



## Dynamic folders with object filter function

Thumbnail	Number	Name	Object Function	Thumbnail	Group Address	Length
	4229	Switch, Room 8, Lighter room	On	Conting Light 01	0101	1.04
	4229	Channel 4, Sublight	On/Off/Flag	Conting Light 01	0101	1.04
	4229	Switch, Light switch	On	Conting Light 01	0101	1.04
	4229	Switch, Light switch	On	Conting Light 01	0101	1.04
	4229	Switch, Room 8, Lighter room	On	Conting Light 01	0101	1.04
	4229	Channel 4, Sublight	On/Off/Flag	Conting Light 01	0101	1.04
	4229	Switch, Light switch	On	Conting Light 01	0101	1.04
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### Advantage compared to ETS4

Through consistent continued development of dynamic folders, it is now possible to do a device independent filtering on properties of group objects. This allows to run a search on all objects in an installation (usually several thousand) corresponding to an appropriate function. These functions are mostly determined by object name or by a specific object flag.

Next to the before list, underneath a summary of additional novelties and improvements in ETS, sorted according to topic

#### Bus access

- **New Falcon 3.0 – as part of ETS5 and as a programming library for anybody – for easy access to the KNX bus**

#### User interface

- **Merging of all bus relevant functions in one tab for better overview**
- **New report panel, fully integrated in the ETS5 user interface**
- **New full text search including highlighting of search results in the ETS5 working panels and catalogue**
- **Short cuts again extended compared to ETS4**

#### Project editing/Diagnosis

- **Linking with group addresses automatically and in advance filters on compatible objects (improved overview, speeded up search/linking)**
- **Integration of cabinets in rooms possible (building panel)**
- **Assignment of DPT to group addresses also possible**

#### Project documentation

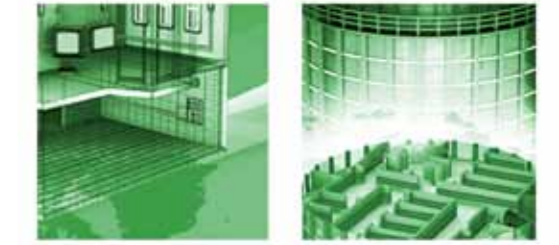
- **Analysis/ calculation of bus current of devices in a line**
- **New report engine for faster reports und preview results**
- **“To Do” exchangeable between PCs as now part of ex/imported project**

#### Operating System support ETS5

- **Windows 7 SP1 x32, x64**
- **Windows 8 x32, x64**
- **Windows Server 2008 R2 SP1 x64**
- **Windows Server 2012 x64**



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## New functionality and improved workflow for KNX experts

One of the main objectives of the ETS5 development was the complete integration/support of KNX RF (S-mode) devices in ETS. The aim was to ensure, that the usage, handling and the workflows already known in ETS work with radio frequency devices in the same way as today with TP/PL devices.

Using radio frequency in mixed installations (with TP or PL) or as plain radio frequency installations opens many new application segments.

An additional point is the again improved performance of project editing and a continued optimization/improvement of workflows.

The before said aspects are reflected in the new ETS5 in following way:

- a) *Project definition and commission of KNX RF (S-mode) is done as in today's TP and PL systems, creation of projects spanning different media and linking with already known methods (keywords are here explicit RF lines in ETS projects → TP/RF coupler, group addresses, group objects)*

- b) *Optimized ETS working areas as regards available work space e. g. visible area*

- c) *Again an increase of performance on recurrent tasks (e. g. KNX product/project import, inserting of devices in a project or sorting/copy functions)*

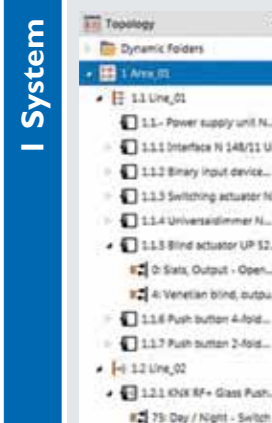
- d) *Change to an database free storage of projects/KNX product entries through saving content in standard folders and files*

- e) *Optimized functionality on dongle licenses*

Underneath some of the above examples will be explained in more detail and if possible illustrated with a picture for better understanding.

The examples given here for sure do not cover all innovations, but give a good impression of the main new features of ETS. We invite all interested customers to discover the functionality explained here through the free of charge ETS Demo version (available since October 2014).

### Integrated KNX RF support



#### Advantage compared to ETS4

From ETS5 onwards, the medium KNX radio frequency is fully integrated into the project creation workflow. Links between objects (even across different media), handling and viewing devices in the ETS, as well as loading the application works with radio frequency on the same principles as with current TP or PL devices.

- *Extension of existing installations with radio frequency components*
- *Creation of pure KNX radio frequency installations*

### Database free ETS technology

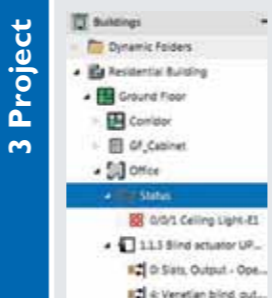


#### Advantage compared to ETS4

With the introduction of database free storage some of the recurring steps when building a project are no longer necessary. This reduces the time needed for project creation and editing/processing significantly.

- *Creation of databases not needed anymore*
- *Separate import of KNX product entries for project creation not needed anymore*
- *On every newly created project immediate access to the devices already imported to the local PC or to devices from online catalogue*
- *Installation of database server not needed anymore*

### Linking in one view



#### Advantage compared to ETS4

Two key elements in the creation of an ETS project are group addresses and group objects, these are available in the ETS4 in two independent windows (group addresses and topology or building). In the ETS5 these two "core elements" can be created, managed and displayed in one single view or window – the building view.

- *Improved overview on commissioned functionality in the building (keyword "place of action", i.e. visibility of the actual place in the building affected by the group address).*
- *Shorter distances when dragging and dropping, hence faster linking*

### Extended functionality of dongle license

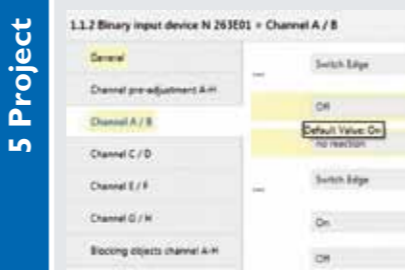


#### Advantage compared to ETS4

With the introduction of the new ETS5 dongle some significant advantages are introduced when working with the ETS on multiple PCs.

- *USB memory on dongle for exchange of KNX data, e. g. exported projects*
- *Licenses do not need to be installed on each computer, as was the case for the ETS4 dongle*
- *No separate dongle driver needed*
- *Smaller size of new dongle compared to that of the ETS4*

### Product parameter changes at a glance



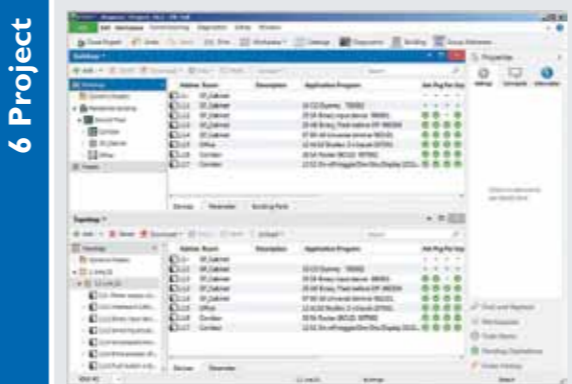
#### Advantage compared to ETS4

Most KNX devices have a variety of device parameters. These are either set to the a default value or a project-specific setting, defined by the installer. Whether project-specific values other than the default are set and if so, what the actual default value is, was before not immediately obvious.

From ETS5 onwards, it is possible to display both values simultaneously.

- *Faster overview on functions in a building or building part*
- *Faster modifications possible*

### Optimized Workspaces

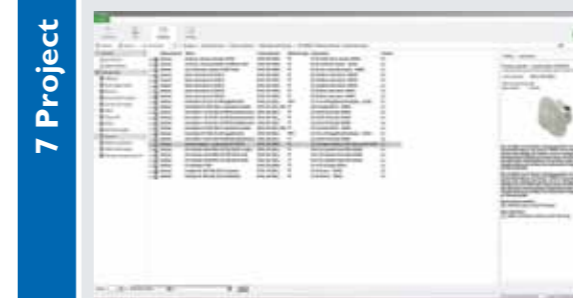


#### Advantage compared to ETS4

The ETS5 uses an again optimized screen with more visible space during the actual project design.

- *More space in detail view, also on low resolution screens*
- *Increased overview through improved and lean menus plus better organization of functions*

### Online Catalog extensions

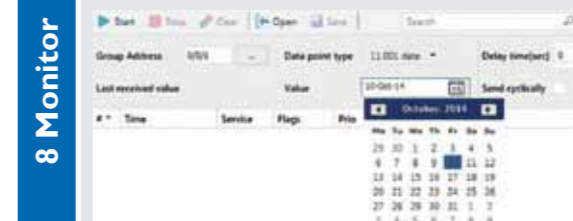


#### Advantage compared to ETS4

The introduction of the online catalogue in the ETS4 was a great success. Next to the KNX product entries KNX manufacturers can now from ETS5 onwards offer advanced Online Catalog information on their products (see picture on the right).

- *Picture and descriptive text*
  - *Application manual as PDF file*
  - *Additional data, e. g. assembly instructions or technical hints*
- We count on further support of the KNX manufacturers to use these new possibilities in ETS5 and add this new data through this KNX infrastructure.

### Integrated data point decoder



#### Advantage compared to ETS4

The new data point type decoder as part of the monitor allows you to send values on the KNX bus easily decoded directly as DPT.

- *User friendly entering of DPT values without having to know the internal formatting of DPTs*

### Fast download with KNX Long Frames

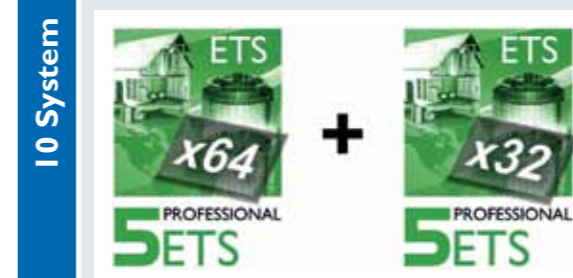


#### Advantage compared to ETS4

From ETS5 onwards in addition to the already known standard telegrams also "long frames" are supported. These "long frames" allow sending long telegrams to the KNX bus. For devices that support the reception of such "long Frames" more payload data can be contained in a single telegram

- *Shorter download times during device download*

### ETS5 as 64-bit application



#### Advantage compared to ETS4

Through consistent use of a 64-bit software architecture in ETS5, the new ETS5 can now run as a true 64-bit application in a 64-bit Windows environment\*. Memory consuming operations (copying of entire lines) can use the full RAM resources of the PC for this purpose. Copy operations are herewith performed in one-step, e. g. without having to take recourse to the hard disc.

\* if no 32-bit component in an ETS project would prevent this