

Overview

Banner Engineering continues to add more capability to its Asset Monitoring Gateway (AMG) with SNAP ID solution as more compatible products are released. An update may be required for your device if it was obtained before the release of new sensor models.

The Asset Monitoring Gateway with SNAP ID uses a .DAT file to automatically recognize the sensor models connected to the solution. Follow these instructions to connect to the device and load the latest .DAT file onto the controller.

This guide applies to updating the following AMG models, using the Ethernet and power cable as defined below.

- 1. Go to the Resources section of the Asset Monitoring Gateway with SNAP ID series webpage on www.bannerengineering.com.
- 2. Download the .dat file from the Resources section to your computer.
- 3. Download the .hex file from the DXM700 Processor Firmware (V4.7 or or newer) ZIP folder in the Resources section to your computer.
- 4. Download the DXM Configuration Software v4 (p/n b_4496867) to your computer and install.
- Update the firmware for the DXM located within your AMG solution using the downloaded .hex file. Instructions for updating firmware can be found in the **Reprogram** section of the DXM Configuration Software Manual (p/n 209933).

Required components/files:

Asset Monitoring Gateway Kit

- AMG-SNAP-ID
- AMG-SNAP-ID-C
- AMG-SNAP-ID-V
- AMG-SNAP-ID-A
- AMG-SNAP-ID-W

M12 D-Code to RJ45 Ethernet Cable

- STP-M12D-403
- STP-M12D-406
- STP-M12D-415
- STP-M12D-430

24 Volt 1 Amp Power Supply

• PSW-24-1

Configuration Files and Software

- SbFile1.dat file (p/n b_51942917)
- DXM Configuration Software (p/n b_4496867)

Update the AMG DAT File

Follow these instructions to update your DAT file to recognize newer sensor models.

- 1. Connect the AMG to the DXM Configuration Software.
 - a. Connect the M12 D-code Ethernet cable to the bottom left port of the AMG and to the RJ45 connection to a PC.
 - b. Apply power to the AMG using the bottom right M12 A-code port and the power supply.
 - c. On the computer, launch the DXM Configuration Software.
 - d. In the Connect to DXM window, select the Connect to DXM using TCP/IP button.
 - e. In the Select DXM Model drop-down list, select DXM700.



Connect to DXM	Connect to DXN	l using: 🔘 Serial	• ТСРЛР			Document was last saved: Just now
Local Registers	Subnet to Scan: 15	92.168.0."	Scan	Network for DXMs		(Internet
Register Mapping	IP 192.168.0.1	MAC 00:23:d9:0f:f2:25	Model DXM700	Serial Number 4027537	FW Version 4.6.12	
Settings						
Tools	1	P Address 192.168.	0.1 VPN	Connect		
		Connected	DXM700 at 192.168.0	0.1:8844		
	or		/			
	Select DXM Mod	del: DXM700				

- f. From the HMI display on the AMG, go to Utilities > Network Configuration.
- g. Toggle the Ethernet mode to XML Config.
- h. Select Save, then confirm with Yes.

Network Configuration					
Ethernet Mode:	XML Config				
Current IP Address:	192.168.0.1				
Current Net Mask:	0.0.0				
Current Gateway:	0.0.0				
Back					

This sets the AMG IP address to the default **192.168.0.1** and reboots the internal DXM Controller. Wait for the device to completely boot/initialize before continuing (signaled by the K30 indicator turning off and ultimately turning back to a green run state).

- i. In the DXM Configuration Software, enter the default IP address (192.168.0.1) or Scan Network for DXMs within the subnet 192.168.0.*.
- j. Highlight the found device and click Connect.

After the devices connect, the status message in the lower left-hand corner reads Connected DXM700 at 192.168.0.1:xxxx.

2. Navigate to the Settings menu on the left and select the Logging tab.

- 3. Click Refresh List in the Log File Management window.
- 4. If previously loaded .dat files exist in the file system table, select them and click Delete Selected File.

	Log Fie Management					
Local Registers	total total					
Settings	Delete selected file Delete all files					
Tools	Data Log Configuration Selected Log File Event Log					
	Enable Event Log					
	Fermit and Sign Signer E-mail and Sign settings INT mestering area https://minimum.setting.settings Log file options Save when max file size reached >> Record times in					

- 5. After the old files are deleted, go to the **Scripting** screen.
- 6. In the Script File Management window, select Upload File.

7. Choose SbFile1.dat from your computer (you may have to enable All (*.*) in the file system search to view .dat type files).

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Dogenie: New Folder Tools This PC Date modified Type Displace: Date modified Type The PC Date modified Type Displace: Displace: Date modified Type The PC Date modified Type Displace: Displace: Displace: Displace: Displace: The PC	Search RELEASED_AMG_FILES P		
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File name: SbFile1.dat	-		

- 8. Select **Open**, then select **No** when prompted to reboot DXM.
- 9. Go to Tools.
- 10. In the Write Registers section, enter 7001 into the Starting Register field. Enter a 0 into the Value field.

DXM Configuration So File Traffic DXM Held	ftware v4					
Connect to DXM	Register View DXM Dis	play Protocol Conversio	Scheduler Repro	ygram		
Local Registers	Read/Write Source and Format Data Format Decimal	Register source Local reg	isters • Addre	ss 199 🔿 Timeout	5 🗢 sec	
Register Mapping	Read Registers Starting Register	Snow local register na ID / Name	Value	Write Registers	ID / Name	Value
Settings	1 1 Number of registers		0	7001 Transformed Parallel 7001	7001	0
Tools	Read registers			Write registers		
	Enable Polling					

11. Click Write registers.

- 12. Go to the DXM menu and select Reboot DXM.
- 13. Allow the AMG solution to completely boot/initialize before continuing (signaled by the K30 indicator turning off and turning back to the green run state).

Your AMG solution has been successfully updated to automatically detect new compatible sensor models from Banner Engineering Corp.