How to configure the GW-7552 by the Utility?

Step 1: Set the DIP switch to "Setting mode"



Step 2: Connect the PC and the GW-7552 by Com Port (RS-232)



Step 3: Connect the power supply



Step 4: Turn the power on

Step 5: Setup the GW-7552 module

1. Add a GW-7552 module



2. Add a System module

B HW Config - ISIM & TIC 200 Station (Configuration) \$7.6W-75521	
Shaling Filt Insert BLC View Online Window Help	
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	GW-7552
2 CPU313C-2 DP(0)	University of the second secon
	System setting
2.2 <u>DII6/D016</u>	Output Relay/Coil1 byte
	Output Relay/Coil2 byte
	Output Relay/Coil4 byte
	Output Relay/Coil5 byte
	🗌 Output Relay/Coil6 byte
	🚺 Output Relay/Coil7 byte
PROFIBUS(1): DP master system (1)	🛛 🧕 Output Relay/Coil8 byte
≍(U)G₩-751	Output Relay/Coil9 byte
	Output Relay/Coil10 byb
	Output Relay/Coil11 by
	Output Relay/Coll12 by
	Output Relay/Coil14 byb
	Output Relay/Coil15 byb
	🛛 🗍 Output Relay/Coil16 byb
(A) (JW 7552	📕 Output Relay/Coil17 byb
(I) (W-7552	Output Relay/Coil18 byb
Slot D Order Number / Designation I Address Q Address Comment	Output Relay/Coil19 byb
1 24DO System setting 02	Output Relay/Coil20 byb
	Output Relay/Coll21 by
	Output Relay/Coil23 byb
4	📕 Output Relay/Coil24 byb 🔽
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Step 6: Set the parameters of the GW-7552

- 1. Double click GW-7552 icon
- 2. Select "Parameter Assignment"

🖳 H W Config - [SIMATIC 300 Station (Configuration) :	7_G₩-7552]	
D Station Edit Insert PLC View Options Window Help		_ 6 ×
D 🚅 🐎 🖩 👯 🎒 🖻 🖻 🕍 🏜 🚯 🗖 🦉	N?	
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1 PROFI	JS(1): DP master system (1)	G W-7552
x_2 DP	A (1) (3)M (75)	System setting
2.2 DI16/DO16		Output Relay/Coil1 byte
2.4 Count	Sener Sener	Output Relay/Coil2 byte
4		Output Relay/Coil4 byte
	Properties - DP slave	Unitruit Relav/C.01> hvte
	General Farameter Assignment	
	Parameters	Value
	E Station parameters	
	- Baud rate	115200 baud
	parity	none
	_≝ data _∞ stop bit	8 data bit 1 stop bit
	- Modbus Type	Slave
(1) 64-7552	- Modbus Format	Modbus R TU Retain Least Value
Slot D Order Number / Designation I Address	Byte Order	Big Endian(Motorola format)
2	- Modbus Device ID (S)	1
3	→ Modbus Poling Interval(ms) (M)	500
4 5	+ 📄 Hex parameter assignment	
6		
7		
9		
Insertion possible	OK	Cancel Help

Step7: Compile and Download Objects into SIMATIC PLC

	HW Config - [SIMATIC 300 Station (Configura	tion) S	S7_G₩-7552]				
800	Station Edit Insert PLC View Options Windo	<i>w <u>H</u>elp</i>				-	а×
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	Save					Profile: Standard	-
Ε	Save and Compile Ctrl+S						
ŀ	Properties	PROFIB	BUS(1): DP master	system (1)		Universal module	
	Import		🚡 (1) G W-75			Output Relay/Coil1 b	vte
	<u>E</u> xpon	-1				Output Relay/Coil2 b	/te
ŀŀ	Consistency Check Ctrl+Alt+K		hand	J		Output Relay/Coil4 b	ynte
Ľ	Check CiR Compatibility Ctrl+Alt+F					📕 Output Relay/Coil5 b	yte
	Print Ctrl+P					Output Relay/Coil6 b	vte
	Print Preview					Output Relay/Coil7 b	ynte
	Page Setup					Output Relay/Coil8 b	ле de
		-1				Output Relay/Coil101	/ue hom
	1 S7_G W-7552/SIMATIC 300 Station					Output Relay/Coil11	ovt
	2 S7_G W-7553 SIMATIC 300 Station					Output Relay/Coil12	ayt
	3 S7_Pro3\SIMATIC 300 Station					📕 🚺 Output Relay/Coil13	oyt 🛛
	4 S7_1-7550/SIMATIC 300 Station	_			~	Output Relay/Coil14	руф
<	Exit Alt+F4				>	Output Relay/Coil15	oyt
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	🖿 声 (1) GW-7552					Output Relay/Coil18	ovt
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L r	1 24DO System setting	I Addless	0.2	Comment		📕 🚺 Output Relay/Coil20 1	oyt 🛛
	2		02			📕 Output Relay/Coil21	oyt 🛛
	3				-8	Output Relay/Coil22)yt
	4					Output Relay/Coil23	Jyb
	5					Uutput Relay/Coll24)ул <u> </u>
	5						-
							-<
	9				~		
1.						J	
Sav	es and creates all system data in the current station.						.hg //

🔩 HW Config - [SIMA	TIC 300 Station (Configu	ation) S7_GW-7	552]		
🛄 Station Edit Insert	PLC View Options Windo	ow <u>H</u> elp			_ 8 >
D 🚅 🔐 🖫 🖏 .	Download	Ctrl+L	1		
	Upload			~	
	Download Module Identifica	dion			Find:
	Upload Module Ide <u>n</u> tificatio	n to PG			
🚍 (0) UR	<u>F</u> aulty Modules				Profile: Standard
1 2 2 2 2 2 2 2 2 2 2 2 2 2	Module Information Operating Mode ClearReset Set Time of Day Monitor/Modify Update Firmware Save Degice Name to Memo Ethernet PROFIBUS Save Service Data	Ctrl+D Ctrl+I	master system (1)	>	GW-7552 Universal module System setting Output Relay/Coil-1 byte Output Relay/Coil-3 byte Output Relay/Coil-4 byte Output Relay/Coil-6 byte Output Relay/Coil-6 byte Output Relay/Coil-6 byte Output Relay/Coil-6 byte Output Relay/Coil-9 byte Output Relay/Coil-9 byte Output Relay/Coil-9 byte Output Relay/Coil-9 byte Output Relay/Coil-10 byte Output Relay/Coil-11 byte Output Relay/Coil-12 byte Output Relay/Coil-14 byte
(1) GW-7552 Slot D Order 1 24DO System 2 3 4 5 6 7 7 7 8 9	Number / Designation setting	I Address Q Addre 02 	ss Comment		Cutput Relay/Coil16 byb Output Relay/Coil17 byb Output Relay/Coil18 byb Output Relay/Coil19 byb Output Relay/Coil-20 byb Output Relay/Coil-21 byb Output Relay/Coil21 byb Output Relay/Coil23 byb Output Relay/Coil24 byb
Loads the current station into	o the load memory of the current	module.			

Step 8: Confirm the RUN LED of the GW-7552 is ON



Step 9: Run the Utility on the PC (You can download the latest Utility at

ftp://ftp.icpdas.com/pub/cd/fieldbus_cd/profibus/gateway/gw-7552/utilities/)

Step 10: Set the Com Port Settings of the Utility the same as the Com Port Settings of the

🍓 Profibus/Modbus Gateway Util	ity	
Communication IP setting Safe value	e setting View Help	
GW-xxxx	Com Port Setting Port : Com1 Baudrate : 115200 Port : Com1 Stop bit : 1 stopbit	arity : None 💌
	Item Value (State)	
	🔊 Modbus Type	
	🎾 Modbus Format	
	🎾 I/O Value for Stop Mode	
	🔊 Byte Order	
	P Modbus Device ID (S)	
	🎾 Poll interval time (M)	
	🎾 Time out value (M)	
	🥬 Module count	
	Module State: 🔴	Com Port State : 🔴
Com Port isn't open !		

GW-7552.(Refer to Step 6)

🍓 Profibus/Modbus Gateway Util	ity	
Communication IP setting Safe value	e setting View Help	
Connect Disconnect	Com Port Setting	
Exit	Port : Com1 💌 Baudrate : 115200 💌 Parity :	None
	Data bit : 8 databit 💌 Stop bit : 1 stopbit 💌	
	Item Value (State)	
	🎾 Modbus Type	
	🎾 Modbus Format	
	🎾 I/O Value for Stop Mode	
	🥔 Byte Order	
	🎾 Modbus Device ID (5)	
	🎾 Poll interval time (M)	
	🎾 Time out value (M)	
	🎾 Module count	
	P Tcp connect num (T)(M)	
	Module State: Com	Port State : 🔴
Com Port isn't open !		

Step 11: Select "Connect" in the menu.

Step 12: Now the connection is OK.

🁋 Profibus/Modbus Gateway I	Itility	
Communication IP setting Safe va	alue setting View Help	
GW-7552	Com Port Setting	
Module 1	Port : Com1 💌 Baux Data bit : 8 databit 💌 Sto	drate: 115200 V Parity: None V
	Item	Value (State)
	🎾 Modbus Type	Slave
	🎾 Modbus Format	RTU
	🎾 I/O Value for Stop Mode	Retain Last Value
	🦻 Byte Order	Big Endian (Motorola format)
	🎾 Modbus Device ID (S)	1
	🎾 Poll interval time (M)	500ms
	🎾 Time out value (M)	500ms
	🥔 Module count	1
	Module State : 🌑	Com Port State : 🔴
Module is connected	Receive file n	ame from com now !

Configure the GW-7552 by the Utility (Set Safe Value):



Step 1: Select "Load from device" in the menu.

Step 2: Edit the Save Value in the Save Value Setting dialog

(The user can refer user manual section 5.4 for detail.)

Select mod	ule —									-				
🔲 Modul	e1 🗖	Mod	lule2	м м	odule3		Module	e4 🗆	Мо	dul	e5 🥅 Mod	lule6 🔲 Modu	le7	Module8
🔲 Modul	e9 🗖	Mod	iule10	🗆 М	odule1	1	Moduli	e12	Mo	dul	e13 Mod	lule14 🔲 Modu	le15	Module16
🔲 Modul	e17	Mod	lule18	— м	odule1	9 🗖 1	Moduli	e20 ∏	Mo	dul	e21 🗖 Mod	lule22 🔲 Modu	le23	Module24
🔲 Modul	e25 🗖	Mod	lule26	— м	odule2	7	Moduli	e28 厂	Mo	dul	e29 🗖 Mod	lule30 🔲 Modu	le31	Module32
D0										1 1	-A0			1
Address	bit 0	bit 1	bit 2	bit 3	bit 4	bit 5	bit 6	bit 7	^		Address (Configure(Hex)	^	Output
0~7	L	L	L	L	L	L	L	L			0	0000		
8~15	L	L	L	L	L	L	L	L			1	0000		Input
16~23	L	L	L	L	L	L	L	L			2	0000		
24~31	L	L	L	L	L	L	L	L			3	0000		Save to File
32~39	L	L	L	L	L	L	L	L			4	0000		
40~47	L	L	L	L	L	L	L	L			5	0000		Save to Devic
48~55	L	L	L	L	L	L	L	L			6	0000		
56~63	L	L	L	L	L	L	L	L			7	0000		
64~71	L	L	L	L	L	L	L	L			8	0000		
72~79	L	L	L	L	L	L	L	L			9	0000		
80~87	L	L	L	L	L	L	L	L			10	0000		
88~95	L	L	L	L	L	L	L	L			11	0000		
96~103	L	L	L	L	L	L	L	L	~		12	0000	~	

Step 3: Click "Save to Device" button to save the settings to the GW-7552

Select mod	ule													
🔲 Modul	e1 🔽	Mod	lule2	• М	odule3	8 🗆	Modul	e4 🗆	Mo	dul	e5 🥅 M	odule6 🔲 Modu	ile7	🗖 Module8
🔲 Modul	e9 🗖	Mod	lule10	🗆 М	odule1	1	Modul	e12	Mo	dul	e13 🕅 M	odule14 🔲 Modu	ile15	i 🗖 Module16
🔲 Modul	e17	Mod	lule18	🗆 М	odule1	9	Modul	e20 厂	Mo	dul	e21 🔲 M	odule22 🔲 Modu	ile23	Module24
🗖 Modul	e25	Mod	iule26	П М	odule2	7	Modul	e28	Mo	dul	e29 🗖 M	odule30 🥅 Modu	ıle31	Module32
0											ΔΩ			
Address	bit O	bit 1	bit 2	bit 3	bit 4	bit 5	bit 6	bit 7	~		Address	Configure(Hex)	~	Output
0~7	L	L	L	L	L	L	L	L			0	0000		
8~15	L	L	L	L	L	L	L	L			1	0000		Input
16~23	L	L	L	L	L	L	L	L			2	0000		
24~31	L	L	L	L	L	L	L	L			3	0000		Save to File
32~39	L	L	L	L	L	L	L	L			4	0000		
40~47	L	L	L	L	L	L	L	L			5	0000		Save to Devi
48~55	L	L	L	L	L	L	L	L			6	0000		
56~63	L	L	L	L	L	L	L	L			7	0000		
64~71	L	L	L	L	L	L	L	L			8	0000		
72~79	L	L	L	L	L	L	L	L			9	0000		
80~87	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ			10	0000		
88~95	Ĺ	L	Ĺ	L	Ĺ	L	L	Ĺ			11	0000		
96~103	r	L	Ŀ	Ŀ	L	L	L	Ŀ	~		12	0000	~	

Step 4: Switch to the normal state then reset the power make the setting work.



Finish~~

Note :

The GW-7552 Utility just only provide following functions:

- Safe value setting
- Display module parameters
- Show module address configuration