

Release Notes for CODESYS 3.5.16.51

Date: 07.09.2021

IMPORTANT

Please read this and referred documents carefully before starting the update!

CODESYS version 3.5.16.51 contains:

- CODESYS 3.5.16.51 package file for the CODESYS IDE 3.16.5
- CODESYS runtime 3.5.16.51
- OS files as listed below

This version has been tested and is approved for the following operational system:

- OPUS A3 – OS 2.2.6
- OPUS A6 – OS 2.2.6
- OPUS A6 G2 – OS EGSPRO 2.3.4
- OPUS A8 – OS EGSPRO 2.3.4
- OPUS B3 – OS EGSCORE 1.2.2

Warning

For EGSPRO devices (A6 G2 and A8), after an update to a 2.x.x OS release, a **downgrade to an OS 1.x.x release is no longer possible**. If you install a BSP 1.x.x release, the device will not be able to boot it. However, the update system will work and you can always reinstall a BSP 2.x.x release.

Using this software for combinations other than those set out above may cause problems and damages for which we cannot accept any liability. The use of the software for any purpose other than those approved by us is at a sole responsibility of your company and should therefore be adequately trialled in advance by means of suitable tests and other checks.

Read the document OPUS_devices_update_manual_xy.pdf for **how to update** the OPUS device.

Install the aforementioned Codesys IDE and then install the listed *.package file. The help for the Topcon part of Codesys will be included in the Codesys Help under Ad-dOns -> TargetDataStorage. By default, the Online HTML help will be shown. To see our help, please go to Tools -> Options -> Help, and deselect "Use web help, if available". Alternatively, the .chm help file is included separately in the folder \manuals\software. It might be that this file cannot be read from network drives. If you see no content, please copy the file to a local hard drive.

Please read the release note documents for the OS to see the changes. Release notes and documentation for the OS versions can be found in \manuals\software\OS.

Please read the Codesys Changes document to see the structural differences between Codesys 3.5.3.x and 3.5.16.x. You can find all documents in the \manuals\software folder of the extracted download file.

The following changes (chronologically) were made for CODESYS version 3.5.16.50 since 3.5.14.0 (check older versions for older changes):

3.5.14.1 - 2019-02-22

- FIX
 - Runtime
 - Communication : Increase timeout for project transfer

3.5.14.2 - 2019-06-06

- FIX
 - Runtime
 - RETAIN Variables : Fix endless loop if no backup data is available
 - BitsPerPixel : Move command order to set framebuffer settings before weston startup
 - VideoObject : Start video after property change only if object is visible
 - Change
 - Runtime
 - Config : Change default Bitmap buffer size from 500 to 50

3.5.14.3 - 2019-06-17

- Feature
 - DeviceDescription
 - Config : Add UseWeston config entry

3.5.14.4 - 2019-06-28

- Feature
 - DeviceDescription
 - Config : Add RestartAfterSleep config entry
 - Config : Add SysWindow config entries

3.5.14.5 - 2019-08-21

- Feature
 - DeviceDescription
 - USB : Add USB ethernet or block device change event

3.5.14.7 - 2019-11-28

- FIX
 - Library

- CANL2Config : Fix lost messages with activated receiver combined with receiver elements.
- Runtime
 - MediaPlayer : Add support for MediaPlayer, EthernetCamera and VideoObject in a Project, but not at the same time.

3.5.14.8 - 2020-03-25

- FIX
 - Library
 - UnitProperty : Remove linebreak from unit properties

3.5.15.40 - 2020-05-15

- FIX
 - Runtime
 - Fonts : Fix link creation
- Change
 - Library
 - NativeControls : Rework event handling for native controls
 - VideoObject : Combine/rename VideoObject function blocks
 - Touch : Remove usage of pointer for capacitive touch devices
- Feature
 - Library
 - TTC Daemon : Add function block to control the TTC download daemon

3.5.15.41 - 2020-06-03

- Change
 - OnlineHelp
 - Add Known Issues : Add section Known Issues to the help file

3.5.15.42 - 2020-06-17

- FIX
 - Library
 - Rebuild : Rebuild because of missing objects in compiled libraries

3.5.15.43 - 2020-09-07

- FIX
 - Library
 - NativeControls : Fix bug with permanent visible objects
- Change
 - Library
 - VideoObject : Combine/rename VideoObject function blocks
- Feature

- Library
 - EEPROM: Add detection for conflicts
 - EthernetCamera : Add support for RTSP

3.5.16.20 - 2020-11-11

- FIX
 - Library
 - NativeControls : Reset of invisible native controls could switch visible state
- Change
 - Library
 - Remove WEBBrowser : Remove WEBBrowser native control, switch to WEB Browser special control

3.5.16.21 - 2020-12-17

- FIX
 - Library
 - MediaPlayer : Detect wrong file format
- Change
 - DeviceDescription
 - Sensor name : Change board_12v_bat to supply_vcc

3.5.16.22 - 2021-02-26

- Feature
 - Library
 - PowerManagement : Support EGSCORE features

3.5.16.23 - 2021-03-08

- FIX
 - Library
 - Backup : Remove old RETAIN folder from backup
 - Runtime
 - Video : Fix position in portrait mode

3.5.16.24 - 2021-03-31

- Feature
 - Runtime
 - Video : EGSCORE, add analog video native control
 - EthernetCamera : EGSCORE, add Ethernet camera native control

3.5.16.50 - 2021-06-29

- FIX
 - Library

- TTC Daemon : Fix TTC progress callback value
- Change
 - Library
 - Speaker2 : Redesign speaker2 element

3.5.16.51 - 2021-08-19

- FIX
 - Library
 - CANConfig : Fix set of baudrate values higher than 250 on startup
 - Runtime
 - Screenshot : Fix screenshot function with weston on devices without frame buffer
 - Error Images : Show errors like version mismatch or license missing with weston

Known Issues - 2021-08-19

- Feature
 - Runtime
 - NativeControls and property handling : If the option activate property handling in all element properties is set the native control elements will not work
 - Symbol Library : If ISOImages library is present in the project the reset time is increased