

Schneider Electric Altivar Machine ATV340 DTM Library V3.1.0 - Release Notes -

This document contains important information about the Altivar Machine ATV340 DTM Library software component and Release Content.

1. Package Content

Software Component Name	Version
Altivar Machine ATV340 DTM Library	V3.1.0
Altivar Machine ATV340	V3.1.0.0

2. Features

2.0 What's New in V3.1.0

>> Support for ATV340 firmware version V3.1IE24_B40

>> Bug Fixes

2.1 What's New in V2.1.2

>> Support for Functional Safety in Direct Safety Logic Mode with additional tabs in the DTM : Safety Display and Safety Conf

>> Support for Safety related ATV340 firmware version V1.6IE80_B06 and Safety module firmware version A05IE10_B14

>> Bug Fixes

2.2 What's New in V2.1.0

> Support of ATV340 Firmware V2.1IE17_B13

> Bug Fixes

2.3 What's New in V1.9.0

- > Support of ATV340 Firmwares V1.7IE15_B10 & V1.9IE16_B20
- > Bug Fixes

2.4 What's New in V1.7.0

- > Support for FW compatibility
- > Multi Configuration/ Multi Motor support
- > Bug Fixes

2.5 What's New in V1.6.3

- > Fix for FMK Version incompatibility
- > Bug Fixes

2.6 What's New in V1.6.1

- > Support of ATV340 Firmware V1.6IE11_B11
- > Bug Fixes.

2.7 What's New in V1.3.3

- > Support of ATV340 Firmware V1.5IE10_B06.
- > Bug Fixes.

2.8 What's New in V1.2.7

- > Support of ATV340 Firmware V1.4IE09_B04.
- > Bug Fixes.

2.9 What's New in V1.2.4

- > Support for Sercos references.

2.10 What's New in V1.2.3

- > Cyber Security Fixes

2.11 Features V1.2.2

- > Create/Modify Topology bug fixes .

> DPI issue fixes.

2.12 What's New in V1.2.1

> Bug Fixes

2.13 What's New in V1.2.0

> Bug Fixes.

2.14 Features V1.1

- > A new Simple Altivar Machine ATV340 drive reference selection .
- > Support of ATV340 Firmware V1.1IE01B06 and Ethernet Firmware A1.8IE12B25.
- > Parameter graphical sketch views for Analog Encoder, Resolver and Digital Encoder (SSI configuration)
- > Support for EtherCAT option card Support of PROFINET option card.
- > FDR screen & action status.
- > Offline FDR transfer in Schneider Electric's Unity FDT container.
- > Parameters can now be added into the IO scanner list via entering the logical address.
- > Detailed Error Diagnostics by including error sub-codes.
- > Updates in the ATV340 help file.
- > Light weight DTM with reduced size before and after Installation.
- > More informative My device tab.
- > My Dashboard section to configure and monitor drive parameters in a single screen.
- > parameter layout tab to configure drive parameters in a graphical and user guided interface. .
- > 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.
- > The Display tab to show energy consumed by the drive in hourly, daily, monthly and yearly basis.
- > The Display tab - Display drive & motor parameters monitoring in graphical widgets

- > Display tab - Torque/Speed Curve.
- > Display tab - Data logging for loading logged in the device.
- > Unit Customization Feature to personalize parameter Units.
- > Warning and Error status information section in tool bar.
- > New motor control Panel to test the motor running conditions. .
- > Import/Export of device configuration from device to pc and vice versa.
- > Standard Protection,Factory Setting,HMI Personalization Feature.
- > 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.
- > Reboot drive command in the Device menu.
- > Save/Restore configuration from the drive through the device menu.
- > Support of Advanced Ethernet DID in DIO ring.
- > Autotune the device for the motor with 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 10 32/64-bit .
- > Microsoft Windows 7 32/64-bit .
- > Microsoft Windows 8.1 32/64-bit .

3.2 Minimum PC Requirements

Equipment	Minimum
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Processor	Pentium 4 or equivalent (Core 2 Duo recommended)
RAM	1 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	Pentium 4 or equivalent (Core 2 Duo recommended)
RAM	2 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

- > 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.

5. Container Supported

- > SoMove V2.7.6 and earlier
- > SoMachine V4.3
- > ESME V1.1
- > M&M FDT Container V02_04_03_00
- > Control Expert V14.0

6. Altivar Machine DTM in ESME

6.1 Versions Provided & Compatibility

Activity	Version
Altivar Machine ATV340 DTM	V3.1.0.0
Altivar Machine ATV340 Firmware	V1.1IE02, V1.4IE09, V1.5IE10, V1.6IE11, V1.7IE15,V1.6IE80_B06, V1.9IE16, V2.1IE17,V3.1IE24
Safety Module	A05IE10_B14
ESME	V1.1

7. Altivar Machine DTM in Control Expert

7.1 Versions Provided & Compatibility

Activity	Version
Altivar Machine ATV340 DTM	V3.1.0.0
Altivar Machine ATV340 Firmware	V1.1IE02, V1.4IE09, V1.5IE10, V1.6IE11 ,V1.6IE80_B06, V1.7IE15, V1.9IE16, V2.1IE17 ,V3.1IE24
Safety Module	A05IE10_B14
Control Expert	V14.0
EcoStruxure Control Expert PSx DTM Library	V3.12.20
M580 CPU RUN boot	V2.80
M580 BME CPU	V2.80

8.1 Known issues or Observations:

- > Pencil Icon (data set changed) that enables the Apply button appears when there is preset conf settings configuration is exported and imported back
- > Sometimes while performing load from device, resetting, open of .sft file, Safety Message pop up appears when SC08 is set to Level / Auto without entering the SC08 control
- > Labels that are too long are cropped in the Safety Display tab
- > While performing store to device using Modbus TCP with multi config feature, increase Global Time out to 5000ms in the SoMove container Modbus TCP scan - advanced settings.
- > While modifying the topology with MultiConfiguration configured, Device Reference and Option Card changes are only supported . Firmware Version change is not supported.
- > Help feature is not available in this version. It will be updated in the next version once finalized from Technical Publication team.

- > If the drive is configured with multi configuration, drive configuration has to be saved in the DTM for configurations 1,2,and 3 before downloading to the drive.
- > Multiconfiguration feature with Input and Output Assignments of the Option card is not supported.
- > Current version of the DTM has connection issues with Pactware V5.0
- > Connection Interruption in SoMachine FDT Container if there are multiple instances of DTM
- > Synchronization issues may occur while transferring a project to a protected device in SoMachine
- > Creating Topology for more than 8 DTM instances leads to exception in SoMachine
- > Continuous opening and closing of device view screen leads to disfigured display .
- > Extended Relays are not Good In DashBoard .
- > Restore of configuration is not happening for some parameters .
- > Cannot import .cfg files for reference ATV340D18N4E created with DTM version V.1.7 and earlier