

# Schneider Electric Altivar Process ATV9xx DTM Library V2.1.3

## - 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	V2.1.3
Altivar Process ATV9xx	V2.1.3.0

### 2. Features

#### 2.0 What's New in V2.1.3

- > Fix for FMK Version incompatibility
- > Bug Fixes

#### 2.1 What's New in V2.1.2

- > Support for ATV9xx firmware version V2.1IE17\_B11
- > CR Fixes

#### 2.2 Features of V1.9.1

- > Support for ATV9xx firmware version V1.9IE15\_B07
- > Safety message updates (TUN, AUT, APPT, SLPM, PST)
- > CR Fixes

#### 2.3 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

#### 2.4 Features of V1.7.2

- > Introducing APM Partner Tab
- > CR Fixes.

#### 2.5 Features of V1.7.1

- > Support for FW V1.7IE12 B05

#### 2.6 Features of V1.6.1

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

## 2.7 Features of V1.3.5

- > Cybersecurity Fixes.

## 2.8 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.

## 2.9 Features of V1.2.2

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

## 2.10 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

## 2.11 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.

## 2.12 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	V2.1.3.0

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
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.