

Release Notes for Reconstruction 5.0 (Build 1586)

1 General information

Please check for new App versions!

Please read the following hints:

- To start with Reconstruction, we recommend reading Procedure “Reconstruct ETS project” in the help file!

1.1 Operating systems

- Microsoft Windows 10 x32/x64
- Microsoft Windows 11 x64

1.2 Installation

You need ETS6 or ETS5 (from version 5.7.2). ETS4 and earlier ETS5 versions are **no longer supported**. If you have an older App version, please uninstall this one first.

- In ETS5 bottom right at “Apps ... active”
- In ETS6 top right in “Settings” tab and then in “ETS Apps” tab

2 Important changes since previous release

2.1 Changes since Release 5.0.1548

- CHG: App Configuration dialog is removed from app’s global settings
- CHG: Configuration dialog is restructured and relocated to toolbar
- CHG: Some options (practically irrelevant from user’s perspective) are removed from configuration, but their functionality is still used in the app by default
- CHG: Configuration option ‘Maximum iterations for undetermined parameter values’ is renamed to ‘Iteration limit for undetermined parameter values’ and changed the control from IntegerUpDown to ComboBox
- FIX: Medium type conflict between line and device is handled properly
- FIX: Updating of progress bar and status of device on Project page is improved
- FIX: Some errors due to ETS (after release of ETS 6.1.1) are handled properly

2.2 Changes since Release 5.0.1516

- CHG: Improved reconstruction of devices with modular application programs
- CHG: Status of Online service from IT GmbH for product finding can be shown.
- CHG: Status of configured ProductFinder catalog file can be shown if the file is missing/ is not supported ProductFinder catalog file.
- FIX: bug while loading ProductFinder Catalog file does not allow the results from online service to be shown in sidebar. This error has been fixed.
- FIX: bug while assigning the product data with specific order number is fixed
- FIX: bug with UnionParameter BaseOffset is fixed.

2.3 Changes since Release 5.0.1471

- CHG: Improved Integration with ETS6
- NEW: Support for products with modular application programs
- NEW: Easy searching of product data from ETS local project store and from a new Online service of IT GmbH
- CHG: More interactive user interface during some background operations
- NEW: Product order number information in device properties page (if available from the device)
- NEW: Recognition of more coupler products
- NEW: Support for segment coupler
- NEW: Support for KNX secure devices (if key is available)

2.4 Changes since Release 5.0.1446

- FIX: bug in product selection for couplers fixed
- FIX: bug when setting additional individual addresses for a device fixed
- FIX: bug when comparing with existing project fixed

- FIX: bug handling text assigns for a specific application program
- 2.5 Changes since Release 4.0.1406**
- App does not run in ETS4 anymore
 - FIX: Error in the exception file (for a special product)
- 2.6 Changes since Release 4.0.1403**
- FIX: bug in managing device specific log information fixed
 - FIX: Extended product data search for couplers (compatible mask versions)
- 2.7 Changes since Release 4.0.1299**
- FIX: Reconstruction no longer seems to freeze at 66% for devices with many virtual parameters
 - FIX: Error in reading and reconstructing fixed for some more plugins
 - FIX: Adaptation to parameter types of the current ETS
 - FIX: Fixed an error when creating the memory dump for comparison
 - FIX: Error during evaluation of the parameter calculation fixed
 - FIX: Error when reading the association table for SystemB devices with WideAssociationTable format fixed
 - FIX: Manufacturer filter for coupler data is no longer used for product display (reason: has led to display errors in certain cases)
 - FIX: Error when reconstructing parameters in some product data special cases fixed
 - FIX: Improvement of parameter determination based on the order number for a few products
- 2.8 Changes since Release 4.0.878**
- FIX: Bugfix for reading out devices with APP properties
 - FIX: Bugfix for reading and reconstructing for devices with additional addresses
 - FIX: Bugfix reading and reconstructing by some plugins
 - FIX: Bugfix reading object table for devices with mask version 300
 - FIX: Bugfix for reconstructing parameters in a product data special case
 - Read products: will look only for missing products by default, not for all. If you need additional products to select, please use the Read all products command.
- 2.9 Changes since Release 4.0.706**
- FIX: Bugfix for reading out devices with APP properties
 - FIX: Bugfix for determining the correct reconstruction result: some devices have been incorrectly reported as not completely reconstructed so far
 - NEW: Readout mechanism adapted for some Zennio devices
 - NEW: Reconstruction of IP parameters
 - FIX: Bugfix in reconstructing parameter in a special case of product data
 - FIX: improved UI (automatic expansion when opening the file, detailed texts)
- 2.10 Changes since Release 4.0.481**
- 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

2.11 Changes since Release 4.0.438

- 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

2.12 Changes since Release 4.0.381

- 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

2.13 Changes since Release 4.0.335

- 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

2.14 Changes since Release 4.0.312

- FIX: bug in reconstructing some special devices fixed (determining parameter values)
- Performance improvement for reconstruction algorithm
- New report for „All devices“

2.15 Changes since Release 4.0.254

- FIX: bug in reading some special devices fixed (SystemB and others)
- Reworked helpfile

2.16 Changes since Release 4.0.253

- FIX: bug in getting information about AddressTable for SystemB devices fixed.

2.17 Changes since Release 4.0.247

- FIX: bug in reading group object table for some devices using mask version BIM112.
- More efficient reconstruction algorithm for group objects

2.18 Changes since Release 4.0.246

- 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”.

2.19 Changes since Release 4.0.179

- 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.

2.20 Changes since Release 4.0.170

- NEW: iteration count for reconstructing parameter is configurable.
The value can be changed via "Configuration" button in the setting panel in ETS4.

2.21 Changes since Release 4.0.162

- 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

2.22 Changes since Release 4.0.161

- FIX: bug in reading of BIM112 devices fixed (group objects)

2.23 Changes since Release 4.0.144

- 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

2.24 Changes since Release 4.0.143

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

2.25 Changes since Release 4.0.138

- 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.

2.26 Changes since Release 4.0.49

- 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.

2.27 Changes since Release 4.0.32

- 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