

# Schneider Electric Altivar Machine ATV340 DTM Library V1.7.0

## - 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	V1.7.0
Altivar Machine ATV340	V1.7.0.0

### 2. Features

#### 2.1 What's New in V1.7.0

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

#### 2.2 What's New in V1.6.3

- > Fix for FMK Version incompatibility
- > Bug Fixes

#### 2.3 What's New in V1.6.1

- > Support of ATV340 Firmware V1.6IE11\_B11
- > Bug Fixes.

#### 2.4 What's New in V1.3.3

- > Support of ATV340 Firmware V1.5IE10\_B06.
- > Bug Fixes.

#### 2.5 What's New in V1.2.7

- > Support of ATV340 Firmware V1.4IE09\_B04.
- > Bug Fixes.

#### 2.6 What's New in V1.2.4

- > Support for Sercos references.

#### 2.7 What's New in V1.2.3

- > Cyber Security Fixes

#### 2.8 Features V1.2.2

- > Create/Modify Topology bug fixes .
- > DPI issue fixes.

#### 2.9 What's New in V1.2.1

- > Bug Fixes

## 2.10 What's New in V1.2.0

- > Bug Fixes.

## 2.11 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
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 V2.7.5 and earlier
- > SoMachine V4.3
- > M&M FDT Container V02\_04\_03\_00

### 6. Altivar Machine DTM in SoMachine

#### 6.1 Versions Provided & Compatibility

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Activity	Version
Altivar Machine ATV340 DTM	V1.7.0.0
Altivar Machine ATV340 Firmware	V1.1IE02, V1.4IE09, V1.5IE10, V1.6IE11
SoMachine	V4.3

### 7.1 Known issues or Observations:

- > 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, only Device Reference change is supported. Firmware Version and Option Card changes are 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 .