

News 03/2024 – e64Pro V2.1.0 & DCA V2.1.0.0

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1. IPAS DaliControl e64Pro V2.1.0

In this newsletter we inform you about new functions and features of the IPAS DaliControl e64Pro firmware from version 2.1.0, the new DCA V2.1.0.0. and the ETS application V2.1. The application description has also been updated with the new functions and features.

- Firmware V2.1.0
- ETS-Application V2.1
- DCA V2.1.0.0
- Application description V2.1.x

The firmware update, the ETS application, the new DCA and the current application description are available for download on our website:

<https://www.ipas-products.com/catalogue?ref=4101-145-02>



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2. Constant Light Control and the ETS-Parameter

With this new software package comes the long-awaited "constant light control". It supplements the "light control via limit value" with an even more precise variant to make lighting more efficient, automated and economical.

MB1, Description

i Motion and Brightness Settings are available on a new parameter page.

Type of Sensor

Type of Light Control

none

Light Control via Threshold

Constant Light Control ✓

- Light control depending on a preset brightness value
- Set a fixed brightness setpoint value in parameters and/or adjust individually via communication object

Setpoint / Threshold

Setpoint Brightness lux

Setpoint Brightness Hysteresis lux

Setpoint Value based on Parameter Parameter + Set by Object

Setpoint Start Behaviour Use ETS Parameter Keep last Object Value

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- One main group and a maximum of two subgroups can be controlled internally
- Percentage weighting of main and subgroups possible
- Output of the control value also via a communication object

Output Configuration

Light Groups to be controlled Main Group + 2 Sub-Groups ▼

Main Group controls internal Group Group 1 ▼

i A weighting can be specified for the control of the subgroups. A value of 100% means that the value of the main group is transferred 1:1 to the subgroups.

Factor for Sub-Group 1 120% ▼

Sub-Group 1 controls internal Group 2 ▼

Factor for Sub-Group 2 80% ▼

Sub-Group 2 controls Group 3 ▼

- Constant light control in Automatic or Semi-Automatic mode
- Allow manual override of the light control
- Automatic fallback after override in automatic mode

Disable and Automatic Mode

A manual override of the groups involved deactivates the light control No Yes

i The light control can be deactivated/disabled via Disable Automatik Object or by overriding the groups.
Any manual influence on the groups involved deactivates the light control. This has to be reactivated by setting the Disable Automatik Object.

Usage of Disable Automatic Object Disable with Value 0 Disable with Value 1

Behaviour on Disable Automatic Mode Keep last value ▼

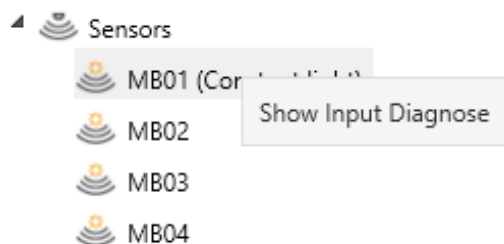
Activate Fallback to Automatik Mode No Yes

Fallback Time to Automatik Mode after 10 Minutes ▼

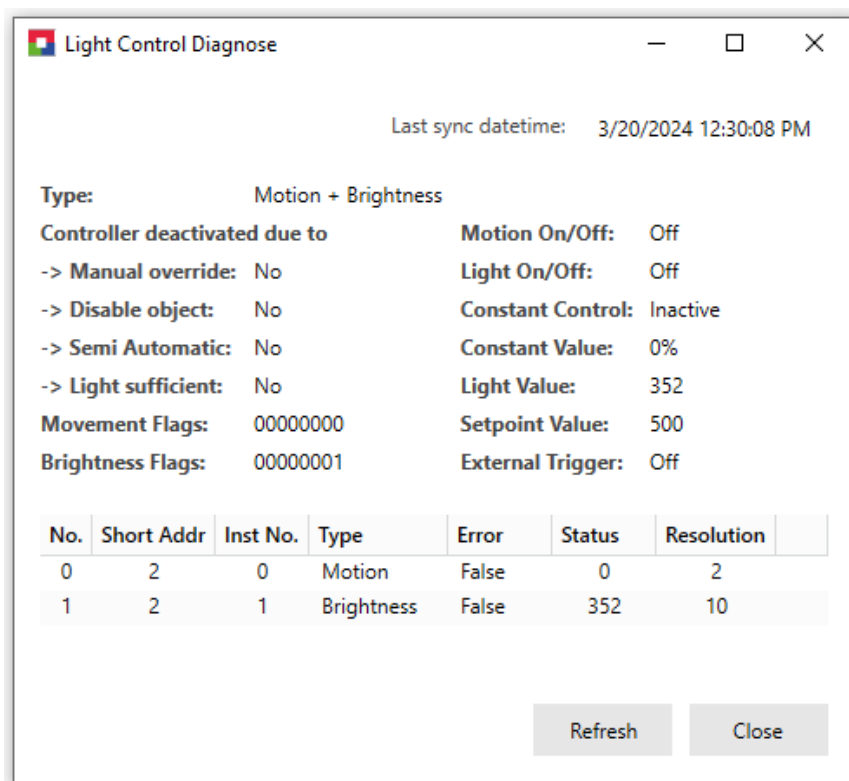
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3. Constant Light Control and Diagnostic panel in the DCA

The diagnostic panel in the DCA can be used not only for "light control above limit value", but also for the diagnosis of "constant light control".



After status synchronisation of the DCA, open the diagnostics panel of the selected sensors in the DCA with the right mouse button



Last sync datetime: 3/20/2024 12:30:08 PM

Type: Motion + Brightness

Controller deactivated due to

- > Manual override: No
- > Disable object: No
- > Semi Automatic: No
- > Light sufficient: No

Movement Flags: 00000000

Brightness Flags: 00000001

No.	Short Addr	Inst No.	Type	Error	Status	Resolution
0	2	0	Motion	False	0	2
1	2	1	Brightness	False	352	10

- Quick diagnosis of the brightness and motion sensors
- All measured values and statuses at a glance
- Diagnostics possible without linked communication objects
- Find out the reason for deactivated light control

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4. Calibration of the Constant Light Control

In order to set up an effective and efficient "constant light control", there is no way around calibrating the control. We offer two different options for adapting the light control to the environment.

- Calibration by manually entering the brightness correction values in the ETS parameters for the brightness sensor



Brightness Correction

Brightness Correction Use always below ETS Values
 Use DCA Calibration

Brightness Correction Value lux

Room Reflection %

- Brightness calibration with the DCA tool

MB01 (Constant light)			Calibration ✓	
Type	Flag	Description	Addr	Instance No.
	OK	MB01 (Constant light)	2	0
	OK	MB01 (Constant light)	2	1

Calibration [Close]

Brightness calibration requires manual interaction

- First, please select the max light value you need and press SET.
- Second, measure brightness with an appropriate tool and enter value into the bordered text-field.
- Press SAVE in order to transmit data to device.
- Repeat the actions above for the min value.

Max Value SET Measured Lux SAVE

Min Value SET Measured Lux SAVE

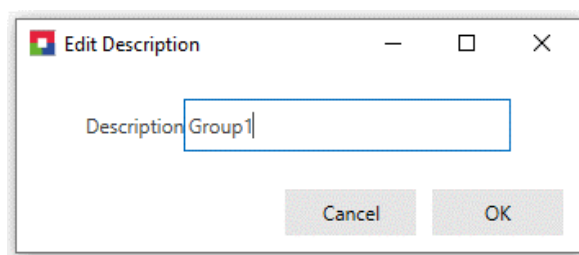
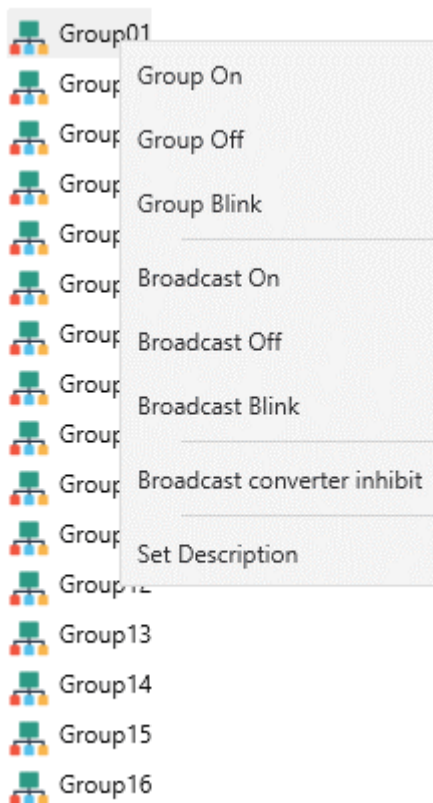
Close

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- Measure the ambient brightness with a suitable luxmeter
 - Calibration in just three steps
1. Darken the room to exclude sunlight as a light source
 2. Enter the measured lux value with maximum control of the controller group(s)
 3. Enter the measured lux value with minimum control of the controller group(s)

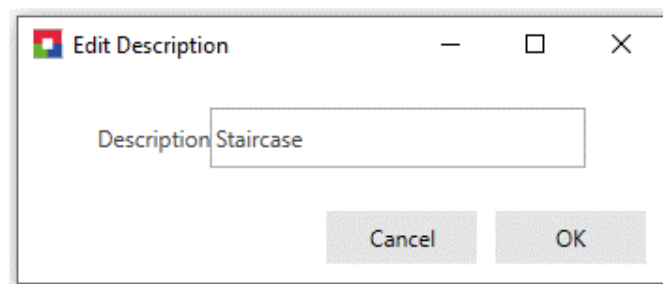
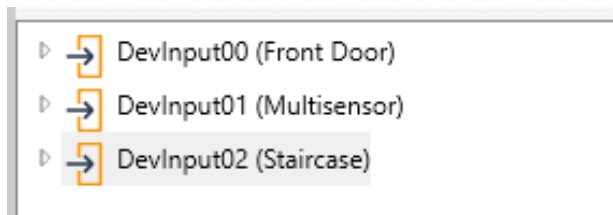
5. Description texts for groups and input devices

- Now even easier to set description texts for groups in the tree structure in the DCA



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- Labelling the physical input devices
- Labelling of motion detectors, brightness sensors, generic sensors and Dali push-buttons

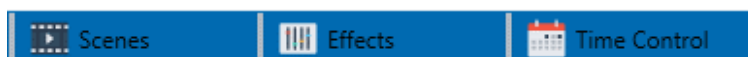


6. Change notes in the DCA

- Notes on changes in the DCA that have not yet been downloaded



- Changes that have not yet been programmed into the Dali Gateway are indicated by a red "Download" button
- Change notices are displayed for Scenes, Effects and Timing Control



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7. New functions for Dali push-buttons

- Single-button dimming for connected Dali push-buttons
- Direct control of a Dali group or a single ECG

Single Button 1 (Left Button)

Function of Single Button No. 1	Toggle/Dimming ▼
<div style="border: 1px solid #0070C0; padding: 5px;"> i Function can be directly assigned to GROUP or ECG without linking via KNX group addresses </div>	
Function of Internal Usage	Set GROUP ▼
GROUP Number to be set	1 ▲▼

- Led status feedback for Dali push-buttons

Feedback available	<input type="radio"/> No <input checked="" type="radio"/> Yes
Feedback LED Left	Status inverse ▼
Feedback LED Right	Status ▼

8. Call up scenes via IoT/MQTT

- Scenes can now be called up via IoT/MQTT
- Scene Level (cmd/[location]/client-id/index)
- Call-up with the input value: "on"