LightSync TCP/IP LSSIICM
Interface Installation

LightSync TCP/IP LSSIICM

LightLEEDer 16 Lighting Controller

Wifi Access point or Router

Phone or Tablet
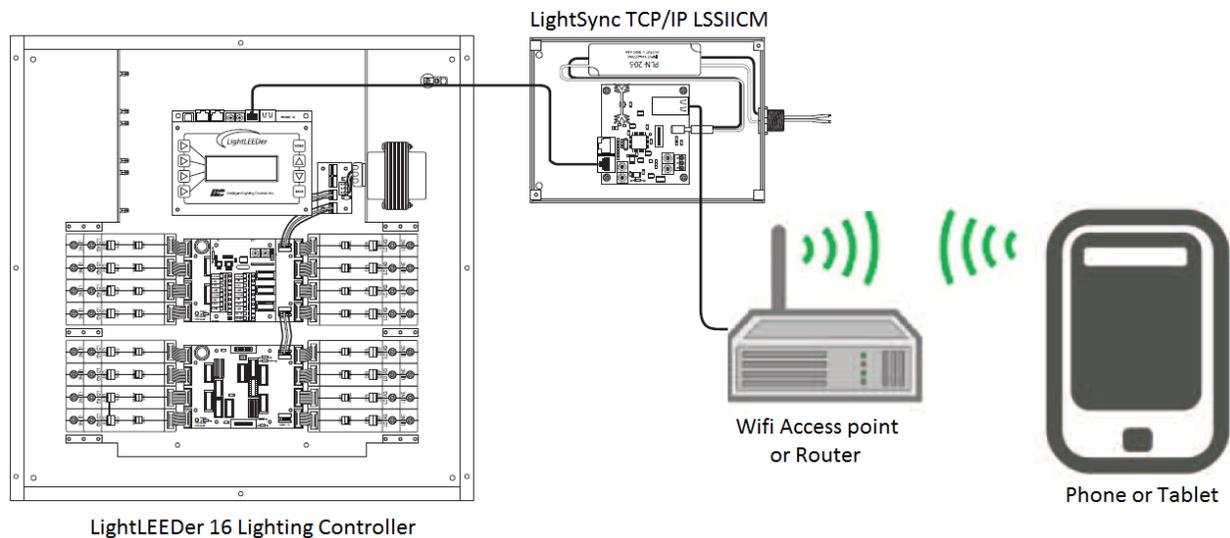
Example Installation:

When Installing the LightSync Wifi interface module, first verify a location where all the required connections can be made, and the device is accessible for possible adjustment or maintenance. Verify that a building LAN connection or Wifi Router can be located nearby for creating the wireless link to the customer's smart phone or tablet utilizing the ILC Mobile Link Wifi App.

- Install the NEMA-1 enclosure in an indoor location
- Connect 120VAC power to the provided power supply
- Install a CAT-5e data cable from the out port of the LightLEEDer panel to the "IN" port of the LSSIICM
- Set the LightSync device address (Base address)
- Set the dip switches for the address count settings (See PD0622A)
- Verify that the LightLEEDer panel can read the LSSCCIM device using the Diagnostic Tool in the LightLEEDer-Pro software or at the panel keypad
- Connect a CAT-5e data cable from the building LAN or Wifi router to the TCP/IP port on the LSSIICM
- Setup the TCP-IP port on the LSSIICM for the LAN network or Router/Access point address (Figure 1 and 2)
- Verify the Modbus configuration (Figure 3) within the Lantronix XPort, this will be factory set
- You may test the interface using a Modbus test software like ModScan 32 (Figure 4)
- Download the Mobile LightSync Link Wifi App from the Google Play Store or Apple App Store
- Configure and test the Mobile LightSync Link Wifi App with your system

intelligent
lighting controls

952.829.1900 | ilc-usa.com

TCP/IP port Settings:

The standard setting for the Lantronix XPort TCP/IP interface is shown below in figure 1

Network
Server
Serial Tunnel
  Hostlist
Channel 1
  Serial Settings
  Connection
Email
  Trigger 1
  Trigger 2
  Trigger 3
Configurable Pins
Apply Settings
Apply Defaults

Network Mode: Wired Only ▼

IP Configuration

○ Obtain IP address automatically

Auto Configuration Methods

BOOTP: ◉ Enable ○ Disable

DHCP: ◉ Enable ○ Disable

AutoIP: ◉ Enable ○ Disable

DHCP Host Name: [   ]

◉ Use the following IP configuration:

IP Address: 65.124.130.148

Subnet Mask: 255.255.255.248

Default Gateway: [   ]

DNS Server: [   ]

Ethernet Configuration

☑ Auto Negotiate

Speed: ◉ 100 Mbps ○ 10 Mbps

Duplex: ◉ Full ○ Half

[OK]

Figure 1 - Lantronix Network Settings

intelligent
lighting controls

952.829.1900 | ilc-usa.com

ID0624 Rev B.

Figure 2 - Connection Settings

Figure 3 - Modbus Serial Settings

952.829.1900 | ilc-usa.com

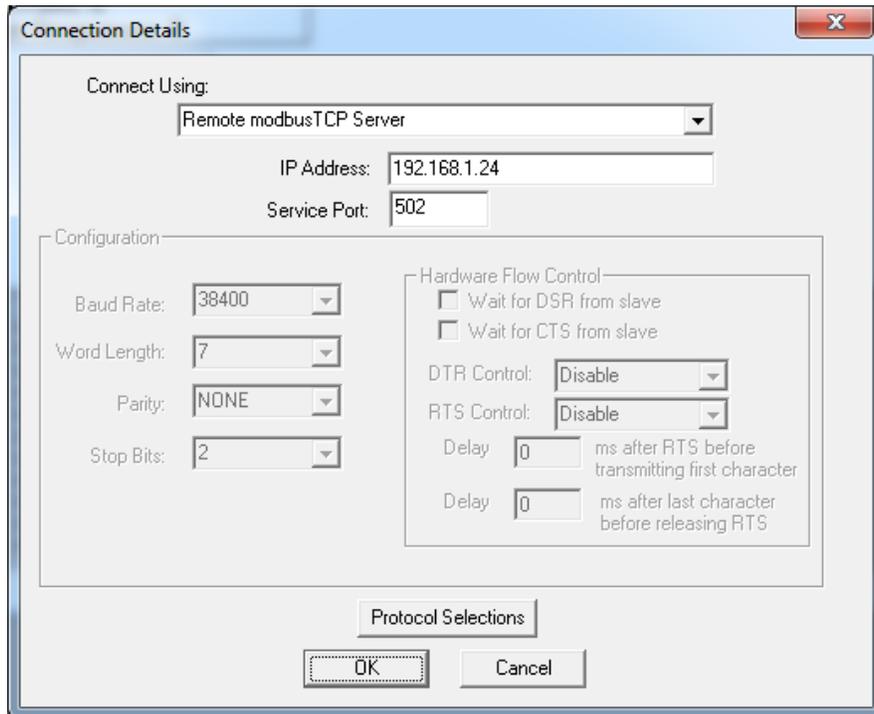Testing the interface can be done using a Modbus test software to verify operation of the TCP/IP ports communication, setting for ModScan 32 test software are shown in Figure 4

Figure 4 - ModScan 32 Settings