition for an event?

A15

- No. The conditions for an event are:
 - Time designation
 - Value in the memory address (1 word)
 - Bit ON/OFF

Perform arithmetic on the V series.

Q16 What are the V-Server startup options?

A16 By adding options following the V-Server startup command, the corresponding operations (such as automatic termination or log saving) become available.

Options

Option	Function
"(project file path)"	Opens the specified project file (.vpr).
\D (dialup connection name)	Performs the specified dialup connection. *1
\T (time ^{*2})	Terminates V-Server when a specified time has elapsed from its start.
\L	Saves the contents of the log viewer in the text file. *3
\E	Executes all registered events at V-Server startup.

*1 Windows dialup settings should be made in advance.

*2 In minutes

*3 Location of the text file and the file name C:\Program Files\V-Server\(project name)_Log.txt Each time the above is executed, the log is saved additionally.

Setting

Executing [C:\PROGRA~1\V-Server\vserver.exe] starts V-Server.*

Add necessary options following this command.

* As default, V-Server is installed at [C:\Program Files\V-Server]. If installed in a different location, the command will be [(installation folder)\vserver.exe].

Setting example

In the example below, the V-Server installation location is at [C:\Program Files\V-Server].

Project designation

Opening the [text.vpr] project in the [C:\Program Files\V-Server\Projects] folder: C:\PROGRA~1\V-Server\vserver.exe "C:\Program Files\V-Server\Projects\test.vpr"

V-Server startup Space Project file path

Dialup connection

Dialup connection name "aaa" C:\PROGRA~1\V-Server\vserver.exe /D aaa V-Server startup V-Server startup Dialup connection name Dialup connection Space Dialup connection

Automatic termination

Terminating V-Server automatically five minutes after launching: C:\PROGRA~1\V-Server\vserver.exe /T 5



Log viewer saving

Saving the contents of the V-Server log viewer to the text file: C:\PROGRA~1\V-Server\vserver.exe /L



Location of the text file and the file name
 C:\Program Files\V-Server\(project name)_Log.txt
 Each time the above is executed, the log is saved additionally.

Event execution

Executing all registered events at V-Server startup: C:\PROGRA~1\V-Server\vserver.exe /E



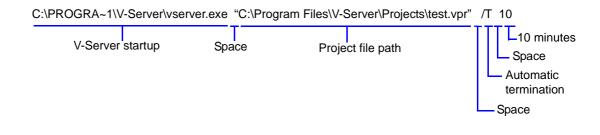
Q17 Can I set multiple V-Server startup options* at the same time?

A17 Yes. Leave a space between startup options (page 3-16).

Setting example

Project designation and automatic termination

- Project: [test.vpr] in the [C:\Program Files\V-Server\Projects] folder
- Automatic termination: To be terminated in 10 minutes after the start of V-Server



Q18 How can I start V-Server at the desired time?

A18 Use V-Server startup options (page 3-16) and Windows scheduled tasks.

Procedure

- 1) From the Windows [Start] menu, select [Programs], [Accessories], [System Tools], and [Scheduled Tasks] in sequence.
- 2) Double-click [Add Scheduled Task]. The [Scheduled Task Wizard] dialog box is displayed.
- 3) Click [Next].
- 4) Select [V-Server] as the program to be run.

Scheduled Task Wizard		×
	Click the program you want Windov To see more programs, click Browse	
1	Application	Version 🔺
y y	The Adobe Acrobat 4.0	5.10.151.0
	👔 Utility Manager	1, 0, 0, 3
	🖳 V-MDD Transfer Utility	1.0.5.0
	🖳 V-MDD転送ユーティリティ	1.0.5.0
	Tolume Control	5.00.2134.1
	V-Server	2, 1, 17, 0
	I MIN CET	
		Browse
	< <u>B</u> ack <u>N</u> ext	> Cancel

- 5) Following the directions of the wizard, enter the task name, its execution timing, etc.
- 6) Click [Finish]. Registration of the task is complete.

Scheduled Tasks				_ 🗆 🗵
File Edit View Favorites	Tools Advanced Help			
📙 🖨 Back 👻 🔿 👻 🔂 🖓 Sear	rch 🕒 Folders 🎯 History 📗	$\mathbb{R} \cong \times \mathfrak{O}$	•	
Address 🗿 Scheduled Tasks 💌 🔗 Go				
2-4.7	Name	Schedule	Next Run Time	Last Run Ti
Scheduled Tasks	Add Scheduled Task Add Scheduled Task V-Server	At 9:35 AM ever	9:35:00 AM	Never
This folder contains tasks you've				

7) Double-click the registered task. The following dialog box is displayed.

¥-Server	<u>? ×</u>
Task Sched	ule Settings
E:¥V	/INNT¥Tasks¥V-Server.job
<u>R</u> un:	E.¥PROGRA~1¥V-Servei¥vserver.exe
	<u>B</u> rowse
Start in:	E:¥PROGRA~1¥V-Server
<u>C</u> omments:	
Ryn as:	HAKKO¥m-tani <u>S</u> et password

- 8) Add the desired project file name following the name (...\vserver.exe) at [Run].
 - Example:

Opening the [test.vpr] project in the [C:\Program Files\V-Server\Projects] folder: Add [C:\Program Files\V-Server\Projects\test.vpr].

9) Click [Apply] or [OK].

The above step completes all necessary settings. When the conditions are satisfied, the project starts. 3

Q19 Can I write from multiple logs to the same Excel file?





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