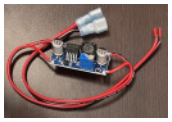
TECHNICAL BULLETIN

AtoN IX10 to Drake Lighting Installation Manual

Product:	12003052 - AtoN IX10 Modem Kit for Drake Lighting Installation Manual
Brand(s):	SPX AtoN (All Brands)
Effective Date:	January 13, 2024
Part Affected:	12003051 - AtoN IX10 Modem Kit for Drake Lighting
Issued By:	Joshua Crowne, Manager, Systems and Solutions Engineering

This bulletin is issued to provide a method of procedure for installing a IX10 modem into a Drake Lighting system. When there is no communication with the modem at a Drake/Technostrobe site you will need to replace the Drake WR11 modem with a AtoN IX10 modem. This kit comes with the parts needed for this. The parts included are below.

51001525	AtoN IX10 Modem	
PWR-5VDC-BOOST	DC-DC Boost Converter	
HAR-IX10-PWR	Power Cable for IX10 Modem	
ITL-9700-MOD	MON-9700 Modem board assembly	
HDW-F362-500	Flush Mount Screws	
HDW-NYL6-313	Nylon Spacers	
HDW-0632-31S	Panhead Screws	
HDW-BUTT-BLU	Butt-splice	

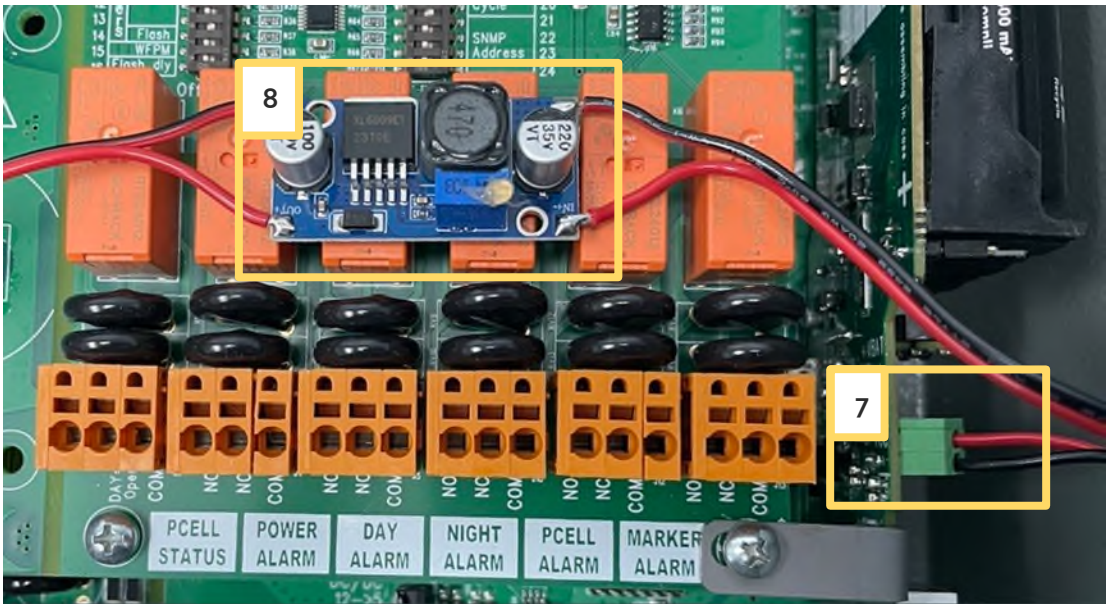
INSTALL INSTRUCTIONS

1. Turn off the power to the lighting system using the external breaker.
2. Remove the WR11 Modem.

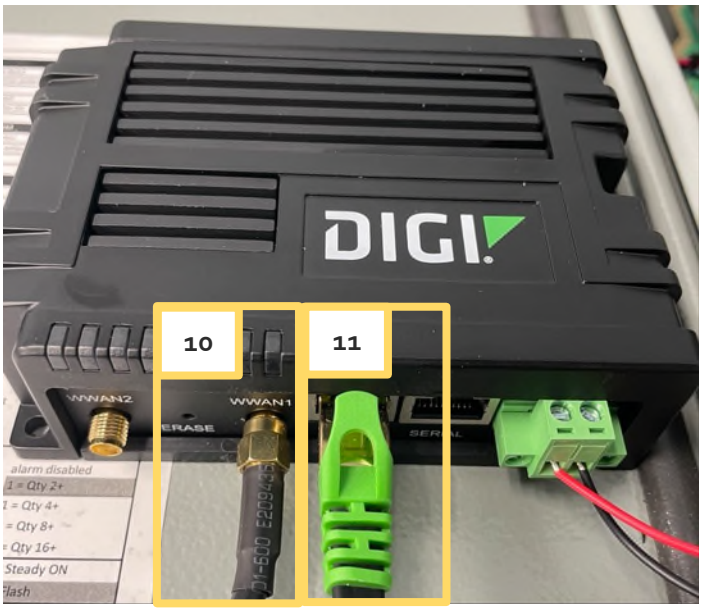
   The WR11 modem can be found in 2 different places shown below.

3. Install a Verizon SPX AtoN SIM Card (**51001526)** into the IX10 modem using SIM card slot one.
4. Install the ITL-9700-MOD where the WR11 was mounted using 4 HDW-NYL6-313 and 4 HDW-F362-500 spacers and screws.
5. Install the IX10 Modem onto the ITL-9700-MOD using 3 HDW-0632-31S screws.
6. Remove the WR11 Power cable from the SNMP Enabler board and remove from the lighting system.

7. Connect the PWR-5VDC-BOOST- DC-DC Boost Converter (**IN SIDE**) to the SNMP Enabler board
8. Mount the PWR-5VDC-BOOST- DC-DC Boost Converter using the double-sided tape to the lighting system.



9. Connect the HAR-IX10-PWR - Power Cable for IX10 Modem to the PWR-5VDC-BOOST- DC-DC Boost Converter (**OUT SIDE**) using the two HDW-BUTT-BLU - Butt-splices and the IX10 Modem
10. Connect the antenna to the IX10 Modem.
11. Connect the Ethernet cable to the IX10 Modem.



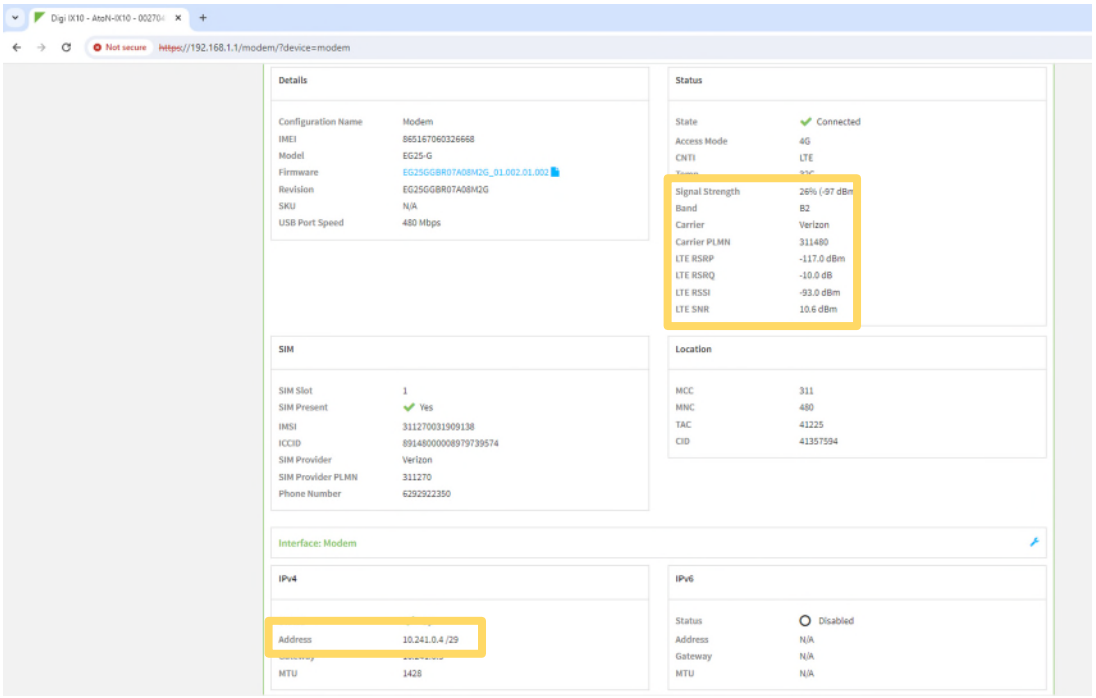
12. Power the lighting system with the external breaker.

13. Verify the IX10 Modem LEDs are: (**Please wait 10 minutes for the modem to come online**)

PWR	**BLUE**
SIM	**GREEN**
LTE	**BLUE**
1	**GREEN**
2	**GREEN**
3	**GREEN**
4	**GREEN** or **OFF**
5	**GREEN** or **OFF**

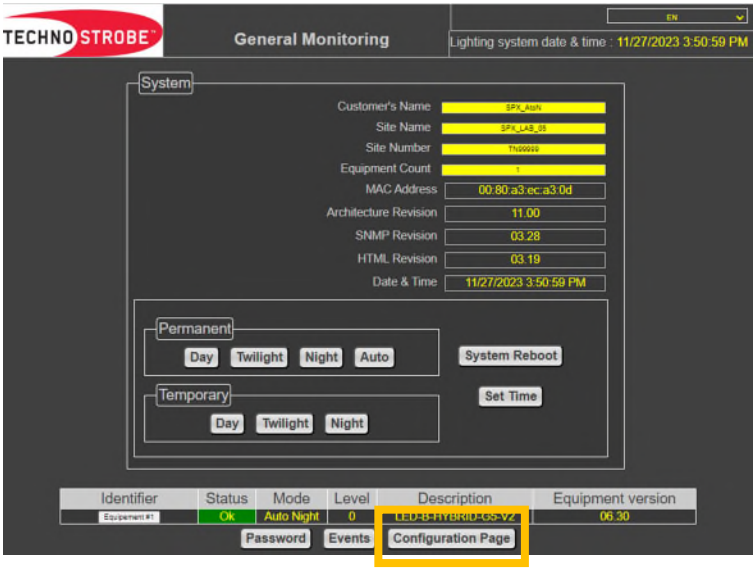
If the modem does not come up on the network, switch the SIM card to a AT&T SPX AtoN SIM Card (**51001527)** and repeat step 13. If it doesn't you need to call SPX technical support.

14. Take a screenshot of the web GUI modem status page. This will need to be sent to SPX in the closeout to record the IP Address and signal strength.

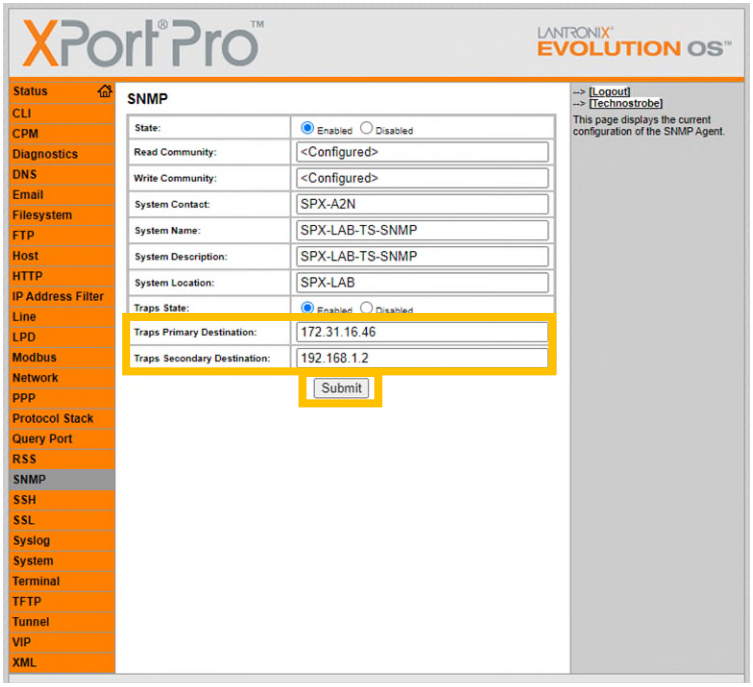


15. Connect the Ethernet cable from the laptop and to the Drake/Technostobe SNMP Enabler card.

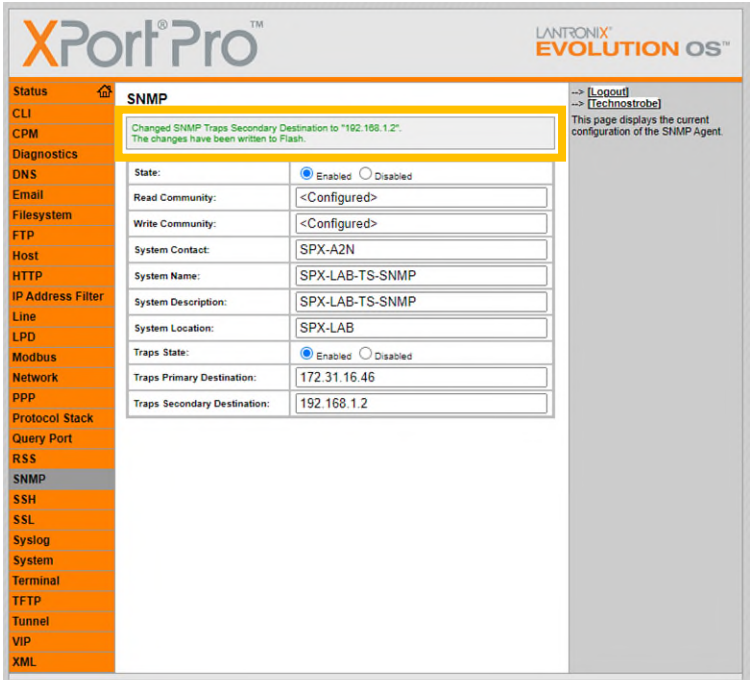
16. Navigate your web browser to the IP address 192.168.1.25
17. Login to the Drake/Technostrobe web GUI
    a. Username => super admin
    b. Password => superadmin0!
18. Click on the 'Configuration Page' button.



19. Click on the ‘SNMP’ menu item and change these settings to
    a. Traps Primary Destination => 172.16.6.136
    b. Traps Secondary Destination => 172.31.15.234
20. Click the ‘Submit’ button.



21. Verify that the change was successful and written to Flash.



22. Connect with SPX AtoN NOC to onboard, test communication and test alarms.

23. The onboarding document can be found here: https://www.itl-llc.com/digi_wr11/config/drake/onboarding
24. Verify with the NOC that they can communicate and onboard the lighting system.
25. Once onboarded put the SIM card sticker included with the SIM Card onto the IX10 modem so the ICCID and IP address can be easily identified in the closeout pictures and future needs. This sticker may be white or yellow with black text.

CLOSEOUT PICTURES NEEDED

1. Screenshot of modem homepage showing the Signal Strength and IP Address. (Previously Captured)
2. Picture of the modem with IP address clearly visible. (This is the label previously mentioned in step 24)
3. Picture of the modem serial label with serial number clearly visible. (Located on the back of the Digi WR11 Modem and Previously Captured)
4. Picture of the lighting system serial label with the serial number clearly visible.
5. Picture of the overall lighting system with the enclosure open.
6. Picture of the overall lighting system with the enclosure closed.
7. Pictures of the compound to show how it looked when you leave.
8. Picture of the access gate/s closed and locked when you leave.
9. Picture of the signage with the site identification clearly visible.
10. Send all these pictures in their highest quality to AtoN.NOC@spx.com with the Site ID in the subject.

Please contact our SPX AtoN NOC for Onboarding and Testing.

They are available 24/7.

Call 615-503-2228 (Flash Lighting)