Schneider Electric Altivar HVAC ATH600 DTM Library V1.2.2

- Release Notes -

This document contains important information about the Altivar HVAC ATH600 DTM Library software component and Release Content.

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1. Package Content

Software Component Name	Version
Altivar HVAC ATH600 DTM Library	V1.2.2
Altivar HVAC ATH600	V1.2.2.0

2. Features

2.0 What's New in V1.2.2

2.0.1 Evolutions

> Firmware Compatibility: Supports ATH600 firmware version **V1.2IE04**.

> Scheduler Functionality: Scheduler with real time clock (RTC) enables automatic, time based control of device operations using configurable slots, seasons and exceptions.

> Modbus TCP-Ethernet IP Support: Compatible with the MBTCP/IP option card (VW3A3720) for ATH600 firmware version V1.2 onwards.

> Profinet Support: Compatible with the Profinet option card (VW3A3647) for ATH600 firmware version V1.2 onwards.

> Parameter List Tab Enhancements: Synchronous Reluctance Motors (SynRM), Dynamic braking (BRA = DYNA), Macro Configuration (CFG), Friction loss on ATH600 application setup.

> Firmware Update: Support firmware update of Altivar HVAC ATH600 product from SoMove Homepage.

> Programming Manual (JPS89296.01) Integration.

> Cybersecurity improvements.

2.0.2 Bug Fixes

> 405435: ATH600 - Unable to create an offline configuration when the SoMove language is set to French.

2.1 Features V1.1.3

> Firmware Compatibility: Supports ATH600 firmware versions **V1.1IE02** and **V1.1IE03.**

> Device Reference Topology: Altivar HVAC ATH600 supports device references ranging from **0.75kW to 250kW.**

> HVAC Functionality: HVAC features are now available for broader application support.

> BACnet/IP Support: Compatible with the BACnet/IP option card (VW3A3726).

> BACnet MSTP Support: Enables communication via the BACnet MSTP protocol. Note: BACnet MSTP parameters can be configured through the DTM, when connected via supported communication protocols; however, the DTM does not support communication via BACnet MSTP.

> My Device Tab: Displays detailed device characteristics.

> My Dashboard Tab: Provides a consolidated view of device parameters on a single screen, allowing users to select additional parameters based on application requirements.

> Parameter List Tab: Offers all configuration parameters necessary for ATH600 application setup.

> Parameter Layout Tab: Displays the sketch view of the device parameters and also allows you to define the parameter settings of the device.

> Diagnostics Tab: Provides detailed error and warning information along with troubleshooting configuration settings.

> Display Tab: Enables monitoring of various parameter groups from ATH600.

> Scope Tab: Allows you to Record, Visualize, Analyze, and Save the trace of the parameters of the connected drive. Includes all parameters, including internal parameters, as part of channel parameters.

> Device Functions: Offers features such as Modify Topology, Control Panel, Factory Settings, Backup/Restore Device, HMI Personalization, Device Restart, and more for ATH600 configuration.

> Import/Export Feature: Allows saving ATH600 configuration files in **.cfg** format.

> DTM Online Help: Provides reference for ATH600 configuration settings.

> Backup Image Support: Import and export of backup image files **(.bki)** containing device parameter and security configurations.

> Security Profile Setup: Enables users to set security profiles when the device is in root (factory) state.

> Admin Options Tab: Facilitates configuration of cybersecurity settings.

>> Secure connection: new set of features to provide more secured connection to the device over Modbus Serial Fieldbus and BACnet/IP. DTM can monitor, control and configure the device which is certified with IEC62443-4-2 compliance.

>> User Authentication: Mandatory user authentication for every device connection attempt (enabled by default, can be disabled if required).

>> Password Management: Default password provided with each product; users are prompted to set a secure password based on customizable policy.

>> Password and PIN policies: can be modified via Admin Options.

>> User Management: Create and manage multiple users with roles and permissions.

>> Import/Export of Security Files: Import/Export of SECP files (*.secp) for security configurations.

>> Ports and Services Management: Control access to device ports and services.

>> Brute Force Mitigation: Restricts multiple invalid login attempts; session timeout and re-authentication supported.

>> Device Topology: Lock/unlock device topology.

>> System Use Notification: Customize system use notification text displayed at first connection.

>> Logs: Download system, application, error, and warning logs.

>> Date/Time Synchronization: Sync device date/time with PC.

>> After Sales Feature: Grants access to Service Tab for troubleshooting by authorized personnel.

3. Some restrictions which we are working on

> Currently, DTM supports the English language, and support for other languages will be provided through dedicated language packs in upcoming releases.

4. Altivar HVAC ATH600 DTM

4.1 Versions Provided & Compatibility

Activity	Version
Altivar HVAC ATH600 DTM	V1.2.2.0
Altivar HVAC ATH600 Firmware	V1.1IE02, V1.1IE03, V1.2IE04

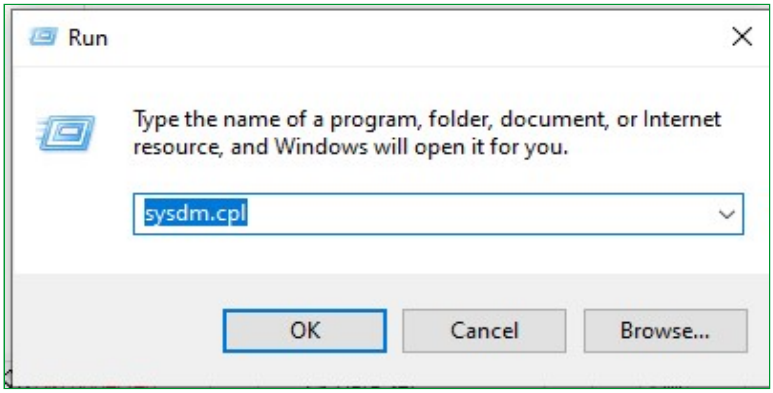
5. Troubleshooting

> Please ensure below troubleshooting steps, failing to comply with these might results in crashes, hangs or other possible commissioning-blocking issues.

5.1 Modify Temp location:

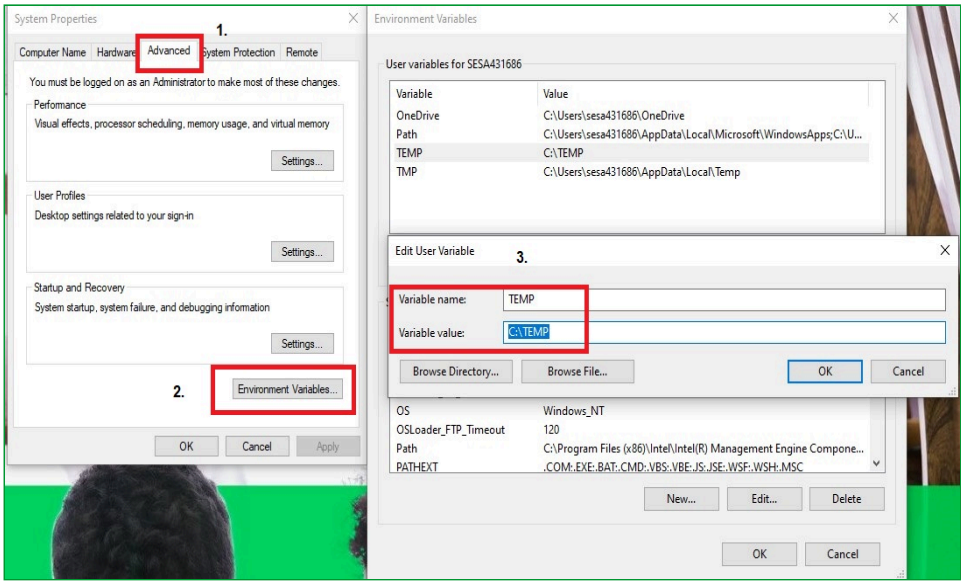
> Press 'Windows Key' and 'R Key' together, It will open "Run Window".

> Type "sysdm.cpl" in "Run Window", Click on "OK"



> Navigate to Advanced tab, Click on environment variables button.

> Edit the temp variable entry from "%USERPROFILE%\AppData\Local\Temp" to "C:\Temp".



If the issue still persists, please contact the support team.

5.2 If controls appear cropped on Low-Resolution Screens:

> Hide or auto-hide the taskbar panel to free up screen space.

> Optionally, increase resolution or adjust display scaling.