

# TECHNICAL BULLETIN

## Drake NOC Conversion Procedure

Product: Drake Lighting System  
 Brand(s): SPX AtoN (All Brands)  
 Effective Date: January 13, 2024  
 Part Affected: Drake Lighting System  
 Issued By: Joshua Crowne, Manager, Systems and Solutions Engineering

This bulletin is issued to provide a method of procedure for SPX installers to install a NOC SIM card into an existing Technostrobe/Drake lighting system so it will report to the SPX NOC. This will convert the Drake monitored site to a SPX monitored site.

### SIM INSTALLATION STEPS

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

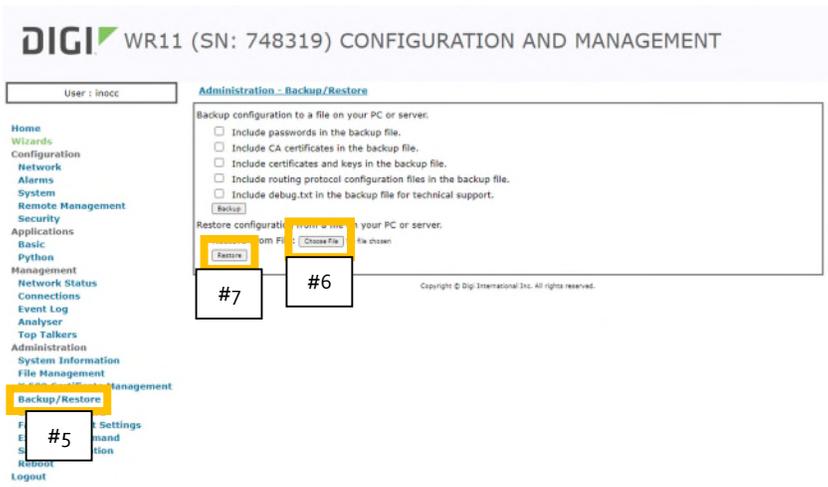
The WR11 modem can be found in 2 different places shown below.



3. Remove the lighting system modem (Location shown above).
4. Take a picture of the back of the modem to record the SN and MAC address. (For Closeout)
5. Remove the SIM card cover and remove any SIM card that is installed.
6. Install a Verizon SPX AtoN SIM Card (**51001526**) into the modem in SIM slot 1 and re-attach the SIM card cover.
7. Re-Install the modem in the lighting system and re-attach all cables except for the Ethernet cable. (Location shown above).
8. Restore power to the lighting system using the external breaker.

## MODEM CONFIGURATION STEPS

1. Download the WR11 configuration file to your laptop from here:  
[https://www.itl-llc.com/digi\\_wr11/config/drake/vzw](https://www.itl-llc.com/digi_wr11/config/drake/vzw)
2. Connect an Ethernet cable to the laptop and to the WR11 modem.
3. Navigate your web browser to the 192.168.1.1
4. Login to the DIGI web GUI
  - a. Username => admin
  - b. Password => UgoTower\$
5. Click on the 'Backup / Restore' link on the left side of the page.
6. Click on the 'Choose File' button and choose the file downloaded in step 1.
7. Click on the 'Restore' button.

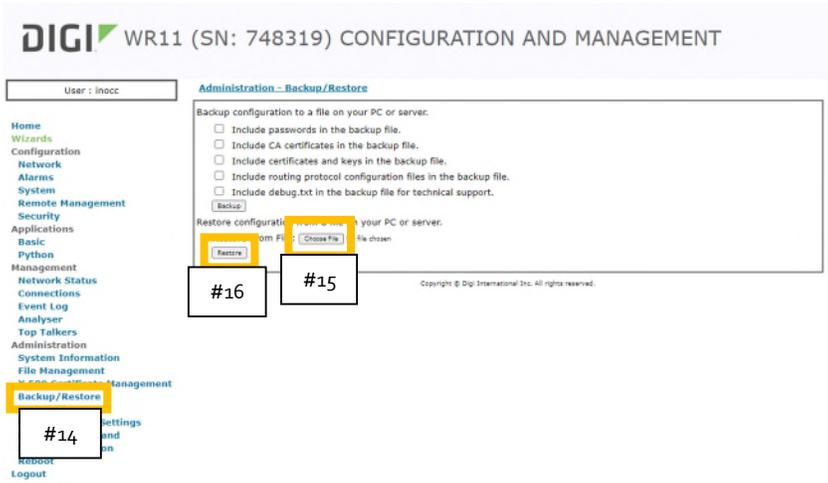


8. Click the 'Reboot Now' button on the page that automatically loads.
9. Verify the Digi WR11 Modem LEDs are: **(This may take 10 minutes)**

SERVICE	FLASHING <b>GREEN</b>
SIGNAL	FLASHING <b>GREEN</b>
POWER	SOLID <b>GREEN</b>

10. If the modem does not come up on the network, switch the SIM card to a AT&T SPX AtoN SIM Card (**51001527**) and continue. If it does go to step 22.
11. Download the WR11 configuration file to your laptop from here:  
[https://www.itl-llc.com/digi\\_wr11/config/drake/att](https://www.itl-llc.com/digi_wr11/config/drake/att)
12. Navigate your web browser to the 192.168.1.1

13. Login to the DIGI web GUI
  - a. Username => admin
  - b. Password => UgoTower\$
14. Click on the 'Backup / Restore' link on the left side of the page.
15. Click on the 'Choose File' button and choose the file downloaded in step 11.
16. Click on the 'Restore' button.



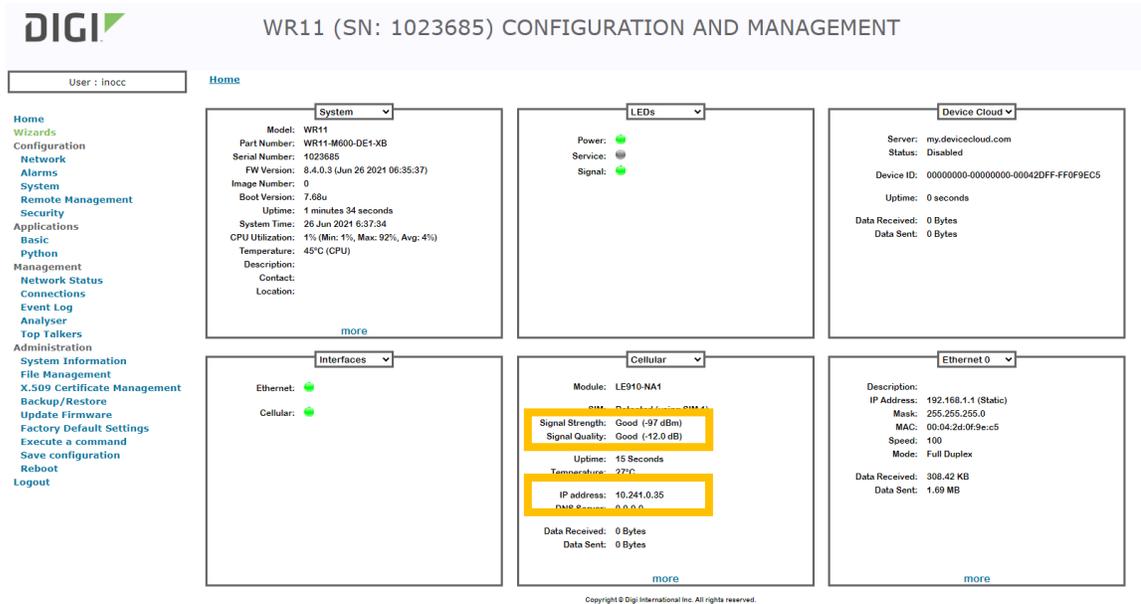
17. Click the 'Reboot Now' button on the page that automatically loads.
18. Verify the Digi WR11 Modem LEDs are: **(This may take 10 minutes)**

SERVICE	FLASHING GREEN
SIGNAL	FLASHING GREEN
POWER	SOLID GREEN

19. If the modem comes up on the network skip to step 23.
20. If the modem is still not on the network you will need to swap the modem with a IX10 modem kit **12003051** - AtoN IX10 Modem Kit for Drake Lighting.
21. Instructions for installing this kit are located at this link.

[https://www.itl-llc.com/digi\\_ix10/config/drake/manual](https://www.itl-llc.com/digi_ix10/config/drake/manual)

22. Take a screenshot of the web GUI homepage. This will need to be sent to SPX in the closeout to record the IP Address and signal strength.

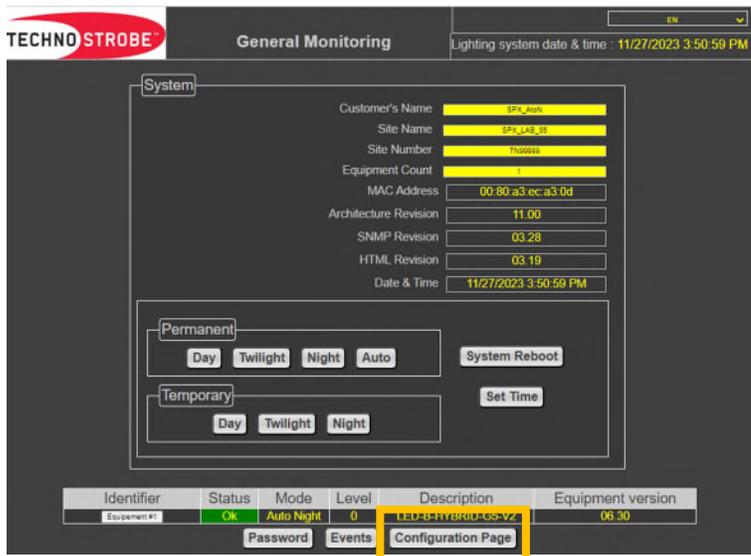


23. Remove the Ethernet cable from the modem and re-connect the lighting system Ethernet cable to the modem.
24. Connect the Ethernet cable from the laptop and to the Drake/Technostobe SNMP Enabler card.



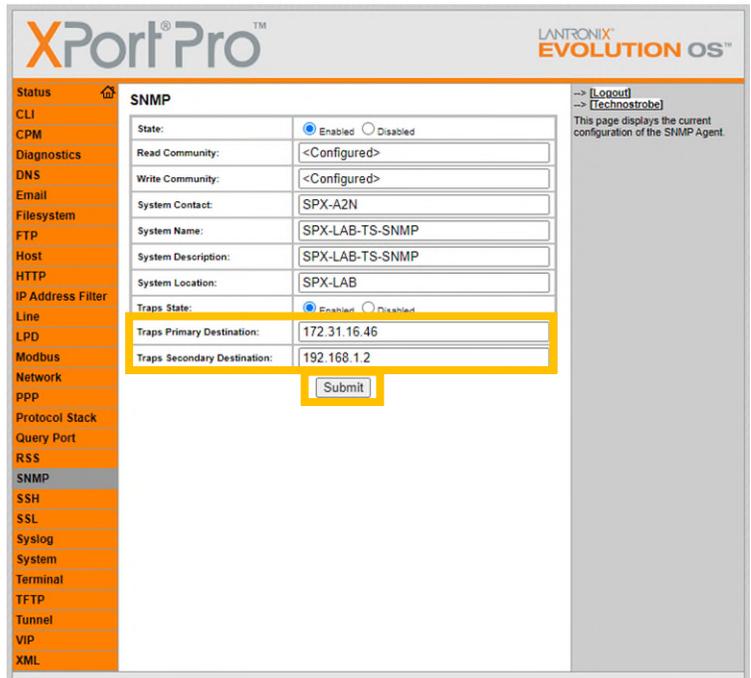
25. Navigate your web browser to the IP address 192.168.1.25
26. Login to the Drake/Technostrobe web GUI
  - a. Username => super admin
  - b. Password => superadmin0!

27. Click on the 'Configuration Page' button.

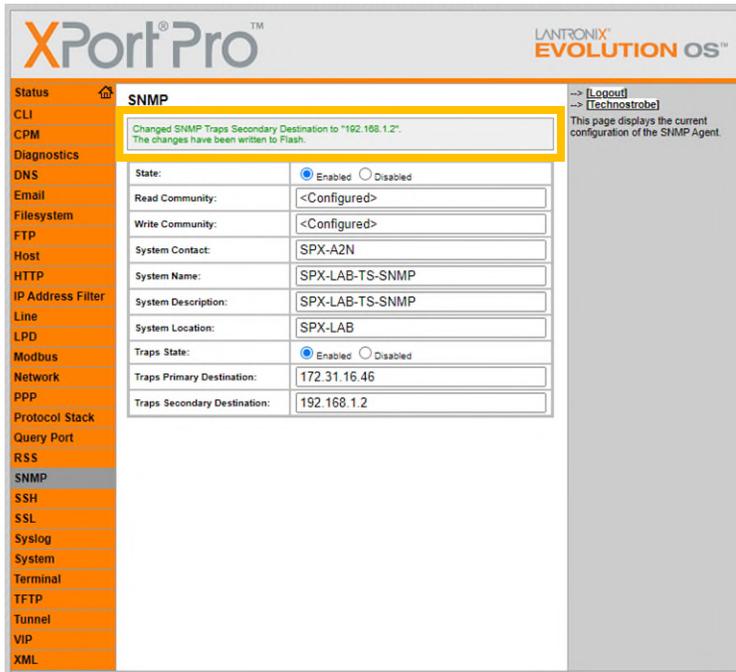


- 28. Click on the 'SNMP' menu item and change these settings to
  - c. Traps Primary Destination => 172.16.6.136
  - d. Traps Secondary Destination => 172.31.15.234

29. Click the 'Submit' button.



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

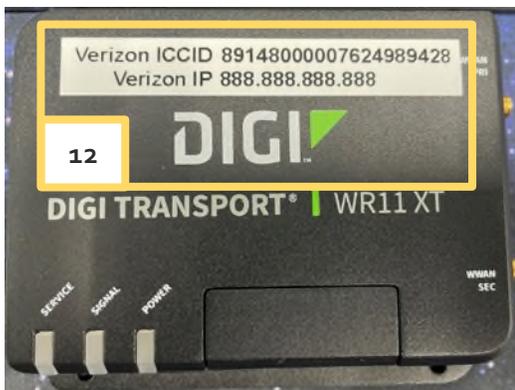


31. Connect with SPX AtoN NOC to onboard, test communication and test alarms.

32. The onboarding document can be found here:

[https://www.itl-llc.com/digi\\_wr11/config/drake/onboarding](https://www.itl-llc.com/digi_wr11/config/drake/onboarding)

33. Once onboarded put the SIM card sticker included with the SIM Card onto the WR11 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 34)
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 site signage with the site identification clearly visible.
10. Send all these pictures in their highest quality to [AtoN.NOC@spx.com](mailto: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)**