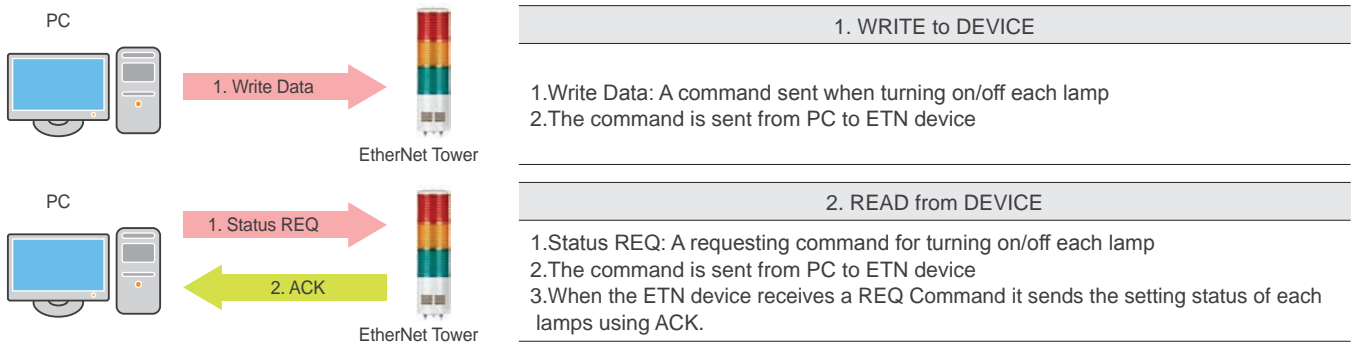


Technical Data of Ethernet LED Tower Light

6. What is Socket Program?

It is to implement a program to send and receive data between host PCs that are apart from each other in network programming. However, the connection between host PCs are far away so a device is that has a feature of connecting the two at a software level is required, and that device is the socket. Generally, the terms “socket programming” and “network programming” have the same meaning. We have provided a library file for users so that they can easily use the socket program.

※ The figure below show the sequence of our ETN Tower Lamp.



7. Applying the Ethernet Device

1. Proceed to check the current network and the assigned IP address of your PC.
Start(run) -> CMD – ipconfig/all

```

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address. . . . .               : 192.168.10.101
    Subnet Mask . . . . .             : 255.255.255.0
    Default Gateway . . . . .         : 192.168.10.1
    
```

2. Because the ETN tower light is connected to a hub with the PC that is same as the picture on the front page, ETN tower light and the PC are now connected with the same network.
3. Download the library file, test programs and manuals from the CD provided or from our website.
4. When you unzip the file, there will be a file with the same name below. The instructions are listed inside the file.

+ Technical data download

Manual Download | technical diagram Download | Technical diagram Auto CAD file Download | PDF catalogue Download

Test Program Download | Manual & library Download

➔

- 1.Dev. ETN Program Sample
Program Sample needed when developing (x32bit/x64bit compatibility)
- 2.How to use
Instructions of how to use the product and library file

Technical Data of Ethernet LED Tower Lamp

5. When you unzip “ETN TEST PROGRAM.zip” file, following folders are created.

1.ETN Test Program

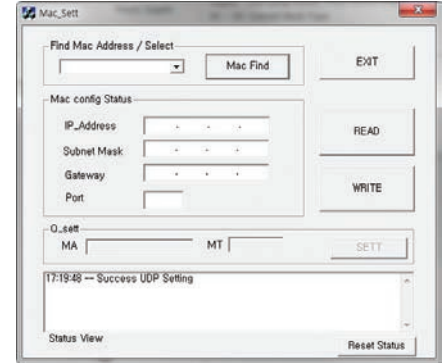
A program for setting IP before testing the ETN device

2.IP Set Program

A program for setting testing the ETN device

6. Run the “Mac_Setting.exe” program that is inside the IP Set Program Folder .

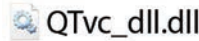
- When the program is running such as the right figure, click the “Mac Find” button in the “Find Mac Address / Select” section
- MAC Address of the connected device appears when you click the Device List combo box . (If the Mac Addr does not appear, make sure that the connection status or the power supply is functional and then retry.)
- Select the MAC Addr of the device you want to change, and then click on the “Read” button.
- Check the information and settings from the “Mac config status”
- Set the value of users network information identified in the previous chapter (subnet mask, gateway) in each text box, and set a different IP_Addr than your PC
Apply the settings by pressing the Write button
- The port is set to “20000”by default and the port number can be changed if necessary
- Reconnect After Disconnecting the power from the tower light.



7. ETN Test Program Files folder includes the following below.



Test Program



Library required for the test program

8. Run the “QLight_Lamptest_TCP” program.

Article	Detailed specification
1 Network Information Setting	- Input port on TCP/PORT and IP address on TCP/IP that set on Ethernet tower lights
2 Lamp Control	- ON : Click the button Lamp ON - ON/OFF : Click the button Lamp Flash - OFF : Click the button Lamp OFF
3 Model Select	- WS : 5 warning sounds(mono) - WP : 5 special warning sounds(mono) - WM(1) : 5 Melodies(mono) - WA(1) : 5 alarms(mono) - WB : Software Buzzer 5 sounds(speaker type) - Buzzer : 5 Buzzer sounds - WM(8) : 5 Melodies(8 chord) - WA(8) : 5 alarms(8 chord)
4 Sound Select	- Select 5 sounds based on model which is fixed on “Model select

- User can select appropriate sound pattern by using ‘Model select’ menu. There’re WS, WP, WM, WA and WB sound patterns and user can choose the option when placing order.

