

Weinzierl BAOS CSV Importer

Documentation
Version: 1.1

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Usage

With the Weinzierl BAOS CSV Importer a so-called DCA (Device Control App) is available for the ETS. The Weinzierl BAOS CSV Importer is available for all Weinzierl BAOS devices with a generic ETS product database and provides an easy way to export the existing configuration of a generic BAOS database to a CSV file and reimport it into another project. Thus, a tedious configuration by hand is spared.

The Weinzierl BAOS CSV Importer is available online as a free download in the online store of the KNX Association at Shop / ETS-Apps (<https://my.knx.org/en/shop/ets-apps/device-configuration-apps> Creating a User account is necessary). After adding to cart and checking out you will receive within a short time the download link for the Weinzierl BAOS CSV Importer displayed under "My Account / Products" (<https://my.knx.org/account/product>). The Weinzierl BAOS CSV Importer requires a commercial license of ETS 5.5 or higher.

Import into an ETS project:

To import a csv file into an existing project, click the button "Csv to Grid" to open the file. In the preview it is possible to edit the configuration before the import into the ETS project. The changes in the preview are only temporary, they can be written back to the csv file with button "Grid to Csv". Afterwards the data in the preview can be imported into the database through a click on the button "Grid to Param".

Export to a csv file:


If there are already configured data points in the ETS project, it is possible to load them into the preview through a click on the button "Param to Grid". In the preview it is possible to edit the configuration before the export into the csv file. The changes in the preview are only temporary, they can be written back to the ETS project with button "Grid to Param". Afterwards the data in the preview can be exported into a csv file through a click on the button "Grid to Csv".


Set to Default:


With the button "Set to Default" it is possible to set back the configured data points and parameter bytes in the ETS database to their standard values.


User interface


The user interface shows different information depending on which operation is selected.


Set to Default


Grid to Param


Param to Grid


Csv to Grid


Grid to Csv

Include group addresses
 Include parameter
 Include flags

Data points

ParameterBytes


Data point	Data point type	Description	Address	C	R	W	T	U	I
1	DPT-1	Light living room	0/0/1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	DPT-3	Light bed room	0/1/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	DPT-1	Blinds bed room up/down	0/1/1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	DPT-9	Temperature bed room	0/1/2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	DPT-18	Scene control	0/2/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	DPT-10	Time	0/2/1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	DPT-11	Date	0/2/2,0/2/3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>


Headerinfo

Project name Baos_DCA_2019-06-24_001

Device type BAOS 773

Device name KNX IP BAOS 773


Add row


Delete row

Buttons



Deletes the configuration of the data points and parameter bytes in ETS project.



Saves the configuration in the preview into the ETS project.



Loads the configuration of the ETS project into the preview.



Loads the content of a csv file into the preview.



Saves the configuration in the preview into a csv file.



Adds a row to the end of the actual list in the preview.



Deletes the selected row in the preview.

Optional checkboxes

Include groupaddresses

If this checkbox is active, the group addresses will be considered for import to the ETS project and export to csv file.

Include parameter

If this checkbox is active, the parameter bytes will be considered for import to the ETS project and export to csv file.

Include flags

If this check box is activated, the flags of the communication object are taken into account for the import into the ETS project and the export into the CSV file.

Data point preview

If a configuration either from the device or from a csv file is loaded, the preview shows the information of each data point in four columns.

Data points		ParameterBytes							
Data point	Data point type	Description	Address	C	R	W	T	U	I
1	DPT-1	Light living room	0/0/1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	DPT-3	Light bed room	0/1/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	DPT-1	Blinds bed room up/down	0/1/1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	DPT-9	Temperature bed room	0/1/2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	DPT-18	Scene control	0/2/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	DPT-10	Time	0/2/1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	DPT-11	Date	0/2/2,0/2/3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Columns

Data point	The id of the specific data point as defined in the configured ETS project. Only numeric values are allowed.
Data point type	Defines the data point type. The value can be written 'DPT-' or 'DPT ' followed by a number, or the number of the type alone.
Description	Description of the data point. The maximal length of the text is limited to 30 characters.
Address	Shows the group addresses the data point is linked to (if loaded from ETS project) or should be linked to (if loaded from csv). The value can either be written in three state notation (0/0/1) or as a hexadecimal number (0x01). It is also possible to write more than one address in the field. The addresses then must be separated by a comma.
C, R, W, T, U, I	Each of these columns represents a flag of the communication object.

C	Communication
R	Read
W	Write
T	Transmit

U Update
I Read on Init

Multiple addresses

Each data point can be linked to more than one group address. If a row is selected, the row details open and show an extended view of the column 'Address'.

For each group address, a set of text fields is displayed with the address itself and the field 'Description'.

Data points		ParameterBytes							
Data point	Data point type	Description	Address	C	R	W	T	U	I
1	DPT-1	Light living room	0/0/1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	DPT-3	Light bed room	0/1/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	DPT-1	Blinds bed room up/down	0/1/1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	DPT-9	Temperature bed room	0/1/2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	DPT-18	Scene control	0/2/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	DPT-10	Time	0/2/1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	DPT-11	Date	0/2/2,0/2/3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			GrpAddr.	Description					
			0/2/2	Date					
			0/2/3	Date 2					

ParameterByte preview


If a configuration either from the device or from a csv file is loaded, the preview shows the information of each parameter byte in three columns.

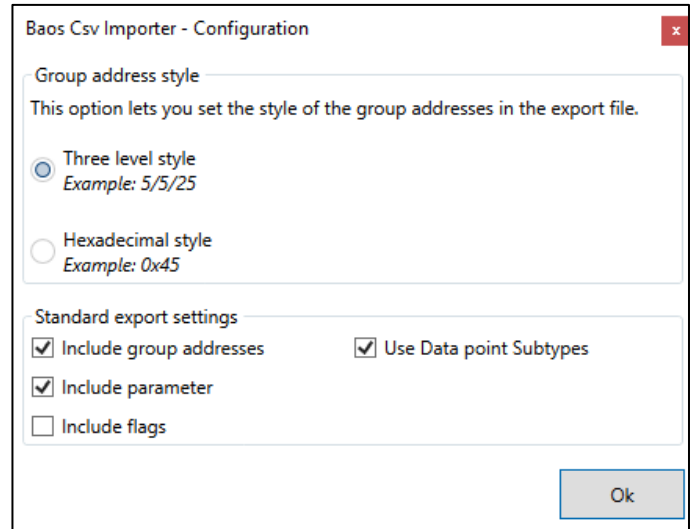
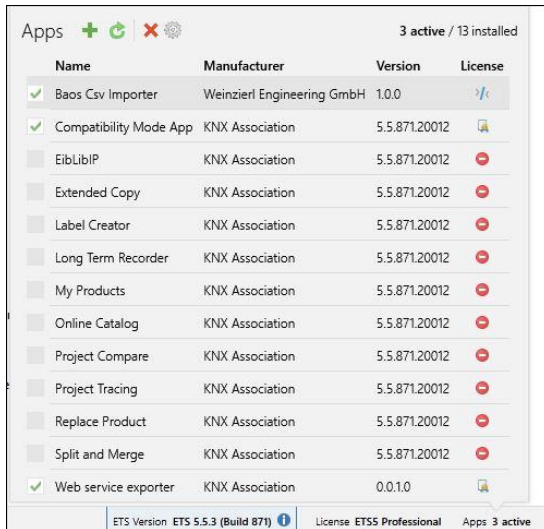
Datenpunkte		ParameterBytes	
ParameterByte	Nummer	Beschreibung	
1	1	PARAM_1	
2	10	PARAM_2	
3	55	PARAM_3	
4	85	PARAM_4	
5	247	PARAM_5	

Columns

- ParameterByte** The id of the specific parameter byte as defined in the ETS project. Only numeric values are allowed.
- Number** Defines the value of the parameter byte. Only numeric values from 0 to 255 are allowed.
- Description** Description of the parameter byte. The maximal length of the text is limited to 30 characters.

Configuration

The configuration dialog can be opened from the status bar of the ETS while no project is opened. If the DCA is installed correctly it should be displayed in the list of apps. Select the DCA and click the  icon.



Group address style

You can choose between the 'Three level style' or the 'Hexadecimal style'. Depending on which option is selected, the group addresses are displayed in the preview and exported in the csv file with this format.

Standard export settings

These options control the check status of the check boxes after starting the DCA to include the group addresses, parameters and flags in the import and export to and from the device.

The option "Use Data point subtypes" can be used to control whether only the data point types such as 1 (1-bit) or additionally the subtypes such as 1.001 (switching) are used.

Csv format

	A	B	C	D	E	F	G
1	Csv version	1.1					
2	Project name	Baos_DCA_2019-06-24_001					
3	Device type	BAOS 773					
4	Device name	KNX IP BAOS 773					
5							
6	Type	ID	DPT	Description	Addr/Val	Flags	
7	DP		1 DPT-1	Light living room	0/0/1	C	
8	DP		2 DPT-3	Light bed room	0/1/0	CRWTU	
9	DP		3 DPT-1	Blinds bed room up/down	0/1/1	C	
10	DP		4 DPT-9	Temperature bed room	0/1/2	CRWTU	
11	DP		5 DPT-18	Scene control	0/2/0	CRWTU	
12	DP		6 DPT-10	Time	0/2/1	CRWTU	
13	DP		7 DPT-11	Date	0/2/2,0/2/3	CRWTUI	
14	PB		1	PARAM_1		1	
15	PB		2	PARAM_2		10	
16	PB		3	PARAM_3		55	
17	PB		4	PARAM_4		85	
18	PB		5	PARAM_5		247	
19	GA		DPT-1	New Groupaddress	0/0/1		
20	GA		DPT-3	New Groupaddress	0/1/0		
21	GA		DPT-1	New Groupaddress	0/1/1		
22	GA		DPT-9	New Groupaddress	0/1/2		
23	GA		DPT-18	New Groupaddress	0/2/0		
24	GA		DPT-10	New Groupaddress	0/2/1		
25	GA		DPT-11	Date	0/2/2		
26	GA		DPT-11	Date 2	0/2/3		
27							
28							

Header

The header provides information of the csv file and will be displayed in the bottom left corner of the DCA. At import to the preview the DCA checks if the correct header exists in the first 20 rows of the file.

Csv version The version provides information about the format used in the import file. If the format changes in an update, the version number is increased. If an older version number is no longer compatible, the DCA will issue a warning and the csv file cannot be imported. This information is required.

Project name The name of the ETS project. This information is optional.

Depending on the BAOS device from which the DCA is called, one of the following values is written in the file. This information is optional.

Device type BAOS 773
BAOS 774
BAOS 777
BAOS Module

Device name The name of the device as named in the ETS project. This information is optional.

Columns

Type	<p>The type defines what should be imported.</p> <p>DP Data point PB ParameterByte GA Group address</p>
ID	<p>The id of the specific data point as defined in the configured ETS project. Only numeric values are allowed. This information is only needed for the types DP and PB.</p>
DPT	<p>Defines the datapoint type. This can be defined for a simple datapoint type e.g. "DPT-1", or for a datapoint type plus subtype e.g. "DPST-1.001". This information is only required for types DP and GA.</p>
Description	<p>The description of the type's value.</p>
Addr/Val	<p>This column can either have inserted the group address of the types DP or GA, which can be written in three state or hexadecimal style or can have the value of the ParameterByte inserted.</p>
Flags	<p>Contains a string that defines the set communication flags. If no flag is set, the field is empty. If all flags are set, the field contains the value "CRWTUI".</p>

Comments

As only rows that start with either DP, PG or GA are imported, it is possible to write any text as comments in between the lines.

Version history

Version Information

1.0	Initial release
1.1	Updated with Flags and Data Point Subtypes