LUXORliving System Manual Version 4



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General 1

LUXORliving smart home control is based on a bus communication and includes control of lighting, actuators and indoor climate. LUXORliving is taken into operation by using the free LUXORplug programming tool. (http://luxorliving.de/luxorplug/)

LUXORplug assigns all functions, which can also be changed later on.

→ C Download on the App Store

Operation is done via permanently installed operating controls or by using the free LUXORplay app, which can be installed on a smartphone or tablet.

For iOS - App Store

For Android - Play Store → Scoogle play



igcup When operating via app, the LUXORIiving IP1 system control centre has to be connected to your home network.

2 System

- All components of LUXORliving communicate via a bus connection according to the KNX standard (KNX S-mode).
- The connection to the home network is via the LUXORliving IP1 system control centre. This allows operation via the LUXORplay app.
- The system can be equipped with a maximum of 64 LUXORliving devices, which includes system devices, sensors and actuators.

System devices

- LUXORIiving IP1 (system control centre),
- LUXORliving P640 (power supply)¹

Sensors

- Weather station
- Room sensors
- Binary inputs
- Button interfaces
- iON tactile sensors

Actuators

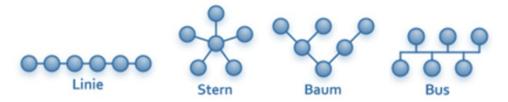
- Switch actuators
- Dimming actuators
- Blind actuators
- Heating actuators
- For operation, conventional buttons are used. They are integrated into the system via button interfaces/binary input. Control is always via button. Only for the "switch" function you can chose between "button" and "motion detector" (switch). Alternatively, operation can be carried out via the LUXORliving iON tactile sensors. Also, the LUXORplay app (for iOS, Android, Windows-PC) can be used for operation.

¹ Only **one** system control centre and one power supply are allowed to be installed in one system.

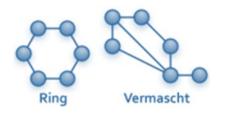
Installation 3

- The components of LUXORliving are intended for installation in a switch cabinet, in a • flush-mounted box, or for wall mounting.
- Communication is via a 2-wire bus, to which each device has to be connected. The bus • connection can be executed as a line, star or tree topology. The various wireless actuators and sensors also allow wireless communication.

 $igodoldsymbol{\hat{U}}$ The bus connection can be executed as a line, star, tree, or bus topology.



A connection as a closed ring or meshed is not allowed and leads to functional problems in programming and communication!





igl(D) The following cable lengths have to be observed: power supply – participant participant - participant total cable length

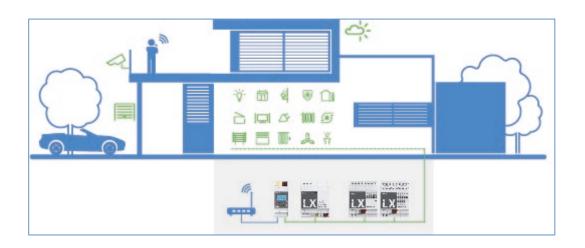
- → max. 350 m → max. 700 m
- → max. 1,000 m

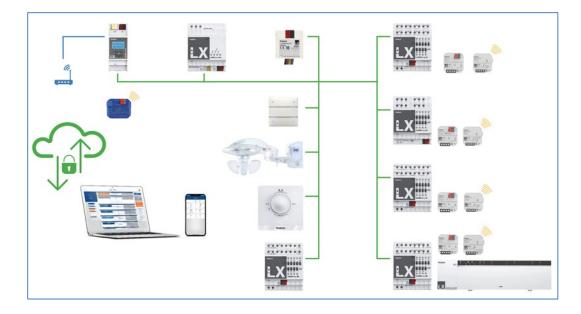
For the bus connection, a KNX-certified bus line (J-Y(St)Y 2 x 2 x 0.8 mm) has to be used.

iglion For operation, conventional buttons are used. They are integrated into the system via button interfaces/binary input. Control is always via button. Only for the "switch" function you can chose between "button" and "motion detector" (switch). Alternatively, operation can be carried out via the LUXORliving iON tactile sensors. Also, the LUXORplay app (for iOS, Android, Windows-PC) can be used for operation.

 Please note that outdoors, a bus line can pose an increased safety risk. As an alternative in the outdoor area, normal motion detectors with relay contact can for instance be integrated into the system via the LUXORliving B6 binary input. When using the LUXORliving M140 weather station, installation location and cable routing should be chosen in a way, so access to the bus line is difficult.

When using the modular LUXORIiving M130/M100 weather sensors, the system's bus line is not routed to the outside, which ensures increased safety.







4 Simple start-up in 6 steps



4.1 Start project

First, complete the formalities by entering all relevant product information, such as the project name, builder, address and installer.



4.2 Create overview

Using drag & drop, you can add the rooms to the relevant floors and assign them individual names.



theben

4.3 Integrate devices

Devices that have already been installed can be imported, identified and named automatically. Or you can create the device list manually and offline.



4.4 Define functions

Use drag & drop to add functions to the devices in each room. This determines which devices communicate with each other.

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	tracker concepting
	Arity paparates
T	
	Construction
Under some	
- marine	

4.5 Program functions

These functions can be transferred at any time. The project planning does not have to be completely finished to program the devices.

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n Say		Poptitule Refuge	-
	_		



4.6 Prepare visualisation

> The project file is transmitted to the system control centre. The functions are then extremely easy to operate and configure using the LUXORplay app.

neben

5 Start-up with LUXORplug

5.1 Establish a connection

LUXORIiving is always put into operation by using the LUXORIiving IP1 system control centre and the LUXORplug software. The LUXORplug software can be downloaded for free at https://www.theben.de/ (https://luxorliving.de/luxorplug/).

For operation, the LUXORplay app is used, which is also available as a free download for your smartphone/tablet.



(i) https://luxorliving.de/luxorplug/

System requirements for LUXORplug:

- Windows 7 to Windows 10
- 32 bit and 64 bit



https://itunes.apple.com/de/app/luxorplay/id1319899246?mt=8 https://play.google.com/store/apps/details?id=de.theben.LUXORplay&hl=de https://luxorliving.de/luxorplay/

System requirements for LUXORplay:

- Windows 7 to Windows 10
- 32 bit and 64 bit
- Android from version 4.4.
- iOS from version 9.x

The connection between PC and LUXORIiving IP1 system control centre can be established in various ways. We recommend the connection via a router.

(i) We recommend the connection via a router.

5.1.1 Option 1 – Connection via a router

Connect PC (WLAN or LAN) and LUXORliving IP1 system control centre (LAN) with the router and switch on the power supply of the LUXORliving IP1 system control centre.

The LUXORliving IP1 system control centre is delivered with activated DHCP service and receives its IP address automatically from the router. After start-up, the IP address is displayed in the LUXORIiving IP1 display. If the router does not support DHCP, the IP address of LUXORIiving IP1 has to be assigned **manually**. Please find further information on this in the manual of the router.

In LUXORliving IP1, the IP address can be configured as follows:

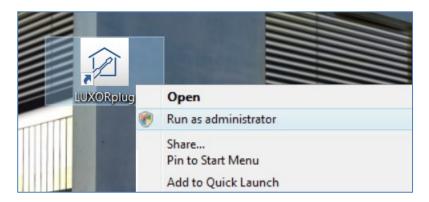
- \triangleright Press the " \downarrow " button and open the "IP Config" menu with the " \vdash " button.
- > Select the "DHCP" setting with the " \downarrow button.

- Set it to "Manual" with "[^], and confirm with "^{_} ". Now, you can set the IP address, subnet mask and gateway by using the arrow keys.
- > e.g. IP address 192.168.0.100/subnet mask 255.255.255.0/gateway 192.168.0.1

5.1.2 Option 2 – Connection without router using the DHCP service of LUXORplug

Via an integrated DHCP service in LUXORplug, an IP address can be assigned to the LUXORliving IP1 system control centre and the PC. This changes the network settings, which requires the appropriate access rights. When exiting LUXORplug, these settings will be undone.

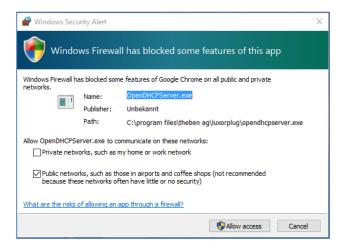
- Start the LUXORplug application "As an administrator"
- Simply right-click to the "LUXORplug"-Icon.



- > Confirm the ensuing message with "YES".
- \rightarrow After this LUXORplug will run in "Administrator mode".
- > Activate "Settings" "Direct connection to LUXORliving IP1" in the "File" menu.

(@, Theben LUXORplug File Help		- a ×
	theben LUXORplug	
Welcome to LUXORplug Please enter your project name! • ∘ ∘ →	Øg. LLXORIpskip X Settings X Language English Demo mode Image: Convection to LLXORIving IP1 Øg. LLXORIpskip X Select network dapter Piese select the adapter that is convected to the LLXORIving IP1 Adapter: Intel(R) Ethernet Connection 1219-LM Content	
	DK Gencel	

> Update the adapter settings and start the process with "OK".



Afterwards, an IP address will be assigned to the LUXORIiving IP1 system control centre as well as the PC.

If LUXORIiving IP1 has not received an IP address from the PC, LUXORIiving IP1 must be restarted, or the direct connection may have to be repeated.

5.1.3 Option 3 – Connection without router using manual network settings

- > Deactivate the WLAN connection at the PC.
- > Use a network cable to connect the PC directly with the LUXORliving IP1.

The PC normally obtains the IP address automatically via an existing network. Since no network is available, the IP address of the PC has to be set manually. This setting has to be made in the control panel.

The following settings interrupt possibly existing network connections. This might lead to a loss of data in open applications.

> Close all applications, before making these changes.

Example

- Open the file explorer (by using the shortcut Win + E), right click on "Network" and select "Properties".
- > In the new window, click on "Change adapter settings".
- \rightarrow A list with the connections of all network adapters will be shown.
- > Double click on the "Ethernet" connection and open "Properties".
- ▶ In a new window, double click on "Internet protocol, version 4 (TCP/IPv4)".
- > In the following window, activate the entry "Use the following IP address".
- Complete the fields below correctly.
 e.g. IP address 192.168.0.10/subnet mask 255.255.255.0/gateway 192.168.0.1

Undo these settings after finishing your activities in the LUXORIiving system and activate DHCP.

At LUXORliving IP1, the IP address has to be set manually as well:

- \succ Press the " \checkmark " button and open the "IP Config" menu with the " \rightarrowtail " button.
- > Select the "DHCP" setting with the " \downarrow " button, set it to "Manual" with " \uparrow " and confirm with " \downarrow ".
- Set the IP address, subnet mask and gateway by using the arrow keys.
 e.g. IP address 192.168.0.100/subnet mask 255.255.255.0/gateway 192.168.0.1
- \rightarrow The connection between PC and LUXORIiving IP1 is now established.
- > Start the LUXORplug application and start configuration.

5.2 Configuration with LUXORplug

For creating a project, the following steps have to be done:

- Project details (project name, address, etc.)
- Create building structure (floors and rooms)
- Create a device list (loading the system or creating the device list manually)

 \bigcirc Only if the last step is confirmed with (\rightarrow), the device list will be saved in the project!

- 🕨 Click on the 🎾 icon.
- \rightarrow The home page appears with the following information on the project:

File olp		theben LUXORplug	
Welcome to LUXORplug Please enter your project name!	Project New house Builder-owner	installer	
•••• →	Address	Notes	

5.2.1 "File" menu

In the "File" menu, several functions are available.

New project: Open project: Import project:	Create a new project Open an existing project Import a project file from LUXORIiving IP1
Previous projects:	List of previously edited projects
Save:	Saves the current project with the most recently selected filename and storage location
Save as:	Save the current project with the save dialogue (filename and storage location selectable)
Settings:	Set the menu language of LUXORplug, demo mode, activate direct link, change IP1 password and debug mode
Quit:	Quit and exit LUXORplug

New house* - Theben LUXORplu			×
Eile Help			
New project Strg+N Open project Strg+O Import project Recent projects	theben LUXORplug		
<u>S</u> ave Strg+S Save <u>a</u> s	r project Project New house Builder-ewner Instatter		
• • •	Address Notes		

Functions of the menu "File" - "Settings"

Demo mode

In demo mode, the connection to a system is simulated. This mode is used for displaying the LUXORplug functions and has to be disabled if there is an existing connection to a LUXORliving system.

Direct connection to LUXORIiving IP1

This function is used if LUXORliving IP1 is connected directly to the PC via a LAN cable. When activated, a DHCP service is started in LUXORplug, which automatically assigns an IP address to LUXORliving IP1 and to the PC. For this, the network settings of LUXORliving IP1 and PC must have activated the DHCP service.

Debug mode

Debug mode can be activated by clicking five times on the free space. Debug mode is used for troubleshooting in the configuration. You can find further information in the appendix.

Change LUXORIiving IP1 password

This is where you can change an existing password.



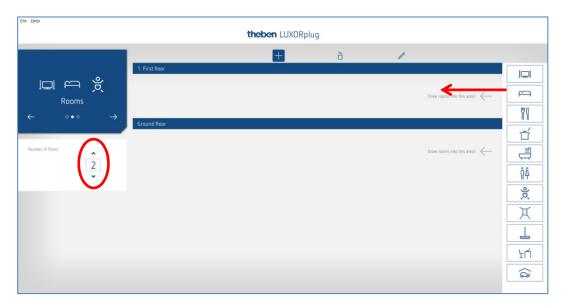
Change project password

This is where you can change an existing project password.

LUXORplug	>
Settings	
Language	English 🗸
Demo mode	0
Direct connection to LUXORIiving IP1	
LUXORIiving IP1 Password	

5.2.1.1 Define floors and rooms

By navigating with the arrow icons, you can go one menu step ahead (\rightarrow) or back (\leftarrow) . In the next step, you can define the number of floors and include the corresponding rooms on each floor.



Elle Help Home		t	heben LUXORp	ug			
I⊒I ← Š Rooms	Central services		+	õ			
Number of floors.	Corridor Ground floor	Bedroom	Bathroom	Children's room			
	Living room	Dining room	Kitchen	<u>Å</u> Lavatory	Corridor (1)	Storage room	

5.2.1.2 Further functions

- Add further floors or rooms
 Delete floors or rooms
 Edit floors or rooms
- Click on a room (e.g. bedroom)
- \rightarrow A choice of alternative icons for the respective room is displayed.



- In room view, place the cursor on a room. \geq
- The functions configured in this room are displayed. \rightarrow

Weather station		
1. First floor		
Ă	<u>ج</u>	
Corridor	Bedroom	Bathroom
Ground floor	2/2	
		വ്
Living room	Dining room	Kitchen

5.2.1.3 Load devices of the system

By navigating with the arrow icons, you can go one menu step ahead (\rightarrow) or back (\leftarrow) . In the next step, you can load the system.

igcup In order to do this, the PC must be connected to LUXORIiving IP1 and other LUXORIiving components. As an alternative, you can skip this step and create the device list manually.



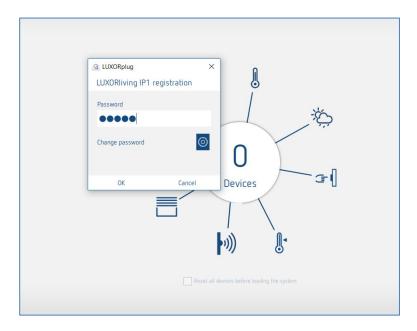
(i) Field "Reset all devices before loading the system".

If this function is activated, all detected devices will be reset, at first. This step should be performed if devices from another project are integrated in the system.

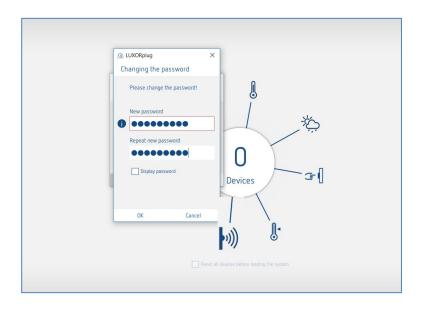


Click on the "Load system" field.

Before the connected LUXORIiving components are loaded automatically, the user is prompted to enter the password for the LUXORIiving IP1 system control centre. The default password is "admin".



For security reasons, LUXORplug prompts the user to change the password. The user can then create a new, secure password.²

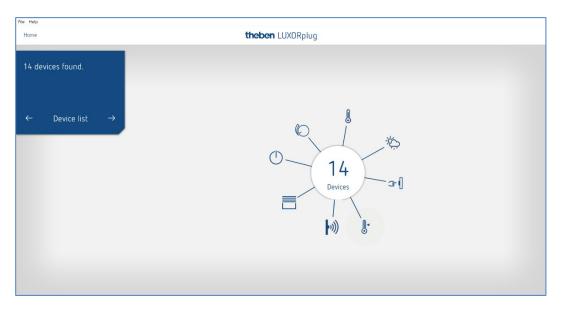


 $^{^2}$ In the LUXORplay app, the administrator has to authenticate themselves with this password in order to be able to create other users, define those users' rights and set individual passwords for each user.

If the password is forgotten, the LUXORliving IP1 system control centre will need to be reset with a master reset. This can be done directly at the device ("Reset" menu – "Master Reset"). Afterwards, the password can be created again via LUXORplug. The default password after a master reset is always "admin".

For security reasons, the new administrator password must be entered before the system is loaded each time and whenever the system is being programmed.

The connected LUXORliving components are then automatically loaded and shown in the device list.



Device list

devices found.	Provide the second s			
	Device	Туре	Name	
	LUXORIIving S4	0	Switch actuator 1	Q
	LUXORIIving D2	0	Dimming actuator 1	Q
	LUXORIIving J4	8	Blinds actuator 1	Q
	LUXORIIving H6	8.	Heating actuator 1	Q
	LUXORIliving T4	30	Push button interface 1	Q
	LUXORIIving T4	a •{	Push button interface 2	Q
	LUXORIIving 86	2(Binary input 3	Q
	LUXORIIving M140	谷	Weather station 1	Q
	LUXORIIving R718	8	Room sensor 1	Q

The arrangement of the devices in the left column (devices) can be adjusted by clicking, holding and moving.

5.2.1.4 Identify and name devices

Each device has to be clearly named, in order to be assigned to functions and rooms. For instance, each device can show the installation location, function or another identification.

For identifying the device inside the installation, the "magnifying glass" icon is used.

- > Click on the "magnifying glass".
- \rightarrow The red LED of the device flashes and allows an identification.
- If devices which are installed in a switch box are already fitted (e.g. button interfaces or flush-mounted actuators), the connected button can be pushed briefly 3 times. The "magnifying glass" icon then indicates the respective device. The identification can be finished by pressing the button again briefly.

Smart Home - Theben LUXORplug		- 0	I X
File Help			
Home		theben LUXORplug	
		+ õ 🖊	
14 devices found.			
TH OCHCCS TOURIO.	Device	Type Name	
	LUXORIiving S4	🕐 Switch actuator 1 🖉	
	LUXDRIIving D2	Dimming actuator 1	
	LUXORIiving J4	📑 Blinds actuator 1 🗸 🔍	

After all devices have been identified and clearly named, configuration can be completed with " \rightarrow ".

5.2.1.5 Create the device list manually

If the PC is not connected to the LUXORIiving system, or the LUXORIiving components are not linked with each other, the device list can be created manually. This function allows configuration, without the installation being already started or completed.

> Skip "Load system" and include the planned LUXORliving components in the device list.

The arrangement of the devices in the left column (devices) can be adjusted by clicking, holding and moving.

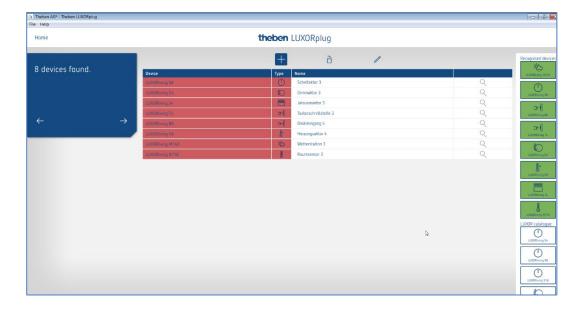
		••••	õ /	LUXOR catal
devices found.	Device	Type Na	me	
	LUXDRIving T4	3 *(P	ush button interface 1	
	LUXORIving T8	2*(P	ush button interface 2	
	LUXDRIIving D4	0 0	imming actuator 1	<u>م</u> (()
	LUXORIiving J8	В	linds actuator 1	Q LUXXXXXXXX
• • •	→ LUXDRIiving S8	() s	witch actuator 1	۹ Г р
				8.
				LLIXORioing

This device list can be used to continue configuration, and the individual functions of the added devices can be used inside the rooms.

It is absolutely necessary that the system is loaded, as soon as all LUXORIiving components have been installed and linked with each other.

After loading, the configured and found devices will be assigned. or identifying a device inside the installation, the list of the green-coloured device field on the right side is used.

Drag and drop this device then onto the corresponding red-coloured field in the device list and assign it to the appropriate functions.



If devices which are installed in a switch box are already fitted (e.g. button interfaces or flush-mounted actuators), the connected button can be pushed briefly 3 times. After that, **one of the green-coloured device fields on the right side flashes** and indicates the respective device.

- > Press the button again briefly.
- \rightarrow The identification will be finished again.



5.2.1.6 Search devices manually

In the "Device list" menu, you can also perform a manual search for devices that are not included in the configuration. These can be the following devices:

- 1. Devices with incompatible addresses
- 2. Devices programmed with the ETS
- 3. Devices to be replaced in the system
- 4. New devices to be added to the installation

	+	ă / 🕕		
Device	Туре	Name	Repeater	
LUXORliving S8	0	Switch actuator 1		Q
LUXORliving D4	0	Dimming actuator 1		Q
LUXORliving D1	0	Dimming actuator 2		Q
LUXORliving J1		Blinds actuator 1		Q
LUXORIiving H6	8.	Heating actuator 1		Q
LUXORIiving M140	*	Weather station 1		Q
LUXORliving R718		Room sensor 1		Q
LUXORIiving B6	3	Binary input 3		Q
LUXORIving T8	ə (Push button interface 1		Q
LUXORIiving T4	2 LUXORplug	×		Q
LUXORIiving T2		~		Q
LUXORIiving T8	(Q
	This specific sea which is not in fi start the search, OK	rch can find a product ctory default. In order to press OK. Cancel		

> The device found is displayed on the right side and can be added to the system.

	- č /	Recognised devi
Device	Type Name	Repeater LUXORINING R718
LUXORIiving S8	Switch actuator 1	Q LUXOR catalogue
LUXORIiving D4	Dimming actuator 1	
LUXORIiving D1	Dimming actuator 2	RF-Gerät uber Kamera einlesen
LUXORIiving J1	Blinds actuator 1	
LUXORIiving H6	Heating actuator 1	
LUXORIiving M140	لکے Weather station 1	LUXORIving S1 RF
LUXORIiving R718	Room sensor 1	
LUXORIiving B6	⊐r (] Binary input 3	Q LUXORIving 51
LUXORIiving T8	Gr (] Push button interface 1	
LUXORIiving T4		Q LUXORIving 54
LUXORIiving T2		
LUXORIiving T8	Ω	Q LUXORIIving S8
		UXXXRIving 516
	A device (LUXORIiving R718) has been found.	LLAXDRIMING D1 RF
		UDROBINING D1
	ОК	LUXXBBIVIng D2



5.2.2 Include functions

The Help thebo	en LUXORplug	
III — Š _{Rooms}	Smart Home	1
System	norma Norma	
) Diagnosis		

After the device list has been edited and completed, the **main menu** will be displayed.

- Click on the "Rooms" field.
- \rightarrow The building view will be opened and allows a room-based configuration of functions.

File Help		
Home	theben LUXORplug	
		Switch actuators Switch actuator 1 C3
		Switch actuator 1 C4
1. First floor		Dimming actuators
m		Dimming actuator 1 C2
		Blind actuators Blinds actuator 1 C2
Bedroom		Blinds actuator 1 C3
÷		Blinds actuator 1 C4
		Heating actuators
		Heating actuator 1 C2
Switching		Heating actuator 1 C3
		Heating actuator 1 C4
Dimming		Heating actuator 1 CS
	\rightarrow	Heating actuator 1 C6 Sensors
Blinds		Binary input 3 C1
		Binary input 3 C2
Heating		Binary input 3 C3
(S		Binary input 3 C4
		Binary input 3 C5
	Draw a function into this area!	Binary input 3 C6
		Push button interface 2 C2
Szeneauslösers		Push button interface 2 C3
		Push button interface 2 C4
Status		Room sensor 1 C1
		Room sensor 1 C2
		Room sensor 1 C3

> Click on the desired room, for instance the bedroom.

> Draw the desired function to the right and into the room.

me			theben LUXORplug		
	Switch fur	iction			Switch actuators
	ð		Trigger	> 6mg · · · ·	Switch actuator 1 C3 Switch actuator 1 C4
1. First floor	· ·····			Central Off	Sensors
~~~				Panic	Binary input 3 C1
B					Binary input 3 C2
Bedroom	Dimming	unction			Binary input 3 C3
-	õ	Dimming actuator	Trigger	> Grop +	Binary input 3 C4
	******				Binary input 3 C5
				Panic	Binary input 3 C6
	_				Push button interface 2 0
Switching	Blinds Fun	ction			Push button interface 2 0
	ð	Blinds actuator	đ	> 6mp +	Push button interface 2 0
Dimming 😥	·		Trigger		Room sensor 1 C1
			Door contact	1010	Room sensor 1 C2
Blinds					Room sensor 1 C3
	Heating fi	inction			Room sensor 1 E4
Heating	õ	Heating actuator	Sensor	> Group	
Szeneauslósers					

On the right side, devices appropriate for the selected function are displayed.

### 5.2.2.1 Switching

- Pull the appropriate channel, which is highlighted in grey (e.g. switch actuator 1 C1), of a switch actuator to the "Switch actuator" field.
- theben LUXORplug Edit actuator Name Ceiling lamp Switch actuator System nam õ Switch actuator 1 C2 Parameters Application Schalten  $\sim$ Switch-on delay (mm:ss) 00:00 🥒 00:00 🥒 Switch-off delay (mm:ss) Ok Cancel
- $\rightarrow$  The parameter window of this switch function is opened.

In the parameter window, the function can be named and various parameters can be set.

#### Applications

Switching: Cellar light:	Switching on/off with optional time delay Switching on/off with additional automatic switch-off after the set time (with switch-off pre-warning as an option)
Staircase light:	Switching on with automatic switch-off after the set time. (with switch-off pre- warning as an option)
Impulse:	Switching on with automatic switch-off after the set time

• Function after voltage recovery: Channels configured as basement and staircase light functions switch ON for the set time.

Afterwards, a "**trigger**" can be assigned to the switching channel. (A maximum of 8 trigger pairs can be assigned to one channel).

theben LUXORplug					
Heating function					
ð	Hest 🔞 LUXORplug		×	G	
	Edit sensor				
Blinds function	Name				
ð	Ceiling lamp				
	System name		×	Pi	
	Push button interface 1 C4		ò		
	Parameters				
	Туре	Taster	~		
Switch function					
ò	Swit			G	
	Flc			Cen	
				P	
Switch function	_				
	Swit			G	
ò	Ceil				
	ОК	Cancel		Cent	

In the parameter window, the function can be named and various parameters can be set.

Туре	
Button:	Toggling function with each press of the button
Motion detector:	"Switch" function (rising edge = On / falling edge = Off)

- Click on the "Group" field.
- $\rightarrow$  The window with the central and group functions is opened.

Heating function Heating actuator						
Heating	2 LUXORplug				- >	Group
Blinds function	Group switching					
Blinds actuator Blinds	Creating a new group			+		Group +
	New group name				ļ	Panic
	Corresponding groups			ò		
	Central Off			<b>√</b>	1	
Switch function	Panic			✓		
Switch actuator Floor lamp	Twilight	Mornings Off				Group
	Twilight	Evenings On			1	Central O
					3	Panic
Switch function						
Switch actuator Ceiling lamp					>	Group +
	ОК		Cancel			Central O
Dimming function	l					L _d Fallic

Here, the channel can be integrated into existing group functions, and own groups can be added. The thresholds for twilight functions can be set in the settings of the weather station.

A "trigger", e.g. the channel of a button interface, can be drawn on a group function and thus be triggered with this participant.

ig function					
	Heating actuator	2 LUXORplug		×	- >
	Heating	Group switching			
function		Group switching			
	Blinds actuator	Creating a new group		+	7 >
	Blinds				
		New group name			
		Corresponding groups		ò	
		Central Off	Push button interface 2 C2	<ul> <li>Image: A start of the start of</li></ul>	
function			rush button interface z cz		
Tunction	Switch actuator	Panic		<ul><li>✓</li></ul>	
	Floor lamp	Twilight	Mornings Off		> -
		Twilight	Evenings On		
					1
function					
	Switch actuator				
	Ceiling lamp				-
		ОК	Cancel		1
na function					

### 5.2.2.2 Dimming

- > Pull the appropriate channel of a dimming actuator to the "Dimming actuator" field.
- $\rightarrow$  The parameter window of this dimming function is opened.

Status fun	ction					
à			Trigger			
	Temperature	LUXORplug	Push button 1		×	
Status fun	ction	Edit actuator				
ò	Stat Gal	_{Type} Dimming actuator				
Switch fun		System name Dimming actuator 1 C1			ò	
ò	Switch a RF switch ac	On/Off symbols				Group +
		On			- <u>Š</u> -	Central Off Panic
Dimming f	unction	Off			Q	Fallic
õ	Dimming	Parameters				Group
	Dimming acl	Load selection		Auto	~	+
		Dimming time		6	js ∨	Central Off Panic
Blinds fund	tion	Minimum dimming value		10	% ✓	
ò	Blinds ac RF blind act	Switch-on value	Value before	e the last switch	-off 🗸	Group +
		ОК		Cancel		Panic
			Trigger			

In the parameter window, the function can be named and various parameters can be set.

Load selection	
Auto:	The connected load type is automatically detected by the dimming channel.
Inductive:	Dimming channel operates with leading edge control
RC load (LEDs):	Dimming channel operates with <b>trailing edge control</b>
	No load detection active!
	Do not connect inductive loads!
ESL-L and ESL-RC:	Settings for dimmable energy-saving lamps / Compact fluorescent lamps
Dimming time:	The dimming time defines the dimming speed for the complete dimming range 0 $\dots 100~\%$
Minimum dimming value	e: Adjustment to the connected lamp. If the
	lamp flickers, e.g. with dimming values < 10 $\%$ , the minimum dimming value has to be limited to 10 $\%$ .
Switch-on-value:	Selection of the switch-on value. The value can be set from 10 % - 100 %; also the value before switching off or the minimum value can be set.

Afterwards, a "trigger" can be assigned to the dimming channel. (A maximum of 8 trigger pairs can be assigned to one channel.)

	theben LU	XORplug	
Heating funct	tion		
ð	Heet LUXORplug	×	<
Blinds functio	Edit sensor		
ö	Bin Name Lamp Couch		
	Type Push button		
	System name Push button interface 2 C1		
Switch function	on <u>Swit</u> Fic		
Switch function	on		
ò	swit Ceil		
	ОК	Cancel	
Dimming fund	tion		
Ä	Dimming actuator	Trigger	

In the parameter window, the function can be named.

- Click on the "Group" field.
- $\rightarrow$  The window with the central and group functions is opened.

	thebe	n LUXORplug			
Heating function					
Heating actuator Heating	😰 LUXORplug		×	>	Grou
Blinds function	Group switching				_
Blinds actuator Blinds	Creating a new group		+	] >	Group +
	New group name			1	Pani
	Corresponding groups		ò		
	Central Off		<b>~</b>	1	
Switch function	Panic		<b>~</b>		
Switch actuator	Twilight	Mornings Off		}	Group +
	Twilight	Evenings On			Central
				1	Pani
Switch function					
Switch actuator Ceiling lamp	_			}	Group +
					Central
	ОК	Cancel		1	Pani
Dimming function					
Dimming actuator		Trigger Lamp Couch		-	Group +

Here, the channel can be integrated into existing group functions, and own groups can be added. The thresholds for twilight functions can be set in the settings of the weather station.

A "trigger", e.g. the channel of a button interface, can be drawn on a group function and thus be triggered with this participant.

### 5.2.2.3 Blinds

- > Pull the appropriate channel of a blinds actuator to the "Blinds actuator" field.
- ightarrow The parameter window of this blinds function is opened.

	theben LUX	ORplug	
Heating funct	lion		
ð	Heat H 2 LUXORplug	×	Group
Blinds functio	Edit actuator		
	Bin Name		Group
õ	Blinds		+
	Type Blinds actuator		Panio
	System name Blinds actuator 1 C1	ő	
Switch function	on Parameters		
ð	Swite Application	Blinds ~	Group +
	Runtime (mm:ss)	00:30 //	Central
Switch function	Time for a turn	0.4 s 🗸	Panio
	swe Participation wind alarm		Group
ò	Ceil Wind threshold	Threshold 1 🗸	+ Central
	ОК	Cancel	Pani
Dimming fund	tion		
	Dimmino actuator		Group

In the parameter window, the function can be named and various parameters can be set.

2 LUXORplug	×
Edit actuator	
Parameters	
Application	Blinds 🗸
Runtime (mm:ss)	00:30
Time for a turn	0.4 s 🗸 🗸
Participation wind alarm	
Wind threshold	Threshold 1 V
Participation in frost	
Response to frost	Close 🗸
Participation in rain	
Response to rain	Close ~
ок	Cancel

#### Application "blinds"

For each blinds channel, the entire runtime, the time for a turn (step), as well as the participation in functions of the weather station can be set individually.

#### Application "roller blinds"

2 LUXORplug	×
Edit actuator	
System name	Ň
Blinds actuator 1 C1	
Parameters	
Application	Blinds 🗸
Runtime (mm:ss)	00:30 🧷
Participation wind alarm	
Wind threshold	Threshold 1 V
Participation in frost	
Response to frost	Close ~
Participation in rain	
Response to rain	Close 🗸
ок	Cancel

For each roller blind channel, the entire runtime, as well as the participation in functions of the weather station can be set individually.

#### Application "awning"

2 LUXORplug	×
Edit actuator	
System name	ñ
Blinds actuator 1 C1	
Parameters	
Application	Awning 🗸
Runtime (mm:ss)	00:30 🥒
Tighten fabric	
Participation wind alarm	
Wind threshold	Threshold 1 V
Participation in frost	
Response to frost	Close ~
Participation in rain	
	Grand
OK	Cancel

For each awning channel, the entire runtime, a canvas tightening, as well as the participation in functions of the weather station can be set individually. For an awning, the response to one of the alarm functions is: "Close" = "Extend awning".

Afterwards, a "trigger" can be assigned to the awning channel. (A maximum of 8 trigger pairs can be assigned to one channel.)

	theben LUX0	)Rplug	
Heating function			
<u>۳</u>	H 2 LUXORplug		× Group
Blinds function	Edit sensor		
	in Name		Group
Ò	Blinds		+
	Type Push button System name Push button interface 1 C1		Panic
Switch function	Push button Interrace T C I		
8	vit		Group +
			Central ( Panic
Switch function			
<u>s</u> ۵			Group +
			Central (
	ОК	Cancel	Panic
Dimming function			
Dir	nming actuator	Trinner	> Group

For controlling blinds, roller blinds, or an awning, two inputs are necessary (Up/Down). This input pair will be assigned automatically. The first trigger that is assigned must have an odd channel number (C1, C3, C5, C7), and the second trigger will be added automatically (C2, C4, C6, C8).

Consider the following when installing the buttons at a button interface: Button/command UP = C1, C3, C5 or C7 Button/command DOWN = C2, C4, C6 or C8

- ➢ Click on the "Group" field.
- ightarrow The window with the central and group functions is opened.

theben LUXORplug						
Heating function						
ö	Heating actuator Heating	2 LUXORplug		×	- >	Group
Blinds function		Group switching				
õ	Blinds actuator Blinds	Creating a new group		+	>	Group
		New group name				Panic
		Corresponding groups		ò		
		Panic		✓	1	
Switch function		Sun protection	Sensor front			
õ	Switch actuator Floor lamp	Sun protection	Sensor right		-	Group
		Sun protection	Sensor left			Central Off
		Sun protection	Maximum value		;	Panic
Switch function		Twilight	Mornings Up			
ò	Switch actuator Ceiling lamp	Twilight	Evenings Down		-	Group +
		ОК	Cance	1	[	Central Off Panic
Dimming function						

Here, the channel can be integrated into existing group functions, and own groups can be added.

The thresholds for sun protection or twilight function can be set in the settings of the weather station.

A "trigger", e.g. the channel of a button interface, can be drawn on a group function and thus be triggered with this participant.

### 5.2.2.4 Heating with LUXORliving H1, H1 RF, H6, H6 24V

- > Pull the appropriate channel of a heating actuator to the "heating actuator" field.
- $\rightarrow$  The parameter window of this heating function is opened.

			theben LUXORpl	ug	
	Heating function				
					Group
	Ö	H 🖄 LUXORplug		>	+
	Switch function	Edit actuator			
		wit Name			Group
	Switch	Heating			+
		Туре			Central Off
		Heating actuator			Panic
_	Blinds function	System name		×	
	×	Heating actuator 2 C	1	$\tilde{\Box}$	Group
	Blind	Parameters			Panic
		Control for		Heating ~	Fallic
	Switch function	Heating installation t	уре	Radiator 🗸	
	Switch	Valve actuation		Switch output 🗸	Group
	Jwite				Central Off
					Panic
	Dimming function				
		OK		Cancel	Group
	<u>×</u>	ng actuator 1 C1	Trigger		+
					Central Off
					Panic

In the parameter window, the function can be named and various parameters can be set.

The control supports the operating mode "Heating", as well as "Heating and cooling". The installation type can be set for each operating mode.

#### Installation type heating:

Radiator: For fast acting heating systems, such as radiators or blower heaters Floor: For slow acting heating systems, such as water-using underfloor heatings

#### Installation type cooling:

Cooling ceiling: For slow acting cooling systems, such as water-using cooling ceiling Fan coil: For fast acting cooling systems, such as fan coil unit

**Valve control** (only when using a LUXOR H6 24 V heating channel): Switch output: For standard 24 V actuators. 0-10 V: For actuators with 0-10 V control.

#### Pump relay (only with LUXOR H6 24 V):

The pump relay switches on as soon as a channel has received an actuating value > 0 %. The pump relay switches off again with a delay of 5 minutes after the last channel has received an actuating value = 0 %.

Each heating channel uses a PWM time of 10 min.



### 5.2.2.5 LUXORliving R718 room sensor, iON 2/4/8

	theben LUXOR	tplug	
Heating function			
õ	LUXORplup	×	Group
Blinds function	Edit sensor		
6	Name Room temperature sensor		8000 +
	Type Room sensor		Panic
	System name Room temperature sensor 1	õ	
Switch function	Parameters ≫ Fic Min, setpoint	10 °C 🗸	6mp +
	Max. setpoint Calibration value	30 °C ~	Central Off Panic
Switch function			tener + Central Off
	OK	Cancel	Panic

In the parameter window, the function can be named and various parameters can be set.

Apart from limiting the minimum and maximum permissible set temperature, a room calibration can be performed. Room calibration allows a subsequent adjustment of the temperature measurement.

In addition, the LUXORliving R718 room sensor has 4 binary inputs (sensors), which can also be used as triggers for a function.

#### Function of LEDs on the device (only LUXORliving R718)

Display on LED 1 (above the rotary control):

- Heating/not heating = red (setpoint > actual value, when heating),
- Cooling/not cooling = blue (setpoint < actual value, when cooling)

Display on LED 2 (under the rotary control):

If a received setpoint, e.g. transmitted via LUXORplay, differs from the set setpoint, this is indicated on the device by LED 2 lighting up orange. If the setpoint value was previously set using the rotary control, LED 2 lights up green.



The LEDs can be switched off via a button, the button is located at LED 2.



### 5.2.2.6 "Favourites" function of LUXORliving iON8

When using the iON8 room sensor, there is a favourite option. If the room sensor is set as a favourite, the device display changes to room controller mode after one minute (only for favourite A). If this is not desired – for example, if other functions have been selected as favourites – you can switch to the room controller mode by pressing and holding the left button.

System name ION8	× □
Parameters	
Min. setpoint	5 °C 🗸
Max. setpoint	32 °C 🗸
Calibration value	0 K 🗸 🗸
Favorit	

As mentioned above, not only a room sensor can be set as a favourite, but also all other 10 functions of the iON8. By pressing and holding the right or left button on the iON8 (when the room sensor is not in use), you can switch between the two favourites A and B. A short button press exits the favourites menu.

Favorit	☆☆
Headline	Swiching
Short press	Top change over / Bottom change over $~ \sim$
Text for ON	ON
Text for OFF	OFF

Favorit	☆☆
Headline	Dimming
Response to long / short	Top brighter/change over Bottom /darker/change over



## Temperature measurement via LUXORliving (without room sensor)

		theben LUXORplug		
Heating function				
ő	Heating actuator Heating	Sensor Temperature sensor	>	Group
Blinds function				
č	Blinds actuator	2 LUXORplug		× Group
	Blinds	Edit sensor		+
		Name		anic
		Temperature sensor		
		_{Type} Push button		
Switch function		System name	~	
ò	Switch actuator	Push button interface 2 C3	$\square$	Group
	Floor lamp	Parameters		+ tral Off
		Calibration value	0 K 🗸	
Switch function				
	Switch actuator			Broup
Õ	Ceiling lamp			+
				tral Off
				anic
Dimming function				
<u>à</u>	Dimming actuator	OK	Cancel	Broup

In the parameter window, the function can be named and a room calibration can be set. Room calibration allows a subsequent adjustment of the temperature measurement.

When measuring the temperature, the desired set temperature can only be set via the LUXORplay app. For temperature measurement, the following temperature sensors can be connected to the inputs: floor sensor (9070321), temperature sensor IP 65 (9070459), temperature sensor UP (9070496)

These devices enable temperature measurement via the following channels:

Device name	Channel
LUXORliving T4	C3, C4
LUXORliving T8	C3, C4
LUXORIiving S1 TP/ RF	C2
LUXORIiving J1 TP/ RF	C2
LUXORIiving D1 TP/ RF	C2
LUXORIiving H1 TP/RF	C2
LUXORIiving T4 RF	Room sensor (°C)



## Change over heating/cooling

- ➢ Click on the "Group" field.
- $\rightarrow$  The window with the central and group functions is opened.

	theber	LUXURPIUG		
Heating function				
Heating actuator	🖸 LUXORplug		× - >	Group
Blinds function	Group switching			
Blinds actuator Blinds	Corresponding groups		ð [-	Group +
	Heating/cooling			Panic
Switch function Switch actuator Floor lamp			>	Group + Central Off Panic
Switch function Switch actuator Ceiling lamp	ок	Cancel		Group + Central Off Panic
Dimming function				

In control type "Heating and cooling", a "trigger", e.g. a channel of a button interface, can be drawn on the "Heating/cooling" group function, and the configuration type can be set.

	theben LU	XORplug	
Heating function			
à	Heat H 2 LUXORplug	×	Group
	Edit sensor		Heating/cooling
Blinds function	Name		
à	Binary input 3 C2		Group
	Type Push button		+ Panic
	System name Binary input 3 C2	ă	C
	Parameters		
Switch function	Action if contact is closed Fic	Heizen 🗸	Group + Central Off Panic
Switch function	Swet		Group +
	ОК	Cancel	Central Off
	·		Panic
Dimming function			



## 5.2.2.7 Grouping the heating actuator channels

You can control multiple heating channels with one room or temperature sensor via the group function.

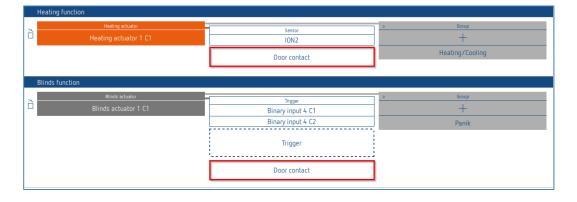
The user creates a new group, defines a sensor as a trigger (by linking the group to a sensor) and allows the required channels to be part of this group (by ticking the box). The participating channels are now controlled by a sensor.

Heating function				
Heating actuator Heating actuator Heating actuator 2 C1	谊 LUXORplug		×	→ Group +
	Group switching		-	Heating group
Heating function	Creating a new group		+	
Heating actuator Heating actuator 2 C2	New group name			> Group +
	3			Heating group
Heating function	Corresponding groups		ò	
Heating actuator 2 C3	Heating/cooling			> Group +
	Heating group	Room temperature sensor 1	•	Heating group
Heating function				
Heating actuator Heating actuator 2 C4				> Group +
			i.	Heating group
Heating function				
Heating actuator Heating actuator 2 C5			1	> Group +
Heating function	OK	Cancel	2	
Heation actuator				> Group
Heating actuator 2 C6	<u> </u>	Sensor		+

The red box shows the channels participating in the "Heating group", which is linked to a room sensor.

## 5.2.2.8 "Door contact" function

It is possible to connect each channel of the heating actuator and/or each channel of a blind actuator to a door contact. For this purpose, our tactile sensors are used, which are simply drawn into the "door contact" field (except for the T4 RF and iON devices). It is also possible to use the same window contact for both the heating function and the blind function.



#### Heating channel door contact

When the door or window is opened, the actuator switches to frost protection mode (6 °C). This interrupts heating for as long as the door/window is open. Any number of door contacts may be added.

#### Blinds channel door contact

The door contact prevents automatic travel with an open door or window. The following functions are blocked: switching times, scenes, sun protection, and twilight. Manual operating commands (up/down) and alarm functions (e.g. wind, rain, frost) are executed unchanged even when the door is open.

Only one window contact per channel may be assigned.

2 LUXORplug	×
Edit sensor	
Name	
Doorcontact	
Type Push button	
System name Binary input 4 C3	$\square$
Parameters	
Action if contact is closed	Door open 🛛 🗸
ОК	Cancel

The setting "Operation with closed contact" depends on the contact used (NO contact (NO) or opening contact (NC)).

All connected door contacts are stored separately in LUXORplug and can be used several times, or with additional heating and blinds channels.

Door contacts				
Binary input 4 C1				
Push button interface 5 C1				
RF switch actuator 3 Input C1				

igcup The window contacts that are already assigned in one room cannot be used in another room.

### Door and window contacts in LUXORplay

Each open door contact is also shown in our LUXORplay visualisation: By pressing the "Caution" icon, the rooms in which the windows are open are displayed.



### 5.2.2.9 Scene

The scene function can be used to assign inputs, e.g. a channel of a button interface, for triggering saved scenes.

The participants and operations of the scenes are completely added and configured in the LUXORplay app.

After adding a scene trigger, a trigger (e.g. a channel of a button interface) can be connected.

	•	ICOCH LONORPHUG		
	Blinds actuator Blinds	Trigger Blinds Blinds	>	G Pa
Switch function	Edit sensor Name Push button interf	iace 2 C2		
ð	Switch act Floor Is System name Push button interf			Cent
	Switch act Ceiling I			G 
× .	Pinning as Lamp Co		Cancel	G Cent Pa
Szeneauslösers				
	Szeneauslösers sers 1 Living room	Trigger Push button interface 2		

### 5.2.3 Status

The "Status" function object can be used to visualise a switching status or a temperature in the LUXORliving app.

The "Type of status" parameter can be used to select whether a status On/Off or a temperature is to be displayed.

For the selection of status On/Off, a text can be entered for "Closed contact" and "Open contact".

For the selection of value (temperature), a text for the unit can be entered. These texts will be displayed in the LUXORIiving app for the respective status or the unit.

All triggers not yet used can be linked as status triggers (inputs of e.g. push button interfaces, binary inputs and flush-mounted actuators).

Setch actuator	_		a line		actuators	
RF switch actuator 1 C1		Trigger RF push button interface 3 C3	+	Switz	Switch actuator 2 C1 Switch actuator 2 C2	
				Off		
	i	Trigger	Panic		Switch actuator 2 C3	
					witch actuator 2 C4	
	JXORplug	×	LUXORplug	×		
RF blind actuator	t status	-	Edit status		Binary input 2 C1	
Nam		-	Name		Binary input 2 C2	
1000	atus name	1	Status name		Binary input 2 C3	
					Binary input 2 C4	
Sta	atus type	On/Off Status	Status type	Value (temperature) 🗸	Binary input 2 C5	
	t when contact is				Binary input 2 C6	
Heating function Op		E.g. Gate closed	Unit		Push button 1 T1	
Holize adults		-			Push button 1 T2	
Heating actuator	kt when contact is sed	E.g. Gate open			Push button 1 T3	
00	560				Push button 1 T4	
			-		Push button 1 T5	
Status function					Push button 1 T6	
					Push button 1 T7	
O Status		2			Push button 1 T8	
					Push button 1 T9	
					Push button 1 T10	
					h button interface 1 C1	
	OK	Cancel	OK	Cancel	ush button interface 1 C2	
				P	ush button interface 1 C3	
				P	ush button interface 1 C4	

#### View in LUXORplay

💼 LUXORplay	-	
← 1. First floor / Li	ving ro	om 🧷
Temperature Livingroor 23,0	Π	j
Gate closed		j
<ul> <li>RF switch actuator 1 C</li> <li><i>w</i></li> </ul>	1	-\̈́Q
RF blind actuat ⊙ 50	1% A	↑ Ab uf ↓
Heating actuator 1 C1		

## 5.2.4 Weather station

If a weather station was loaded or added to a device list, it will be displayed in the room view under "Central services".

Eile Help							
Home		t	heben LUXORpl	b D			
	Central services		+	ő	1		
I⊒I ← 😤 _{Rooms}	Weather station		_	_		_	
	Corridor	Bedroom	Bathroom	Č Children's room			
	Ground floor	<b>T</b> Dining room	Kitchen	<mark>ÅÅ</mark> Lavatory	Corridor (1)	Storage room	

- > Click on the "Weather station" field.
- $\rightarrow$  The parameter window is opened.

The following functions can be set:

Wind	Threshold 1 and threshold 2
Frost	Temperature and hysteresis
Twilight	In the morning OFF, in the evening ON, in the morning UP, in the evening
	DOWN
Sun protection	Sensor at front, sensor right, sensor left, maximum value
	(The sensor names can be edited and are also displayed in the
	LUXORplay app).

## 5.2.4.1 Wind

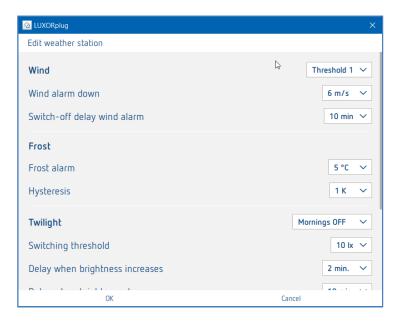
2 LUXORplug	X
Edit weather station	
<b>Wind</b> Wind alarm down Switch-off delay wind alarm	Threshold 1 → Threshold 1 Threshold 2 10 min →
<b>Frost</b> Frost alarm Hysteresis	5 °C ∨ 1 K ∨
Twilight Switching threshold Delay when brightness increases	Mornings OFF V 10 lx V 2 min. V
ОК	Cancel

For each wind channel (threshold 1 and threshold 2), wind speed and switch-off delay can be set individually. The wind speed has to be set after consulting the technician or manufacturer of the hangings.

A larger switch-off delay minimizes the frequency of travel and thus provides a calm facade. Participation and operation in case of wind alarm can be set for each blinds function individually in room view.

In the event of a wind alarm, the assigned drives travel upwards to the end position. During the active wind alarm, all operating commands will be ignored.

## 5.2.4.2 Frost and rain



The "Frost" function prevents the automatic lowering of hangings when there is a risk of frost and allows the performance of a defined action in case of frost alarm. Participation and operation in case of frost alarm can be set for each blinds function individually in room view.

In the event of a frost alarm, the assigned drives behave according to the setting (travel up, travel down, no travel). During the active frost alarm, all operating commands will be ignored.

In the event of a rain alarm, the assigned drives behave according to the setting (travel up or travel down). During the active rain alarm, all operating commands will be ignored.

When the alarm has ended (in case of wind, frost, rain), each hanging responds according to the set parameters "Behaviour after wind alarm, frost and rain".

#### As before the alarm:

The hanging is back in the position that was set before the alarm. Commands in the meantime (automatic functions such as time control or shading) during the active alarm will be ignored and not tracked.

#### Update (height/slat):

The hanging is back in the position that was previously received on the height/slat objects. This could, for example, be the last position of the shading, or the position previously set using the slider in the LUXORplay app. If the hanging was moved to the corresponding position by using a button before the alarm, this position will be ignored.

#### No response:

The hanging remains in the position that was set when the alarm was activated.

## 5.2.4.3 Twilight

Twilight	Mornings OFF V
Switching threshold	10 lx 🗸
Delay when brightness increases	2 min. 🗸
Delay when brightness decreases	10 min. 🗸

The "twilight" function includes four different dimming functions. In room view, each of these functions can be assigned individually to the switch, dimming, and blinds functions.

In the morning OFF:	This function can be used in connection with switch and dimming functions and allows an automatic switch-off if the set brightness value is exceeded.
In the evening ON:	This function can be used in connection with switch and dimming functions and allows an automatic switch-on if the brightness value falls below the set value.
In the morning UP:	This function can be used in connection with blinds functions and allows an automatic up travel (to the upper end position) if the set brightness value is exceeded.
In the evening DOWN:	This function can be used in connection with blinds functions and allows an automatic down travel (to the lower end position) if the brightness value falls below the set value.

For each function, the brightness threshold and the delay times can be set individually.

## 5.2.4.4 Sun protection

2 LUXORplug	X
Edit weather station	
Light sensors	
Sensor front	name of the sensor
Sensor right	name of the sensor
Sensor left	name of the sensor
Maximum value	name of the sensor
Sun protection	Sensor front 🗸 🗸
Switching threshold	40000 lx 🗸
Height position (%)	100% ~
Slat position (%)	50% ~
ОК	Cancel

The "Sun protection" function includes four different functions. In room view, each of these functions can be assigned individually to the blinds functions.

Sensor at front:	The sensor at the front of the weather station detects the brightness and
	carries out, for instance, the automatic shading control of the south facade.
Sensor right:	The sensor at the right side of the weather station detects the brightness and
	carries out, for instance, the automatic shading control of the east facade.
Sensor left:	The sensor at the left side of the weather station detects the brightness and
	carries out, for instance, the automatic shading control of the west facade.
Maximum value:	All three sensors of the weather station detect the brightness. As soon as the measurement value of one of the sensors exceeds the set switching threshold, the set positions are approached.

For each function, the position "height" and "slat" can be set in percentage values. The delay times are non-adjustable (exceeding: 3 minutes, falling below: 20 minutes).

If the brightness threshold for the shading is fallen below after 20 minutes, the hanging will move up.

# 5.3 LUXORliving RF

### 5.3.1 General notes and installation

The LUXORliving RF1 media coupler serves as the basic wireless device; it connects wireless devices with devices in the wired TP system. The power supply of the media coupler is provided by the bus voltage.

The installation of the media coupler is a flush-mounted installation, for example in a standard flush-mounted box. When selecting the installation location, the range of the wireless devices must be taken into account. Ranges of approx. 30 m are possible within the building when conditions are favourable.

All LUXORliving RF devices feature a configurable repeater function, i.e. received telegrams can be retransmitted if required, in order to increase the range.

In systems with several LUXORliving RF devices, we recommend using as few LUXORliving RF media couplers as possible. If possible, only one LUXORliving RF media coupler should be present in the system and installed centrally so that all LUXORliving RF devices are within reception range. To optimise the range, individual RF devices can be used as "repeaters", so even more distant RF devices can be reached.

If still two or more media couplers are used in a system, the media couplers must be within range of each other. This is absolutely necessary for collision-free communication (LBT = Listen Before Talk). If this is not the case, proper and error-free wireless communication is not guaranteed.

### 5.3.2 Configuration/start-up of RF components

In contrast to TP devices, RF devices <u>cannot</u> be found using the "Read in devices" procedure (except for the LUXORliving RF1 media coupler). Therefore, there are two ways to integrate the RF devices into the system.

#### Drag devices manually from the catalogue to the device list:

- > Drag and drop an RF device or an RF media coupler from the catalogue to the device list.
- Enter serial number and FDSK manually.

In the "System" view, the catalogue opens via the "+" sign.

	+ õ	/ ( ¹ )			LUXOR catalogue
Device	Type Name		Repeat	er	Load RF device via
LUXORIiving S8	Switch actuator	1		Q	camera
LUXORIiving D4	Dimming actuate	or 1		Q	
LUXORIiving D1	🖄 LUXORplug 🛛 🗙	2		Q	
LUXORIiving J1	Enter RF device information			Q	LUXORIVING S1 RF
LUXORIiving H6				Q	
LUXORIiving M140	Serial number			Q	LUXORIIving S1
LUXORIiving R718	\$			Q	
LUXORIiving R718	Security key			Q	LUXORIIving S4
LUXORIiving B6				Q	
LUXORIiving T8	Please enter a valid serial number.	ce 1		Q	LUXORIIving 58
LUXORliving T4	The entered security key is not complete.	ce 2		Q	()
LUXORIiving T2	tõi	ce 4		Q	LUXORIving S16
LUXORIiving T8	OK Cancel	ce 5		Q	0
LUXORIiving TP/RF KNX	() Media coupler 1			Q	LUXORIving D1 RF
					LUXORIving D1

#### Read in the device via the QR code:

Each RF device has a QR code on the bottom side, which can be read using the "**Read RF device** via camera" function. The function is dragged into the device list; the camera window opens.

Hold the QR code in the camera until the device is detected. The serial number and the FDSK (Factory Default Setup Key) are automatically recognized and entered.

Device		Туре	Name		Repeater		
LUXORIiving S8		$\bigcirc$	Switch actuator 1			Q	Load RF device via camera
LUXORliving D4		0	Dimming actuator 1			Q	
LUXORliving D1		0	Dimming actuator 2			Q	
LUXORIiving J1			Blinds actuator 1			Q	LUXORIving S1 RF
LUXORIiving H6		8.	Heating actuator 1			9	
LUXORIiving M140		谷	Weather station 1			Q	LUXORIVING S1
LUXORIiving R718			Room sensor 1			Q	()
LUXORIiving R718			Room sensor 2			Q	LUXORINING S4
LUXORIiving B6		3-(	Binary input 3			Q	$\bigcirc$
LUXORIiving T8		<b>3</b> •(	Push button interface 1			Q	LUXORIIving S8
LUXORliving T4		31	Push button interface 2			9	$\bigcirc$
LUXORIiving T2		3-(	Push button interface 4			Q	LUXORIIving \$16
LUXORIiving T8		<b>F</b> [	Push button interface 5			Q	0
LUXORIiving TP/RF KNX	0	-))	Media coupler 1	Load RF device via camera		Q	LUXORIving D1 RF
			+	ſm			LUXORIIving D1



> To read in another device, select "OK". By pressing "No" the reading will be ended.

Now, the functions can be created and linked in the respective rooms as with conventional sensors/actuators.

The addressing or assignment of the RF domain of the LUXORIiving RF devices is not carried out until programming.

### Info KNX/RF coupler

A coupler can only be integrated into the system via the "Read in system" option or via the manual search (hand symbol). Thereby, a domain address will be assigned to it. Via this, the RF devices assigned to the coupler can communicate with each other.

Devices which have already been programmed with a project **cannot** be used in a new project. During programming, the FDSK is replaced by a toolkey. Thus, the FDSK becomes invalid. The device receives its FDSK again via a master reset. The device can then be transferred to a new project.



(i) Performing a master reset

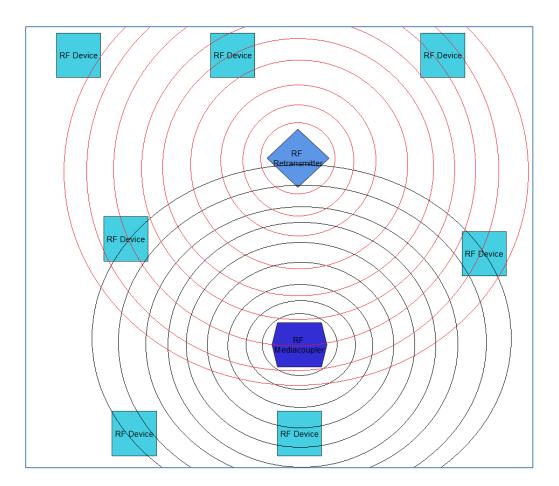
- De-energise the device.
- Press and hold the Ph. address key on the device.
- While the key is held, switch on the power again. After approx. 2 s the button can be released. The LED goes out.



igcup If a Master reset must be performed on the coupler, the button is not released until the reception LED lights up.

#### "Repeater" function

It is possible to use each RF device additionally as a repeater, to amplify the RF signal in the system (parameters in the device list). However, it is **not advisable** to activate the function **on each device** in the system. The picture shows which device is suitable to be configured as a repeater in the system. It is therefore essential to know the topology of the devices and to use the "repeater" function in a targeted manner. The circles in the picture represent the field strength in the system.



### Project password

If a project contains devices with encrypted communication, a project password is required. This project password protects the keys for communication and must be entered when opening the project file. The password can be changed at any time under "Settings".

2 LUXORplug	$\times$
Backing up project data	
A project password is required for safe start-up and communication. Enter project password	
Repeat project password	
••••••	
Display password	
ОК	

Currently, only the RF components support encrypted communication.

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# 5.4 Programming with LUXORplug

After the functions have been assigned to the rooms and set, the system can be programmed. This step is possible any time, even if only single functions have been added.

> For programming, open the **main menu**.



- Click on the "System" field.
- $\rightarrow$  The submenu is opened.

Smart Home - Theben LUXORplug		<b>b</b>		- a x
Home		theben LUXORplug		
	Device	Туре	Name	
	LUXORIIving S4	0	Switch actuator 1	
$\sim$	LUXORIiving D2	0	Dimming actuator 1	
	LUXORIiving J4	8	Blinds actuator 1	
	LUXORIIving H6	8	Heating actuator 1	
	LUXORIiving T4	<b>P</b>	Push button interface 1	
	LUXORIIving T4	34	Push button interface 2	
	LUXORIiving B6	æ(	Binary input 3	
	LUXORIiving M140	\$	Weather station 1	
	LUXORIving R718		Room sensor 1	
Set system				
ightarrowPrepare LUXORplay				
/ Set interface				

> Click on the "Program system" field and then on "Start".

Here, you can also overwrite devices which have been installed, but not yet included in your project. This ensures that these devices do not disturb the functions included in the project.

Smart Home - Theben LUXORplug		- a x
File Help Home	theben LUXORplug	
THOME	Cheven Loxonpilog	
$\checkmark$		
← ^{System}		Program system
Â		
Program system		
		Start
$\checkmark$		
Set system		Overwrite devices that are not present in the configuration
$\rightarrow$		
Prepare LUXORplay	ß	
/		
Set interface		

At the first time, programming will take a little longer, since all device parameters have to be transferred. Subsequent programming is faster. Successful programming will be acknowledged.

After successful programming, the configured functions are available in the system.

Before programming, the firmware version of the IP1 will be checked automatically. If a new version is available, the firmware of the IP1 will be updated automatically before programming (duration approx. 2 minutes). For this purpose, the Admin password has to be entered. After the update, programming is started.

## 5.4.1 Prepare LUXORplay

In order for the **LUXORplay** app to be able to access the programmed functions, this has to be prepared in the "System" menu. The project is thereby transferred from LUXORplug to the LUXORliving IP1 system control centre.

 Click on the "Prepare LUXORplay" field and start the data transmission to the system centre.

Help Home	theben LUXORplug
← System	Transmit project fil
َ	Start
Set system	
ightarrowPrepare LUXORplay	
Set interface	

It is strongly recommended to close the LUXORplay app before pressing "Prepare LUXORplay", otherwise not all changes can be applied immediately.



## 5.4.2 Set interface

Another function in the "System" menu allows the setting of the LUXORliving IP1 system control centre. Principally, the system control centre is automatically detected. If this is not the case, the IP address of the connected system control centre can be entered manually in this menu. You can read the IP address of the system control centre in the display.

Theben AG* - Theben LUXORplug     File Help		
Home	theben LUXORplug	
<b>↓</b> ← System	Selected interface	
Â Program system	Select standard adapter Manual IP address	
Set system	LUXORIiving IP1 192.168.0.100 DK Gaved	
→ Prepare LUXORplay		
Set interface		

## 5.4.3 Diagnosis

The Diagnosis menu offers a number of functions that can facilitate start-up and possible troubleshooting.

- Recording of the bus communication
- Test of safety functions
- An overall summary of the project
- > Click on the "Home" menu (see below) and then select the Diagnosis menu.

### 5.4.3.1 Recording

The recording can be started, stopped and saved.

The recording can also run in the background when the Diagnosis window is exited.

By selecting the "screen icon", the recording can also be displayed in a separate window.

File the Home		theben LUXORplug		<b>~</b>
0	Recording started	Stop recording	Save recording	Delete recording
ſ	Date/Time	Transmitter	Information	
← Diagnosis				
d d				
Recording				
Test				
Project overview				



### 5.4.3.2 Project overview

Project overview allows a sorted presentation according to devices or rooms. In this overview, the utilisation of the devices as well as the connections of the devices among each other are shown. The project overview can be exported as a text file (.csv) for further processing or documentation.

Home		theben	LUXORplug	
	J	Sort by Rooms V Ground Noor V 1. First floor		Export
~	Diagnosis	V Living room V Switching (RF switch actuator 1 C1)	▼ Sensors	♥ Groups Polit
	لت Recording	Switching     Switching     Switch actualor 2 (1)	(96 puth button interface 3 C3) • Sensors Binary ropol 2 C1	Central Of Comps Panic Central Of
	Fest	Dimming actuality 1 C1     (Dimming actuality 1 C1)	(Binary Input 2 C1) Sensors Binary Input 2 C2 (Binary Input 2 C2)	€initial Off ▼ Groups Panic Central Off
Ρ	CC roject overview	> Elinds > touring Dining room Kitchen		

### 5.4.3.3 Test

The test page allows you to determine whether the safety functions take effect without exceeding a safety threshold. In this way, a response to wind, rain or frost can be simulated.

Home	ome LUXORplug								
	Wind alarm	Rain	Frost						
J	Threshold 1 On	Rain On	Frost On						
	Threshold 1 Off	Rain Off	Frost Off						
	Threshold 2 On								
ď	Threshold 2 Off								
	All commands can be overwr	ritten by the weather station immediately a	after they have been executed.						
Test									
m									
Project overview	v								

theben

# 6 Operation with LUXORplay

With the free LUXORplay app, the LUXORliving smart home system can be operated simply and conveniently. There are also various additional functions.

# 6.1 Users and authorisations

💼 LUXORplay		- 0	×
	theben LUXORplay		0
Ni Ic			
	Cancel Log in		
	Log in as administrator		

### 6.1.1 Logging in as the administrator

> Open the LUXORplay app.

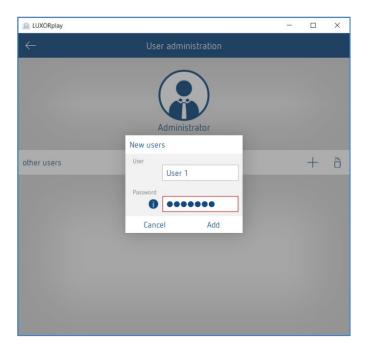
When logging in for the first time, the administrator must use the new administrator password as it exists following its change in LUXORplug. There is an option to have the system remember the login details.

Advantage: When opening the app again, the administrator is automatically logged in.



## 6.1.2 Creating a new user

In "Settings" > "User administration", the administrator can create users and define their rights and login details.



Once a user has been created successfully, actions and access rights can be assigned to them in the next step.

🙆 LUXORplay	-	×
← User 1		
Password		edit
Can activate holidays		
Can enter switching times		
Can block sun protection		~
Can trigger the panic function		~
Can trigger the central off function		~
Access to rooms		
Erdgeschoss/Living room		
Erdgeschoss/Bedroom		
Erdgeschoss/Bathroom		•
Erdgeschoss/Kitchen		~
Erdgeschoss/Children´s Room		~
Access to scenes		
Scene central down		~
Scene evening		~
Scene TV		

Afterwards, the individual users (e.g. family members) can connect to the system with their individual login details.



## 6.1.3 Logging in as user

In this window, the user can log in to the LUXORplay app using their username and password.

There is the option of having the system remember the login details in this case too, so that they can then be used to log in to the app after it has been restarted automatically.

💼 LUXORplay		-		×
	theben LUXORplay			0
	Log in on IP1 192.168.0.101 - 00C50101EA4	D		
,	Username		-	
	User 1			
	Password		-	
	•••••			
	Remember log in details?	~		
	Log in			
	Log in as administrator			

## 6.2 Scenes

In the LUXORplay app, individual scenes can be created. In addition to the scene name, an icon can be selected. If the scene is marked as a favourite, it will appear on the home screen for quick access. The scene can either be triggered in the LUXORplay app, or with a defined trigger, e.g. button. The scene can also be started with a time control (see "Entering switching times" chapter).

iPad 🗢	11:29	* 8 % 💭
$\leftarrow$	New scene	
Name TV		
T V		
Icon		
		اليار
As favourite on home screen		~~
		Ж
Participant		Show
Trigger		Show
nigger		SHOW
Functions		$(\mathbf{y})$
		Time switch

### List of participants

💼 LUXORplay	_		×
← TV			
Execute scene			
Newly added devices are programmed with	the current	state.	
Participant			
reading lamp	✓	0 %	I
lamp ceiling	✓	0 %	1
lamp couch		10	ľ
blind livingroom	✓	60 %	1
blind terrace	✓	60 %	1
eat blind			
light floor lamp	✓	- <u>ݣ</u>	

The assignment of participants is activated by clicking the checkbox. The current status is immediately shown in LUXORplay (current dimming value, current position (height/slat), switching status).

Using the pen, the state can be individually changed and automatically added to the scene.

The participation in a scene can also be defined directly in the function/room.

iPad 🗢		11:44	* 5 % 🕞 +	
$\leftarrow$	Ground	floor / Livir		
<ul> <li>Heating</li> <li>^ℂ 24,2 °C</li> <li>Actual</li> </ul>	<b>1</b> TA	9,0 °C		
Blinds			1 1	0% ↑ Up ↓
<ul> <li>➡ Floor lamp</li> <li>♥</li> </ul>				Ŷ
<ul> <li>amp</li> <li>Ceiling lamp</li> <li>∞</li> </ul>				Ŷ
E Lamp Couch © ≁	Lamp Coud	ch		0%
	+ Scene	Time switch	Holidays	
		Close		

# 6.3 "Time switch" function

## 6.3.1 Switching time

You can configure functions or scenes to switch on at particular times. This involves creating switching times that trigger a function or scene at a particular point in time.

If the time switch icon is activated in a function or scene, the switching times can be entered in a new window.

1 LUXORplay			-		×	🖻 LUX(	ORplay			-	-		×
$\leftarrow$	Erdgeschos	s / Woh	Inzimmer					Т	ime sw	vitch			
	Jalousie (	C3 / time	switch			Percen	nt				0	%	1
	+	Č	Ĵ			Functio	on			S	witchi	ng tim	e∨
Do not run the	program if a	bsent				Switchi	ing time				C	00:80	] /
Percent Switching time		Thu	Fri Sat		0% 3:00	Mon	Tue	Wed	Thu	Fri	Sat	t S	un
Percent Switching time				09	0% 9:00								
Mon Tue	Wed	Thu	Fri Sat	Sur			Canc	el			Ok	(	

## 6.3.2 Dimming limit

In addition to a switching time, a time-controlled dimming limit can be implemented for the "Dimming" function.

The entered value is accepted as the maximum adjustable dimming value and executed in the same way as a switching time, at a specific time. The dimmer will thus dim to the desired value at a specific time. Dimming via the slider in the app and with the button is still possible. The dimming limit only applies to the switch command (1-bit). This means, when using it at night for example, a basic lighting will not be exceeded, while during the evening the full range of lighting can be used.

#### Cancelling the dimming limit

The dimming limit can be cancelled by deleting the limit or by changing over to "switching time".

😰 LUXORplay	- 🗆 X						
Time switch							
Percent Function Switching time Mor Tue Wed Thu	50 % // Dimming limit v 21:00 // Fri Sat Sur						
Cancel	ОК						



## 6.3.3 "Sun protection" and "Twilight" functions

In addition, the user has the option to customise the brightness thresholds for the "Sun protection" and "Twilight" functions. Sun protection and twilight can be activated/deactivated as desired.

This means it does not need to be programmed again via LUXORplug.

If the thresholds for the "Sun protection" or "Twilight" functions are not changed in the LUXORplay app, the thresholds that were most recently programmed in LUXORplug will apply.

🙆 LUXORplay	_		×	۵ L	UXORplay		- 0	×	
$\leftarrow$	Sun protection			$\leftarrow$		Twilight			
Activation and setting	)			Set	ting				
Sensor front			✓	Mo	ornings OFF		100 lx \	<ul> <li>Image: A start of the start of</li></ul>	
Threshold front		10000	x∨	Ev	enings ON		100 lx N	/	
Sensor right			~	Mc	ornings UP		100 lx \	<ul> <li>✓</li> </ul>	
Threshold right	[	40000 l	××	Ev	enings DOW	N	100 lx \	/	
Sensor left			✓						
Threshold left		30000 l	××						
Maximum value			✓						
Threshold max. va	lue	60000 l	××						

Settings in "Automatic" > "Sun protection" or "Twilight"

igcup Automatic sun function and twilight are always activated by default.

## 6.3.4 Presence simulation

The presence simulation can be easily defined in the LUXORplay app and be activated when absent. The presence simulation in LUXORliving makes sure that for instance the lights are switched on and the blinds go down every evening.

Presence simulation parameters can be set in "Automatic" > "Holidays".

Pressing the "Holidays" button will display all the functions that can take part in a presence simulation. To make them take part in the presence simulation, activate them by ticking the relevant boxes.

You can set the presence simulation parameters for a particular function by clicking on the function.

iPad 🗢		11:43	\$5% ┌─`≁
$\leftarrow$		Holidays	
	Activate holidays		
Participant			
	Blinds		
	Floor lamp		
	Ceiling lamp		
	Lamp Couch		

## 6.3.4.1 Presence simulation parameters

Initially, different profiles can be selected, which have predefined values for the settings of **duration** and **repetition** (only with the "Light/Switching" function).

Light in common room: Less switchings with a longer duration (e.g. living room) Light in passage room: More frequent switchings with shorter duration (e.g. corridor)

iPad 🗢	11:43		\$ 5 % 💽 +
$\leftarrow$	Presence simulation		
	Lamp Couch		
Profile		Light in lounge 🗸 🗸	
Start presence simulation:			
Daily		from	12:00
and after sunset			
Pause presence simulation:			
Daily		from	23:00
Dany		to	05:00
End presence simulation:			
Daily		to	11:59
and after sunrise			
Delay		from	0 min 🧷
Delay		to	30 min 🧷
Duration		from	120 min 🧷
		to	240 min 🧷
Repeat			

## 6.3.4.2 Starting the presence simulation

#### Case 1:

Activation only **once a day**, starts the simulation always at the same time.

#### Case 2:

With additional activation **and after sunset**, the simulation starts with the latest event. The condition **sunset** is only available if a LUXORliving M140 weather station is present in the system.

#### Example 1 (e.g. summer months)

Start time: daily at 6:00 PM Sunset is at 9:30 PM

ightarrow The presence simulation starts at 9:30 PM

#### Example 2 (e.g. winter months)

Start time: daily at 6:00 PM Sunset is at 4:30 PM

 $\rightarrow$  The presence simulation starts at 6:00 PM

The starting condition is an AND operation, i.e. both conditions have to be fulfilled for the presence simulation to be started.

#### Case 3:

Only the condition "and after sunset" is selected. The presence simulation starts at the time of sunset.

### 6.3.4.3 Pausing the presence simulation

If the presence simulation is to be paused for a certain time, a pause time **from -- until** can be defined. At the start of the pause time, all states will switch to **OFF**, and be reactivated after the end of the pause time.

### 6.3.4.4 End of presence simulation

#### Case 1:

If activation takes place only once a day, the simulation always ends at this time.

#### Case 2:

With additional activation and (or) after sunset, the simulation ends with the first event.

#### Example 1 (e.g. summer months)

Ending time: daily at 8:00 AM Sunrise is at 6:00 AM

ightarrow The presence simulation ends at 6:00 AM

#### Example 2

Ending time: daily at 8:00 AM Sunrise is at 9:00 AM

ightarrow The presence simulation ends at 8:00 AM

The condition for ending the presence simulation is an OR operation, i.e. one of the two conditions must be fulfilled for the presence simulation to be ended.

### Case 3:

Only the condition **and after sunset** is selected. The presence simulation ends at the time of sunrise.

## 6.3.4.5 Delay

When starting, the delay will be added to the starting time. The delay varies in the selected range from - until.

The same applies for ending the presence simulation, i.e. the simulation ends accordingly later.

## 6.3.4.6 Duration and repetition

If repetition is activated, the status will be activated for the set duration. The action will be repeated after the set delay. The duration and the delay vary in the selected range from - until.

If repetition is deactivated, the job will be executed once for the set duration. If no time is entered for the duration (00:00), it will be switched on immediately after switching off.

## 6.3.4.7 Function with blinds

At the start of the presence simulation, it will be moved to 100 % (DOWN). At the end of the presence simulation, it will be moved to 0 % (UP). If a delay is entered, it will be added to the start time, i.e. the hanging moves DOWN without a delay. At the end, the hanging will move UP with the delay.

The delay time varies in the selected range from - until.

### Example 1 (summer months)

Start time: daily at 6:00 PM Sunset is at 8:30 PM

 $\rightarrow$  The presence simulation starts at 8:30 PM

### Example 2 (winter months)

Start time: daily at 6:00 PM Sunset is at 4:30 PM

ightarrow The presence simulation starts at 6:00 PM

Once you have set all the parameters as you want them, click "Activate holidays" on the previous screen to start the presence simulation. Each setting taking part in the simulation is identified with a small aeroplane icon in the room view.

# 6.4 LUXORplay settings

Various parameters can be individually adjusted in the "Settings" menu.

🔟 LUXORplay	-		×	
$\leftarrow$	Settings			
Language		Englist	1 ⁻	~
User administration			o	pen
2-stage actions				
Panic activation				~
Scene activation				
Central off activation				•
Holiday activation				
Set interface			o	pen
Set date and time			o	pen
Software info			0	pen

### 6.4.1 User administration (see chapter 5.1)

#### 2-stage actions

To prevent the Panic, Scene, Central off, or Holiday functions from being activated inadvertently, you can set 2-stage activation for each function. Each function will then only be carried out if it is confirmed in a second step.



#### Setting the interface

This menu shows information about the linked system control centre. It also allows you to check whether any updates are available for the system control centre's firmware.

#### Date and time

You can use this setting to adjust the system control centre's date and time manually. Alternatively, you can activate synchronisation with the system time (if you are using a smartphone or tablet).

#### Software info

Information about the installed version, contact details, and terms and conditions.



#### 6.4.2 Export logs

In the event of a malfunction in LUXORplay, so-called "logs" can be exported for diagnosis. In iOS and Android, the e-mail app opens, and you can send these logs directly to our hotline. In Windows, LUXORplay creates a folder C:\Documents\export_logs, where the encrypted diagnostic file is stored.

### 7 LUXORliving – the Theben Cloud

All LUXORliving functions can be controlled and statuses monitored by remote access via Theben Cloud using the **LUXORplay** app.

In order to use remote access via Theben Cloud, the user must first register on the website <u>https://cloud.theben.de</u>.

> Click on the "Register" button.

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theben	1 LUXORplay		0	$\leftarrow$	
				energy saving com	ort
Π.	theben	i		Log in via the Theben E-mail	cloud
		• • _{P1}		Password	
Search	for interface			Remember log in details?	_
Enter	IP address			Log in	
	or			Desition	
Remote access	via the Theben	cloud		Register	

#### An input window opens

theben Here and the		New account Log in
	You must log in to access the portal.	
Log i End		
	Enter Reset password	
	Subscribe	
Terms of us	e Privacy policy Legal notice Cancellation policy Language: EN © 2019 Theten Cloud Platform Interande	DE

- ▶ Fill in the registration form.
- > Click on the field "Register now for free".

New account
Try Theben Cloud 12 months as a full version now! ₁₎
$\checkmark$ No subscription $\checkmark$ No bank details required $\checkmark$ Immediately available
First name
Last name
Email
Email confirmation
Language (E-Mail invitation, etc.)
English \$
Password
Your password must be between 8 and 130 characters long and must match at least 3 of the following rules: at least 1 uppercase letter(A-Z), at least one lowercase letter (a- z), at least 1 digit (0-9), at least 1 special character (punctuation).
Password confirmation
I accept the terms and conditions & privacy policies
Register
This site is protected by reCAPTCHA: Privacy Policy, Terms of Service
<ol> <li>from the, 13th month monthly from only 1,67€. Further information can be found here.</li> </ol>

Further configuration will take place in the LUXORplay app:

- Log in to the LUXORplay app as administrator. Note: You must be connected to your local network!
- > In the LUXORplay app, select "Settings" and then "Set interface".
- > To assign system central IP1 to your cloud account, select "Request ownership rights".

😰 LUXORplay	_		×				
← Set interface							
IP1 interface		Cha	ange				
IP address	10	).10.12	.143				
Serial number	00 C5 (	01 01 E	A 4D				
Current version		IP1-1	.3.2				
Update		С	heck				
Cloud status		Activ	ated				
Request ownership rights		Rec	uest				
Relinquish ownership rights		Reling	uish				

> Authenticate with the credentials for Theben Cloud. System central IP1 will be automatically assigned to your cloud account.



Your system central IP1 is now also displayed online at <u>https://cloud.theben.de</u> under Gateways in your cloud account.



Now you can log in with the LUXORplay app via the cloud.

LUXORplay − □ ×	🔝 LUXORplay — 🗆	×
(c) theben LUXORplay (c)	C Log in via the Theben cloud	0
10.10.12.179 - 00C5FFFFF66	E-mail admin@xyz.de	
Enter the Administrator password to connect to IP1 Password	Password	
••••••	Remember log in details?	
Remember log in details?	Log in	
Log in	Register	

In the LUXORplay app, click on the "cloud symbol" and authenticate for the cloud with your access data.

### 7.1 Add other users

#### Creating a new user with access to Theben Cloud

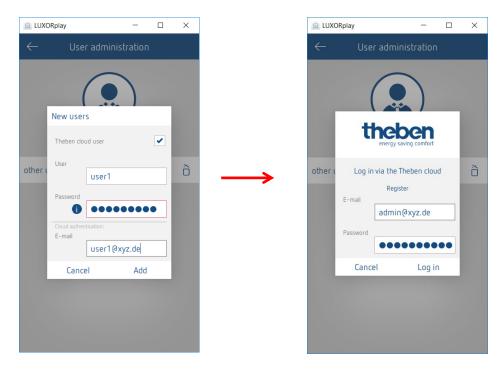
In the user administration, additional users can be added, who can also access the system via Theben Cloud.

If a new user (e.g. spouse or child) is added, this user can be marked as a "Theben Cloud user".

The following information is entered for the new user:

- the name of the user
- the password with which the user authenticates in the LUXORplay app
- a valid e-mail address for the user to access the cloud

After the new user has been created, the owner of the gateway (usually the admin) still has to authenticate himself with his user data.



An invitation to Theben Cloud will subsequently be sent to the specified e-mail address of the user.





### 7.2 Cloud access for an existing user

If users have already been created for local access, they can also be invited to Theben Cloud. In Settings > User Management, a "cloud invitation" will be sent to the desired user. This requires a valid user email address for cloud access.

💼 LUXORplay		-		×	
$\leftarrow$	user1				
Cloud			Invit	ation	
Password				edit	
Can activate h	Can activate holidays				
Can enter swil	ching time	es			
Send The Can I	ben cloud ir	nvitatio	n		
E-mail					
Can t	user1@xy	z.de			
Canc Can trigger th	el e central o	Send rr rund	cion		

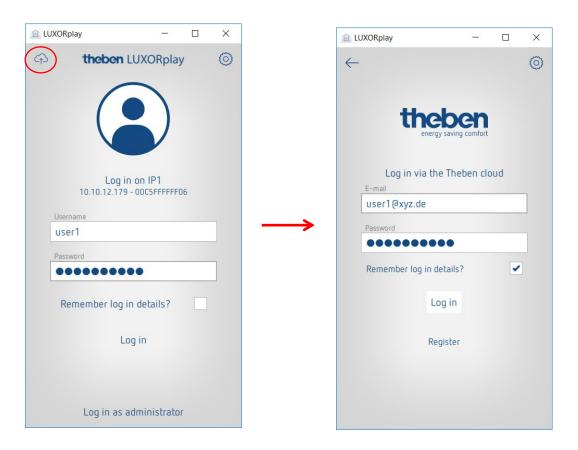
The user will receive an "Invitation to installation" at the e-mail address provided with the request to confirm the invitation. This requires registration on the Theben Cloud portal. If the new user already has an account, he can log in with his data (see sheet 2 / step 1 and 2).

theben energy saving comfort
Installation Invitation
Hello, You were invited to a Theben LUXORIIving installation. If you already have a Theben Cloud Portal account:
Please click here to confirm the invitation.  If this is the first time that you have been invited to an installation in Theben Cloud Portal: Please click here to confirm the invitation
Many thanks and kind regards from Haigerloch Your Theben Team
Theben AG
Hohenbergstraße 32, 72401 Haigerloch, Deutschland, Postanschrift. Postfach 56, 72394 Haigerloch Fon +49 (0)74 74/692-0, Fax +49 (0)74 74/692-150, <u>info@theben.de</u> Vorstand: Paul Sebastian Schwenk, Thomas Sell Vorsitzender des Aufsichtsrats: Werner Knies

Once the user has completed registration and login, he will now also be displayed under Users in your cloud account.

theben My account G	ateways Users			Connected as: admin	Log out
n		Installation			
$\sum \zeta_{\perp}$	00C50101EA4D		\$		
Users		Users			
	Name	Status	Actions		
	admin	Owner			
	user 1	User	Revoke		

Now, the new user can also connect to Theben Cloud on the LUXORliving system via the "cloud symbol".



## 8 Integration of personal assistants

### 8.1 LUXORliving and Amazon Alexa

#### 8.1.1 Preconditions

The following conditions must be met before your Amazon Alexa skills can be used with the LUXORliving smart home system:

- 1. Your LUXORliving system has been programmed.
- 2. LUXORplay has been prepared by using LUXORplug.
- 3. You can access your system locally via LUXORplay app.
- 4. You can access your system via LUXORplay over the Internet.
- 5. The "Theben Cloud with LUXORliving" has already been successfully implemented.
- 6. Your LUXORliving system control centre is connected to the Internet.
- 7. Your Amazon Echo (Alexa) is successfully connected to the network and has an active Internet connection.
- 8. You have an Amazon user account.

#### 8.1.2 Integration

To use your LUXORliving smart home system with Amazon Alexa, follow these steps:

- Open the Amazon Alexa app on your smartphone, tablet or in your web browser. To open Alexa via the web browser, go to <u>https://alexa.amazon.de</u>.
- ➢ Go to "Skills & Games" in the menu.
- Use the search function to find "Theben".
- Select the "Theben LUXORliving skill".
- Click "Enable for use".
- Enter your login credentials (email and password) of the previously created Theben Cloud user account and click on "Login".
- Select the Theben system control centre which you want to link to the skill from the list of gateways.
- Enter the user name (admin) and password of your Theben system control centre and click on "Login".

**Tip**: The user name is always "admin". The login is the same login you use when you, as an administrator, wish to connect locally to your LUXORliving smart home system via the LUXORplay app.

The skill is now successfully linked to your Theben Cloud account and your Theben system control centre.

- > Click on "Finished" in the upper left corner.
- Go to "Detect devices". This process may take some time. All new devices are now displayed. Already added devices are not displayed anymore.
- > Now add the detected devices. To do this, select the respective device and go to "Add".

Done! You can now control your LUXORliving system by voice using our Theben LUXORliving skill.

#### 8.1.3 Examples

The {device name} always refers to the name of the function you set in the LUXORplug configurator, or the one you have already customised in the Amazon Alexa app.

Switch light: "Alexa, switch off ceiling light."

Dim light: "Alexa, dim ceiling light to 50%." Dim light: "Alexa, set ceiling light to 50%."

Control blinds/roller blinds: "Alexa, move blinds to 0%." (Note: The blinds move completely up.)

Control blinds/roller blinds: "Alexa, move blinds to 80%." (Note: The blinds move to the indicated position.)

Control blinds/roller blinds: "Alexa, move blinds to 100%." (Note: The blinds move completely down.)

The commands "up" and "down" or "increase" and "decrease" are used by Amazon Alexa for dimming the lighting and are predefined by Amazon. These commands are therefore not suitable for controlling blinds or roller blinds, as the movement goes in the opposite direction.

**Example**: "Alexa, move the blinds up" means up = brighter light/increased percentage, but the blinds actually move down.

Control scene: "Alexa, switch on scene TV." Control scene: "Alexa, activate scene TV."

Only those scenes can be operated by voice which are also assigned to a scene trigger in the LUXORliving system, e.g. a push button.

As an alternative to the scenes in LUXORliving, you can also individually set so-called routines in the Alexa app, which are then activated via a voice command.

Set temperature: "Alexa, set living room to 22 degrees." Query temperature: "Alexa, what is the temperature in the living room."

If you would like to control devices by room name (e.g. "Alexa, turn off the lights in the living room."), you must set this via the device groups in the Amazon Alexa app.

### 8.2 LUXORliving and Google Home

#### 8.2.1 Preconditions

The following conditions must be met before your Google Home action can be used with the LUXORliving smart home system:

- 1. Your LUXORliving system has been programmed.
- 2. LUXORplay has been prepared by using LUXORplug.
- 3. You can access your system locally via LUXORplay app.
- 4. You can access your system via LUXORplay over the Internet.
- 5. "Theben Cloud with LUXORliving" has already been successfully implemented.
- 6. Your LUXORliving system control centre is connected to the Internet.
- 7. Your Google Home devices (e.g. Google Home Mini) is successfully connected to the network and has an active Internet connection.
- 8. You have an Amazon user account.

#### 8.2.2 Integration

To use your LUXORliving smart home system with Google Home, follow these steps:

- > Open the Google Home app on the smartphone, tablet, etc.
- ➢ Go to "Add" or click on the "+" in the top left corner of the app.
- Click on "Set up device".
- Click on "Have something already set up?".
- > Use the search function to find "Theben".
- Select the "Theben LUXORliving action".
- Enter your login credentials (email and password) of the previously created Theben Cloud user account and click on "Login".
- Select the Theben system control centre which you want to link to the "action" from the list of gateways.
- Enter the user name (admin) and password of the Theben system control centre and click on "Login".

Tip: The user name is always "admin". The login is the same login you use when you, as an administrator, wish to connect locally to your LUXORliving smart home system via the LUXORplay app.

# neben

The "action" is now successfully linked to your Theben Cloud account and your Theben system control centre. All new devices are now displayed. Already added devices are not displayed anymore.

- Now, you have to add the detected devices. To do this, select the respective device and go to "Add".
- Select the room to which the device should be added.

Done! You can now control your LUXORliving system by voice using our Theben LUXORliving action.

#### 8.2.3 Examples

The {device name} always refers to the name of the function you set in the LUXORplug configurator, or the one you have already customised in the Amazon Alexa app.

Switch light: "Hey Google, switch off ceiling light."

Dim light: "Hey Google, dim ceiling light to 50 %." Dim light: "Hey Google, set ceiling light to 50 %."

Control blinds/roller blinds: "Hey Google, move blinds to 0 %." (Note: The blinds move completely down.)

Control blinds/roller blinds: "Hey Google, move blinds to 80%." (Note: The blinds move to position 100 minus the indicated position, i.e. to 20 %.)

Control blinds/roller blinds: "Hey Google, move blinds to 100 %." (Note: The blinds move completely up.)

igli Google Home uses the inverted percentage values. These commands are therefore not suitable for controlling blinds or roller blinds, as the running direction is inverted. Example: "Hey Google, move blinds to 80%." means that the blinds do not move down 80 %, but 20 % (100 % - 80 %). This can be avoided by using routines. In a routine, the desired blinds can be controlled

together and the routine can be activated via an individual voice command, e.g. "Hey Google, activate shading."

Control scene: "Hey Google, switch on scene TV." Control scene: "Hey Google, activate scene TV."



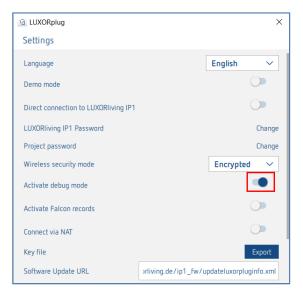
 $igodoldsymbol{0}$  Only those scenes can be operated by voice which are also assigned to a scene trigger in the LUXORliving system, e.g. a push button. As an alternative to the scenes in LUXORliving, you can also individually set so-called routines in the Google Home app, which can then be activated via a voice command.

Set temperature: "Hey Google, set living room to 22 degrees." Query temperature: "Hey Google, what is the temperature in the living room."

If you want to control devices by room name (e.g. "Hey Google, turn off the lights in the living room."), you must set this via the device groups in the Google Home app.

## 9 Appendix

### 9.1 Debug mode



Debug mode can be activated by clicking five times on the free space. It is used for troubleshooting in the configuration.

In debug mode, the connected group addresses are displayed for each function if the cursor is placed on it.

	Trigger
	Door conta
Switch function	
Switch actuator Floor lamp	Trigger Floor lamp
	Trigger
Switch function	
Switch actuator StatusOnOff: 2/4/0 Dimmen%: 2/2/0	Trigger Ceiling lam
Panik: 571/248 Schalten0n0ff: 27070 ZentralAus: 571/249 Status%: 27370	Trigger
Dimming function DimmenRel: 2/1/0	
Dimming actuator Lamp Couch	Trigger Lamp Couc
	Trigger

### 9.2 Device update

To be able to carry out a device update, you must first switch to debug mode (chap. 9.1) By pressing the displayed icon, LUXORplug starts checking the device software; each device in the device list is checked for a new software update.

If a new software version is found, it can be selected and updated with the "Update devices" button.

Depending on the device, a software update can take up to 50 minutes. If a device software is up-to-date or has been successfully updated, a blue tick mark appears under "Firmware".

The process can be cancelled at any time with the "Cancel" button. The device then contains the latest installed software.

			Show available firmware upda	ates.
			ن ال	
irmware update				
ew or alternative firmware has been found for one or several devi	ces.			
Device TP: 8/64 RF: 3/64		Туре	Name	Firmware
LUXORliving D2 (9.0.20) no domain		$\bigcirc$	Dimming actuator 1	✓
LUXORIiving J4 (9.0.8) no domain			Blinds actuator 1	×
LUXORIiving H6 (9.0.9) no domain		8.	Heating actuator 1	-
LUXORIiving M140 (9.0.1) no domain		ð	Weather station 1	Image: A start of the start
LUXORIiving B6 (9.0.10) no domain		3-(	Binary input 2	1
LUXORIiving T4 (9.0.3) no domain		æ.(	Push button interface 1	×
> LUXORIiving TP/RF KNX (9.1.0) 00C5:01031869	0	10))	Media coupler 1	×
LUXORIiving S1 RF (9.1.2) 00C5:01031869	<b>.</b>	$\bigcirc$	RF switch actuator 1	2.0.0
LUXORliving J1 RF (9.1.3) 00C5:01031869			RF blind actuator 2	✓ 2.1.0 ×
LUXORIiving T4 RF (9.1.1) 00C5:01031B69	.al 💿	3-(	RF push button interface 3	2.1.0
LUXORIiving iON8 (9.0.2) no domain			Push button 1	1
				Cancel Update devices

CAUTION: A device update should only be carried out after consulting the Theben hotline.

## 10 FAQs concerning the LUXORliving webpage

### 10.1 General information

#### 10.1.1 Which functions does LUXORliving currently offer?

- 1. Manual operation of lighting and drives
- 2. Control individually, in groups, centrally, or integrated in scenes
- 3. Panic function and central OFF
- 4. Presence simulation
- 5. Time control of the individual functions via weekly program
- 6. Control of the lighting depending on twilight
- 7. Automatic control of the drives depending on brightness, temperature, wind or rain
- 8. Individual scene function
- 9. Individual room control of heating and cooling systems
- 10. Operation via conventional buttons on site and via LUXORplay app
- 11. LUXORplay app for iOS, Android and Windows
- 12. Integration of further applications via app link
- 13. User administration in LUXORplay with rights assignment
- 14. Project import from system centre in LUXORplug
- 15. Function extensions via updates possible
- 16. Manual control directly at the actuators
- 17. Decentralised intelligence distributed over the system components
- 18. Remote access via Theben cloud or VPN connection
- 19. Voice control with Amazon Alexa or Google Assistant (only in connection with active Theben Cloud account)

#### 10.1.2 How many devices can be integrated in one system?

The system can be equipped with a maximum of 64 LUXORliving TP devices and a maximum of 64 LUXORliving RF devices, i.e. it includes system devices, sensors and actuators. A total of 15 media couplers can be used in the system.

#### 10.1.3 How are the individual functions operated on site?

For operation, conventional buttons are used. They are integrated into the system via button interfaces/binary inputs. Control is always via button. Only for the "switch" function you can chose between "button" and "motion detector" (switch).

## 10.1.4 What type of communication is used at how must the connection be executed?

Communication is via a 2-wire bus, to which each device has to be connected. KNX S mode is used as a protocol.

The bus connection can be executed as a line, star or tree topology.

The following cable lengths have to be observed: power supply – participant  $\rightarrow$  max. 350 m participant – participant  $\rightarrow$  max. 700 m total cable length  $\rightarrow$  max. 1,000 m. For the bus connection, a KNX-certified bus line (J-Y(St)Y 2 x 2 x 0.8 mm) has to be used.

#### 10.1.5 How are the individual components configured and programmed?

Configuration is done with the free LUXORplug software. For project planning, the already installed system and the connected components can be loaded. Alternatively, project planning can be done completely manually. A connection to the system centre is not necessary for project planning.

#### 10.1.6 What types of switches can be used with LUXORliving?

You are free to choose any type of switches and buttons. Via the LUXORIiving T2, T4 and T8 button interfaces, any switches and buttons can be integrated into the LUXORIiving system. Of course, this also applies to other consumers with floating contact, such as smoke detectors. Via the LUXORIiving B6 binary input module, also non-floating contacts, of e.g. motion detectors, can be integrated in LUXORIiving.

## 10.1.7 What type of lamps can be controlled with the LUXORIiving dimming actuator?

The LUXORliving D4, D2 and D1 dimming actuators are designed for incandescent and halogen lamps, as well as dimmable LED lamps.

Special attention was given to the dimming of LED lamps, which can be dimmed in a flicker-free and stepless manner in the LUXORIiving system.

## 10.1.8 Can the dimming output of the LUXORIiving dimming actuators be increased?

Basically, the LUXORliving D2 dimming actuator can dim 400 W per channel, the LUXORliving D4 200 W per channel and the LUXORliving D1, 250 W (in RC mode, this also applies to LED load!). Generally, these output limits are sufficient.

If an increase of the load is still required, the LUXORIiving D2 can be extended with the DMB 1 T dimming booster (max. 2 x DMB 1 T per channel).

## 10.1.9 How reliably do the switch actuators of the LUXORliving series switch even high inrush currents?

The LUXORliving S4, S8 and S16 switch actuators are optimised for capacitive switching loads and are equipped with corresponding relay contacts – inrush currents of 800 A / 200  $\mu$ s are no problem.

## 10.1.10 How is room temperature control accomplished in the LUXORIiving system?

The room temperature is detected and set via room sensor LUXORliving R718 or the iON8. The current room temperature is also displayed in the LUXORplay app, where the setpoint can always be defined.

Alternatively, the room temperature can also be measured via various other devices (see chapter "Temperature measurement via LUXORliving (without room sensor))". In this case, a

temperature sensor (9070459, 9070321 or 9070496) is connected to the respective device. The setpoint is then only set in the LUXORplay app.

#### 10.1.11 How many scenes can be saved and controlled?

32 individual scenes can be saved and retrieved.

## 10.1.12 How many users can access the system simultaneously via the LUXORplay app?

A maximum of 5 users can simultaneously access the system. A higher number of simultaneous connections extends the loading times. The users are created and saved in the LUXORliving IP1 system control centre.

#### 10.1.13 Is start-up possible even without an Internet router?

Yes, by means of LUXORplug the computer can also connect directly with the system centre. The only thing that is needed is a LAN connection between PC and system centre. However, for the subsequent operation with the LUXORplay app, an Internet router is absolutely necessary.

#### 10.1.14 What happens if the IP1 system control centre is disconnected?

Thanks to decentralised intelligence inside the LUXORliving system, all basic functions will be preserved via the operating controls. However, additional functions, such as time and scene controls, as well as the operation via LUXORplay app, are dependent on the system control centre.

### 10.2 Problem solving

## 10.2.1 What is the reason that LUXORplug cannot establish a connection to the IP1 system centre?

After applying the bus voltage, the system centre needs approx. 1 minute for start-up, then it should be ready for operation. If access is not possible afterwards, check the following:

If "No LAN" appears on the display of the IP1:

- > Check the cable connection to the router.
- > Check the router settings (DHCP must be activated).

If "No BUS" appears on the permanent display of the IP1:

> Check the cable connection to the LUXORliving power unit.

#### 10.2.2 What is the default password of the IP1 on delivery?

The password is always "admin".

#### 10.2.3 Why are devices not found when the system is scanned?

Perhaps the device has already been used in another system or KNX system. The device should be reset to the factory setting. To do this, disconnect the bus voltage, press and hold the Ph. address button on the device.

While the button is held, switch the bus back on. After approx. 2 seconds, the button can be released. The LED will go out and the device is reset to factory settings.

### 10.2.4 Does the system have to be scanned when it is first commissioned or when it is extended, or is it sufficient to drag the (new) devices from the catalogue into the project?

The system can be configured in advance offline by manually adding the devices from the catalogue (drag & drop). However, it is always necessary to scan the system to ensure that the devices in LUXORplug are assigned to the relevant hardware.

## 10.2.5 How do the buttons have to be connected to the binary inputs for a blinds function?

2 consecutive inputs must always be used, starting with the odd channel number. The odd channel number must always be the "Up" button.

## 10.2.6 How do you reset the IP1 system control centre to factory settings (master reset) or restart it?

**CAUTION**: If a master reset is performed, all settings will be deleted, including e.g. the project, scenes and switching times.

A master reset or restart is performed directly on the LUXORliving IP1:

- > Press the "  $\downarrow$ >" button on the device.
- > Then press the " $\downarrow$  " button until the "Reset" menu appears on the display. The "  $\downarrow$  " button is used to open the menu.
- > Select whether to perform a "Restart device" or a "Master reset".
- A long press of the " button causes a safety bar to run down. When it has expired, the IP1 restarts and the device is reset to factory settings in case of a master reset. The password after a master reset is again "admin".

#### 10.2.7 LUXORplay cannot find the IP1 system control centre

In rare cases, the LUXORplay app may not be able to find the IP1. This could have two reasons:

- 1. The router does not support UDP protocols, and therefore the IP1 is not automatically found.
- It may be because the IP1 is located outside your own network in the so-called "subnetwork".

There is a parameter for this, which is hidden in the "Settings". It allows searching for IP addresses that are located in such a network. By default, this parameter is enabled, so the search in a subnetwork is blocked. In this case, the parameter must be **deactivated**.

To make the parameter visible, click 5 times consecutively in the blue bar of the settings.

$\leftarrow$	Settings		
Language		English	~
User administr	ation		open
2-stage action	S		
Panic activation	٦		✓
Scene activatio	Π		
Central off acti			
Holiday activat			
Set interface			open
Set date and time			open
Software info	open		
Export logs	export		
Block IP addresses out	side the subnet		<ul><li>✓</li></ul>

## 10.2.8 Why are changed function or room names not accepted in LUXORplay when they are defined in LUXORplug?

Changing function names or room designations is also possible from LUXORplay (pen function). If the designations are changed in LUXORplay, they can no more be changed from LUXORplug. This is intended, otherwise the individually created designations would be repeatedly overwritten by the user through reprogramming.

In order to still be able to access the designations from LUXORplug, the designations must first be deleted in the LUXORplay app using the pen. Afterwards, the designations from LUXORplug are automatically visible.

## 11 Contact

#### Theben AG

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#### Hotline

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