

Release Notes for Reconstruction 4.0 (Build 706)

1 General information

Please check web site <http://www.knx.org/knx-tools/ets-apps/features/?developer=IT+GmbH/> for new Reconstruction4 versions!

Please read the following hints:

- Importing project files (*.prj) from Reconstruction2 (for ETS3) is possible.
- To start with Reconstruction4 we recommend to read Procedure “Reconstruct ETS project” in the help file!

1.1 Operating systems

Windows XP SP3/Windows Server 2003, Vista/Windows Server 2008, Windows 7/Windows Server 2003 R2, Windows 8 and Windows 10, all 32 or 64 bit are supported.

1.2 Installation

You need ETS4 since Version 4.1.7 or ETS5 since Version 5.0.4 up to 5.0.8 or ETS5.5

If you have an older Reconstruction version, please uninstall this one first (in ETS4 via setting panel - ETS Apps, in ETS5 bottom right at "Apps ... active")

A parallel installation of Reconstruction4 and Reconstruction2 is possible.

2 Important changes since previous release

2.1 Changes since Release 4.0.481.0.

- NEW: optimization of reconstruction algorithm
- NEW: devices with ETS4/ETS5 native product data can now be reconstructed (note: detailed comparisons are not yet working), support of some new parameter types and parameter calculation
- NEW: for reading devices long frames are supported
- NEW: reconstruction of Additional Addresses (e.g. Tunneling addresses in IP Routers)
- NEW: improved reconstruction for RF devices
- FIX: improved access to Online Catalog (Except: for technical reasons product data for couplers cannot be found automatically in Online Catalog)
- FIX: reconstructing a device will keep the existing assignment to a room in project.
- FIX: bug fixed reading some devices with plugins (Griesser Actuators)
- FIX: bug fixed saving project specific settings
- FIX: Free Group Address Style is supported
- FIX: bug for reconstructing text parameters fixed
- FIX: required RAM memory reduced

2.2 Changes since Release 4.0.438.0.

- FIX: for reconstructing or comparing BCU1 devices not supported flags will be ignored now
- FIX: 2Byte manufacturerIds will be supported
- FIX: incorrectly set flag „HasApplicationProgram“ in product data will be ignored, so reconstruction of devices with such products will be possible.
- FIX: transaction handling modified: even longer reconstruction operations are supported
- Formatted flags and priority of group objects on property page
- For identifying and reading local gateway will be ignored

2.3 Changes since Release 4.0.381.0.

- FIX: Bugfix for reconstruction / comparing of same special BCU1 devices
- NEW: property dialog also for product page
- NEW: better support in product data finding for users of ProductFinder tool by using product finder catalog file in reconstruction: file paths for product data are listed at product page and can be copied into clipboard (and pasted into ETS import dialog)

- NEW only for ETS5: two versions for „Read products“ in a split button: “Read all products” looks for product data for all application keys, “Read missing products” works faster because it looks only for application keys without any product data
- 2.4 Changes since Release 4.0.335.0.**
- NEW: adaption for ETS5:
Please note the product access in the ETS5 which is different from ETS4! Initially, only those products are known and available in project which are already used in the current project. Use 'Read products' to look for products in imported manufacturer catalogs, in other opened projects and also the online catalog (if selected) and make them available in current project. We recommend to read item “ETS5: Read products” in the help file.
 - FIX: bug in adding devices into project with same application program but different order number fixed
 - NEW: product change for single devices possible
- 2.5 Changes since Release 4.0.312.0.**
- FIX: bug in reconstructing some special devices fixed (determining parameter values)
 - Performance improvement for reconstruction algorithm
 - New report for „All devices“
- 2.6 Changes since Release 4.0.254.0**
- FIX: bug in reading some special devices fixed (SystemB and others)
 - Reworked helpfile
- 2.7 Changes since Release 4.0.253.0**
- FIX: bug in getting information about AddressTable for SystemB devices fixed.
- 2.8 Changes since Release 4.0.247.0**
- FIX: bug in reading group object table for some devices using mask version BIM112.
 - More efficient reconstruction algorithm for group objects
- 2.9 Changes since Release 4.0.246.0**
- FIX: reconstruction status of devices with incomplete read (missing Association Table) was wrongly set to “OK” although group addresses read out from group address table were not assigned. Now the status is “incomplete”.
- 2.10 Changes since Release 4.0.179.0**
- FIX: bug in reading group objects for some devices with mask version SystemB fixed
 - FIX: bug in identifying and reading devices with mask version System300 fixed
 - Faster reconstruction of some devices by analyzing additional information.
- 2.11 Changes since Release 4.0.170.0**
- NEW: iteration count for reconstructing parameter is configurable.
The value can be changed via "Configuration" button in the setting panel in ETS4.
- 2.12 Changes since Release 4.0.162.0**
- FIX: bug in reading of some devices with mask version 2.5 fixed
 - NEW: Update of group objects for some plugin devices if not done by plugin
 - NEW: Single device scan by device address in one step
- 2.13 Changes since Release 4.0.161.0**
- FIX: bug in reading of BIM112 devices fixed (group objects)
- 2.14 Changes since Release 4.0.144.0**
- FIX: bug in reconstruction of systemB devices fixed (calculation of group objects)

- Reading devices will now ignore irrelevant address space.
- For some special BIM112 devices the assignment of product data from ETS was changed.
- Faster response for cancel during reconstruction

2.15 Changes since Release 4.0.143.0

- FIX: bug during reconstructing of devices with incomplete parameter set (read information has not been evaluated - bug since version 4.0.143.0).

2.16 Changes since Release 4.0.138.0

- Better reconstruction results for some devices by considering not programmable memory space
- FIX: Bug after reading SystemB devices with special format for association table fixed.

2.17 Changes since Release 4.0.49.0

- FIX: Some SystemB devices were not read completely.
- FIX: Bug in getting product data for BIM112 devices.
- FIX: Visibility evaluation of communication objects corrected for the parameter reconstruction process.
- FIX: Termination criteria refined in case of incomplete parameter reconstruction.
- FIX: Project files from Reconstruction2 with upper case extension PRJ could not be loaded.
- FIX: Sort order for device address changed from alphabetical into numerical order.

2.18 Changes since Release 4.0.32.0

- FIX: If an application program is used more than once in the set of devices to be reconstructed, but with different parameter settings, the reconstruction of some of these devices might fail. Reconstruction works fine if done one device after the other.
- FIX: Reduced memory usage when scanning topology or devices across line couplers
- FIX: Avoid error message for application programs without communication objects
- FIX: the value for some special parameters was not determined correctly from download image