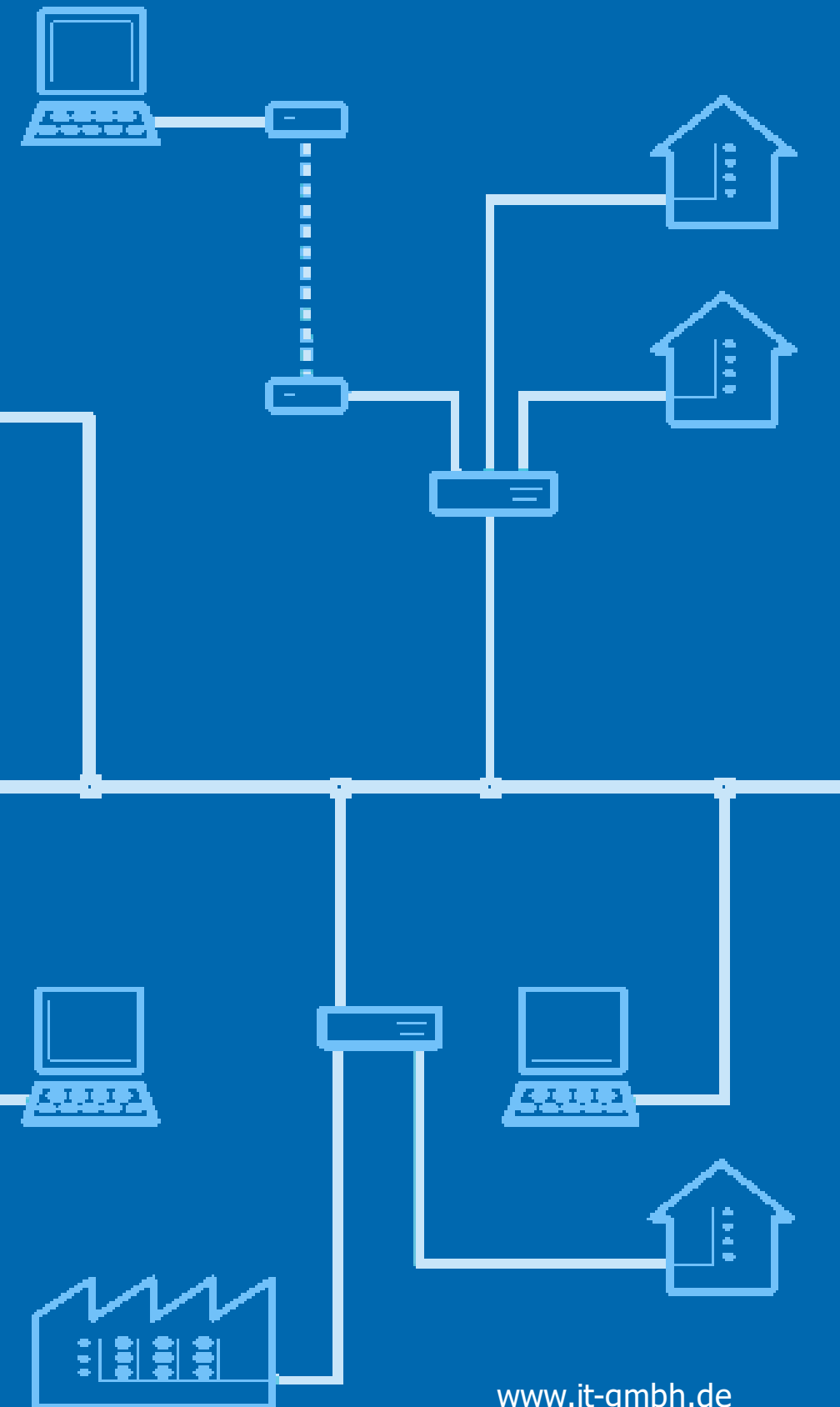




Gesellschaft für  
Informationstechnik mbH



# User-Manual Fill Visualization Dummy

# Fill Visualization Dummy

User-Manual

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# Chapter



**Welcome**

# 1 Welcome

We congratulate to your purchase of the ETS App Fill VisualizationDummy, and thank you for choosing one of our products.

The available functions in Fill VisualizationDummy may be restricted by the used ETS license. In addition you find further details in the on-line help of ETS.

Knowledge of Windows and ETS is necessary for an understanding of the contents described.

## [Features](#)

### How to ...

- [Fill Visualization Dummy](#)

### Windows

- [App Window](#)

### Additional Information

- [Contact \(Orders, Support\)](#)

## 1.1 Conventions

The following conventions were used for this manual:

- **Bold** print either highlights important terms, denotes a menu command or pressing a button.
- *Italic* print indicates a variable text, e.g. Project file indicates that the name of your project file is meant here.
- > and >> the symbol > in a brief description denotes an operational sequence. In front of the sequence symbol > there may be a site specification e.g. main menu or context menu.  
Example: main menu > Edit > Properties properties-page > General means that in the main menu you should first select the Edit menu command and in it the Properties command, then proceed in the dialog which has opened up to the General properties page.  
If a double mouse click is necessary the sequence symbol will be doubled >>. The terms left/right mouse button refer to the standard Windows setting.

Screen images and operating sequences refer to a Windows 10 operating system. If you use another operating system, your display or operation may deviate from the illustrations in this manual.

## 1.2 Features

Fill VisualizationDummy helps you to link group addresses to a dummy device or a bus interface (ETS 5.5 or higher).

A **dummy device** is used instead of a device or software which participates in KNX communication but has no ETS product database entry, e.g. a visualization software.

A **bus interface** represents an USB or IP tunneling interface connected to the bus.

This assignment is necessary so that coupler filter tables are correctly calculated. Moreover, the assignment to bus interfaces is required when using KNX secure communication.

The information about the group addresses can be read either from a file (different formats are supported), or the group addresses can be selected from the current ETS project by drag and drop.

## 1.3 System requirements

- You can use this software only together with the EIB/KNX Engineering Tool Software ETS 5.7.2 or higher.  
Für ETS3, older software versions are available directly from [IT GmbH](#).
- All operating systems are supported where ETS5 can be installed.
- The software uses less than 1MByte space on the hard disk.

**Chapter**



**Procedures**

## 2 Procedures

### 2.1 Launching the App

Fill VisualizationDummy integrates itself as menu command in Apps > IT GmbH. If you use this ETS App regularly, you will find it useful to add it as a button in the ETS toolbar.

Click on the menu item or toolbar button to start the ETS App Fill VisualizationDummy.

### 2.2 Fill Visualization Dummy

Line coupler in KNX systems are also used to reduce telegram traffic. To do so, the line couplers use filter tables created by ETS. ETS filters out all group addresses that must only be transmitted locally, i.e. within a line.

For full system visualization, telegrams must be allowed to pass the line coupler. To this end, a dummy device is inserted in the ETS project. It contains all the group addresses required by the visualization system. The ETS takes the group addresses of the dummy device into account when creating the filter tables.

To link a set of group addresses to a dummy device or bus interface:

1. First select the group addresses:

Get group addresses from current ETS project by selecting them in an ETS window and drag them to the group address part of the [App Window](#).

You may also drag ETS items like main groups or middle groups - this will add all contained group addresses.

The group address set can be also load from a file by the "Load"-command or by Drag & Drop.

Supported formats are csv, txt and files from Elvis3 and some xml formats. Files in csv and txt format must contain a column with group addresses and header columns. See [Supported file formats](#) for details.

The list of group addresses is sortable by all columns, you can see the number of group addresses in the text above the dummy device selection. Single addresses can be removed from the list using the context menu, "Clear list" will remove all entries.

If the file contains duplicate entries for group addresses, only the first entry is used and the other entries are skipped.

During loading, the system checks whether the group addresses already exist in the ETS project. Already existing group addresses are marked with a small triangular navigation button.

2. Now select a dummy device or bus interface from the combobox in the bottom part of the [App Window](#).

If there is no dummy device, please add it from the product catalog to the desired line. Most KNX manufacturers have such dummy devices in their product databases.

You may also select any device from project (with an Individual Address and at least one active group object) and add it by Drag & Drop from ETS panel into combobox.

3. Click the Execute button to import the group addresses which are not yet in ETS project and to link all group addresses from the list with the dummy device / bus interface.

The input given for name, description and comment of group addresses is accepted only when inserting new, existing texts are not changed.

Normally only the length or the type of the group object is relevant for connecting with the group address.

All listed group addresses that are not already yet linked with a dummy device in the same line will be linked with the current dummy device according to the defined length of the group address. Group addresses without a defined length are linked to the 1bit group object.



If an explicit group object number is given in the import file the group object of the current dummy device with same number will be linked to the given group address - regardless if there is already another connection between the group address and another device or group object in current line.

If the current dummy device has reached the maximum number of linked group addresses a new dummy is automatically added into the line and the operation continues. In ETS5.6.5 there is no limit for group addresses in dummy device.

If the given length in the import file type cannot be converted to an object type or does not match the length of the type group address in ETS, no link is created.

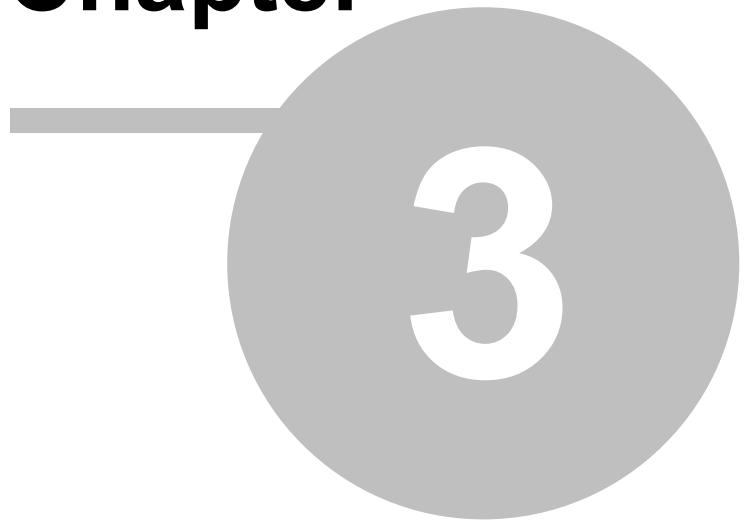
In the bottom part of the [App Window](#), the progress of import and link is displayed. The operation can be aborted at any time by the "Cancel" button.

Further options affecting the execution are described in the Options section of [App Window](#).

4. Information about the import and link operations can be inspected on the "Output" page and saved as a text file.

The list of group addresses were each supplemented with a symbol for the status. Move the mouse over the symbol to see details about the import and link operation for this group address.

**Chapter**



**Reference**

## 3 Reference

### 3.1 User Interface

#### 3.1.1 App Window

In the App window, the following information is displayed:

- On the top, the group addresses selected for the link operation with dummy device (Page Group Addresses) or the log entries (Page Log Info)
- Below, the selection list for the dummy device. Button "Execute" is disabled for empty group address list or - if option "Assign to target" is enabled - for an empty dummy list. Use update button to get a list of all dummy devices currently present in the project.  
In addition, any other device with a complete address and at least one group object can be added to this list directly via drag & drop from the ETS.

### Options

Via this button the following options can be adjusted:

Add missing group addresses	If checked, new group addresses will be added to the project. Otherwise only group addresses already present in the project are linked.
Update existing group addresses	If a group address is already in the project, these options specify if the relevant properties will be overwritten or not.
Assign to target	By unchecking this option, the App can be used to import group addresses without filling a dummy device.
Use object number	If the imported data contains information about object numbers and this option is checked, the App will assign the group address to the indicated object instead of choosing a suitable object.
Create new Dummy if necessary	If this option is checked and the selected dummy device cannot accept more group addresses, a new dummy device is automatically created in the same line and the process continues with this new dummy device. Since ETS5.6.5 there is no limitation for group addresses in dummy devices.
Skip already assigned group addresses	If this option is checked, the App will add only those group addresses that are not yet linked to a device in the same line.

### 3.2 Supported file formats

The following import file formats are supported:

- Elvis3- files (\*.elvssc)
- Gira HomeServer XML files (\*.xml)
- Groupaddress export from ETS4 or ETS5 (\*.xml)
- csv files (\*.csv, \*.txt)
  - Supported column separators: semicolon (;), comma (,) or tab.
  - The first non-empty row must contain the column headings.
  - The group address column is mandatory, all other columns are optional.
  - The following columns will be evaluated:

Meaning	recognized column headings (case is ignored)	Remarks
Group address	"groupaddress", "group address", "gruppenadresse", "address", "adresse",	Formatted in two/three level notation ("1/300" or "1/0/2") or as numerical value (z.B. "100"). A leading underscore is allowed. Warning: some of the group address formats exported in ETS does not fulfill this condition. To link to group

Meaning	recognized column headings (case is ignored)	Remarks
	"groupaddress.address", "grpaddr", "grpadr", "ga"	addresses from these files, please import first the group addresses by ETS group address import into the current project and drag them into the group address range of the app.
Data type	"eis", "eis-typ", "eis type", "type", "typ", "dpt", "datapoint type", "datenpunkttyp", "datenpunkt-typ"	The data length (in bit or byte) is derived from this column. The following formats are supported: <ul style="list-style-type: none"> <li>• Direct specification in bit or Byte: if the text contains "bit<i>n</i>", "bit <i>n</i>", "<i>n</i> bit" or "byten", "byte <i>n</i>", "<i>n</i> byte" (case ignored, arbitrary text before or after), the bit/Byte length <i>n</i> is assumed</li> <li>• Specification as KNX datapoint type: if the text contains "DPT<i>n</i>", "DPT <i>n</i>" (case ignored, arbitrary text before or after), the length of the corresponding KNX datapoint type is assumed</li> <li>• Specification as EIS type: if the text contains "EIS<i>n</i>", "EIS <i>n</i>" (case ignored, arbitrary text before or after), the length of the corresponding EIS type is assumed</li> <li>• Specification as Elvis2 datapoint type: the Elvis 2 datapoint types starting with "EIB" (e.g. "EIB Switching") are recognized</li> </ul> The column may be missing or empty.
Name of the sub group	"dp name", "name", "groupaddress.name", "bezeichnung", "untergruppenbezeichnung", "subgroup name", "sub", "group name", "datenpunkt", "datapoint"	This column contains the name of the group address. The column may be missing or empty.
Description of the sub group	"groupaddress.description", "beschreibung", "untergruppenbeschreibung", "description"	This column contains the description of the group address. The column may be missing or empty.
Comment of the sub group	"groupaddress.comment", "kommentar", "untergruppenkommentar", "comment"	This column contains the comment of the group address. The column may be missing or empty.
Name of the main group	"maingroup.name", "hauptgruppenbezeichnung", "maingroup name", "main"	This column contains the name of the main group for two or three level group address style, otherwise it will be ignored. The column may be missing or empty.
Name of the middle group	"middlegroup.Name", "mittelgruppenbezeichnung", "middlegroup name", "middle"	This column contains the name of the middle group for three level group address style, otherwise it will be ignored. The column may be missing or empty.
Number of the group object	"objectnumber", "object number", "number", "comobject number", "groupobject", "groupobject number"	This column contains the number of the group object the group address should be linked with. The column may be missing or empty.

**Chapter**



**Imprint**

## 4 Imprint

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**Chapter**



**Contact**

## 5 Contact

### Orders

ETS App Fill VisualizationDummy is available only at KNX Onlineshop.

For information please contact our sales office:

Phone: +49 (0) 911 518349-0 (Mo-Fr 9 a.m. to 16 p.m.)

Email: [vertrieb@it-gmbh.de](mailto:vertrieb@it-gmbh.de)

### Support Service

If you have questions or problems, you may contact our support:

Phone: +49 (0) 911 518349-10 (Mo-Fr 9 a.m. to 4 p.m.)

Email: [support@it-gmbh.de](mailto:support@it-gmbh.de)

WEB: [problem report](#)

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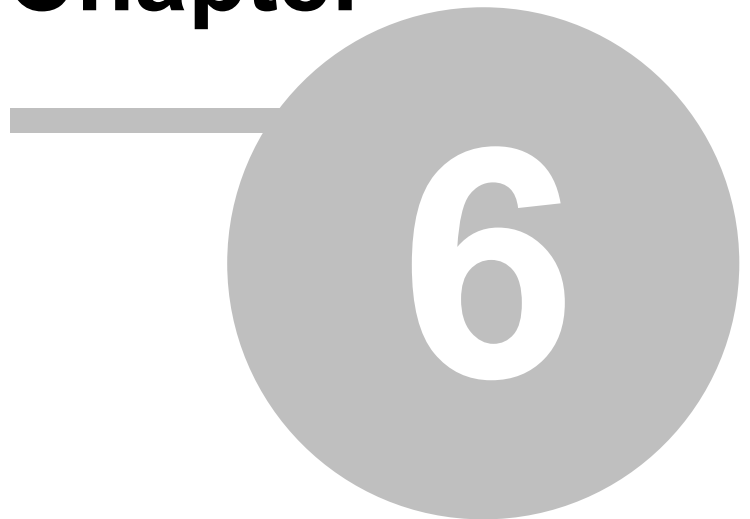
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**Chapter**



**Feedback**

## 6 Feedback

Please help us to improve our ETS Apps. Your feedback may influence further development so that in subsequent versions and manual editions your wishes and requirements may be taken into consideration.

We look forward to receiving your comments and wishes on the content, representation of associations as well as comprehensibility regarding the program parts or the documentation. Please also let us know if you have any improvement suggestions with regard to support, training or sales.

[Feedback via IT Website](#)

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