Schneider Electric Altivar Process ATV6xx DTM Library V1.9.1
- Release Notes -

This document contains important information about the Altivar Process ATV6xx DTM Library software component and Release Content.

1. Package Content

Software Component Name	Version
Altivar Process ATV6xx DTM Library	V 1.9.1
Altivar Process ATV6xx	V 1.9.1.0

2. Features

2.0 Features of V1.9.1

> CR Fixes.

2.1 Features of V1.9.0

> Support for ATV6xx Firmware version V1.9.

> CR Fixes.

2.2 Features of V1.8.0

> Support for ATV6xx Firmware version V1.8.

> CR Fixes.

2.3 Features of V1.7.0

> Support for ATV6xx Firmware version V1.7.

> BACnet option module support for ATV6xx.

> Improved Parameter Selection Dialog box.

> Motor run status on the toolbar.

> The Device Restart and Online compare operation can be performed from synchrobar.

> Improved Startup report for Service Engineers

> Updated ATV6xx English Programming manual support for firmware version V1.7

> Updated AT6xx DTM online help

> Improved scope tab

    - New set of cursor functions for better performance analysis.

    - UI Improvements.

> QR Code in my Device Tab

- User can view the complete product details either by double-clicking the QR code or scanning Via the mobile app.

2.4 Features of V1.6.8

> Standard Startup Report Node added in Services Tab for commissioning report.

2.5 Features of V1.6.6

> 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.

> Control Parameter exchange between ATV6xx Device DTM and M340 NOC401 Master DTMs.

> Cybersecurity Fixes.

2.6 Features of V1.6.0

> Support for ATV6xx Firmware version V1.6

> MultiDrive Architecture support for Pump Application Level Control

> MultiDrive Architecture support for Pump Application Booster Control

> Improved Display tab for Pump Application Level and Booster Control

> Import / Export of graphical keypad HMI (.cfg) files from Start Page

> Language pack for all Schneider Electric supported languages (EN, FR, DE, IT, SP,CN-ZH)

> Uptodate DTM Help Files

> Uptodate Device Programming Manuals for all Schneider Electric supported languages

> Support for EtherNet/IP - Modbus TCP+MDLink option card

2.7 Features of V1.5.503

> Support for ATV6xx Firmware version V1.5

> Support for Basic Ethernet and Advance Option Card Firmware A 1.8

> Support for Offline PRM File Transfer in Unity

> Support for ATV6xx Drive System Low Harmonic products.

> Updated the Reference filtering in device creation screen with new Low Harmonic device references and removed the reference filtering with single phase and HP for Drive Systems to be consistent with the device.

> Introduced IP based reference filtering for Drive Systems.

> Oscilloscope updated with additiontional cabinet IO parameters for Drive Systems.

> Improved the FDR user interface.

2.8 Features of V1.4.3

> New Altivar Process ATV6xx Firmware V1.2IE09 support.

> Signature Management .

2.9 Features of V1.3.2

> New Altivar Process ATV6xx Firmware V1.3 support.

> 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 parameter graphical layout for Pump Applications:

    - Level Control.

    - Booster Control.

> Level control & Booster control parameters monitoring in Display tab.

> New Print feature to select printable data like Option board parameters, Pump applications, etc.

> Language pack for all Languages

2.10 Features of V1.1.26

> Language pack for French language.

2.11 Features of V1.1.24

> Advanced ethernet board support.

> New Altivar Process ATV6xx Firmware V1.2 support.

> New parameter graphical layout for Pump Functions:

    - Jockey pump.

    - Sleep/wakeup.

    - Pipe fill.

    - Updated pump characterisicts.

> New parameter graphical layout for Pump Monitoring:

    - Outlet High/Low Pressure.

    - Dry running.

    - Low flow/No flow.

    - Anti jam

    - Thermal.

> New parameter graphical layout for Drive functions:

    - Command and Reference channel.

    - Preset Speed.

    - Parameter set switching.

    - Ramps.

    - PID.

> More parameters in the Display section.

> Reboot drive command in the Device menu.

> Save/Restore configuration from the drive through the device menu.

> Parameter visibility settings in the HMI Personalization.

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> Support of Advanced Ethernet DID in DIO ring.

> Firmware compatibility support between older/newer version of drive configuration files.

> Contextual help for parameters (F1).

> Improved factory settings.

> New meaningful labels.

> Autotune improved with Apply and Erase options.

> New preset parameters (ATV6xxDFB) for Drive I/O profiles.

2.12 Features of V1.0

> Light weight DTM with reduced size before and after Installation.

> Improved User DTM Interface and Look & Feel.

> A new Simple Altivar Process ATV6xx drive reference selection

> More Informative My device tab

> My Dashboard section to configure and monitor drive parameters in a single screen.

> New parameter organization.

> New function tab to configure drive parameters in a graphical and user guided interface.

> Function Tab - Dedicated pump setting screen for easy confguration of pump characterstics

> New Diagnostic tab for error and alarm monitoring

> Diagnostic Tab - Better visibility of error data with historic implementation

> Diagnostic Tab - 5 Alarm group

> Diagnostic Tab - A summary screen for better drive statastics.

> Diagnostic Tab - Embeded Ethernet Status

> New Display tab to monitor energy data graphically by hourly,daily ,monthy and yearly basis.

> Display Tab - Drive & Motor Parameter Monitroing Graphically

> Display Tab - Real time LED status indication.

> Alarm and Fault status infomation section in tool bar.

> Standard Oscilloscope for parameter tracing .

> Unit Customization Feature to personalize parameter Units.

> Alarm and Fault status Infomation section in tool bar.

> New Improved Command Panel with more useful feature.

> Device visual localization feature to locate the device through.

> Device configuration Import/Export functionality.

> Standard Protection,Factory Setting,HMI Personalization Feature.

> New programming manual in CHM format.

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. Some restrictions which we are working on

> Connection Interruption in Unity FDT Container if there are multiple instances of DTM

> DPI Restriction : DTM hangs in 120 DPI when you visit Protocol and Drive Profiles section in the ParametersList tab for the first time.

> You need to wait for some minutes for DTM to get back to normal state.

> 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.

> Parameter dependency is not well handled in the software. ie, visibility or disabling of parameters depending on other parameter values are not managed at the moment.

> We observed that for some drive references, the CLI (Current Limitation) parameter does not reset after a factory setting.

> Firmware compatibility - The drive is tripping to CFI2 (Invalid configuration) error if you create a new drive configuration (V1.3 or V1.2) in SoMove and download to an older drive version (V1.1).

> Parameter LCFB is not visible in parameter layout tab.This parameter can be accessed from parameter grid.

> Drive will result in CFF error if you change NSPS (Nominal synchronous motor speed) parameter and store to device.

> DI5 and DI6 Frequency Signal value is not available in My Dashboard - IO Terminal section.

> SoMove hangs after I select all parameter in parameter tab Ctrl + A.

> Only 14 errors are listed in error history instead of 15.

> Sometime when toplogy is created with option board ,automatic switching between different representation is not working properly.

> When connected through Modbus TCP channel of Profinet option board, the IO terminals section in My Dashboard will not display the input/output status

> DTM goes to connection lost while saving Unity project for the first time.

> AIV1, AIV2 & AIV3 Assignment data and Values are missing in Dashboard

> Embedded Ethernet port IP details are not correct in SoMove after inserting Advance Ethernet Option Card

> DTM File Export to PDF sometimes shows out of memory exception

> RTH Parameter Value displayed in DDT variable Animation table is not correct

> Setting IP Settings will work in DTM only when IP Mode=Fixed,It will not work in DHCP Mode

> Setting Device name not possible when device is running

> The device menu will not be accessible sometime when we open the saved SoMove project file and modifying the topology.Activate the control panel and try accessing device menu.

> Motor brand and type value from Motor Page will be filled in the standard startup report (Service Tab), Only when we first fill the text box and later select the checkbox.

> If the service password is not persisting do the following:

In the installed path: *Primary Drive\ProgramData\Schneider Electric\AltivarProcess*

1. Right click the *AltivarProcess.ser* file and then click **Properties**.

2. Clear the **Read only** checkbox and click **OK**.

5. Container Supported

> SoMove V2.6.3

> Unity V12 with Unity Pro PlantStruxure DTM Library V3.7.17

> M&M FDT Container V02_04_03_00

6. Altivar Process DTM in Unity

6.1 Versions Provided & Compatibility

Activity	Version
Altivar process DTM	V1.9.1.0
Altivar process Firmware	V1.1IE02 V1.1IE03 V1.2IE05 V1.2IE06 V1.2IE09 V1.3IE07 V1.4IE10 V1.5IE11 V1.6IE12B10 V1.7IE16B05 V1.8IE21B01 V1.9IE19B07
UnityPro	Unity V12
PSx Library DTM	V3.7.17
M580 CPU RUN boot	V2.20
M580 BME CPU	V2.20

6.2 Features

> CHM for Unity online help.

> Embedded ethernet card manual link: http://www.schneider-electric.com/ww/en/download/document/EAV64327