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Instructions

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WEINTEK Mitsubishi A173UH PLC Connection Via Ethernet Tutorial



Product Information

Specifications

- Supported Series: Mitsubishi A173UH, A2A, A2U, A2AS, A2USH, A3U
- PLC I/F: RS232
- Baud rate: 9600
- Data bits: 8
- Parity: Odd
- Stop bits: 1

Product Usage Instructions

Mitsubishi A173UH/A2A/A2U/A2AS/A2USH/A3U

Supported Series: Mitsubishi A173UH,A2A,A2U,A2AS,A2USH,A3U

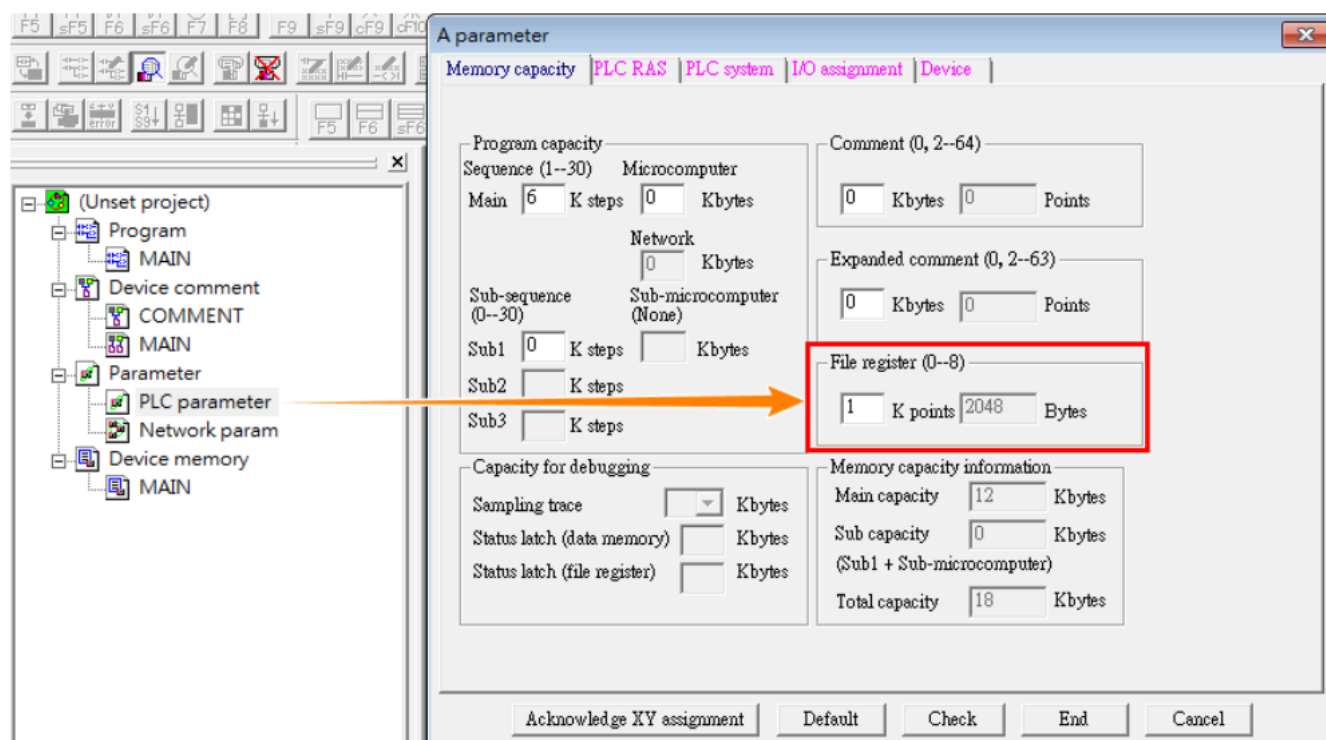
Website: <http://www.mitsubishi-automation.com/>

HMI Setting

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi A173UH/A2A/A2U/A2AS/A2USH/A3U		
PLC I/F	RS232		
Baud rate	9600		
Data bits	8		
Parity	Odd		
Stop bits	1		
PLC sta. no.	0		
File register	0	0 ~ 8	*Note

Device type	A2A / A2U	A2A/A2U/A2AS/A2USH/ A173UH/A3U	
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***Note:** Parameter -> Memory capacity -> File register



Device Address

Bit/Word	Device type	Format	Range	Memo
B	X	HHHH	0 ~ 270f	Input Relay
B	Y	HHHH	0 ~ 270f	Output Relay
B	M	DDDD	0 ~ 9999	Auxiliary Relay
B	B	HHHH	0 ~ ffff	
B	F	DDDDD	0 ~ 65535	
W	TV	DDD	0 ~ 2047	Timer Memory
W	CV	DDD	0 ~ 1023	Counter Memory

W	D	DDDD	0 ~ 9999	Data Register
W	W	HHHH	0 ~ ffff	
W	R	DDDDD	0 ~ 65535	

Pass-through

When the PC reboots or virtual com port is reinstalled, it needs to be re-initialized for pass-through.

Serial Pass-through

Interface (PC <-> HMI)

☒ Ethernet ☐ COM port

Virtual COM Port (PC <-> PLC)

COM3

Install Uninstall

Settings of Destination HMI

Mode: Normal

IP: 192 . 168 . 3 . 47

Communication port: 8000 (Default: 8000)

Pass-through port: 2000

PLC connection: COM 1 (LW-9902 on HMI)

Apply

Misc.

Mitsubishi A series initialization
(Required after each PC reboot)

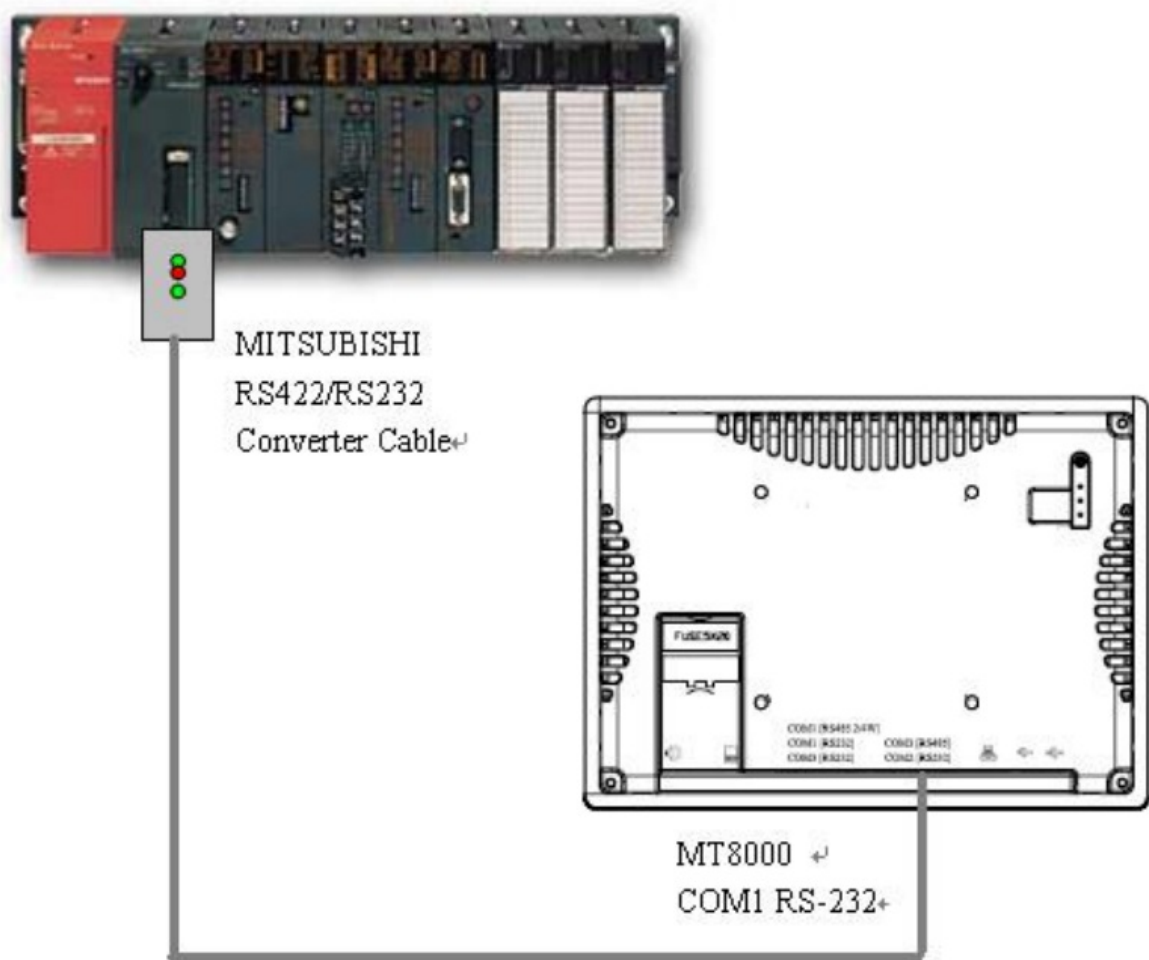
Initialize

Exit

Wiring Diagram

Use the RS422 to RS232 PLC programming cable (shown as follows)

MITSUBISHI AnS CPU



Note: Due to hardware limitations, this PLC is not supported by HMI models without RTS/CTS.

Diagram 1

RS-232

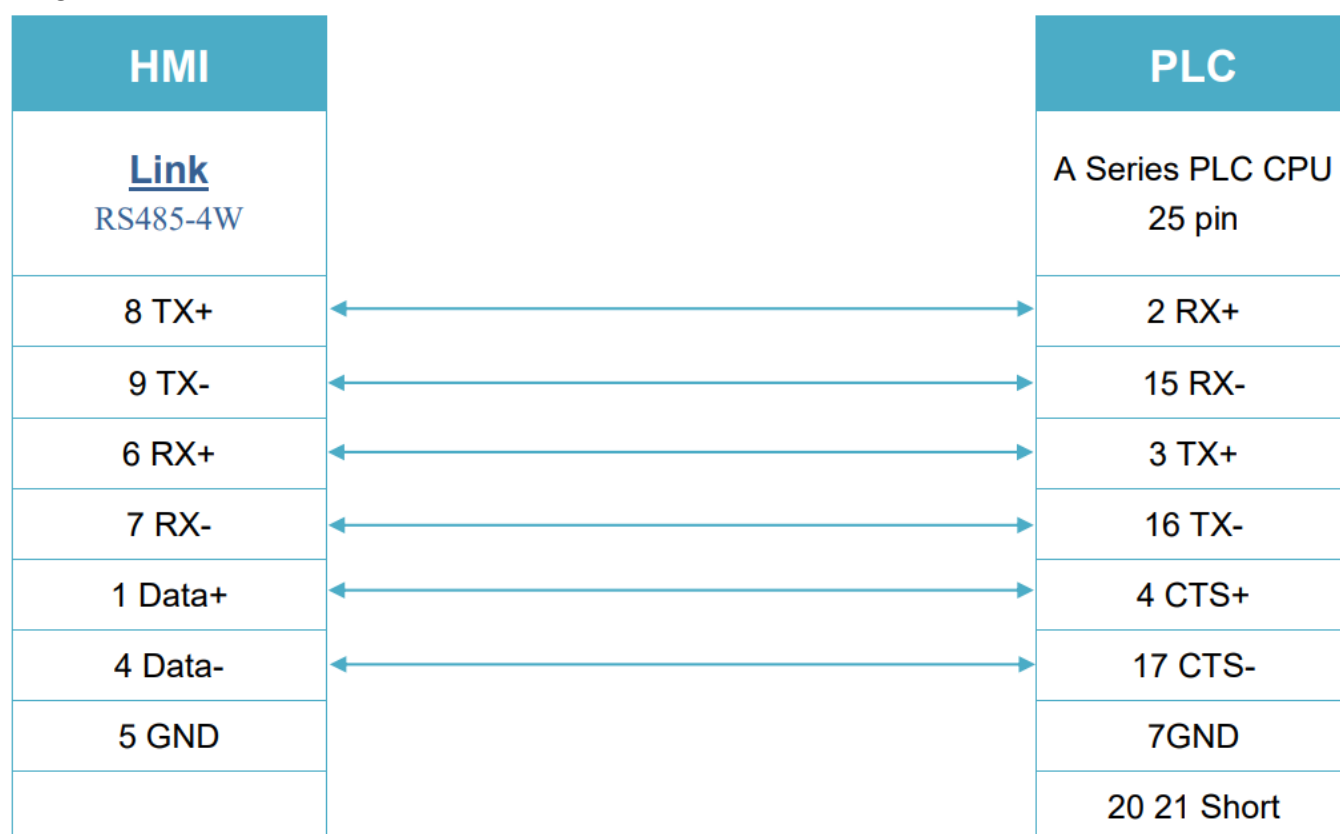
The serial port pin assignments may vary between HMI models, please click the following link for more information.

HMI	PLC Programming Converter		PLC
Link			RS422 25P D-Sub Male
Rx	TX	TX+	2 RX+

Tx	RX	RX+	3 TX+
GND	GND	DTR+	4 DSR+
RTS	CTS	GND	7 GND
CTS	RTS	TX-	15 RX-
		RX-	16 TX-
		DTR-	17 DSR-

Diagram 2

cMT-G01, cMT-G02, cMT-SVR-100/200, cMT-FHDX-820, cMT-SVRX-820 connection diagram



FAQ

- **Q: What should I do if the PC reboots and pass-through needs to be re-initialized?**

A: You need to re-initialize the pass-through when the PC reboots or virtual com port

is reinstalled.

- **Q: Which HMI models are not supported due to hardware limitations?**

A: HMI models without RTS/CTS are not supported by this PLC.

Documents / Resources

	WEINTEK Mitsubishi A173UH PLC Connection Via Ethernet Tutorial [pdf] Instructions A173UH, A2A, A2U, A2AS, A2USH, A3U, Mitsubishi A173UH PLC Connection Via Ethernet Tutorial, Mitsubishi, A173UH PLC Connection Via Ethernet Tutorial, Connection Via Ethernet Tutorial, Via Ethernet Tutorial, Ethernet Tutorial
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References

- [User Manual](#)

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A173UH, A173UH PLC Connection Via Ethernet Tutorial, A2A, A2AS, A2U, A2USH, A3U, Connection Via Ethernet Tutorial, Ethernet Tutorial, Mitsubishi, Mitsubishi A173UH PLC Connection Via Ethernet Tutorial Via Ethernet Tutorial, WEINTEK

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