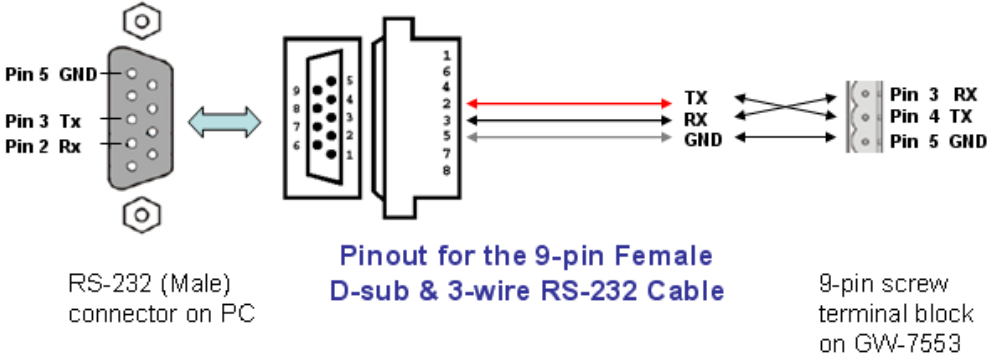
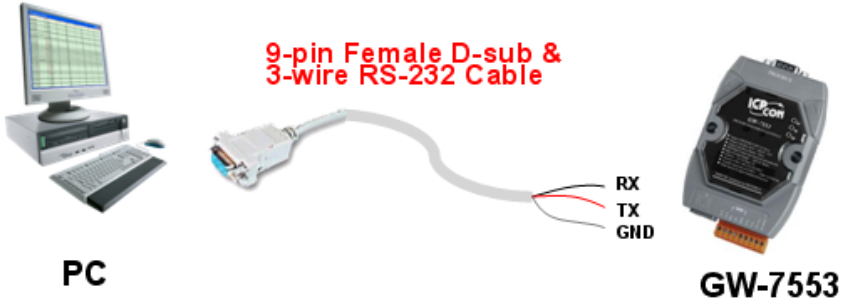
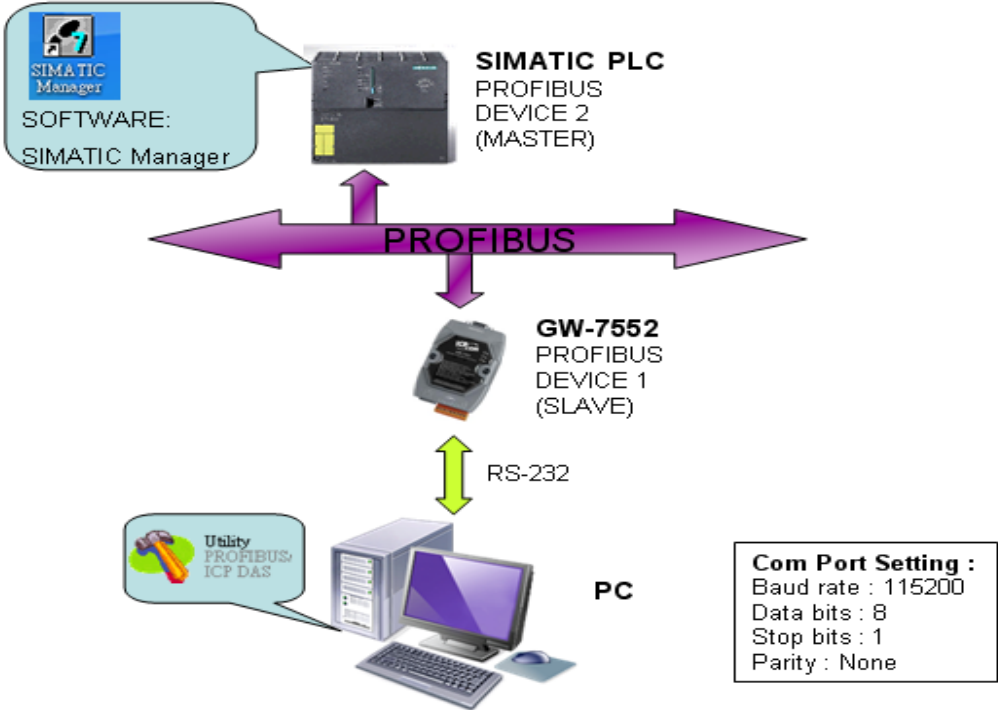
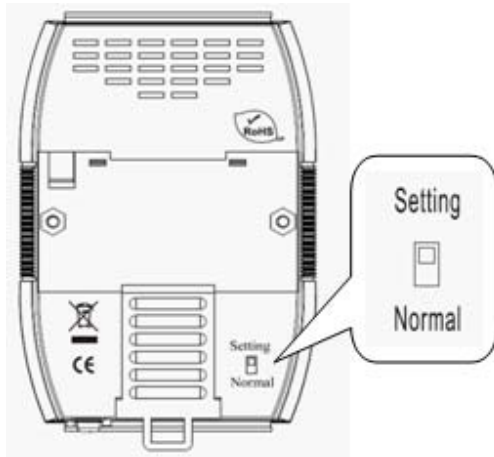


How to connect with GW-7553 and Utility (For SIMATIC STEP 7)

System Architecture



Step 1: Set the DIP switch to “Setting mode”



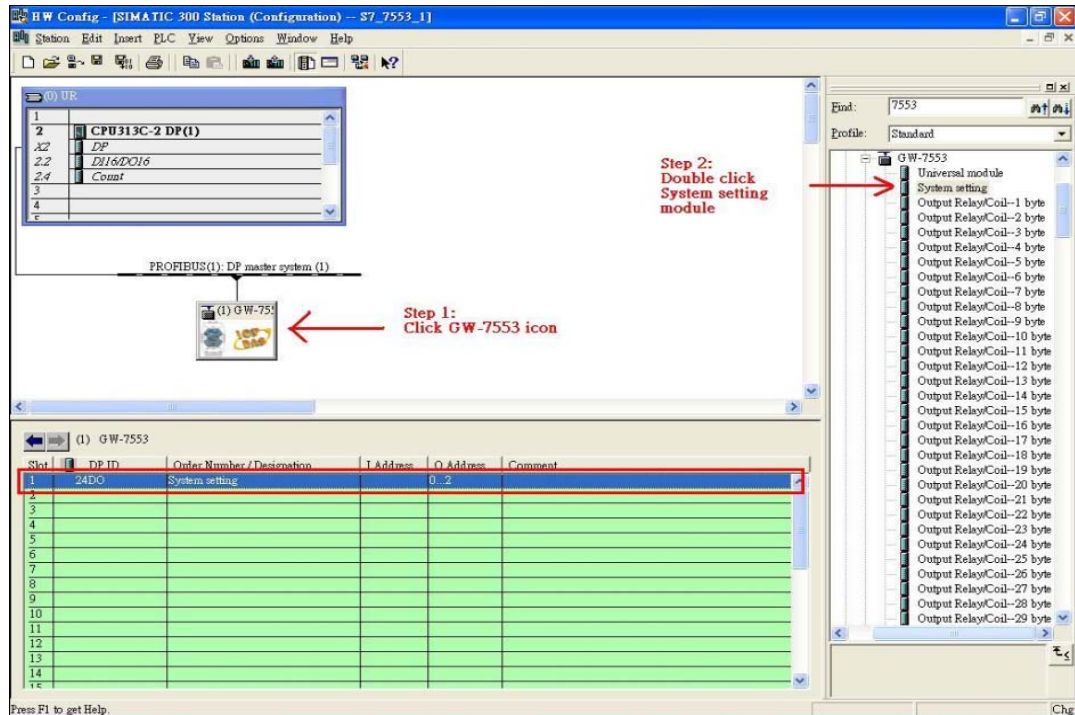
Step 2: Set the GW-7553 module

1. Add a GW-7553 module

The screenshot shows the HW Config software interface. A red arrow points to the 'PROFIBUS(1): DP master system (1)' in the hardware rack, with the text 'Step 1: Click PROFIBUS Network'. Another red arrow points to the 'GW-7553' module in the right-hand tree view, with the text 'Step 2: Double click GW-7553'. Below the rack view, a table shows the module details:

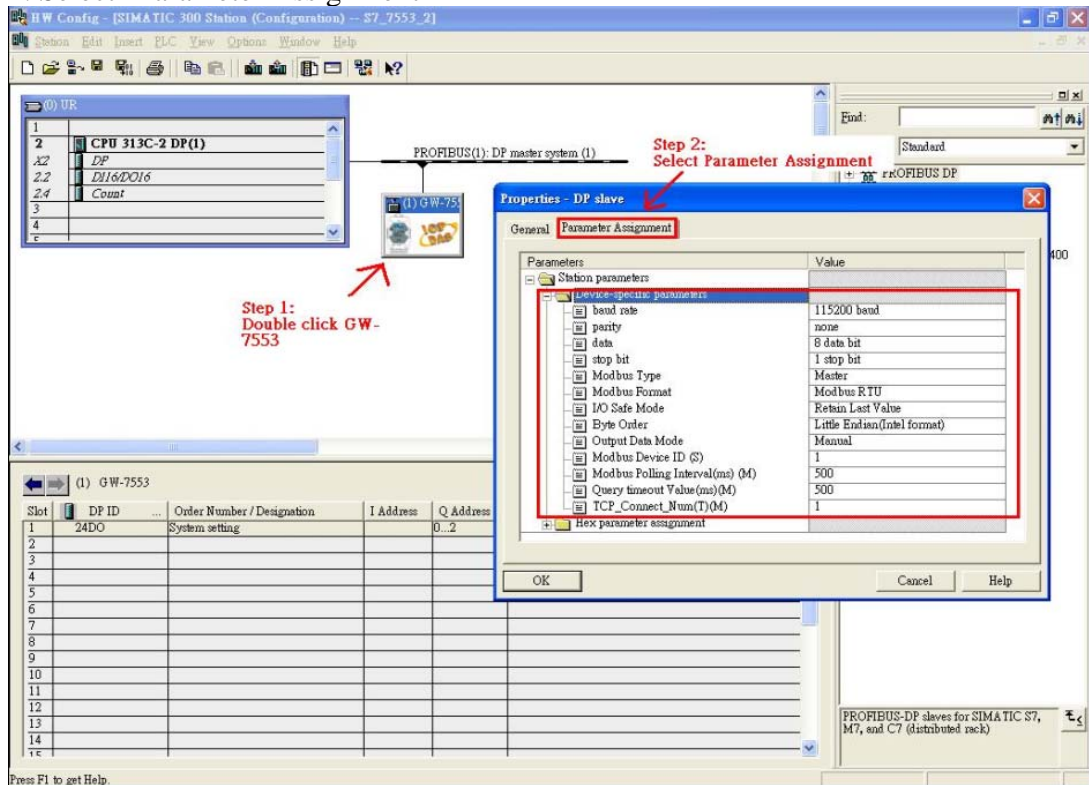
PROFIBUS address	Module	Order number	Firmware	Diagnostic address	Comment
1	GW-7553			1022	

2. Add a System module



Step 3: Set the parameters of the GW-7553

1. Double click GW-7553 icon
2. Select "Parameter Assignment"



Step 4: Compile and Download Objects into SIMATIC PLC

The screenshot shows the 'HW Config' window for a SIMATIC 300 station. The 'Station' menu is open, and 'Save and Compile' (Ctrl+S) is highlighted. The hardware rack table is visible below the menu.

Slot	DP ID	Order Number / Designation	I Address	Q Address	Comment
1	24DO	System setting		0..2	
2					
3					
4					
5					
6					
7					
8					
9					

Save and creates all system data in the current station.

The screenshot shows the 'HW Config' window with the 'Download' (Ctrl+L) menu option highlighted. The hardware rack table is visible below the menu.

Slot	DP ID	Order Number / Designation	I Address	Q Address	Comment
1	24DO	System setting		0..2	
2					
3					
4					
5					
6					
7					
8					
9					

Loads the current station into the load memory of the current module.

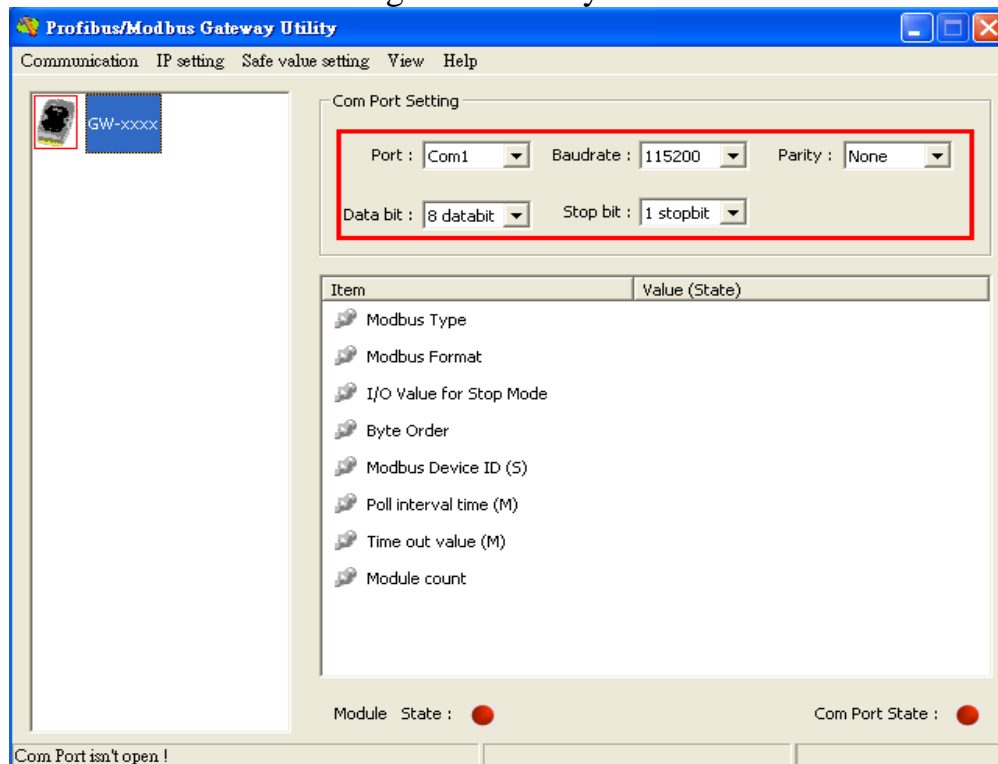
Step 5: Connect with GW-7553 and utility (You can download the latest Utility at

ftp://ftp.icpdas.com/pub/cd/fieldbus_cd/profibus_gateway/gw-7553/utilities/)

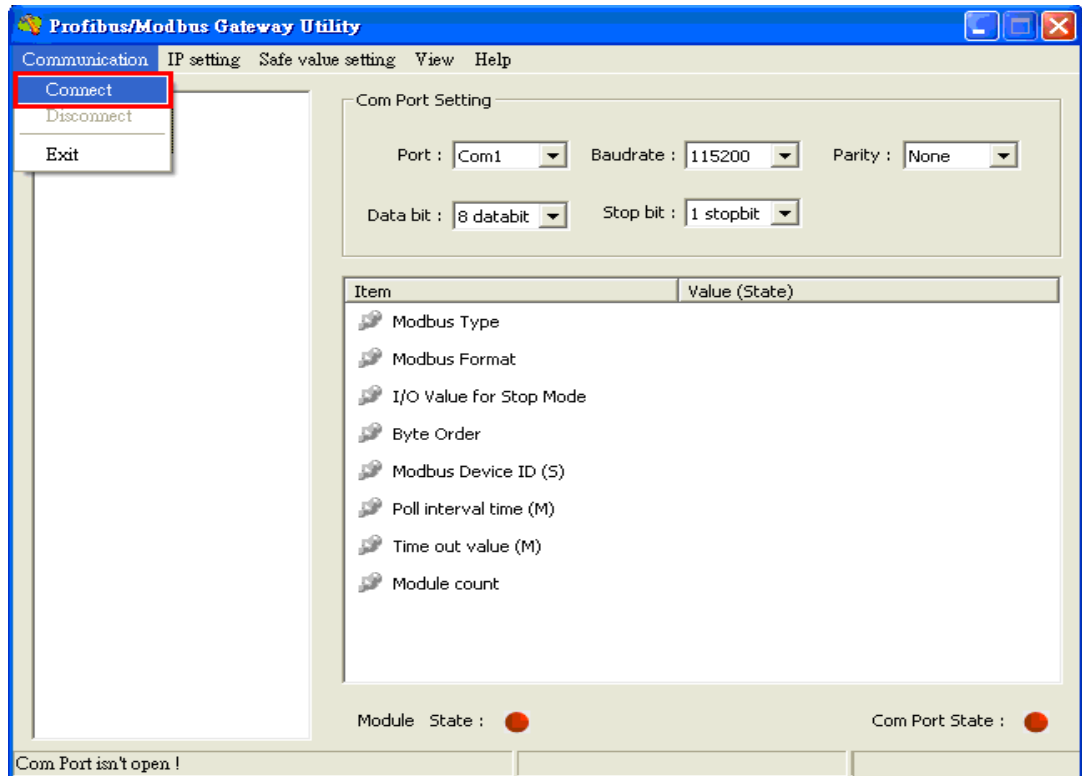
1. Before the connection, please make sure the RUN LED of the GW-7553 is on.



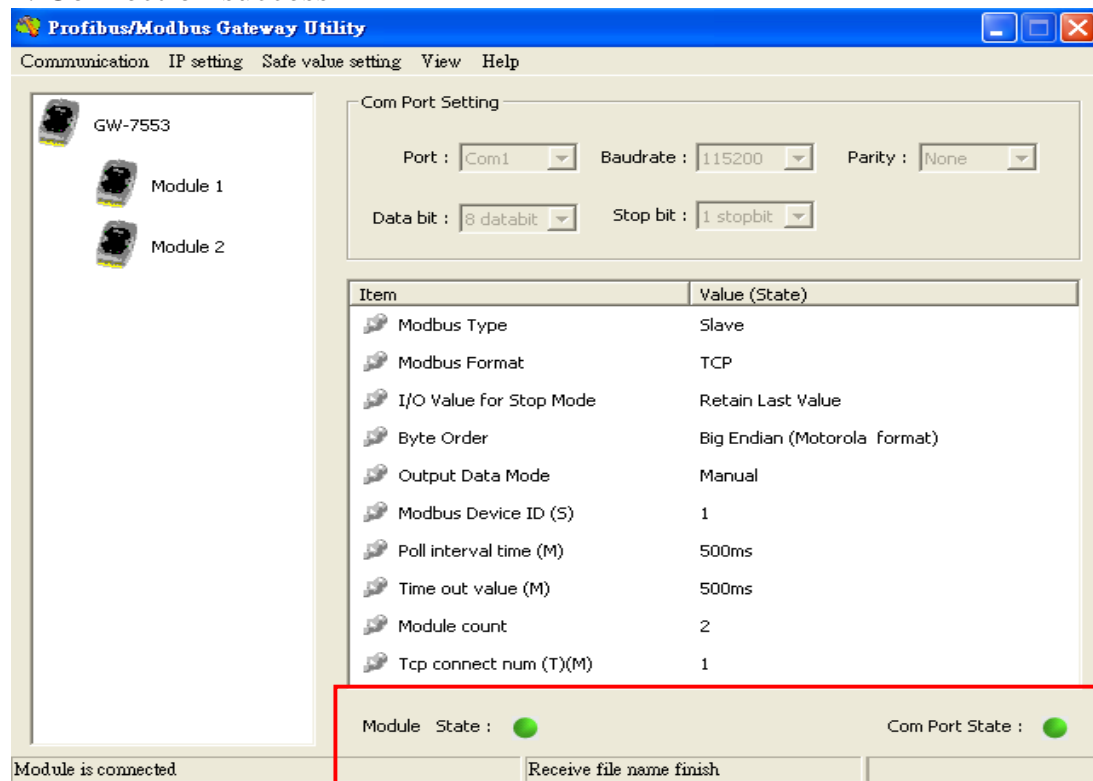
2. Set the Com Port Setting of the Utility



3. Click connect



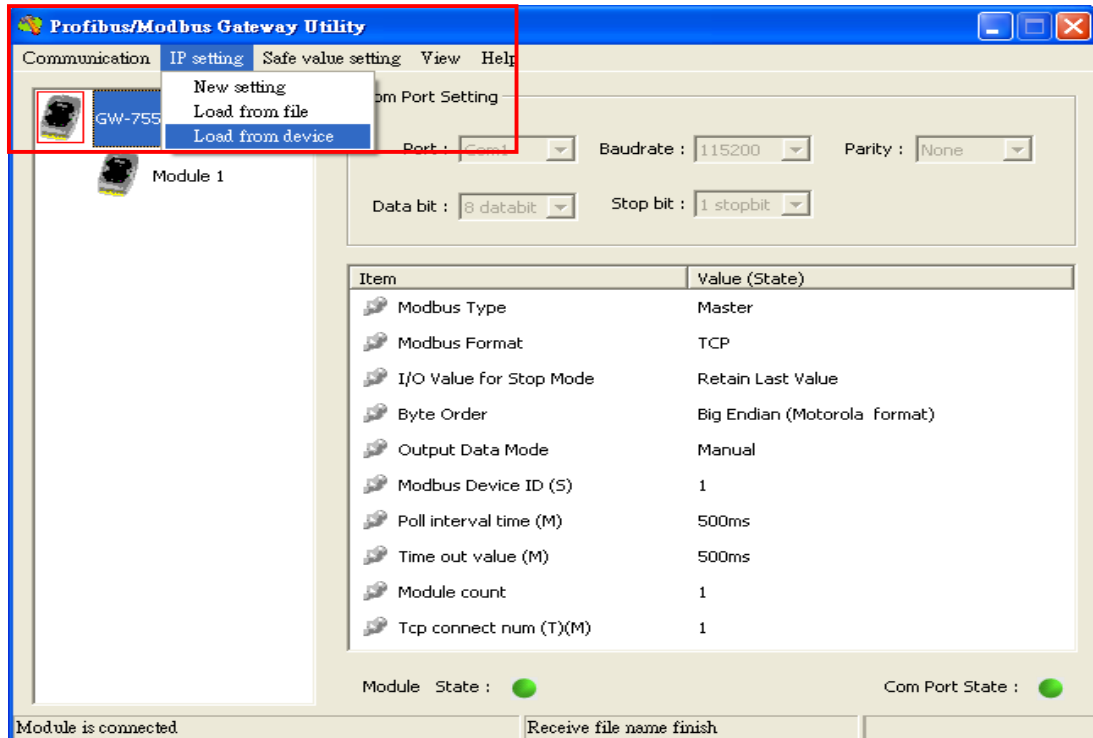
4. Connection success



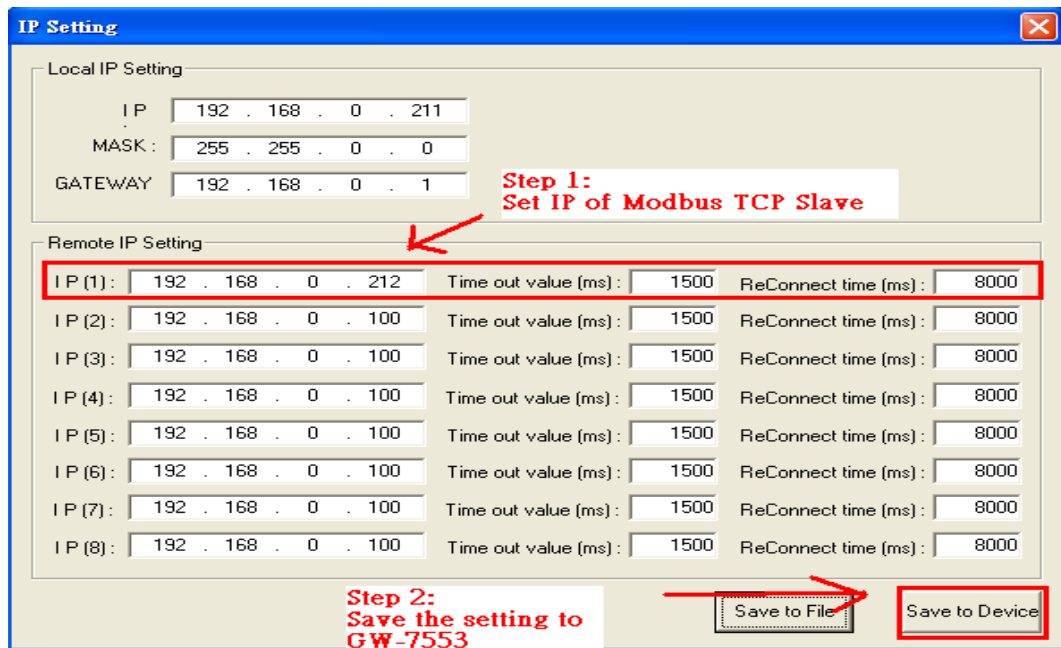
Step6: Click IP setting→Load from device to show IP setting dialog

1. Modbus Master mode

(1)Load from device

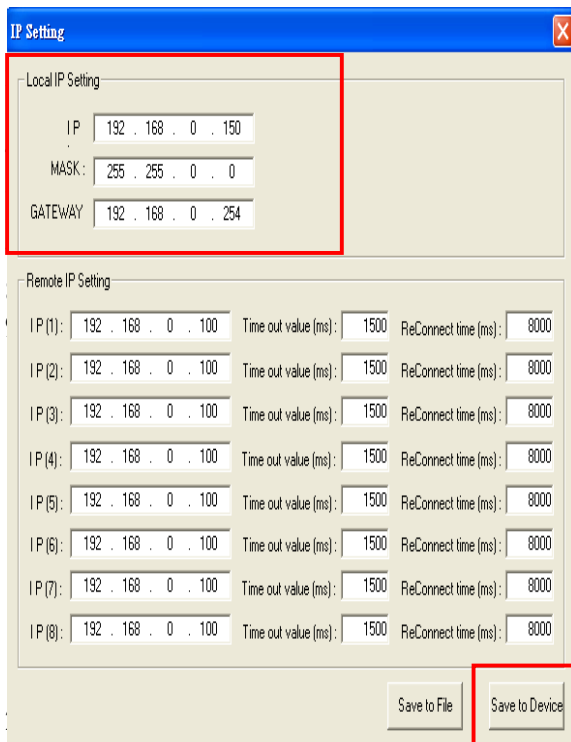
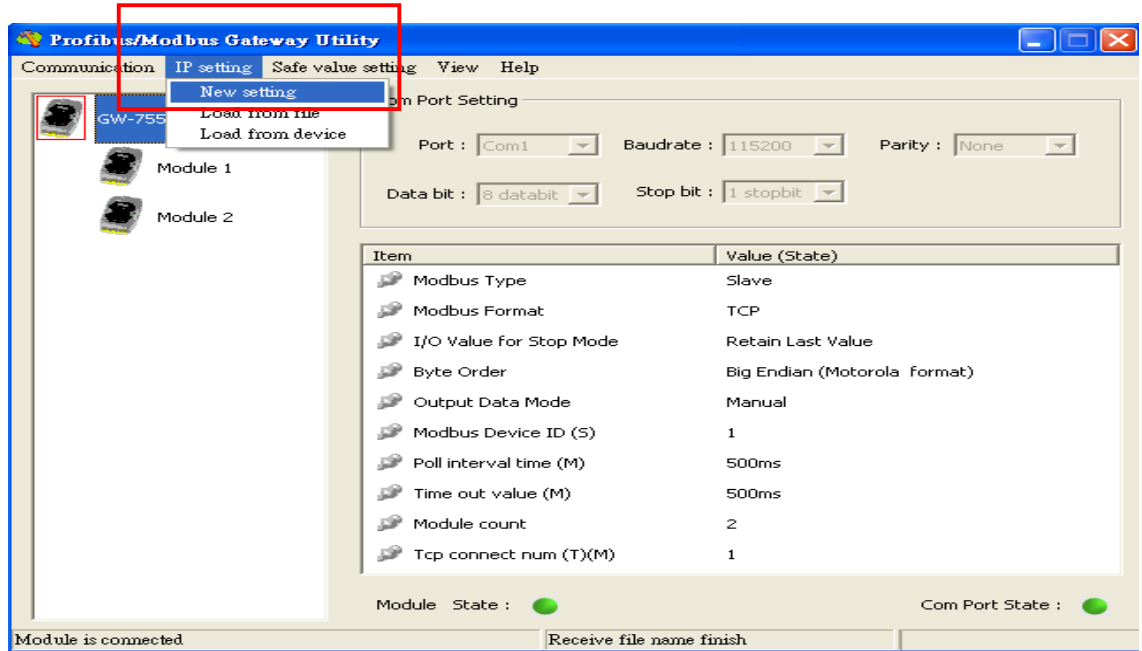


(2)Set the IP of the Modbus TCP Slave and click “Save to Device” button to save the settings.



2.Modbus Slave Mode

(1) The settings of the GW-7553 must have the same domain and different IP with the PC (ex: PC's IP=192.168.0.118, MASK=255.255.0.0; GW-7553's IP=192.168.0.150, MASK=255.255.0.0).Then click save to device.



Step 7: Reset the power of GW-7553 and Set the switch of the GW-7553 to normal mode.

