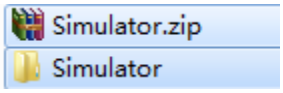
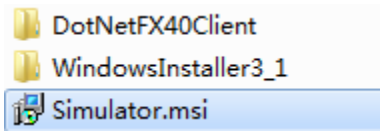
Operating Instruction

1. **Install the software:**

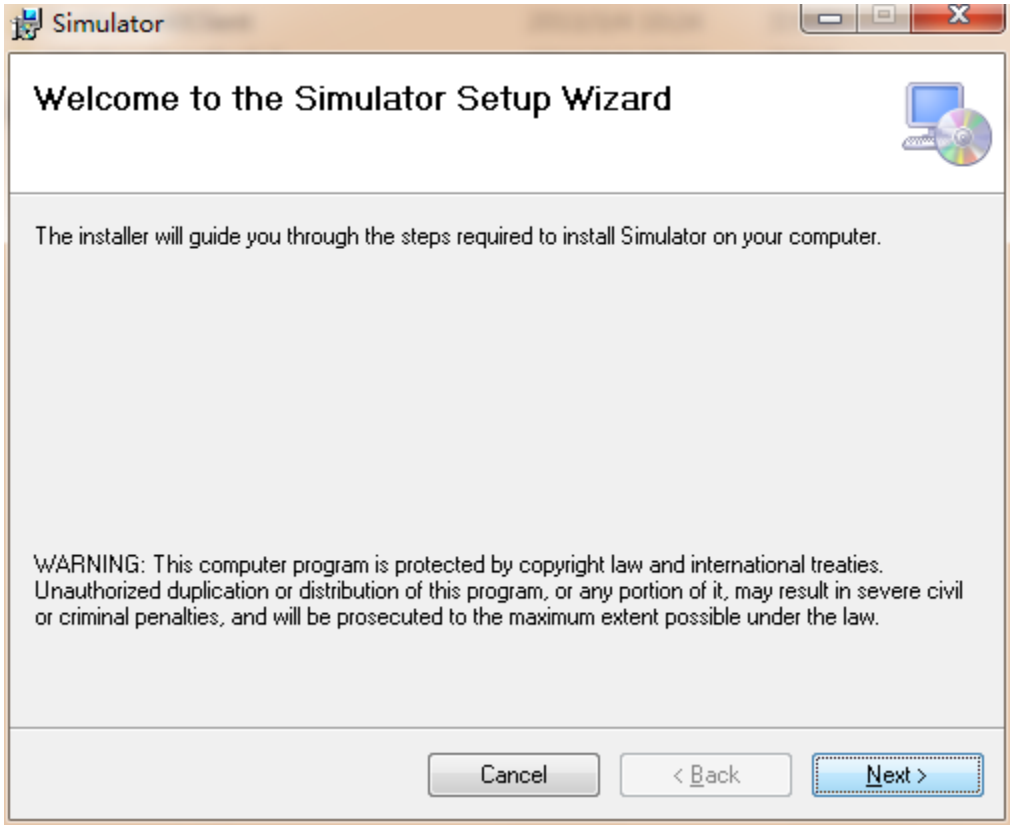
   o> Uncompress the installation package (Simulator.zip) into the corresponding path on your disk.



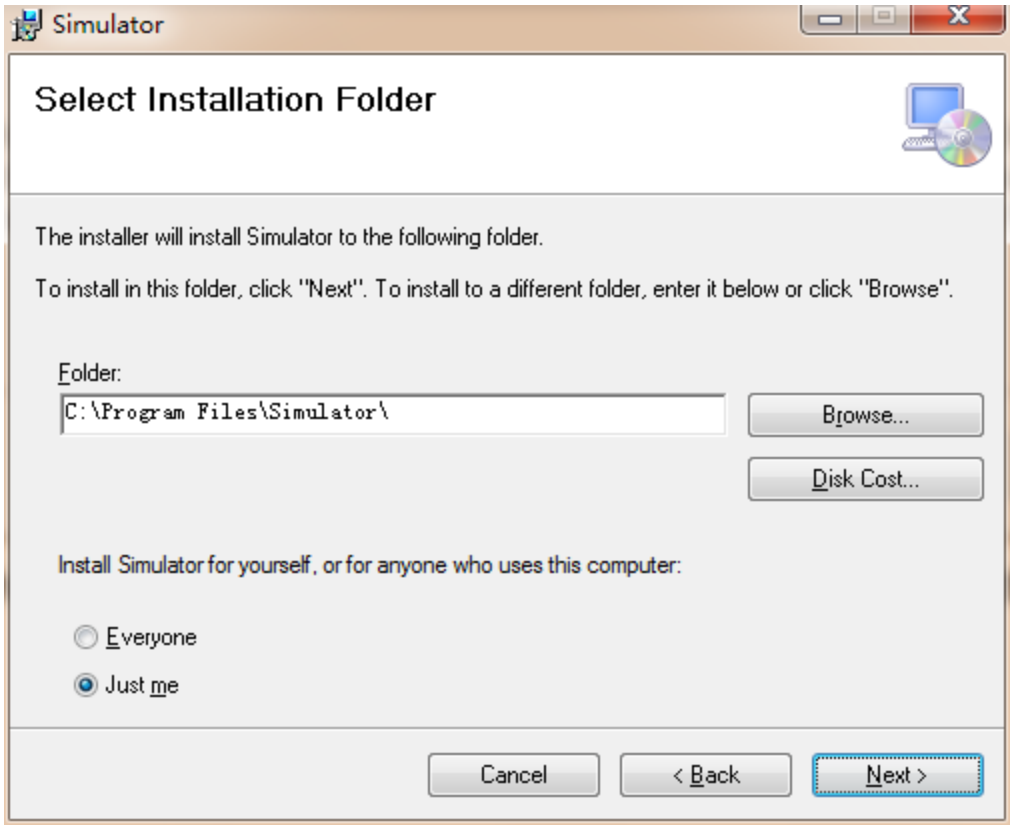
   o> Find the path "\Simulator\Simulator\Setup-Windows\", and you will see three files. Double click the "Simulator.msi" file to install software.



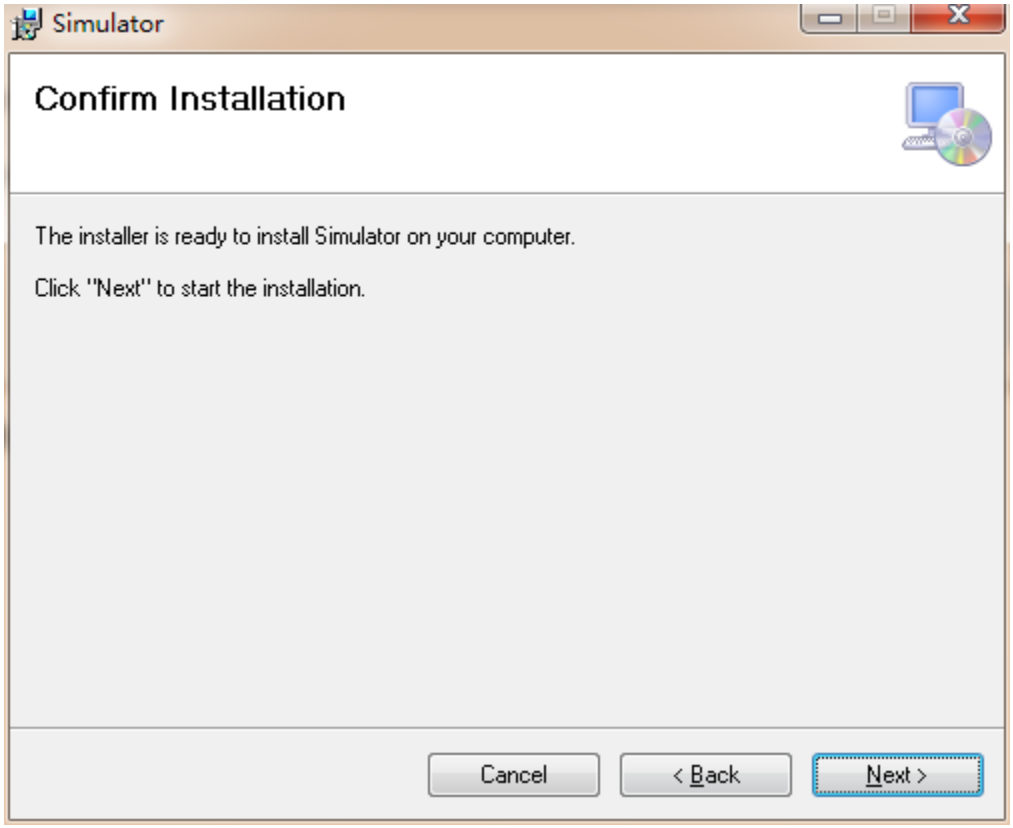
   o> Choose the "Next >" option.

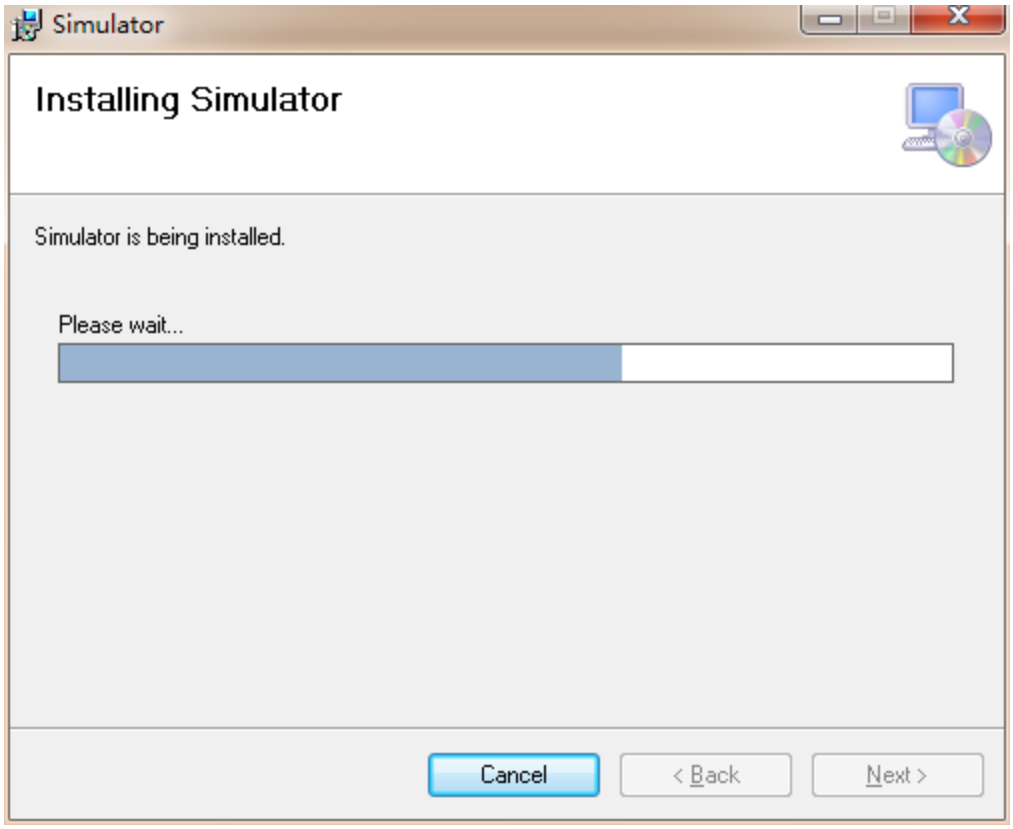


   o> Browse the folder which you want to install, and choose the "Next >" option.

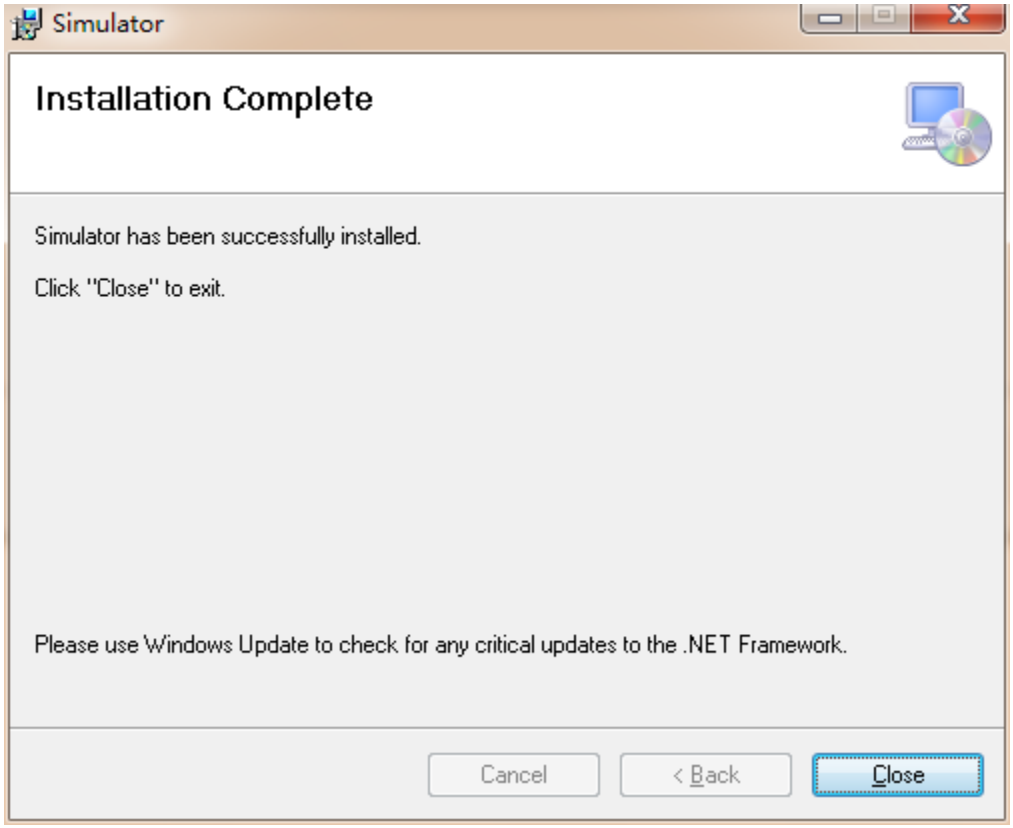


o> Choose the "Next >" option to be installed.





o> Complete the installation.

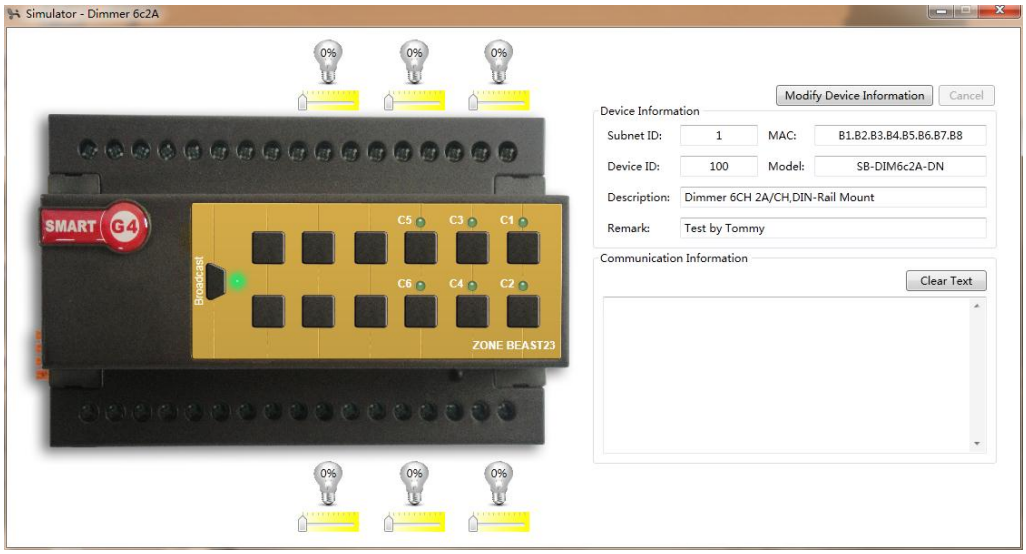


o> After that, you can see a new icon on your desktop.

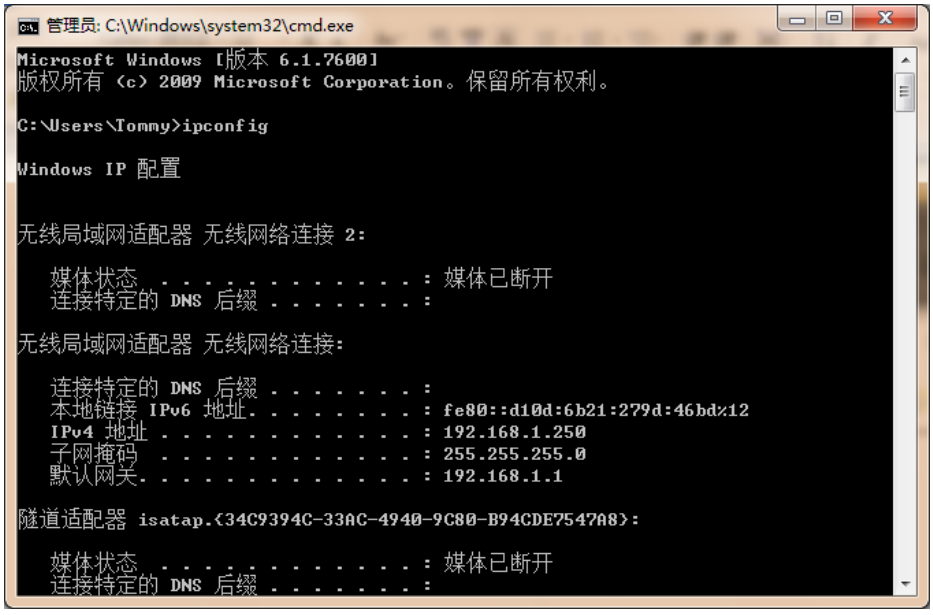
o> Install the application for IPhone, under the path "\Simulator\Simulator\Setup-IOS\"

2. Testing and debugging:

o> Double click and run it.

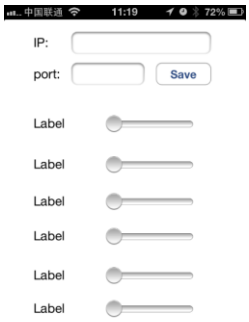


o> Get your local IP address from the "cmd" command.

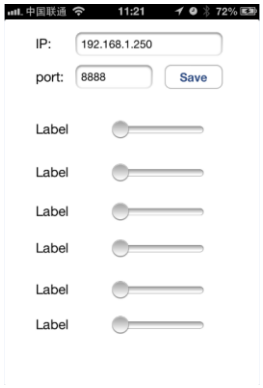


o> For example, my local IP address is "192.168.1.250".

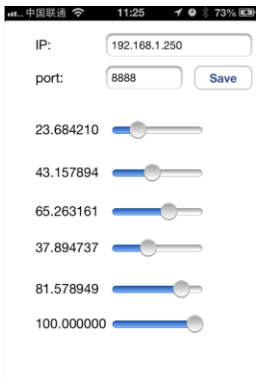
o> Pick up your phone, and run the "TommyTest" application.



o> Fill in your local IP address and default port (8888), and click the “Save” button.



o> Drag the scroll bar to control the simulator software changes.



o> Well, you will see the lights of the simulator software changes, and it receive the UDP data from the port.

3. Relevant protocol:

Operation Code: 0x0031		
Target Subnet ID:	Specify subnet ID of target device	scope 1-254
Target Device ID:	Specify device ID of target device	scope 1-254
Additional Content		
LEN of additional content: 4 bytes		
Index of Additional Content	**Remark**	**Value**
0	Light Channel No	1byte 1-255 if Channel no is 255, it means broadcast channels of the device.
1	Brightness Level	1byte,0-100 it's percentage of brightness
2	High 8 bits of Running time	Scope of Running time is 0-3600s H=(Running time) div 256
3	Low 8 bits of Running Time	L=(Running time) Mod 256

Response

Operation Code: 0x0032		
Target Subnet ID:	Broadcast address	0xFF
Target Device ID:	Broadcast address	0xFF
Additional Content		
LEN of additional content: 2 bytes		
Index of Additional Content	**Remark**	**Value**
0	Current Channel No	1byte
1	Flag for success/ failure	1byte, Success=0xF8 Failure =0xF5