

Schneider Electric Altivar Process ATV9xx DTM Library V2.2.1

- Release Notes -

This document contains important information about the Altivar Process ATV9xx DTM Library software component and Release Content.

1. Package Content

Software Component Name	Version
Altivar Process ATV9xx DTM Library	V2.2.1
Altivar Process ATV9xx	V2.2.1.0

2. Features

2.0 What's New in V2.2.1

- > Support for New FW V2.2IExxx
- > Support for FW compatibility
- > Multi Configuration/ Multi Motor support
- > Bug Fixes

2.1 What's New in V2.1.3

- > Fix for FMK Version incompatibility
- > Bug Fixes

2.2 What's New in V2.1.2

- > Support for ATV9xx firmware version V2.1IE17_B11
- > CR Fixes

2.3 Features of V1.9.1

- > Support for ATV9xx firmware version V1.9IE15_B07
- > Safety message updates (TUN, AUT, APPT, SLPM, PST)
- > CR Fixes

2.4 Features of V1.8.0

- > Support for ATV9xx firmware version V1.8IE14_B07
- > Improved SNTP section with Support for Daylight saving time
- >Support for Powerlink option board
- > CR Fixes

2.5 Features of V1.7.2

- > Introducing APM Partner Tab
- > CR Fixes.

2.6 Features of V1.7.1

- > Support for FW V1.7IE12 B05

2.7 Features of V1.6.1

- > Support for 600/690 voltage references
- > Support for FW V1.4 & V1.6
- > Standard Startup Report
- > Bugfixes

2.8 Features of V1.3.5

- > Cybersecurity Fixes.

2.9 Features of V1.3.4

- > Bug Fixes.
- > Improved modify topology feature
- > User can change the firmware version as part of Modify topology functionality.
- > User can connect to any device topology with project topology.
- > In case of mismatch between the device and the project topology, the project topology will be dynamically changed to match the physical device topology.
- > Support of firmware V1.3IE04B04.
- > Support of HTL encoder module.
- > Cybersecurity Fixes.

2.10 Features of V1.2.2

- > Support of S7 references
- > Firmware update feature
- > Device type recovery feature

2.11 Features of V1.2.1

- > Support Connection for references ending with X1, X2 and X3
- > Support Connection for references ending with C and E
- > Support of ATV993(MultiDrive) references

2.12 Features of V1.2

- > Support of ATV9xx Firmware V1.2IE02B20 and Ethernet Firmware A1.7IE11B12.
- > Improved parameter graphical sketch views for Analog Encoder, Resolver and Digital Encoder (SSI configuration)
- > Support for EtherCAT option card Support of PROFINET option card.
- > Improved FDR screen & action status.
- > Offline FDR transfer in Schneider Electric's Unity FDT container.
- > Modified parameters indication by a new meaningful 'spanner' icon.
- > Parameters can now be added into the IO scanner list via entering the logical address.
- > Compatibility between firmwares V1.1 vs V1.2.
- > Support of ATV9xx Floor Standing Products and Drive Systems (High Performance and Regenerative).
- > Improved the Error Diagnostics by including error sub-codes.
- > Updates in the ATV9xx help file.
- > Up-to-date ATV9xx Programming manual.

2.13 Features of V1.1

- > Light weight DTM with reduced size before and after Installation.
- > Improved User DTM Interface and Look & Feel.
- > A new Simple Altivar Process ATV9xx drive reference selection
- > More Informative My device tab
- > My Dashboard section to configure and monitor drive parameters in a single screen.
- > New Parameter graphical layout .
- > New function tab to configure drive parameters in a graphical and user guided interface.
- > New Diagnostic tab for error and warning monitoring
- > Diagnostic Tab - Improved layout of error data with historic errors
- > Diagnostic Tab - Warnings can be assigned to 5 groups
- > Diagnostic Tab - A summary screen for better drive health statistics.
- > Diagnostic Tab - Improvements in Generic Settings, Protocols & Drive Profiles, FDR.
- > Display tab to show energy consumed by the drive in hourly, daily, monthly and yearly basis.
- > Display tab - drive & motor parameters monitoring in graphical widgets
- > Display tab - Torque/Speed Curve.
- > Display tab - Data logging for loading logged data from device.
- > Unit Customization Feature to personalize parameter Units.
- > Warning and Error status Information section in tool bar.
- > New and Improved Control Panel .
- > Device configuration Import/Export functionality.
- > Standard Protection, Factory Setting, HMI Personalization Feature.
- > Programming manual in CHM format.
- > Field bus manuals for option boards can be opened from My Device tab.
- > Creation and modification of QR-code through HMI Personalization screen.
- > Device Configuration can be restored completely or partial.
- > New Print feature to select printable data like Option board parameters etc.
- > Additional parameters are displayed in the Display tab.
- > Hoisting settings made easy with wizard mode .
- > New Sketch views for Encoder configuration, catch on fly , breaking sequence.
- > Reboot drive command in the Device menu.
- > Save/Restore configuration from the drive through the device menu.
- > Parameter visibility settings in the HMI Personalization.
- > Support of Advanced Ethernet DID in DIO ring.
- > Autotune improved with Apply and Erase options.
- > Support of only English is available in the first version of this software .

3. System Requirement

3.1 Supported operating systems

This software can be installed on the following operating systems:

- > Microsoft Windows 7 32/64-bit .
- > Microsoft Windows 8.1 32/64-bit .
- > Microsoft Windows 10.0 32/64-bit .

3.2 Minimum PC Requirements

Equipment	Minimum
Processor	Pentium 4 / Core 2 Duo, 2 GHz
RAM	2 GB
Free Hard Disk Space	1 GB of free disk space Must be available
Display	Resolution: 1024 x 768 pixels with 32 bit colors DPI: 96

3.3 Recommended PC Requirements

Equipment	Recommended
Processor	Intel(R) Core(TM) i3
RAM	4 GB
Free Hard Disk Space	2 GB
Display	Resolution: 1024 x 768 pixels with 32 bit colours DPI: 96

4. IMPORTANT NOTICE

- > Before you install Altivar Process ATV9xx DTM Library:
 1. Check if Altivar Process ATV6xx DTM Library V1.1.24 is installed in your PC.
 2. If it is installed, upgrade it to the latest available Altivar Process ATV6xx DTM Library version.

5. Some restrictions which we are working on

- > DTM is not in synchronized state after doing factory reset, a "Refresh" or "Load from Device" is requested.
- > Sometimes parameter values cannot be edited in parameter grid inside parameter list tab .Use F2 key to edit parameter values.
- > Only English is available in the first version of this software.
- > Local Stop Message will not be displayed,if Local Stop button is pressed momentarily or quickly.The button has to be pressed firmly for 4-5 Sec.
- > Visibility or disabling of a parameter depending on other parameter(s) are not managed at the moment in the parameter grid.
- > We observed that for some drive references, the CLI (Current Limitation) parameter does not reset after a factory setting.
- > Software does not respond after you try to select all parameters in the parameter tab using Ctrl + A.
- > Import of configuration stored in the Keypad HMI from SoMove homepage is not yet available.
- > MultiMotor switching sketchview is not yet available.
- > Modify Topology does not update parameter value ranges (min & max) of NPR,NCR and UNS for some references.

6. Container Supported

- > SoMove V2.6.5
- > Unity V13 with Unity Pro PlantStruxure DTM Library **V3.9.3**
- > M&M FDT Container V02_04_03_00

7. Altivar Process DTM in Unity

7.1 Versions Provided & Compatibility

Activity	Version
Altivar Process 9xx DTM	V2.2.1.0
Altivar Process 9xx Firmware	V1.1IE01B10 V1.2IE02B20 V1.2IE03B02 V1.3IE04B04 V1.4IE07B05 V1.6IE09B08 V1.7IE12B05 V1.8IE14_B07 V1.9IE15_B07 V2.1IE17_B11 V2.2IE19_B03
UnityPro	Unity V13
Unity Pro PlantStruxure DTM Library	V3.9.3
M580 CPU RUN boot	V2.2
M580 BME CPU	V2.2

7.1 Featurs

> CHM for Unity online help.

7.2 Known issues or Observations:

- > Sometimes bad display of DTM inside Unity container when clicking the splitter bar.
- > Connection loss is happening for the first time after device recovery with 600V & 690V references.
- > Under service tab voltage ranges are not dependant on firmware selection.
- > Scope parameters are not selected in the parameter selection dialog when loaded from a saved configuration.