

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.
5. 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

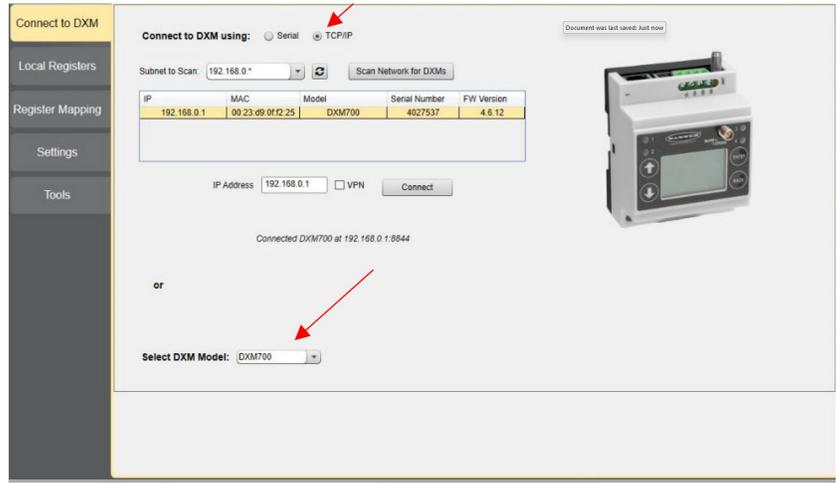
- SbFile1.dat file (p/n [b_51942917](#))
- DXM Configuration Software (p/n [b_4496867](#))

Update the AMG DAT File

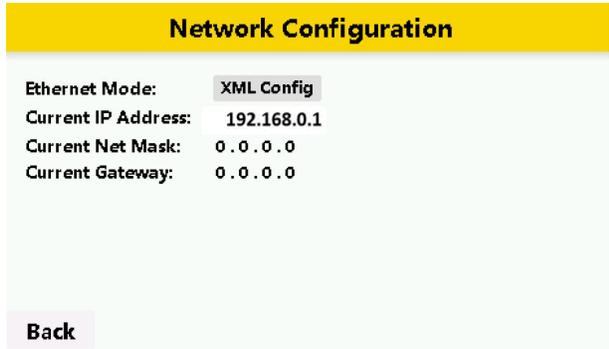
Follow these instructions to update your DAT file to recognize newer sensor models.

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**.





- 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**.

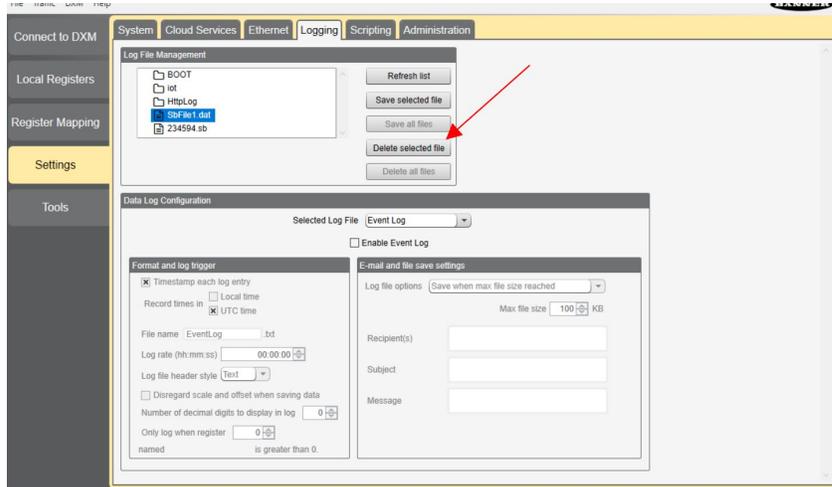


This sets the AMG IP address to the default **192.168.0.1** and reboots the internal DXM Controller. Wait for the device to completely boot/initialize before continuing (signaled by the K30 indicator turning off and ultimately turning back to a green run state).

- 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**.

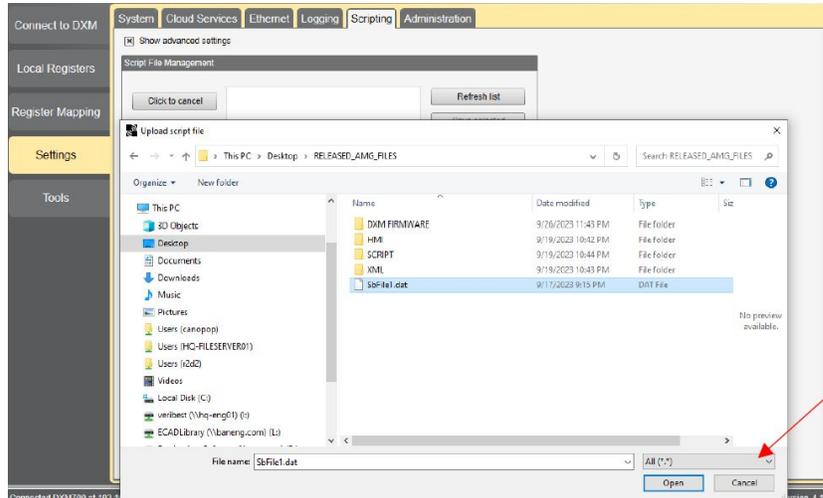
After the devices connect, the status message in the lower left-hand corner reads **Connected DXM700 at 192.168.0.1:xxxx**.

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**.

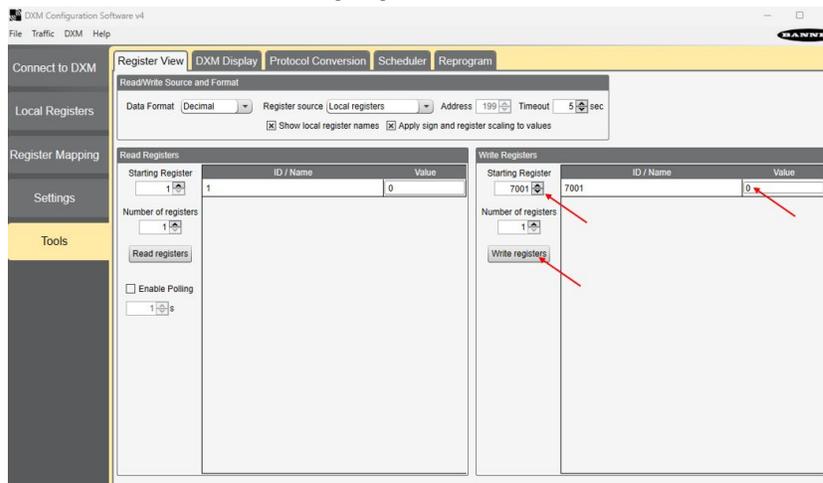


5. After the old files are deleted, go to the **Scripting** screen.
6. In the **Script File Management** window, select **Upload File**.

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



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



- Click **Write registers**.
- Go to the **DXM** menu and select **Reboot DXM**.
- 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.