

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

- Download the WR11 configuration file to your laptop from here: <u>https://www.itl-llc.com/digi_wr11/config/drake/vzw</u>
- 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 => U9oTower\$
- 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.

DIGI WR11 (SN: 748319) CONFIGURATION AND MANAGEMENT

User : inocc	Administration - Backup/Restore	
	Backup configuration to a file on your PC or server.	
Home	Include passwords in the backup file.	
Wizards	Docude CA certificates in the backup File.	
Configuration	C Induct a contractor in the bottom file	
Network	 Include certificates and keys in the backup hie. 	
Alarms	Include routing protocol configuration files in the backup file.	
System	Include debug.txt in the backup file for technical support.	
Remote Management	Beckup	
Security	Restore configuration more any your PC or server.	
Applications	om Fill : Chosen Fill : Chosen Fill	
Basic	(Removed)	
Python		
Planagement	#6	-
Connections	#7 #0 Copyright (b Digi Streemational Stat. All rights neerved.	
Event Log		
Analyser		
Ton Talkers		
Administration		
System Information		
File Management		
Backup/Restore		

- 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 GREEN
SIGNAL	FLASHING GREEN
POWER	SOLID GREEN

- 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

12. Navigate your web browser to the 192.168.1.1

- 13. Login to the DIGI web GUI
 - a. Username => admin
 - b. Password => U9oTower\$
- 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.

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DIGI	11 (SN: 748319) CONFIGURATION AND MANAGEMENT
User : Inocc	Administration Backup/Restore
Home	Backup configuration to a file on your PC or server.
Wizards	Include passwords in the backup file. Include CA certificates in the backup file.
Configuration	Include certificates and keys in the backup file.
Alarms	Include routing protocol configuration files in the backup file.
System	Include debug.txt in the backup file for technical support.
Remote Management Security	Bestore configuration of a vour PC or server
Applications Basic	om Fi : Chose fiel field been

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- 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

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- 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

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.

		EN V
TECHNO STROBE	General Monitoring	Lighting system date & time : 11/27/2023 3:50:59 PM
	Customer's Name	SPX_AlsN
	Site Name	5P(_LA3_05
	Site Number	Th(20082
	Equipment Count	1
	MAC Address	00:80:a3:ec:a3:0d
	Architecture Revision	11.00
	SNMP Revision	03.28
	HTML Revision [03.19
	Date & Time	11/27/2023 3:50:59 PM
	ermanent	
		Sustan Dahaat
	Day Willight Night Auto	System Reboot
	emporany	Set Time
		Set time
	Day Twilight Night	
Land Contract	Status Made Laws Dar	
Identitier	Ok Auto Night 0	cription Equipment Version
		ation Page
	Password Events Configur	auon Page

- 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.

snmp		> [Logout] > [Technostrobe]
M State:	Enabled Disabled	This page displays the current configuration of the SNMP Age
gnostics Read Community:	<configured></configured>	
S Write Community:	<configured></configured>	
ail System Contact	SPY A2N	==={
system		
System Name:	SPX-LAB-TS-SNMP	
St System Description:	SPX-LAB-TS-SNMP	
TP System Location:	SPX-LAB	
Address Filter Traps State:		
e Trans Brimary Destination:	172 31 16 46	
D Traps Finnary Destination.		
dbus Traps Secondary Destination:	192.168.1.2	
WORK .	Submit	
P ateacl Stack		
Diocol Stack		
ery Port		
MD		
4		
slog		
stem		
stem minal		
stem minat		
stog stem minal TP		

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

X rO	orrro		EVOLUTION OS
Status 🗇	SNMP		> [Logout]
CLI CPM	Changed SNMP Traps Secondary Destination to "192.168.1.2".		This page displays the current configuration of the SNMP Agent.
Diagnostics	ine oranges nare occir uniter to r	and and a	
DNS	State:	Enabled Disabled	
Email	Read Community:	<configured></configured>	
Filesystem	Write Community:	<configured></configured>	
FTP	Sustem Contract	SPX A2N	()
Host	System Contact	SFA-AZN	
нттр	System Name:	SPX-LAB-TS-SNMP	
IP Address Filter	System Description:	SPX-LAB-TS-SNMP	
Line	System Location:	SPX-LAB	
Modbus	Traps State:	Enabled Disabled	
Network	Traps Primary Destination:	172.31.16.46	
PPP	Traps Secondary Destination:	192.168.1.2	
Protocol Stack			
Query Port			
RSS			
SNMP			
SSH			
SSL			
Syslog			
System			
Terminal			
Trip			
Tunnel			
VIP			

- 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

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

- 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.
- Send all these pictures in their highest quality to <u>AtoN.NOC@spx.com</u> 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)