Update the Asset Monitoring Gateway with SNAP ID for New Sensors

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 .DAT files 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.
    a. Download the .dat files to your computer.
    b. Download the .hex file from the DXM700 Processor Firmware (V4.7 or or newer) ZIP folder to your computer.
    c. Download the DXM Configuration Software v4 (p/n b_4496867) to your computer and install.
2. 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
- SbFile#.dat file (p/n b_51942917)
- DXM Configuration Software (p/n b_4496867)

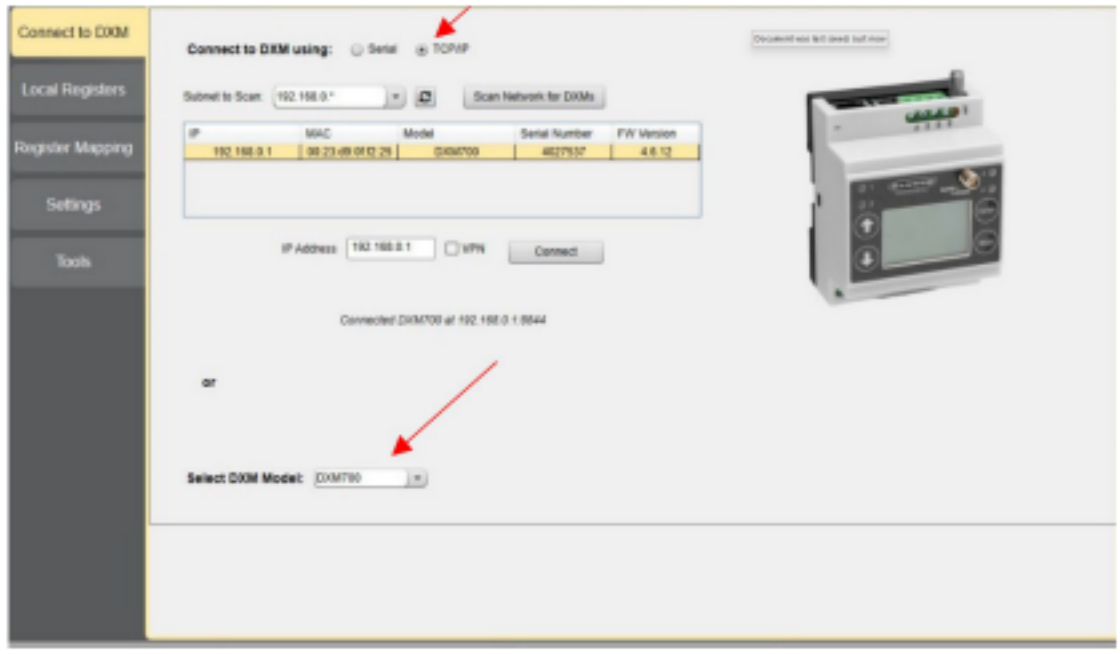
Update the AMG DAT File

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

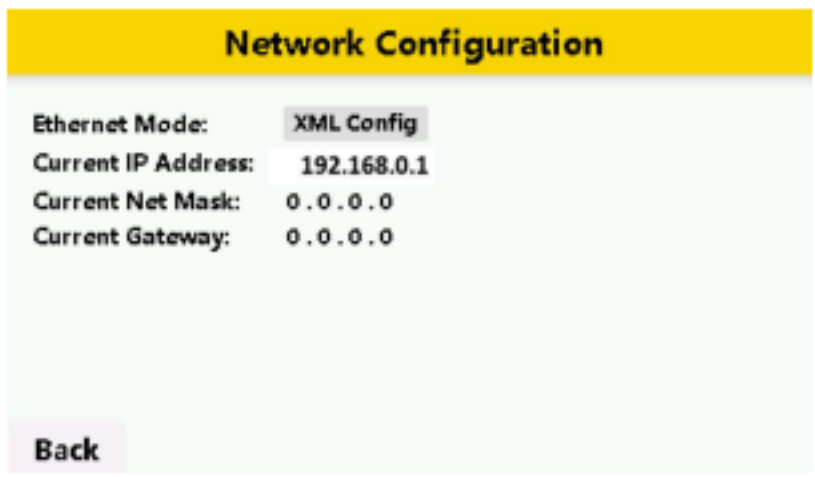
1. Connect the AMG to the DXM Configuration Software.
    a. Connect the M12 D-code Ethernet cable to the bottom left port of the AMG and to the RJ45 connection to a PC.
    b. Apply power to the AMG using the bottom right M12 A-code port and the power supply.
    c. On the computer, launch the DXM Configuration 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.

Original Instructions
02-Jul-25

b_51942149
p/n: b_51942149 Rev. B



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.

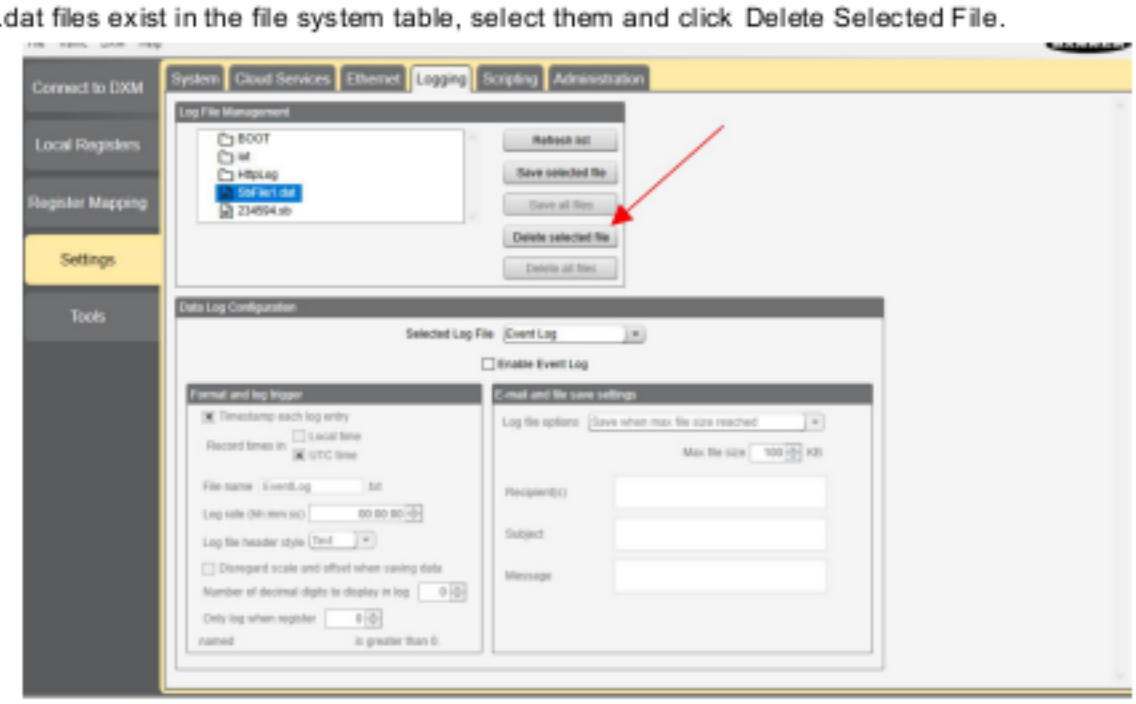


This sets the AMG IP address to the default 192.168.0.1 and reboots the internal DXM Controller. Wait for the device to completely boot/initialize before continuing (signaled by the K30 indicator turning off and ultimately turning back to a green run state).

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.

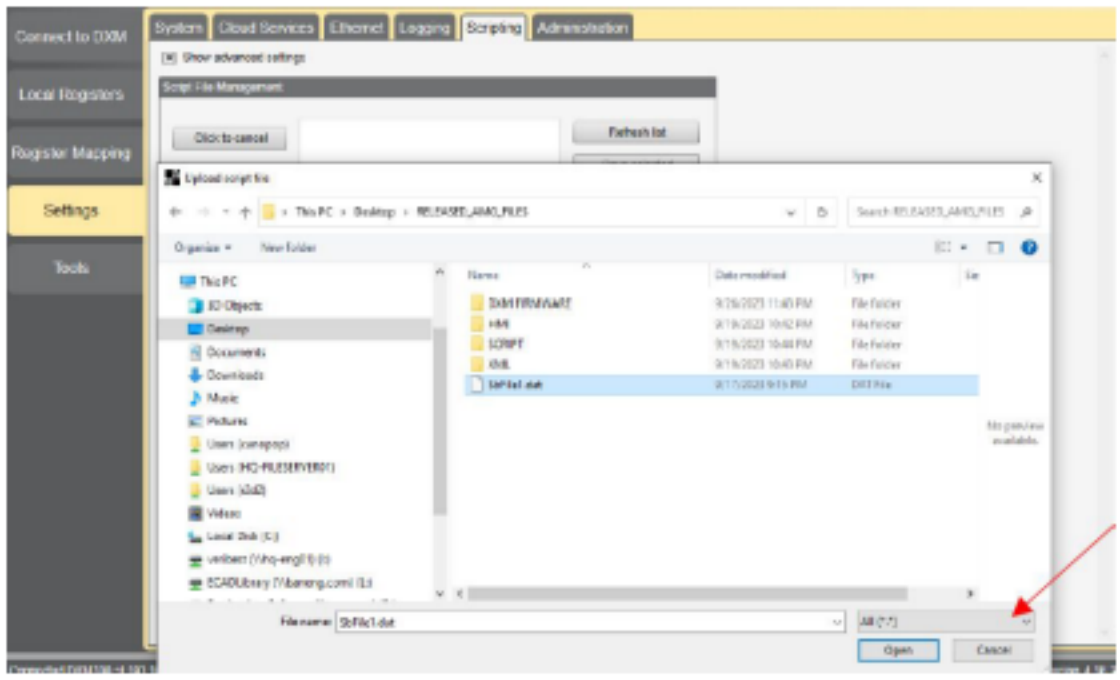
After the devices connect, the status message in the lower left-hand corner reads Connected DXM700 at 192.168.0.1:xxxx.

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.

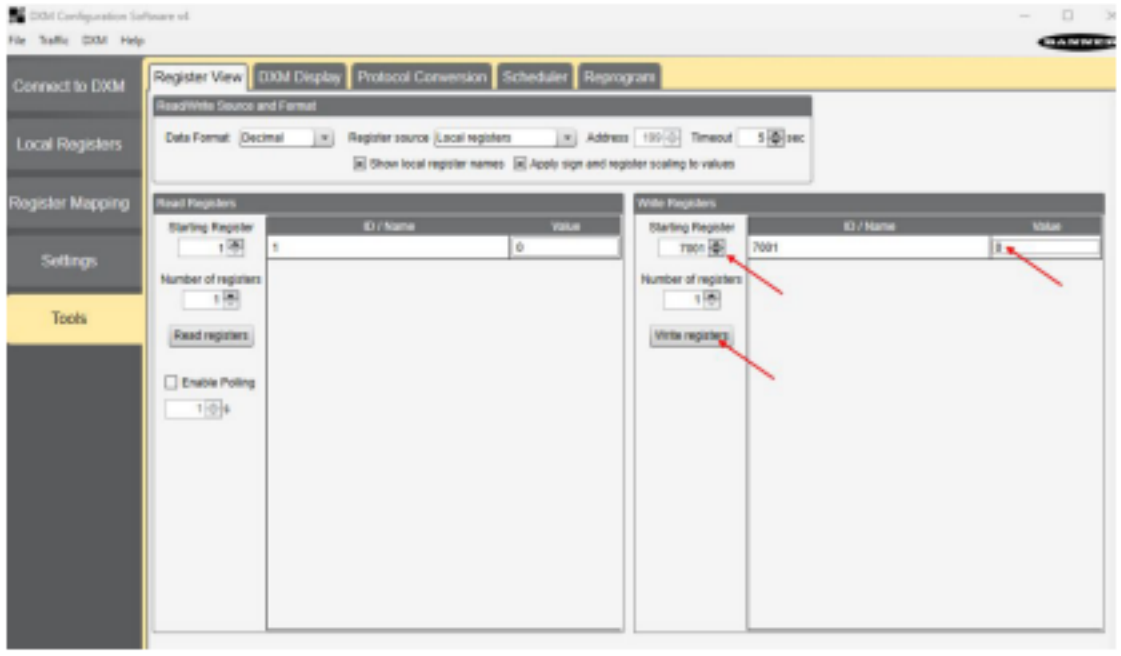


5. After the old files are deleted, go to the Scripting screen.
6. In the Script File Management window, select Upload File.

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



8. Select Open, then select No when prompted to reboot DXM.
9. Repeat steps 7 and 8 for the additional .DAT files (ex: SbFile2.dat).
10. Go to Tools.
11. In the Write Registers section, enter 7001 into the Starting Register field. Enter a 0 into the Value field.



12. Click Write registers.
13. Go to theDXM menu and select Reboot DXM.
14. 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.