BANNER ®

DXM Configuration Software v4 Release Notes

The following updates are included in the DXM Configuration Software v4 (content ID b_4496867). These release notes are content ID b_4498817.

Date	Version	Release Notes
16 Jan 2019	4.0.3	Initial release of the version 4 software. Note that the official name of all configuration tools changed to "configuration software". Reserve "tools" to represent hardware.
18 Feb 2019	4.0.11	Changed application name from "DXM Configuration Tool" to "DXM Configuration Software". If you are upgrading from v4.0.3 to v4.0.11, you may need to manually delete the "DXM Configuration Tool v4" shortcut from your desktop. A new shortcut named "DXM Configuration Software v4" will be created when you update. Added "Clone" and "Delete" functionality to Action Rules, Register Mapping, and Scheduler screens. Click any table row on one of these screens, then click the appropriate button to either duplicate or remove that row. Register View improvements: Bug fixes for register names and read/write operations; "Register source" options are now updated based on the selected Device Model. Updated labels throughout application for consistency and clarity.
1 Mar 2019	4.0.14	Users can now convert DXM700 configurations to DXM100/DXM150 configurations via the Model Select screen Cloud permissions and Cyclic push local register parameters have been combined into a single parameter called Cloud settings Various UI improvements and bugfixes
22 Mar 2019	4.0.18	Action rules and Register Mapping rules can now be reordered within their respective tables using the arrow buttons on the table headers. Updated validation for configuration file load. Any configuration file can now be loaded (regardless of which DXM device model it targets) if its Register IDs are valid for the currently-selected device model in the software.
10 Apr 2019	4.0.21	The Edit Register panel now includes a "Clear Register" button, which resets the selected register to its default parameters. Added warnings when configuring unusually fast Modbus RTU messaging rates. Assorted bug fixes for read/write rules, display registers, and I/O Board settings.
15 May 2019	4.1.7	Added support for DXM100-A1 devices; UI improvements for various controls
22 Jul 2019	4.2.5	Fixed localization issue on Modbus Timeout setting. Bugfixes and improvements for I/O Board settings. Fixes for Register Viewer handling of virtual registers
15 Apr 2020	4.8.4	Added Simple Setup Mode to perform automatic network discovery and start pushing data to the cloud Added support for DXM1000 and DXM1200 devices Added support for AWS IoT cloud platform
1 Dec 2020	4.10.9	Added new **Solutions Guide mode**, which allows for easy configuration of Solutions Guide sensors to push to the cloud Added support for PROFINET Software is now able to load and update outdated configuration files to the latest format Added **Signed 16-bit Integer** register type Added support for additional sensor models in **Simple Setup mode** Improved in-application status notifications and error messages Renamed **DXM-AG1** device model to **DXM-A1**
7 Jun 2021	4.10.28	Converted the MQTT to AWS IoT Core; Improved AWS IoT Core interface Added DXM1500 and DXM-R90x support Device comms and configuration file bug fixes The Push method drop-down was replaced by a pair of radio buttons (denoting HTTP Cloud Push and AWS IoT Core)
15 Jun 2021	4.10.31	**General** • Set RTU read/write rule frequency min value to 10ms • Removed lower-bound timer restrictions on MQTT publish rules **DXM-R90x** • Increased DXM discovery ping timeout • Fixed issue in which incorrect UART bus was being considered for establishing port-wise minimum frequency for RTU rules
21 Jun 2021	4.10.33	**DXM-R90x** • Set default RTU time between messages and read/write rule frequencies to 50ms • Updated XML element format for RTU Device settings in configuration files

b_4498817
p/n: b_4498817

Date	Version	Release Notes
3 Dec 2021	4.10.46	**General** • Increased default RTU Read and Write rule frequencies from 50ms to 1s (see DXMXML v1.2.52) • When Advanced Settings checkbox is unselected, hidden parameters are now reverted to values needed for Banner CDS HTTP push • Added MQTT Publisher QoS parameter **DXM-R90x** • Improved DXM autodetect process with nonstandard subnet mask handling and associated logging • Ports [0, 4] are now available for RTU Read/Write rules • Updated RTU read/write interface layouts • Added Server Port 0 parameters to Settings tab • Added bootloading and Reboot With Configuration Bypass behavior
4 Apr 2022	4.12.0	**General** • Increased default RTU Read and Write rule frequencies from 50ms to 1s (see DXMXML v1.2.52) • When the Advanced Settings checkbox is unselected, hidden parameters are now reverted to values needed for Banner CDS HTTP push • Added MQTT Publisher QoS parameter **DXM-R90x** • Improved DXM autodetect process with nonstandard subnet mask handling and associated logging • Ports [0, 4] are now available for RTU Read/Write rules • Updated RTU read/write interface layouts • Added Server Port 0 parameters to the Settings tab • Added bootloading and Reboot With Configuration Bypass behavior
25 Jul 2022	4.13.5	Added support for DXM-R904K device model Config file is now automatically loaded into the configuration software Additional error checking on script upload behavior UDP Listener now accepts a port number, mirroring TCP/IP device connection behavior Added MultiHop device addressing option to ISM Register View operations Improved RS-485 comms behavior on DXM-R90x
13 Sep 2022	4.13.8	Added support for EIP Endianness Swap setting
2 Nov 2022	4.13.10	Added PROFINET control for DXMR90-4K; improved error checking on DXMR90 hexfile uploads
Feb 2023	4.15.0	Added support for DXMR110-8K device model Added Decoder action rules for copying partial contents of registers Modbus TCP read/write rules can now specify between Remote and Input register types Fixed Register View LED register mappings for DXMR90x
11 May 2023	4.16.2	Fixed backward compatibility issue with XML file generation Corrected device model auto-detect behavior for certain DXM models Removed Simple Setup and Solutions Guide configuration modes Removed deprecated Email Notification settings SMS Notification settings are now supported only on DXM100, DXM100-A1, and DXM150 models using the SXI-LTE-001 cellular module
12 Dec 2023	4.16.4	Added support for DXMR90-4M device model
31 Jan 2024	4.17.7	Added support for the DXM1200-B2 and DXM1200-X2 device models
7 Feb 2024	4.18.0	UI improvements for DXM1200B2 and DXM1200X2-specific parameters Added reference images to Register View for LCD board behaviors on DXM1200 devices Fixed bug that incorrectly hid device connection controls when switching the selected DXM model
13 Feb 2024	4.18.1	Bug fixes for device settings on DXM100, DXM100A1, DXM150, DXMR904K, and DXMR90x models
21 Mar 2024	4.18.8	Updated device detection behavior and default UART Bus configuration for DXM1200B2 and DXM1200X2 device models Bug fixes for both AWS IoT Core and Sparkplug B MQTT configuration behavior MQTT encryption and certificate use can now be enabled individually Improved in-application messaging regarding certificate files and authentication credentials, which are configured separately from the main device configuration when a DXM is connected
2 Jan 2025	4.19.3	Added support for DXMR90-X1E device model Modbus RTU rule limits are now enforced on a per-port basis for DXM models with multiple ports Clarified MQTT nomenclature throughout application

22-Apr-25

Date	Version	Release Notes
22 Apr 2025	4.19.8	All DXM models now display Modbus TCP Server settings on the Settings > System screen Added Modbus TCP Server timeout options; default timeout is now 10 minutes Added option to delete device certificates on the Settings > Cloud Services screen Increased maximum length of MQTT Authentication fields to 255 characters