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1 Information About Using the Operating Instructions

Keep these operating instructions so you can refer to them at a later date!

1.1 Technical Terms

You will find an explanation of all the technical terms used in these operating instructions in the Glossar section.

1.2 Formatting Conventions

- Terms used by the WirelessProfessional software and which you may encounter on the display are printed in bold in the instructions. For example, "Above the **General** view, you will find the **General**, **Alarm List**, **Groups** and **Maps** tabs".
- WirelessProfessional software buttons appear with a grey background in the instructions. For example, "Select Login and enter the installer password."

1.3 Basic Use of the WirelessProfessional Software

The WirelessProfessional software can be used both via a touchpad / mouse or a touch screen.

1.3.1 Tabs and Views

Figure 1 shows an example of the **General** view used in the WirelessProfessional software. Above the **General** view, you will find the **General**, **Alarm List**, **Groups** and **Maps** tabs. A view is selected by left-clicking on the corresponding tab above the view or tapping the tab on the touch screen.

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General Alarm List Groups Maps			
OK SFrror State ABlacked Stating			Login
	No Crouro	Status	
Anlage	0	Starting system	
, and go	Ÿ	Starting of starting	

Figure 1: General view

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Page 2

1.3.2 Highlighting

An individual element in a list of elements is highlighted by left-clicking on the element or tapping the element on the touch screen (Figure 2).

File Options Help									
General Alarm List Groups Maps Email	Installation N	etwork Inform	ation Cloud						
🔵 OK 😢 Error 🔹 Test 🔶 Bloc	📄 OK 😣 Error 🌼 Test 🔶 Blocked 🏷 Updating 📦 Masked Save System Data								
Configure Groups Test Timer Remote Facilit	ties System	Project							
Maintained Non-maintained D Switchir	na State Normal		State Modified (Not Swite	hable 🕅 Timer (IO Box			Find New Devices
	ig otate Horman	Ouncoming	oute mouned (
Registered nodes						Bh		Unknown nodes	1
Name	 Address 	Status	No. Luminaire N	lo. Repeaters	No. 10 Boxes		-	Address	
Anlage		۵ (36	0	0			Luminaires: 0	
* 🚅 1.0G		0	16	0	0			Repeaters: 0	
Luminaire001	401W	$\Theta \otimes \bigcirc$						IO Boxes: U	
Luminaire002	WOTC								
Luminaire003	E597	$\Theta \otimes \odot$							
Luminaire004	WCKJ								
Luminaire005	AD71								
Luminaire006	FSD3								
Luminaire007	PSNF								
Notleuchte001	COTV								
Notleuchte002	2E50	$\Theta \otimes \odot$							
Notleuchte003	YLVR	$\Theta \otimes \Theta$							
Notleuchte006	UY8R								
Notleuchte007	753R								
Notleuchte008	2W2H								
Notleuchte009	904W								
Notleuchte010	8PH6	$\Theta \otimes \Theta$							
Notleuchte011	GUKJ	$\Theta \otimes \otimes$					-		
* <u>2.06</u>	61 P.42		y	0	0				
Notleuchte013	6UV1								
Notleuchte014	X417								
Notieuchte015	UIUC								
Noteuchte017	5PF7								
Noteuchte018	NROM								
Noteuchte0/13	0165								
Noteuched21	TUCY								
Noted and the open	71103						Ŧ		

Figure 2: One highlighted device

Several elements in a list can be highlighted by pressing and holding the Ctrl key and left-clicking on all the elements you want to highlight or tapping them on the touch screen (Figure 3). Alternatively, several elements can be highlighted if the multiple selection

button is clicked on or tapped first. If the multiple selection function is enabled, the button comes into play and the part of the window for which the function is enabled is framed with a dotted line (see Figure 3: Selecting several devices)

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Figure 3: Selecting several devices

The multiple selection button can be found in the top right of all lists in which several elements can be selected at the same time. If a tab contains several lists for which multiple selection is available, the multiple selection function can only ever be enabled for one list at a time.

If the multiple selection function is enabled for a list in a tab with several lists offering the multiple selection function and the multiple selection button in another list is clicked on or tapped, the previously enabled multiple selection function is disabled. When a tab is exited, the multiple selection function is always automatically disabled.

To cancel the multiple selection of elements, disable the multiple selection function and click on or tap an individual element. Alternatively, all highlighted elements can be tapped or clicked on again with the multiple selection function enabled. The highlighting and/or selection or multiple selection is retained when the tab is exited or when elements are highlighted in another list under the tab.

Several consecutive elements in a list are highlighted by clicking on the top element of the range to be highlighted or tapping this on the touch screen, then pressing and holding the Shift key and clicking on the bottom element of the range to be highlighted or tapping this on the touch screen (Figure 4).

All elements in a list are highlighted by left-clicking on the list or tapping the list on the touch screen and then pressing Ctrl+A. Not all views in the WirelessProfessional software support all these methods for highlighting elements.

Page 4

File Options Help									
	Company and the second se								
General Alarm List Groups Maps Email	Installation Ne	etwork Inform	ation Cloud						
OK SError Stast AB	ocked 🤦 Lindat	ing 🔎 Mael	ked					Save System Data	
								ouve of stern bata	
Configure Groups Test Timer Remote Fac	ilities System	Project							
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Name	 Address 	Status	No. Luminaire M	Vo. Repeaters	No. 10 Boxes		Address		
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* 1.0G			16	0	0		Repeaters: 0		
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Luminaire005									
Luminaire006	FSD3								
Luminaire007	PSNF								
Notleuchte001	COTV								
Notleuchte002	2E50	$\Theta \otimes \Theta$							
Notleuchte003	YLVR	$\Theta \otimes \Theta$							
Notleuchte006	UY8R								
Notleuchte007	753R								
Notleuchte008	2W2H								
Notleuchte009	904W								
Notleuchte010	8PH6	$\Theta \otimes \Theta$							
Notleuchte011	GUKJ	$\Theta \otimes $							
* <u>2.0G</u>			9	0	0				
Notleuchte013	6UV1								
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Notleuchte017	5PF7								
Notieucnte018	NR6M								
Notieucnte019	D/K5								
Notieucnte021	8RON								
Notieucnteu22	THGV						•		



1.3.3 Dragging

Highlighted elements are moved by left-clicking on the highlighted elements and holding down the mouse button. The elements are then dragged to the desired location (Figure 5) and the mouse button is released.

On the touch screen, highlighted elements are moved by touching the highlighted elements with your finger, keeping your finger on the elements and dragging them to the desired location (Figure 5). Once in the desired location, lift your finger off the touch screen. Alternatively, the highlighted elements can be moved with the aid of the context menu. See 1.3.4 Context Menu.

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General Alarm List Groups Maps Ema	ail Installation Network	Information Cloud	I				
OK SError Strest 🔶	Blocked 🥱 Updating 🔵	Masked					Save System Data
Configure Groups Test Timer Remote F	acilities System Projec	L					
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Notleuchte021	8RON	M					
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	7003	20					

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1.3.4 Context Menu

The context menu for one or more elements is opened by clicking on or tapping the context menu button (Figure 6). The right-click option previously used is no longer available. The context menu button can be found in the top right of each window for which there is a context menu available.

					- Anlage (r	not connected]		~ ¤ ×	
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🔵 OK 🛛 🔀 Error 🛱 Test 🧉	Blocked 😘 Updati	ing 🔵 Mas	ked					Save System Data	
Configure Groups Test Timer Bemote	Facilities System	Project							
	oysterr			~		~			
Maintained 🚫 Non-maintained 🚺 S	witching State Normal	🕖 Switching	g State Modified () Not Switc	hable 🕚 Timer	(O) IO Box		Find New Devices	
Registered nodes							🗊 🚥 Unknown nodes	a	
Name	▼ Address	Status	No. Luminaire I	No. Repeaters	No. 10 Boxes		Device Detail Dialog		
Anlage			36	0	0		Set capacity test duration for Luminaire 'Luminaire002'		
•		ĕ	16	0	0		Mask Luminaire 'Luminaire002'		
Luminaire001	401W	ĕ⊗∢					Mask Edminare Edminareouz		
Luminaire002	WOTC						Unmask Devices		
Luminaire003	E597	$\Theta \otimes \bigcirc$					Start Function Test for Luminaire 'Luminaire002'		
Luminaire004	WCKJ	⋹⋳⋞					Rename 'Luminaire002'		
Luminaire005	AD71	€€∢							
Luminaire006	FSD3						Move to group		
Luminaire007	PSNF						Delate Luminaire 'Luminaire0000'		
Notleuchte001	COTV						Delete Luminaire Luminaireouz		
Notleuchte002	2E50								
Notieuchteuus	YLVR								
Notieuchte006	UTOR								
Noticuchte007	20/201								
Notleuchte009	90.4W								
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Notleuchte011	GUKJ	-XX							
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Notleuchte017	5PF7	$\Theta \Theta \overline{\mathbb{Q}}$							
Notleuchte018	NR6M	$\Theta \Theta \overline{\mathbb{Q}}$							
Notleuchte019	D7K5	◉€∢							
Notleuchte021	8R0N	€€∢							
Notleuchte022	THGV	Θ					*		
	71103	<u> </u>							

Figure 6: Context menu for a device

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2 Introduction to the WirelessProfessional System

The WirelessProfessional system is a system for automatically testing safety lighting in accordance with DIN EN 62034. Figure 7 shows the components of a WirelessProfessional system and how they work. The emergency luminaires and other devices form a radio network, via which they communicate with the automatic test system. The automatic test system comprises a PC with the WirelessProfessional software (Figure 7 no. 4) and USB coordinator (Figure 7 no. 3). The USB coordinator establishes the connection between PC and radio network. The frequency of the radio network is 868 MHz.



- 1 Send/receive radius
- 2 Maintained emergency luminaire
- 3 USB coordinator
- 4 Computer
- 5 Repeater
- 6 IO box



Each device in the radio network has a send/receive radius (Figure 7 no. 1). The send/receive radius of the WirelessProfessional device is at least 30m indoors.

For it to be possible to pass data between two devices in the radio network, the one device must be in the send/receive radius of the other one. All the devices in a system must be linked to the USB coordinator of the automatic test system through an uninterrupted chain of devices, which are able to pass on data. Figure 8 shows a system, in which the radio connection to the three devices in the top right is interrupted. All other devices in the Figure are linked to the USB coordinator through an uninterrupted chain of devices and can communicate with it.

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Figure 8: Devices with radio connection to the USB coordinator (green) and devices with interrupted radio connection (red)

Tabelle 1 lists the device types available to the WirelessProfessional systems and their functions. Only the device types stated for WirelessProfessional systems may be used in WirelessProfessional systems.

Device type	Function
Maintained emergency luminaire	Luminaire for continuous lighting and for instances when the power supply to the general-purpose lighting fails
Non-maintained emergency luminaire	Luminaire for instances when the power supply to the general-purpose lighting fails
IO box	Device with digital inputs/outputs for issuing system statuses and triggering system functions externally
Repeater	Device for bridging the gap between two devices in the radio network if they are outside the send/receive radius

Table 1: Device types of the WirelessProfessional system

Each WirelessProfessional device has its own four-digit, alphanumerical address. The address can be found on the outside of the WirelessProfessional devices. In the WirelessProfessional software, devices are identified and assigned to the right mounting location by means of their address. A WirelessProfessional system may comprise no more than 1000 devices. A larger number of devices can be split over several WirelessProfessional systems.

2.1 Commissioning after Power Supply has Failed

Should the power supply fail, the emergency lighting goes into emergency mode. Once the power supply has been restored, the PC has to be switched on again using the On/Off switch in order for the automatic test system to start up. The Windows user account is logged into automatically and the WirelessProfessional software is launched automatically.

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2.2 Running Capacity Tests

A capacity test of WirelessProfessional emergency luminaires can only be undertaken if the mains operation was last interrupted (mains failure, fuse failure, capacity test) at least 24h ago.

When starting a capacity test, the WirelessProfessional system produces a schedule for starting the test on each emergency luminaire. Using this schedule, the capacity test is first started on the emergency luminaires with the longest autonomy time. If all emergency luminaires on the WirelessProfessional system have the same autonomy time, the test is started one after the other on each emergency luminaire.

If a manual capacity test is started and the test cannot be started on one or more emergency luminaires, the launch of the capacity test for these emergency luminaires is postponed by 15 minutes and/or the WirelessProfessional software tries to start it again. The WirelessProfessional software will try up to ten times to run a capacity test for the emergency luminaires before an entry is made in the inspection log book stating that the capacity test has failed.

Note: The time that the WirelessProfessional systems need to run a capacity test is more than the autonomy time of the emergency luminaires and increases in proportion to the size of the system. The end of the capacity test is also extended by 15 minutes each time the system tries to start the test.

2.3 Processor-Controlled Emergency Luminaires

In some WirelessProfessional emergency luminaires, battery charging is controlled by a microprocessor. This prevents function and capacity tests from being run if the battery has not been charged to the required end-of-charge voltage. Luminaires with this characteristic are described in the enclosed instructions as a "processor-controlled emergency light" or a luminaire with "integrated SelfControl monitoring".

2.4 Invalid Times due to Flat RTC Battery

If the following error message appears when launching the Wireless Professional software, the system date is invalid and/or the real time clock battery is flat and needs replacing.

Wron	ng Date	×						
The date is set to 01.01.1980. Erroneous date settings can cause problems. Please change the settings before you start the application.								
	\triangleright	ОК						

Figure 9: Error message indicating invalid system date

2.5 Protection Against Unauthorised Access

The active system can be protected from unauthorised access by activating full-screen mode. The password for the relevant user level will have to be entered to exit full-screen mode.

3 Installation

3.1 Before Commissioning the Automatic Test System

Before you commission the automatic test system, the emergency luminaires and other devices should have been fitted in the building and their addresses entered in the map. The 3rd address sticker, included in the scope of supply for each device, can be used for this purpose. All emergency luminaires and other devices, which are to be added to the safety lighting system during the installation process, must be in mains operation.

DIN EN 62034 requires a capacity test over the entire assessment period when commissioning an automatic test system. The batteries of the emergency luminaires must be fully charged (at least 20 h) for this capacity test. Ensure that all emergency luminaires have been in mains operation for a period of at least 24 h without any interruptions before starting the initial capacity test on the automatic test system.

3.2 Using the WirelessProfessional Software

If you are not yet familiar with how to use the WirelessProfessional software, it is essential that you read Section 1.3 about basic use of the software before you start the commissioning process!

3.3 **Connecting PC and USB Coordinator**

- Connect the PC power supply to a socket and connect the PC to the power supply.
- Connect the USB coordinator to a free USB port on the PC.
- **Important:** Use the USB cable provided to connect the USB coordinator to the PC. Always connect the USB coordinator to the PC directly and not via a USB hub.
- Boot up the PC with the On/Off switch.

The operating system launches automatically with the WirelessProfessional user account and the WirelessProfessional software is launched automatically. The connection to the USB coordinator is established automatically and the display in the application window's title bar changes from **[not connected]** to **[connected and running]**. If the connection to the USB coordinator is not established automatically, change the port manually as described below.

In the top left edge of the screen, click on **Options** and then **Serial Port** or click on the **Installation** tab and then **System**. This allows you to click on the **Serial Port** button and go to the drop-down menu for the serial port.

					- Anlage (n	ot connected]		~ ¤ ×
File Options Help								
Serial Port	Certiaero		01001010088201	010/0101010	18012			22 English a
Start Function Test	91010101			111		10100		and English .
Start Capacity Test	10101001		1001010101010101			80101:		😪 Help 🔹
But Macaga into Inspection Log	80100101			101101	10 (8)	ANGIO		
Put Message into Inspection Log	rentette	11010110111	acatematication	10110110101	TRI TRee			
Gene	ation Ne	etwork Inform	ation Cloud					
Toggle Fullscreen ("Kiosk-Mode") (ALT+ENTER)	• • • • • •	0						Dura Dura Dura
		ng 😈 Mask	ea					Save System Data
Configure Groups Test Timer Remote Facilities	System	Project						
0		• • • • •				Q		
Maintained (X) Non-maintained (V) Switching S	State Normal	Switching	State Modified () Not Switc	hable 🔛 Timer (O IO Box		Find New Devices
Registered nodes						តា	··· Unknown nodes	a
Name	 Address 	Status	No. Luminaire	No. Repeaters	No. 10 Boxes		Address	
Anlage		0	36	0	0		Luminaires: 0	
* 🚅 1.0G		0	16	0	0		Repeaters: 0	
Luminaire001	401W	$\otimes \otimes \bigcirc$					IO Boxes: 0	
Luminaire002	WOTC	Θ						
Luminaire003	E597	\otimes						
Luminaire004	WCKJ							
Luminaire005	AD71							
Luminaire006	FSD3							
Luminaire007	PSNF							
Notleuchte001	CUIV							
Notleuchte002	ZEOU							
Notleuchte005	LIVE							
Notleuchte007	753R							
Notleuchte008	2W2H							
Notleuchte009	904W							
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- 2.0G		0	9	0	0			
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Notleuchte014	X4T7	⋹⋳						
Notleuchte015	01UC							
Notleuchte017	5PF7	€€∢						
Notleuchte018	NR6M							
Notleuchte019	D7K5							
Notleuchte021	8R0N							
Notieucnteu22	THEV						*	

Figure 10: Serial Port drop-down menu accessed from Options

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In the next window, click on the black arrow to open the drop-down menu, select **USB Serial Port** and confirm with OK. The application window's title bar should then have changed to **[connected and running]**.

Note: The COM**x** details depend on the USB slot selected and so may vary.



3.4 Changing Password

- Select Login and enter the Installer password. The installer password is preset in the factory to 2222.
- Go to the Installation tab. Select the System tab from the bottom set of tabs. Select Change Installer Password.

File Options Help								
R)		as English • Of 60 As of • As						
General Alarm List Gro	ups Maps Email Installation Network Information Cloud							
📄 OK 😢 Error 🌼 Test 🔶 Blocked 🧐 Updating 💮 Masked Save System Dat								
Configure Groups Test	Timer Remote Facilities System Project							
	Serial Conne	tion						
	Installer	Contact Details						
First name:	Max							
Last name:	Mustermann							
Company:	ABC-Technik GmbH							
Phone:	030 1234567							
Email:	mustermann@abc-technik.de							
	System	Configuration						
System name:	Anlage							
Time to connection error:	2 hours -							
Time to connection error for IO Boxes:	2 hours -							
Emergency follow-up time	Manual Retraction -							
	Messag	e Queue Stats						
Commands waiting:	38							
Commands in execution:	1							

Figure 12: Changing password

• Enter the preset installer password. Enter a new password and re-enter it. Take a note of the new password.

Change Password	×
Old Password:	••••
New Password:	••••
Repeat New Password:	••••
	OK Cancel
Figure 13: Ente	ring password

3.5 Entering Contact Details and System Names

- Enter your contact details in the First Name, Last Name, Company, Phone and Email boxes.
- Enter a name in the **System name** box.
- Confirm the entries by clicking on Save System Data.

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3.6 Installing Devices in the System

Select Installation and Configure Groups. The Unknown nodes area shows the emergency luminaires and additional devices, which have a radio connection and which are not yet installed in a system. Ensure that all emergency luminaires and additional devices which have been fitted are powered by the mains and wait until all devices are listed in the Unknown nodes area.

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Figure 14: Devices available

Note: A different process is used to register devices with a wireless module of version 2.0 or higher. If not all devices are displayed in **Unknown nodes**, use the Find New Devices... button to start a new search.

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Ø	radio traffic, also in neighbouring systems.
	Vec No.

Figure 15: Searching for new devices

Confirm the notification by selecting Yes to search for new devices on your system.

• Now install all emergency luminaires and additional devices in the system. To do this, highlight all elements in the **Unknown nodes** area and drag the highlighted elements into the **Registered nodes** area.

Warning: During the installation, position the USB coordinator so that it has a direct radio connection with fewer than 50

devices (for details, see Section 8.13). $(\circ$ -) Maps Email Installation m List Groups Net nation Cloud 😢 Error 🏟 Test 🔶 Blocked 😋 Updating 🔵 Masked 🔵 ок Save System Data Configure Groups Test Timer Remote Facilities System Project 😥 Maintained 🚫 Non-maintained 🕢 Switching State Normal 🌔 Switching State Modified 🔵 Not Switchable 🕚 Timer 🔞 IO Box Find New Devices Registered nodes 🗊 … Unknown nodes **ð** · Address Address Status No. Luminaire No. Repeaters No. 10 Box
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 JQ38

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 IIII
 L9UR M380

Figure 16: Highlighting devices available

Note: If you do not want to install all elements from the **Unknown nodes** area: Press and hold the Ctrl key and highlight just those elements you want to add by clicking on the elements and dragging them into the **Registered nodes** area.

The WirelessProfessional software installs the added emergency luminaires and additional devices in the system. The remaining number of devices not yet installed is displayed in the first line of the **Registered nodes** area (**x devices not associated**). The time needed for this may vary depending on how the devices are arranged in the radio network and how far the installation has progressed (anything from several seconds to several minutes per luminaire).

Page 14

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Figure 17: Associating devices available

• Once all devices have been successfully installed in the system, the first line of the **Registered nodes** area shows the number of emergency luminaires, repeaters and IO boxes installed in the system.

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Figure 18: Devices successfully associated

• If you want to change the name of an installed device, open the device's context menu in the **Registered nodes** view and select **Rename 'NAME'**.

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Luminaire002	WOTC					Unmask Devices	
Luminaire003	E597	$\Theta \otimes \bigcirc$				Start Function Test for Luminaire 'Luminaire002'	
Luminaire004	WCKJ					Rename 'Luminaire002'	
Luminaire005	AD71					Add Group	
Luminaire006	FSD3					Move to group	
Luminaire007	PSNF					Delete Luminaire "Luminaire@00"	
Notleuchte001	CUIV						
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Notleuchte005	TLVR						
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Figure 19: Renaming devices

- If you want to switch the operating mode of an emergency luminaire between non-maintained and maintained operation, open the device detail window for the emergency luminaire in the **Registered nodes** area (also refer to Section 5.15.1) by double-clicking with the left-hand mouse button on the name of the emergency luminaire or tapping the name twice.
- Complete installation of the devices in the system by selecting Save System Data.

Installation and Software Operation

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3.7 Dividing Devices into Groups

1. If you want to divide system devices into groups, open the system context menu (first line of **Registered nodes** area) and select **Add Group to 'System'**.

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Luminaire004	WCKJ						
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Figure 20: Creating a group

2. Enter the name of the group in the Add Group to '<System>' window and then select OK.

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Group name:	1st floor		
		OK	Cancel
Eiguro	21. Group	name	`

Figure 21: Group name

The newly added group is added to the list in the **Registered nodes** area in alphabetical order. Under some circumstances, it will therefore not be visible in the part of the list on display.

3. Press and hold the Ctrl key and highlight all elements in the list that are to be added to the new group. Drag the highlighted elements to the new group. If the group is not visible in the part of the list currently on display, scroll through the part you can see until the new group appears by dragging the highlighted elements to the top or bottom edge of the **Registered nodes** area.

Installation and Software Operation

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Luminaire002	WOTC 🔵 🗧	\mathbf{V}			1UF8	
Luminaire003	E597 🔵 🤄	\mathbf{V}			2MTH	
Luminaire004	WCKJ 🔵	\mathbf{V}			2003 3F6R	
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Luminaire007	PSNF 🔵				5TCH	
Notleuchte001	COTV 🔵 🗧				6LQR	
Notleuchte002	2E50 🔵 🤅	\mathbf{V}			7E40	
Notleuchte003	YLVR 🔵 🤅	\mathbf{V}			86H8	
Notleuchte006	UY8R 🔵 🤅	••			BYVH	
Notleuchte007	753R 🔵	 €			958R	
Notleuchte008	2W2H 🔵 🗧)			AKN0	
Notleuchte009	904W 🔵 🗧	\mathbf{V}			CD18	
Notleuchte010	8PH6 🔵 🤄	\mathbf{V}			D5EH	
Notleuchte011	GUKJ 🔵 🤄	\otimes			DXSR	
* <u>2.06</u>	9	9	0 0		ER60	
Notleuchte013	6UV1 🔵	N N N N N N N N N N N N N N N N N N N			FJK8	
Notleuchte014	X4T7 🗨	Ø			GAXH	
Notleuchte015	01UC 💓	V			H4AR	
Notleuchte017	5PF7	€ V			HWQ0	
Notleuchte018	NR6M 🔤	€ V			JQ38	
Notleuchte019	D7K5	₩			KHGH	
Notleuchte021	8RON	N N N N N N N N N N N N N N N N N N N			L9UR	
Notleuchte022	THGV \varTheta	N N			M380	
	71103 04	• / 0				

Figure 22: Assigning devices to groups

- 4. Repeat steps 1-3 until all devices are divided into groups.
- 5. Complete division of the devices into groups by selecting Save System Data.

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3.8 Maps

The WirelessProfessional software provides the option of integrating maps and positioning installed devices on them. The mounting location of a device can therefore be found quickly when required. The maps must exist in .png, .bmp or .jpg format. The maximum size of the maps is 10 mega pixels. Larger maps cannot be loaded into the WirelessProfessional system.

3.8.1 Integrating Maps

1. Select the **Maps** tab.

	~ • ×
File Options Help	
	ae English ← @ Help ←
General Alarm List Groups Maps Email Installation Network Information Cloud	
 OK (S) Error (B) Test (C) Updating (C) Masked Maps in system: 	Toggle Map View Save System Data

Figure 23: Maps in general

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2. Open the context menu of the Maps in system area and select Add New Map.

File Options Help		
	0100 1000 1000 1000 1000	aa English → @ Help →
General Alarm List Groups Maps Email Installation Network Information Cloud		
General Alarm List Groups Maps Email Installation Network Information Cloud OK OK Error Test Blocked Updating Masked Maps in system:		Toggle Map View) Save System Data

Figure 24: Adding new map

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3. Go to the file dialogue for the data carrier on which the maps are located. Highlight the maps you want to add, and confirm the selection by clicking on Open.

	ireles:Professional > Softwarehandouch	 Sourcen > Gebäudepläne 		A D	depiane burchouchen
panisieren w Neue	er Ordner				1. • II
Diara PC	Name	Änderungsdahum	Typ	Gr5Be	
BD-Cbjekte	R floor plan 1st floor.png	01,08,2011 14:25	PNG-Bild	55 KB	
Biter	😹 floor plan 2nd floor prog	01.08.2011 14:26	PNG-BIU	40.13	
Designa	M filoor plan 3rd floor.png	65/4F 1105/80/P3	PNG-BH5	49 KB	
d Deixmonte	Riner plan basement.prog	04.08.2011 14:25	PNG-Bits	63.68	
Develoada	The hugers	01/08/2011 14:25	PNS BIJ	62.88	
14 al					
Videos					
 System (C) 					
Datase (Dt)					
E Daten-Sate (V)D					
e Uebergabe (AAF					
Ecod90 (\\RPSLF					
Austanch (\\/0.					
× ×					

Figure 25: Selecting files

4. Open the context menu of an added map and select **Rename Map <Name>**.

			~ = ×
File Options Help			
			aa English ←
General Alarm List Groups Maps Email Installation Network Information Cloud			
🔵 OK 🔞 Error 🏚 Test 🔶 Blocked 🌄 Updating 🖨 Masked			Toggle Map View Save System Data
Maps in system:	a		
FG		Add New Map	
1.06		Rename Map 'EG'	
2. OG		Delete Map 'EG'	
		Switch to Map View of 'EG'	

Figure 26: Renaming map

- 5. Enter a meaningful name for the map and confirm the entry by clicking on OK.
- 6. Repeat steps 4 and 5 for all maps.

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3.8.2 Positioning Devices on the Map

• Select Toggle Map View.

	- Anlage [not connected]	~ ¤ ×
File Options Help		
		aa English → @ Help →
General Alarm List Groups Maps Email Installation Network Information Cloud		
🕞 OK 🚯 Error 🛱 Test 🔶 Blocked 🌄 Updating 🖨 Masked		Toggle Map View Save System Data
Maps in system:	a	· · · · · · · · · · · · · · · · · · ·
EG		
1. OG		
2.06		

Figure 27: Toggling map view

1. Select the map on which devices are to be positioned from the drop-down selection box.



Figure 28: Selecting map

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2. Use the slide control to adjust the scale and use the scrollbars below and to the right of the map to select the relevant image section.

File Options Help		
		a≊English ▼ @ Help ◆
General Alarm List Groups Maps Email Installation Network Inform	ation Cloud	
🔵 OK 🛛 🔞 Error 🗳 Test 🔶 Blocked 🎦 Updating 🔵 Mas	red	Reset Node Positions Toggle Map View Save System Data
Repeater Maintained 🚫 Non-maintained 🔟 IO Box		
Name 27	5 % 📕 EG	
Repeater001 (08NR) Luminaire001 (1220) Luminaire002 (2MTH) Luminaire003 (2MTH) Luminaire005 (47L0) Luminaire005 (47L0) Luminaire005 (6078) Luminaire007 (5074) Luminaire007 (5074) Luminaire007 (5074) Luminaire007 (5074) Luminaire008 (60.0R) Luminaire010 (86H8) Luminaire011 (8YVH)		

Figure 29: Scaling view

3. Drag the devices from the left-hand area into the map and position them.

- Anlage [not connected]	~ ¤ ×
File Options Help	
	₩ English • W Help •
General Alarm List Groups Maps Email Installation Network Information Cloud	
OK Control Former Test Segeet Node Positions Test Repeater Maintained Non-maintained ID Box Test	oggle Map View Save System Data
Name 276% E6 13 Lumnare001 (00000) E6 13 Lumnare004 (00149) E6 14 E6 E6 15 Lumnare004 (00149) E6 15 Lumnare004 (00149) E6 15 Lumnare004 (00149) E6 15 Lumnare004 (00149) E6 16 Lumnare004 (00149) E6 16 Lumnare004 (00149) E6 17 E6 E6 18 Lumnare004 (00149) E6 19 Lumnare01 (00149) E6 10 Lumnare010 (7540) E6 10 Lumnare010 (840) E6 10 Lumnare012 (87VH) E6 11 Lumnare012 (87VH) E6 12 Lumnare012 (87VH) E6	

Figure 30: Positioning devices

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- 4. Repeat steps 1-3 until all devices are positioned on the maps.
- 5. Complete positioning of the devices on the maps by selecting Save System Data.

Note: Each emergency luminaire and/or each device can only be positioned once and only in one map.

Note: We would recommend regularly saving your changes.

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3.9 Setting up Automatic Test

- Select the **Installation** tab. Select the **Test** tab from the bottom set of tabs.
- In the **Capacity test** area in the drop-down **Interval** selection box, select the period between two automatic capacity tests for the emergency luminaires. DIN EN 62034 requires a maximum interval of one year between two automatic capacity tests.
- Enter the time at which the capacity test is to start in the **Time** box. Select a time at which the building is not occupied. Alternatively, DIN EN 62034 allows the capacity test to be triggered manually in buildings which may be occupied at any time. In these cases, select **Manually** as the interval.
- In the calendar in the **Start date**box, select the date for the next capacity test. Select a date, which is no more than one year in the future.
- In the **Function test** area, also select an interval and time for the automatic function test. DIN EN 62034 requires a maximum interval of one month between two automatic function tests.
- If you have selected **Weekly** as the interval, in the drop-down **Weekday** selection box, select the day of the week on which the function test is to be carried out.
- Complete the settings by clicking on Save System Data.
- If necessary, please note other valid national provisions or other provisions required by building law relating to capacity and function tests.

eral Alarm List	Groups Maps Email Installation Network Information Cloud r			Save Sy
apacity test	Vearly	Function test	Weekly	
ime:	22:00	Time:	08:00	
		Weekday: Start date: Next function te	Monday	
Sun 35 25 36 1 37 8 38 15 39 22 40 29 lext capacity test:	September 2024 Mon Tue Wed Thu Fri Sat 26 27 28 29 30 31 2 3 4 5 6 7 9 10 11 12 13 14 16 17 18 19 20 21 23 24 25 26 27 28 30 1 2 3 4 5			

Figure 31: Timer settings

Note: If systems have more than 100 registered luminaires/devices, the function test command is only sent out for 100 luminaires at a time to minimise the amount of wireless traffic. The function test for the next 100 devices starts once the function test of the previous 100 devices is complete.

Note: As explained in Section 2.2, capacity tests are started on the basis of a schedule. Unlike the explanation provided in Section 2.2, the start of the test for an automatic capacity test is only postponed 3 times in every 24h.

3.10 Capacity Test during Commissioning

DIN EN 62034 requires a capacity test over the entire assessment period when commissioning an automatic test system. The batteries of the emergency luminaires must be fully charged (at least 24h, see Section 2.2 and 2.3) for this capacity test.

- Select the **General** tab
- Press the Start Capacity Test button

If the batteries of individual luminaires are exhausted before the capacity test is completed, repeat the process including a full charge (at least 24h).

To complete commissioning, reset the maintenance interval by going to "Help" -> "Maintenance" and clicking on the "Confirm Maintenance" button. The reminder for running maintenance again will start from this time in 365 days.

File Options Help		
		aaEnglish ▼ @ Help ▼
General Alarm List Groups Maps Email Installation Network Information	Cloud	
🕞 OK 😢 Error 🌞 Test 🔶 Blocked 🕃 Updating		Activate Energy Save Block Luminaires Logout Start Function Test Start Capacity Test Abort Test Retract Emergency Follow-Up
Name	No. Groups	Status
Anlage	0	Operational

Figure 32: Starting capacity test

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4 Software Installation

This section relates to systems supplied without a PC. If systems have been supplied with a PC, the WirelessProfessional software will already be installed on the PC.

4.1 System Requirements

Component	Minimum requirement
Processor	Intel Atom N455 1.6 GHz
RAM	1024 MB DDR3-RAM
Hard disk	32 GB SSD
Display	25.7 cm (10.1") screen size, resolution 1024x600 pixels
Graphics	Intel GMA 3150
Ports	2 x USB 2.0
Operating system	Windows 7/8/10, 32- and 64-bit version

4.2 Installation

• Open the context menu of the WirelessProfessional_Setup_x.x.exe file. (x.x represents the version number) and select Run as administrator.

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111-1	Name *	Interpretation type mitter	
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		Britaneron.	
		Epinorhaften	

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• Enter the administrator password in the dialogue box of the user account controller and confirm with Yes.



• Select the language to be used during the installation process.



Figure 35: Selecting language

• Select Next in the setup dialogue.



Figure 36: Setup dialogue

• Read the information provided about the installation directory and select Next.



Figure 37: Setup dialogue

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• Select a start menu folder for the program links and then select Next.



Figure 38: Setup dialogue

• Select whether a desktop symbol is to be created and then select Next.



Figure 39: Setup dialogue

• Select Install. The software and the drivers required are installed.

15 Setup - WirelessProfessional	-		×
Ready to Install Schup is now ready to begin installing WirelessProfessional on y	our conputer.		Ð
Click Install to continue with the installation, or click Back IF you change any settings.	want to review	r ar	
Start Hone Safer: Wikida Metasanal Additional Index Additional Index Create a desktop con		,	
<	Instal	>	, ncel

Figure 40: Setup dialogue

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• To complete the setup wizards, select Finish. The WirelessProfessional software is launched.



Figure 41: Completing installation

Note: The CPC Viewer and CPC File manager programs are needed if remote access to a remote system is to be set up.

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5 Removing Devices from the WirelessProfessional System

This section explains how devices are removed from the WirelessProfessional system. You must be logged in to the WirelessProfessional software as an installer in order to remove devices. Then go to the **Installation** tab and call up the installation view for the WirelessProfessional software.

One or more devices or a group of devices can be removed from the system. Highlight the device or group by tapping on it. Once the selection has been made, use the context menu button to select the context menu and then select **Delete Luminaire 'NAME'**. Alternatively, the devices or groups can be dragged & dropped out of the **Registered nodes** area into the **Unknown nodes** area.



Figure 42 Registered nodes context menu

When devices are removed from the **Registered nodes** area, a specific de-association command is issued wirelessly for each device by the WirelessProfessional software. When the de-association command is received by the device, the system ID saved in the device is reset, meaning that the device is no longer part of the WirelessProfessional system. Resetting the system ID resets the device to the initial configuration.

The address of the removed devices is shown in the **Unknown nodes** area.

When removing devices, a distinction is made between whether the device can still be accessed using wireless technology or whether the wireless connection has been lost.

Note: If a device is removed from the WirelessProfessional software, the test history for this device is closed. If the device is reassigned, the WirelessProfessional software starts a new test history for this device. Existing histories are not continued.

5.1 **Removing Devices that can be Accessed using Wireless Methods**

Once devices have been removed from the WirelessProfessional software as described above, the devices can be disconnected from the power supply. When the power supply is disconnected, devices with an emergency light function are powered from the battery. Disconnecting the battery from the electronics stops the emergency mode.

Once the device has been fully de-energised for around 15 minutes, the device's address disappears from the **Unknown nodes** area.

This process should be used if devices are to be removed and reused. When the device is started up again, its address will be displayed in the **Unknown nodes** area in the WirelessProfessional software.

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Note: The WirelessProfessional software sends a de-association command to the selected devices. The recipient does not confirm that this command has been received. The WirelessProfessional software therefore has no means of checking whether the command is received and processed in the devices.

Note: De-associated devices start by issuing association requests. When removing several devices or when removing a group of luminaires, instances may therefore arise in which not all devices receive the de-association command.

5.2 **Removing Devices that cannot be Accessed using Wireless Methods**

If a device cannot be accessed using wireless methods and if it is removed from the WirelessProfessional software in this state, then the device does not receive the de-association command issued by the WirelessProfessional software. As a result, the device itself is still considered to be a node registered on the WirelessProfessional software.

The process for removing devices that cannot be accessed using wireless methods should be used with defective devices, for example, because they are not typically started up again.

When the device is started up again, its address will not be displayed in the **Unknown nodes** area in the WirelessProfessional software.

Note: If this device is started up again within the wireless range of the WirelessProfessional system from which it was previously removed, this may produce incorrect status messages in the WirelessProfessional software and potentially result in devices behaving incorrectly.

5.3 Resetting the System ID of Previously Removed Devices at a Later Date

If the system ID was not reset when removing the device from the WirelessProfessional software, there is a way of issuing a specific de-association command for the device wirelessly via the WirelessProfessional software.

For the system ID reset in the device to work, the device must be connected to the power supply. The USB coordinator must also have wireless access to the device and the 4-digit device address must be known.

You must be logged in to the WirelessProfessional software as an installer. Then go to the **Installation** tab and call up the installation view for the WirelessProfessional software.

In the context menu in the Unknown nodes area, select Add New Luminaire.

			- Anlage [not connected]		~ ¤ ×
File Options Help					
		(((i⊞ English ▼ @ Help ▼
General Alarm List Groups Maps	Email Installation Network Infor	mation Distributor Clo	ud		
🔵 OK 😢 Error 🏟 Test	🔶 Blocked 😋 Updating 🔵 Ma	sked			Save System Data
Configure Groups Test Timer Ren	note Facilities System Project				
		0			
Maintained 🚫 Non-maintained 🕢) Switching State Normal 🚺 Switchir	ng State Modified 🔘 Not	Switchable 🕚 Timer Ю IO Box		Find New Devices
Registered nodes				🗊 \cdots Unknown nodes	a
Name	 Address Status 	No. Luminaire No. Repe	aters No. 10 Boxes	Address	Add to group
Anlage		36 0	0	Luminaires: 40	Delete Device '08NR'
* 🚅 1.0G	ē -	16 0	0		Add New Luminaire
Luminaire001	401W (17) 🔵 🛇 🕢			1220 (0)	Add New Depenter
Luminaire002	WOTC (17) 🔵 🛃 🕢			10F8 (0)	Add New Repeater
Luminaire003	E597 (17) 🔵 🛇 父			2MTH (0)	Add New IO Box
Luminaire004	WCKJ (17) 🛛 🕞 🕀 🕢			413 3F6R (0)	
Luminaire005	AD71 (17) 🔵 🛃 🕢			47L0 (0)	
Luminaire006	FSD3 (17) 🔵 🔂 🚺			50Y8 (0)	
Luminaire007	PSNF (17) 🔵 🛃 🕢			5TCH (0)	
Notleuchte001	COTV (17) \varTheta 🔂 🕢			6LQR (0)	
Notleuchte002	2E50 (17) 🔵 🛇 父			7E40 (0)	
Notleuchte003	YLVR (17) 🔵 🛇 父			443 86H8 (0)	
Notleuchte006	UY8R (17) 🔤 🛃 🚺			BYVH (0)	
Notleuchte007	753R (17)			958R (0)	
Notleuchte008	2W2H (17)			AKNU (U)	
Notleuchte009	904W (17) 💓 🛃			CD18 (0)	
Notleuchte010	8PH6 (17)			DSEH (U)	
Notleuchte011	GUKJ (17)			DXSR (U)	
• <u>2.06</u>		9 0	0	ER60 (0)	
Notleuchte013	60V1(17)			FJK8 (U)	
Notieuchte014					
Notieuchte015				H44R (0)	
Notieuchte017				1038 (0)	
Notieuchte018				2029 (0)	
Notieuchte019					
Notleuchte021				LSOR (0)	
INOtiedCrite022				(U) (U)	×

Figure 43 Unknown nodes context menu

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A window entitled **Address for the New Device** opens. The device's 4-digit address at which the system ID is to be reset is entered in the text box.



Figure 44 Entering address for the new device

Once the 4-digit device address has been entered, confirm by pressing the **Delete** button. The WirelessProfessional software now issues a specific de-association command to the device. During this process, the device is listed as **TempNode[Address]** in the **Registered nodes** area and removed again automatically once the process is complete.

Note: If there is a lot of wireless traffic, you may need to press the Delete button several times.

Close the **Address for the New Device** window by pressing the Close button. If the system ID reset was successful, the 4-digit device address will appear in the **Unknown nodes** area.

Note: If the window is closed using the OK button, the 4-digit device address is written to the **Unknown nodes** area. You cannot then check whether the system ID has been reset successfully.
6 Masking Devices on the WirelessProfessional System

This section explains how the function for masking devices on the WirelessProfessional system can be used.

If a device is masked in the WirelessProfessional software, this means that pending error messages for this device are no longer displayed in the WirelessProfessional software. The masked device is not checked during the WirelessProfessional system's function or capacity test.

Masking devices is a function in the WirelessProfessional software, which can be used to take devices out of operation in a planned manner for a limited period, e.g. for restoration or alteration work.

When devices are masked and not removed from the WirelessProfessional software,

- their test history is retained
- the WirelessProfessional software still knows the 4-digit wireless address
- a space is reserved for the masked device in the address space
- group arrangements and map assignments are also retained

In order to illustrate how the WirelessProfessional software's masking function works in a relevant real-life situation, let's take the example of an installation with a total of 100 devices registered to the WirelessProfessional software.

During the course of alteration work, 10 devices are taken out of operation or disconnected from the mains voltage.

Since 10 devices are taken out of operation, this will result in the WirelessProfessional software issuing an event device error and going into fault mode. The 10 devices are therefore masked, resulting in the WirelessProfessional software again reporting an error-free system status.

While the 10 devices are out of operation, 5 new devices are registered on the WirelessProfessional software.

There are now 105 devices registered on the WirelessProfessional software. Of the 105 devices, 10 are masked, which means that the WirelessProfessional software is monitoring and checking 95 devices.

Once the alteration work is complete, the 10 devices, which were taken out of operation, are switched on again and the masking in the WirelessProfessional software is cancelled, meaning that 105 devices are now being monitored and checked.

Note: The WirelessProfessional software also attempts to associate the masked devices. If they cannot be accessed wirelessly, communication errors may occur and slow down checking. The process of re-associating devices can be started by e.g. changing a coordinator or receiving a "Reconnect All Devices" command from a neighbouring system.

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7 Cloud Connection

This section explains how to connect WirelessProfessional systems to the LIGHTLINX Internet portal at RP-Technik (www.lightlinx.com), (hereinafter referred to as "cloud"). We will describe how to set up cloud access, the significance of the monitoring symbols and show interactions with the cloud.

From software version 3.0 onwards, the WirelessProfessional software provides scope for connecting to the cloud.¹ The cloud connection option turns the WirelessProfessional control centre into an IoT device that can be addressed directly.

The WirelessProfessional software's cloud connection is not activated upon delivery.

7.1 Activating Cloud

Select the **Cloud** tab and press Activate Cloud to activate the cloud connection.

When cloud connection is activated, the cloud symbol appears in the form of a cloud in the top banner on the left next to the language selection and Help menu.

The browser set as default is opened and shows the cloud log-in page. A user registered for the cloud needs to log in to the browser and agree to the conditions of use and privacy policy (this only has to be done once). Once log-in is complete, the Browser tab in which the user logged in, prompts the user to close this tab.

Cloud connection is then complete.

The user who logged into the cloud can now see and manage the project in the cloud.

File Options Help	
R.	
General Alarm List Groups	s Maps Email Installation Network Information Cloud
Cloud is activated.	Sign In Upload Inspection Log Deactivate Cloud Save Cloud Settings
Project Name:	
Azure Api Url:	
Azure Api Port:	
Azure Api Authority:	
Azure Api Client Id:	
Azure Host Name:	
Azure Functions Url:	
Azure Functions Port:	
Terms Display Port:	
User Token Port:	
Azure Api Timeout (s):	60
IOT Hub Message Timeout (s):	: 60
Display Name:	Cloud
Display Error after Interval (m):	
Auto Close Browser:	
IUT Hub Use Web Sockets:	

Figure 45 Cloud view

The WirelessProfessional control centre will now transfer status information to the cloud on a regular basis. From this point on, there is no need for the user to log in again because at the time of registration in the cloud, the WirelessProfessional control centre is given permanent access to the cloud, allowing it to upload status information.

Note: Because a personalised login is undertaken when activating the cloud connection, the WirelessProfessional software receives extended rights for a limited period (24 hours). These are needed not only to log the control centre onto the cloud but also for certain additional actions (such as cloud synchronisation when adding/deleting devices or maps). If these actions are undertaken after this time window has lapsed, another personalised login will be needed. In this case, the WirelessProfessional software displays a note in the top right on the relevant tab view informing the user that a personalised login is needed, see Figure 46 Installation area, personalised cloud login required. Log in to the cloud as described in Section 7.3.

¹ Cloud connections are only available for selected distributions

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				- Anlage [not connected]		~ ¤ ×
File Options Help						
	eereener 1910000 (Construction) 2010000 (Construction) 20101 (Construction) 2010 (Constructio	00100101000002 010 1010000101010101 100010101010101010	((()			EB English ·
General Alarm List Groups Maps E	Email Installation Network Inform	nation Distributor	Cloud			
🔵 OK 🛛 🙆 Error 🔹 Test 🔌	簲 Blocked i 😋 Updating 🔵 Mas	ked				Cloud Login required Save System Data
Configure Groups Test Timer Remot	e Facilities System Project					
		6	、 、	* •		
Maintained 🚫 Non-maintained 🚺 S	Switching State Normal 🚺 Switchin	g State Modified 🤇) Not Switch	able 🜔 Timer Ю IO Box		Find New Devices
Registered nodes					🗊 \cdots Unknown nodes	a
Name	 Address Status 	No. Luminaire No	. Repeaters N	lo. IO Boxes	Address	
Anlage	(1)	36	0	0	Luminaires: 40	
👻 🚛 1.0G	ē	16	0	0	60) USNR (0)	
Luminaire001	401W (17) 🔴 🛇 🕢				III 1220 (0)	
Luminaire002	WOTC (17) 🔵 🖸 🕢				1UF8 (0)	
Luminaire003	E597 (17) 🔵 🛇 🕢				2MTH (0)	
Luminaire004	WCKJ (17) 🔵 🔂 🕢				445 JF6R (0)	
Luminaire005	AD71 (17) 🔵 🔂 🕢				47L0 (0)	
Luminaire006	FSD3 (17) 🔵 💽 🚺				50Y8 (0)	
Luminaire007	PSNF (17) 🔵 🛃 🕢				ETCH (0)	
Notleuchte001	COTV (17) 🔵 🕞 🕢				6LQR (0)	
Notleuchte002	2E50 (17) 🔵 🛇 🕢				2E40 (0)	
Notleuchte003	YLVR (17) 🔵 🛇 父				6H8 (0)	
Notleuchte006	UY8R (17) 🔵 🛃 🚺				8YVH (0)	
Notleuchte007	753R (17) \varTheta 😡				958R (0)	
Notleuchte008	2W2H (17) \varTheta 😡				AKN0 (0)	
Notleuchte009	904W (17) \varTheta 🛃 🕢				CD18 (0)	
Notleuchte010	8PH6 (17)				D5EH (0)	
Notleuchte011	GUKJ (17) ₩ 🔤 🛇 🕢				DXSR (0)	
* <u>2.06</u>		9	0	0	ER60 (0)	
Notleuchte013	6UV1 (17)				FJK8 (U)	
Notleuchte014	X4T7 (17)				GAXH (U)	
Notleuchte015	0100 (17)				H4AR (U)	
Notleuchte017	5PF7 (17)				HWQ0(0)	
Notieuchte018					JU38 (0)	
Notieuchte019					KHGH (U)	
Notieuchte021	8HUN (13)				L90H (0)	
Notieucnteu22	THOV (17)				VI380 (0)	· · ·
					· · · · · · · · · · · · · · · · · · ·	

Figure 46 Installation area, personalised cloud login required

Note: When the cloud connection is activated, the WirelessProfessional emergency lighting system can be seen as a project in the cloud account of the user, whose personalised login is being used. If a new personalised login is required at a later point, the user in question must have cloud access to the project at that point in time. This means that it either needs to be the same user as before or a user who has previously been given access to the project by means of sharing or handover. If the user does not have access to the project, an error message is displayed.

Note: To view information about the current cloud status, click on the cloud symbol in the top banner.

Note: If the Cloud tab is not appearing despite having logged in with the installer password, then cloud connection is not supported for this distribution.

7.2 Deactivating Cloud

Select the **Cloud** tab and press Deactivate Cloud to deactivate the cloud connection.

This means that no more uploads will be made to the cloud. The cloud symbol is also no longer shown in the top banner. The cloud access created internally for data uploads during the previous cloud activation is retained and is used again when the cloud is reactivated, meaning that a personalised login is not required to (re)activate the cloud connection.

7.3 Signing In

Select the **Cloud** tab and press Sign In to log into the device for 24h with your personalised cloud login.

Once the button has been pressed, the default web browser is opened and shows the cloud login page. When you sign in with a personalised login, the WirelessProfessional software receives extended rights for a limited period (24 hours). These are needed for certain additional actions. The WirelessProfessional software indicates when a personalised login is required.

Note: If there are cloud upload or download errors present, it may take up to 1 minute for the web browser to launch.

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File Options Help			
R.		Error C501 occured 2 times today: PUT ; Status 404 ; http: 	ps://wb
General Alarm List Groups	s Maps Email Installation Network Information Cloud		
Cloud is activated.		Sign In Upload Inspection Log	Neactivate Cloud Save Cloud Settings
Project Name:			
Azure Api Url:			
Azure Api Port:			
Azure Api Authority:			
Azure Api Client Id:			
Azure Host Name:			
Azure Functions Url:			
Azure Functions Port:			
Terms Display Port:			
User Token Port:			
Azure Api Timeout (s):	60		
IOT Hub Message Timeout (s):	: 60		
Display Name:	Cloud		
Display Error after Interval (m):): 1		
Auto Close Browser:			
IOT Hub Use Web Sockets:			
	Figure 47 Cloud view inc	licating arrays	
	Figure 47 Cloud View Inc		

If the personalised login does not have access rights for the project, error C501 is issued. Error C501 is reset by the 24h timeout for automatically logging out of the cloud, by issuing access rights to the cloud project or by using a personalised cloud login *with* access rights to the project.

7.4 Uploading Inspection Log

Select the **Cloud** tab and press Upload Inspection Log to upload the current status of the inspection log files to the cloud. This does not require a personalised cloud login.

When the button is pressed, the version of the inspection log file present in the cloud is replaced by the version from the Wireless-Professional control centre.

An automatic upload takes place at the end of every capacity test.

If the file size limit of the inspection log file has been reached and a new inspection log file is created, the now inactive inspection log file is uploaded automatically.

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7.5 Cloud Status Display

When the cloud connection is activated, the graphic cloud status box is activated in the WirelessProfessional software's top banner. The following symbols are shown here depending on any current communication traffic with the cloud.

Symbol	Meaning
	Cloud connection active, no uploads or download in progress
	Cloud connection fault, no uploads or download in progress
	Cloud connection active, download from the cloud in progress
	Cloud connection active, the last download from the cloud caused an error
	Cloud connection active, upload to the cloud in progress
	Cloud connection active, the last upload to the cloud caused an error
	Cloud connection active, upload and download in progress
	Cloud connection active, the last upload and download caused an error

Table 2: Cloud status symbols

7.6 Classes of Error Code

Various errors relating to the cloud connection may arise. These can be grouped into classes of error code as shown in Table 3 below.

Error code ID	Meaning
C0xx	External error
C1xx	Log entries and info
C2xx	General error on the part of the control centre upon contact with the cloud
C3xx	General error on the part of the cloud upon contact with the cloud
C4xx	Authentication/log-in error
C5xx	LIGHTLINX web API error

Table 3 Cloud error classes

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8 Software Operation Reference 8.1 Symbols

This section explains the symbols used in the WirelessProfessional software.

Table 4 lists the colour symbols for operating statuses. The priority of a status means that the status with the highest priority is displayed for a device or group for which several statuses apply. For example, the blue colour symbol (emergency luminaire is being tested) would be displayed for a group containing an emergency luminaire with a battery error and an emergency luminaire which is being tested because its priority is higher than that of the red symbol (error message). One exception from this is communication errors, which arise during a test: Should they arise, a red colour symbol is displayed for the device and/or group in question rather than the blue symbol to draw attention to the error.

Symbol		Priority	Meaning
Θ	Yellow	5	Status is being updated
	Blue	4	Emergency luminaire(s) is(are) being tested
-	Red	3 ¹	Error message(s)
	Orange	2	Emergency luminaire(s) in remote inhibiting mode
	Green	1	No error message
	Grey	-	Emergency luminaire(s) is(are) masked

¹ Communication errors, which arise during a test, are displayed with a higher priority than the test.

Table 4: Colour symbols

8.2 Status Symbols

Symbol	Meaning
$\mathbf{\Theta}$	Maintained emergency luminaire
\otimes	Non-maintained emergency luminaire
	The switching status of the emergency luminaire corresponds to its operating mode (switched-on emergency luminaire in maintained operation and/or switched-off emer- gency luminaire in non-maintained operation)
	The switching status of the emergency luminaire does not correspond to its operating mode (switched-off emergency luminaire in maintained operation and/or switched-on emergency luminaire in non-maintained operation)
0	Group/system is linked to the input/output of an IO box

Table 5: Status symbols

8.3 **Operating Statuses**

Table 5 shows an overview of the special operating statuses of a WirelessProfessional system. Further explanations about the operating statuses can be found in the glossary (Section 13).

Operating status	Non-maintained emer- gency luminaires, switchable	Maintained emer- gency luminaires, switchable	Function/capac- ity test possible	Emer- gency mode possible
Energy save	Off	Off	Yes	Yes
Activate	Off ¹	On	Yes	Yes
Fire alarm	On	On	No	Yes
Block emergency luminaires	Off	On	No	No

¹Switchable non-maintained emergency luminaires are not switched by the **Activate** function. Switched-off emergency luminaires remain switched off and switched-on emergency luminaires remain switched on.

Table 6: Operating statuses

8.4 Status Messages

Table 7 lists the status messages for the WirelessProfessional software and explains the meaning of them.

Status message	Meaning
System is being booted	The system is checking that all devices can be reached
Update	The status of devices is being changed
Device not associated	Device installation in the system is not yet complete
Block x emergency luminaires	x emergency luminaires are still to be put into remote inhibiting mode
Unblock x emergency luminaires	Remote inhibiting mode still needs to be terminated for x emergency luminaires
Fire alarm status expiring	Once the fire alarm overrun time has expired, the emergency luminaires are switched off again
Operational	At least one switchable emergency luminaire is switched on
Stand-by operation	All switchable emergency luminaires are switched off or the system only consists of luminaires which cannot be switched
Error on x devices	Error messages for x devices
Fire alarm status activated by IO box	Fire alarm (signal at fire alarm input of IO box enabled). All switchable emergency luminaires are switched on.
Fire alarm status is in overrun time	Fire alarm terminated (signal at fire alarm input of IO box no longer enabled). The system is in fire alarm overrun time. Switchable emergency luminaires remain switched on until end of overrun time.
Start test on x devices	Testing of x devices is being started
Inspection	Status message during a test
End test on x devices	The test is completed and the test results are being transferred from the emer- gency luminaires
Capacity test postponed on x devices ²	The test could not be started on x so there is a delay before attempting to start it again.
x emergency luminaires are blocked	x emergency luminaires are in remote inhibiting mode

Table 7: Status messages

² Manual capacity test or automatic capacity test

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8.5 Error Messages

Table 8 lists the error messages for the WirelessProfessional software and explains the meaning of them.

Error message	Meaning	Possible cause		
Invalid device	A device is responding with an unknown type	Device firmware is more up-to-date than Wire-		
	identification	lessProfessional software		
Connection lost	The radio connection to a device is inter-	Device is in emergency mode		
	rupted	Fault in radio connection to device		
Battery error	The battery voltage has been outside the tol-	Battery not connected		
	erance range for 1h	Incorrect battery connected		
		Battery has suffered excessive discharge		
<u>.</u>		Battery defective		
Last test	The radio connection was interrupted during	Fault in radio connection to emergency lumi-		
failed:	the test or once the test was completed	naire		
Connection error				
Last test	The luminaire is still being tested at the point	The luminaire is checking the full autonomy		
falled:	at which the wirelessProfessional software	time while a 2/3 test has been started in the		
Luminaire fault: test still	accesses the test result	WirelessProfessional software.		
running	The wireless module was not able to read a	Fault in connection between wireless module		
failed	tost result from the luminaire	and luminaire electronics		
luminaire fault: no test re-				
sult				
Last test*	Battery error during the test	Battery not connected		
failed:		Incorrect battery connected		
Battery error		Battery has suffered excessive discharge		
		Battery defective		
Last test [*]	Illuminant error during the test	Illuminant not connected		
failed:		Illuminant defective		
Illuminant error		Switch device defective		
		Illuminant current too low		
Last test [*]	A capacity test cannot be carried out because	Luminaire connected before less than 24h or		
failed:	the luminaire had not been charged for long	recently experienced power supply failure		
Not charged for long	enough			
enough		· · · · · ·		
Last test	A test cannot be started because there is al-	An attempt was made to start another test		
failed:	ready a test running	even though a test is already. Multiple at-		
lest already running		tempted starts are also possible via the timer.		
Last test	A capacity test cannot be carried out because	A luminaire with processor-controlled charging		
Talled:	the luminaire had not been charged for long	is currently charging the battery – e.g. following		
Last test*	The luminaires are in the recharge phase fol-	An attempt was made to start a function test in		
failed [.]	lowing a capacity test	the recharge phase		
Recent capacity test				
Last test*	Association to luminaire lost	The luminaire was not associated with the sys-		
failed:		tem at the start of the test		
Not associated				
Last test [*]		A test was started while in the fire alarm status		
failed:		(first status emergency mode)		
Fire alarm status enabled				
Last test*	The test was not performed on this lumi-	The luminaire was masked or invalid when the		
failed:	naire.	test was started.		
Not performed		The luminaire is part of a group of luminaires		
		that was to perform a test, but the test for this		
		group was cancelled before the test for this lu-		

Table 8: Error messages of the WirelessProfessional system

8.6 User Levels

The rights for accessing the WirelessProfessional software functions are split into several user levels. Table 9 provides an overview of the user levels and their access rights. The **Facility Manager**, **Installer** and **Distributor** user levels are password-protected to prevent unauthorised use. The WirelessProfessional software launches in the **Anyone** user level.

User level	Access rights
Anyone	Read-only, no changes can be made
Facility manager	Switch devices, trigger function/capacity tests
Installer	Install devices, configure groups and automatic tests, integrate maps, reset facility manager password
Distributor	Define maintenance intervals, reset installer password, change logo

Table 9: User levels of WirelessProfessional software

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8.7 "General" View

You access the **General** view by selecting the **General** tab.

The system name, number of groups and system status are displayed in the **General** view. Figure 48 shows a screenshot of the **General** view for the **Facility Manager** or **Installer** user level. The buttons and their functions do not appear when in the **An-yone** user level. Section 8.2 explains the meaning of the symbols used in the Status column. If there are any active error messages (red colour symbol), the **Alarm List** view can be opened by clicking or tapping on the red colour symbol. The **Groups** view can be opened by clicking or tapping in the **Groups** column.

File Optic	ons Help								
	<u>x</u> i →	•)))	011000100100 010810100000 01080010100000 0108001010101	2010101010101010 818110101010100100 10101010	010010010100000 01101000010101 101100001010101 101101	((()	0001001 01000 01010 01010		tti English ←
General	Alarm List G	iroups Map	s						
🔵 ок	🖸 Error	🛱 Test	🔶 Blocke	d 😘 Updating 🔵	/lasked				Login
No.	Name	Status	No. Luminaire	No. Repeaters No. IO B	xes				
	Anla.		0	0 0					
		-							
No.	Name	Address	Status	Operation Mo Position	Device Type				

Figure 48: General view, facility manager and installer user levels

The functions listed in Table 10 can be performed using the buttons in the **General** view.

Button	Function	User level
Activate	Switches on all switchable maintained emergency lu- minaires	Facility manager, installer
Energy Save	Switches off all switchable and switched-on emer- gency luminaires	Facility manager, installer
Block Emergency Luminaires	Puts all emergency luminaires into remote inhibiting mode	Facility manager, installer
Logout	Resets the user level to Anyone	Facility manager, installer
Start Function Test	Starts a function test for all emergency luminaires	Facility manager, installer
Start Capacity Test	Starts a capacity test for all emergency luminaires	Facility manager, installer
Abort Test	Aborts the current test.Anyfunctiontestscurrentlyat this time are completed.	Facility manager, installer
Reset Fire Alarm Overrun Time	Ends the overrun time after a fire alarm. The minimum overrun time is 10 minutes. This button is only enabled if a fire alarm has previ- ously been registered and the emergency luminaires are in the overrun time.	Facility manager, installer

Table 10: Functions of the **General** view

Note: When you log out manually, you will be asked whether you want to save the system. When you log out automatically, you are not asked this.

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Figure 49: Save system dialogue

8.8 "Alarm List" View

You access the Alarm List view by selecting the Alarm List tab.

The **Alarm List** view displays all devices in the system reporting an error. The defective devices are arranged by group. The name of the device as well as its address and status (as colour symbol and in plain text) are displayed. If a device is reporting several errors at the same time, this is shown in plain text. Section 5.1 explains the meaning of the symbols used in the Status column. Section 8.5 contains an overview of the possible error messages. Figure 50 shows a screenshot of the Alarm List view for the **Facility Manager** or **Installer** user level. Not all buttons are available when in the **Anyone** user level.

File Opti	ons Help			
	xi →			EB English •
General	Alarm List	Groups Maps	ps Email	
				art Euroption Text Ptart Consolity Text Logout
			Reset Life messages inspection cog operationnine cog communications cog system cog of	ant Punction Test Start capacity Test Logout
Name	Address	Device Type	e Status	
* df	A		😆 2 Errors: Error on 36 devices, One remote facility has errors	
- d#			C Error on 16 devices	
4	401W	TEST1234	4 😢 Last function test failed: connection error	
4	WOTC	TEST1234	4 😆 Last function test failed: connection error	
	E597	TEST1234	4 🤓 Last function test failed: connection error	
	WCK.	TEST1234	4 😵 Last function test failed: connection error	
4	AD71	TEST1234	4 😵 Last function test failed: connection error	
4	FSD3	TEST1234	4 😵 Last function test failed: connection error	
	PSNF	TEST1234	2 East function test failed: connection error	
	COIV	TEST1234	2 East function test failed: connection error	
	2E50	TESTI234	4 OLast function test failed: connection error	
	YLVR	TEST1234	4 Ge Last function test failed: connection error	
	UY8H	TEST1234	4 Q Last function test failed: connection error	
	7.53R	TEST1234	4 Class function test failed connection error	
		TEST1234	4 Class function test rated: connection error	
	904W	TEST1234	4 Clast function test failed: connection error	
		TEST1234	Class function rest failed, connection error	
	GUNJ	1E311234	Case function test rated, connection error	
1	6UV1	TECT1024		
	¥4T7	TEST1234	Clast function restrated, contraction error	
7		TEST1234	A Calastrance of failed: connection error	
1	5PE7	TEST1234		
i	NR6M	TEST1234	Cast function test failed: connection error	
i i	D7K5	TEST1234	A BLast function test failed connection error	
i i	18 8BON	TEST-4.8V	V 🚯 Last function test failed: connection error	
i i	THGV	TEST1234	Relation for the state of the s	
i i	1× 7US1	TEST1234	4 🔞 Last function test failed: connection error	
·	a		R Error on 9 devices	
	1X 7QRN	TEST-4,8V	V 💽 Last function test failed: connection error	
i i	JC8J	TEST1234	4 😨 Last function test failed: connection error	
i i	1X DQ46	TEST1234	4 😨 Last function test failed: connection error	
i	XGLR	TEST-4.8V	/ 🗖 Last function test failed: connection error	•

Figure 50: Alarm List view, facility manager and installer user levels

The functions listed in Table 11 can be performed via the context menu for the error messages (Figure 50).

Note: You can highlight one or more devices at the same time. Instructions for multiple highlighting can be found in Section 1.3.2.

Menu entry	Function	User level
Device Detail Dialog	Displays detailed information, such as mounting location, operating mode etc. for the selected device	Anyone
Start Function Test for Luminaire <name></name>	Starts a function test for this emergency luminaire	Facility manager, installer
Start Capacity Test for Luminaire <name></name>	Starts a capacity test for this emergency luminaire	Facility manager, installer
Block Luminaire <name></name>	Puts emergency luminaire into remote inhibiting mode	Installer
Unblock	Ends remote inhibiting mode for emergency lumi- naire	Installer
Show on Map	Shows this emergency luminaire on the map	Anyone

Table 11: Functions of context menu in Alarm List view

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A function or capacity test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

The functions listed in Table 12 can be performed using the buttons in the **Alarm List** view.

Button	Function	User level
Reset Error Messages	All error messages currently active are reset. Acknowledgement	Facility manager, installer
	of the error messages is recorded in the inspection log.	
Inspection Log	Opens the test run progress (see Section 8.8.1)	Anyone
Operationtime Log	Not implemented	Anyone
Communications Log	Opens the communications log (see Section Kommu- nikationslog)	Anyone
System Log	Opens the system log (see Section Systemlog)	Anyone
Start Function Test	Starts a function test for all emergency luminaires	Facility manager, installer
Start Capacity Test	Starts a capacity test for all emergency luminaires	Facility manager, installer
Logout	Resets the user level to Anyone	Facility manager, installer

Table 12: Buttons of the Alarm List view

Note: The Reset Error Messages button is only visible if the resetting of errors has been activated for the corresponding user level in the distributor area.

A function or capacity test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

8.8.1 Test Run Progress

The results of function and capacity tests are stored in the test run progress along with other messages. The test run progress is opened by pressing the **Inspection Log** button in the **Alarm List** view. Figure 51 shows a screenshot of the opened test run progress.

 mpccon cog 	Load all Copy to Clipboard Add Message Open Old Log Refresh	OK			
Time	Load an Copy to capboard Add Message Open old Ebg Meresin	UK .			
rime	Message				
19.10.2020 10:16	Anlagenname: <facility>,</facility>				
19.10.2020 10:16	Projektname: .				
19.10.2020 10:16	Basis mit Adresse 1HQL verbunden.				
10.11.2020 14:59	Anwendung gestartet:				
10.11.2020 14:59	Anlagenname: <facility>,</facility>				
10.11.2020 14:59	Projektname:				
10.11.2020 14:59	Basis mit Adresse 1HQL verbunden.				
09.12.2020 07:48	Anwendung gestartet:				
09.12.2020 07:48	Anlagenname: <facility>,</facility>				
09.12.2020 07:48	Projektname: .				
09.12.2020 07:48	Basis mit Adresse 1HQL verbunden.				
09.12.2020 07:57	Application started:				
09.12.2020 07:57	facility name: <facility>,</facility>				
09.12.2020 07:57	project name: .	- 8			
0 12 2020 07:57	Paraivar connected with address 1HOL				

Figure 51: Inspection log

The messages in the test run progress are saved in the **inspection_log.txt** file. If the size of this file exceeds 4 MB, the content of the file is archived under **inspection_log_<date>.txt** and removed from the **inspection_log** file. When opened, the last 500 entries from the inspection log are loaded. All entries can be loaded by clicking on the "Load all" button. The functions listed in Table 13 can be performed using the buttons from the test run progress.

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Load all	Loads all the inspection log entries	Anyone
Copy to Clipboard	Copies the test run progress messages to the clipboard	Anyone
Add Message	Manual input of messages. Once a message has been entered manually, the Refresh button must be pressed in order for the message to be listed in the test run progress. Messages entered manually cannot be deleted from the test run progress.	Anyone
Open Old Log	Opens an archived test run progress	Anyone
Refresh	Updates the test run progress messages	Anyone
ОК	Closes the test run progress window	Anyone

Table 13: Functions of buttons in test run progress

8.8.2 Communications Log

Error messages from radio network communication are recorded in the communications log. The start time of the WirelessProfessional software and the start time of the connection to a USB coordinator are also recorded. Figure 52 shows a screenshot of the communications log.

Communications	.og	×			
	Load all Copy to Clipboard Open Old Log Refresh	ОК			
Time	Message	^			
19.10.2020 10:31	Basis mit Adresse 1HQL verbunden.				
19.10.2020 11:40	Verbindung zur Basis verloren.				
19.10.2020 11:40	Basis mit Adresse 1HQL verbunden.				
10.11.2020 14:59	Anwendung gestartet:				
10.11.2020 14:59	Anlagenname: <facility>,</facility>				
10.11.2020 14:59	Projektname: .				
10.11.2020 14:59	Basis mit Adresse 1HQL verbunden.				
09.12.2020 07:48	Anwendung gestartet:				
09.12.2020 07:48	Anlagenname: <facility>,</facility>				
09.12.2020 07:48	Projektname: .				
09.12.2020 07:48	Basis mit Adresse 1HQL verbunden.				
09.12.2020 07:57	Application started:				
09.12.2020 07:57	facility name: <facility>,</facility>				
09.12.2020 07:57	project name: .				
09.12.2020 07:57	Receiver connected with address 1HQL.	~			

Figure 52: Communications log

The messages in the communications log are saved in the **communication.log** file. If the size of this file exceeds 4 MB, the content of the file is archived under **communication_<date>.log** and removed from the **communication.log** file. When opened, the last 500 entries from the communications log are loaded. All entries can be loaded by clicking on the "Load all" button. The functions listed in Table 14 can be performed using the buttons from the communications log.

Button	Function	User level
Load all	Loads all the communications log entries	Anyone
	(Only the last 500 entries are displayed by default)	
Copy to Clipboard	Copies the test run progress messages to the clipboard	Anyone
Open Old Log	Opens an archived communications log file	Anyone
Refresh	Updates the communications log messages	Anyone
ОК	Closes the communications log window	Anyone

Table 14: Functions of buttons in communications log

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8.8.3 System Log

All configuration and status changes to the system are recorded in the system log. Figure 53 shows a screenshot of the system log.

(a) Contraction					~
System Log	₽.				~
		Load all Copy to Clipboard	Open Old Log	Refresh	OK
Time	Message				^
09.12.2020 07:48	K2 of IO Box "IO-B	ox001" is de-energized.			
09.12.2020 07:48	K3 of IO Box "IO-B	ox001" is de-energized.			
09.12.2020 07:48	The user logged in	as distributor.			
09.12.2020 07:52	System is shutting	down.			
09.12.2020 07:52	Shutdown duration	n: 648ms; storing database: 608r	ms		
09.12.2020 07:57	Load issue: ELD00	39TS			
09.12.2020 07:57	Application started	:			
09.12.2020 07:57	facility name: < Faci	ility>,			
09.12.2020 07:57	project name: .				
09.12.2020 07:57	Starting duration: 2	905ms; Reading database: 391r	ms		
09.12.2020 07:57	Receiver connected	with address 1HQL.			
09.12.2020 07:58	K1 of IO Box "IO-B	ox001" is de-energized.			
09.12.2020 07:58	K2 of IO Box "IO-B	ox001" is de-energized.			
09.12.2020 07:58	K3 of IO Box "IO-B	ox001" is de-energized.			
09.12.2020 09:03	The user logged in	as distributor.			~

Figure 53: System log

The messages in the system log are saved in the **system.log** file. If the size of this file exceeds 4 MB, the content of the file is archived under **system_<date>.log** and removed from the **system.log** file. When opened, the last 500 entries from the system log are loaded. All entries can be loaded by clicking on the "Load all" button. The functions listed in Table 15 can be performed using the buttons from the system log.

Button	Function	User level
Load all	Loads all the system log entries (Only the last 500 entries of the system log are displayed by default)	Anyone
Copy to Clipboard	Copies the system log messages to the clip- board	Anyone
Open Old Log	Opens an old system log file	Anyone
Refresh	Updates the system log messages	Anyone
ОК	Closes the system log window	Anyone

Table 15: Functions of buttons in system log

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8.9 "Groups" View

You access the **Groups** view by selecting the **Groups** tab.

The **Groups** view shows the groups created in the system as well as the devices in each group. Figure 54 shows a screenshot of the Groups view.

						- Anlage [not connected]	~ = X
File Opt	ions Help						
	<u> </u>	•)))	6916861661 6188161668 6186861613 6196861613 6196861613	01 10101010101010100 0701010101010101000000 10101010	1001001010000 11012000101010 11012000101010 110101010		EBEnglish ▼ @Help ▼
General	Alarm List	Groups Map	os Email	Installation Network Infor	mation Cloud		
🔵 ок	🔀 Error	🙆 Test	🔶 Bloc	sked 😙 Updating 🔵 Ma	sked		··· Abort Test Logout
No.	Name	Status	No. Lumina	aire No. Repeaters No. 10 Boxe	s Maintained Lu	Non-maintain	
-	🐠 Anla.		36	0 0	On Off	On Off	Start Function Test for Group '2.0G'
1	49 1.0G	ĕ	16	0 0	On Off	On Off	Start Capacity Test for Group '2.0G'
2	2.0G	0	9	0 0	On Off		Block Group '2.0G'
3	🚅 🕮 EG	0	9	0 0	On Off		Unblock
No.	Name	Address	Status	Operation Mo Position	Device Type	Switch Lumin	
1	💷 Notl	. 6UV1	\bigcirc	Maintained	TEST1234	On Off	
2	utl	. X4T7	\bigcirc	Maintained	TEST1234	On Off	
3	Les Notl	. 01UC	0	Maintained	TEST1234	On Off	
4	LES Notl	. 5PF7	0	Maintained	TEST1234	On Off	
5	Notl	. NR6M	0	Maintained	TEST1234	On Off	
6	Notl	. D7K5		Maintained	TEST1234	On Off	
7	Notl	8R0N		Maintained	TEST-4,8V	On Off	
8	Notl	. THGV	0	Maintained	TEST1234	On Off	
g	Noti	. 7051	-	maintained	TEST1234		

Figure 54: Groups view, facility manager and installer user levels

A test that is currently active can be aborted using the Abort Test button. (see Table 10: Functions of the General view) Devices, which do not support aborting tests, pause until the end of the test time for the capacity test that has already been started. The groups created in the system are displayed in the top part of the Groups view. The columns in the top part show the name of the group or system, status and number of emergency luminaires, repeaters and IO boxes. Section 5.1 explains the meaning of the symbols used in the Status column. The buttons in the Maintained Luminaires and Non-maintained Luminaires columns allow emergency luminaires of the respective operating mode to be switched on or off. This function is only available at the facility manager and installer user levels and only if the system contains switchable emergency luminaires. A red frame around the On or Off button indicates that the emergency luminaires are switched off in maintained operation or switched on in non-maintained operation.

The functions listed in Table 16 can be performed via the context menu for the groups (Figure 54). The functions take effect for all emergency luminaires within the selected group in each case.

Menu entry	Function	User level
Dimming Settings	The option of dimming all emergency lumi- naires in this group when in normal and emer- gency mode (see Figure 56)	Facility manager, installer
Start Function Test for Group <name></name>	Starts a function test for all emergency lumi- naires in this group	Facility manager, installer
Start Capacity Test for Group <name></name>	Starts a capacity test for all emergency lumi- naires in this group	Facility manager, installer
Block Group <name></name>	Puts all emergency luminaires in this group into remote inhibiting mode	Facility manager, installer
Unblock	Ends remote inhibiting mode for emergency lu- minaires in this group	Facility manager, installer

Table 16: Functions of context menu in upper part of Groups view

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A function or capacity test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

The devices of the group selected in the upper part of the Groups view are displayed in the lower part (Figure 55). The name of the device, its address, status, operating mode (if dealing with an emergency luminaire), the position of the luminaire and device type are displayed in the columns of the lower part. The buttons in the **Switch Luminaires** column allow switchable emergency luminaires to be switched on or off. This function is only available at the facility manager and installer user levels and only if the respective emergency luminaire can be switched. A red frame around the **On** or **Off** button indicates that an emergency luminaire is switched off in maintained operation or switched on in non-maintained operation.

							- Anlage [not connected]	~ ¤ ×
File Opti	ons Help							
	<i>î</i> ; →	•)))	00110001001 00100101000 010000101000 0100001010	00000000000000000000000000000000000000	10010010100030 1101200010101 011010101010 01101010101	• ((((•		태English 🔹 🖓 Help 🔹
General	Alarm List G	roups Map	os Email	Installation Network Info	rmation Cloud			
🔵 ок	😢 Error	🔯 Test	🔶 Bloo	sked 😋 Updating 🔵 Mi	asked			··· Abort Test Logout
No.	Name	Status	No. Lumina	aire No. Repeaters No. 10 Box	es Maintained Lu	Non-maintain		
-	🚅 Anla	. 😑	36	0 0	On Off	On Off		
1	🚅 1.0G	0	16	0 0	On Off	On Off		
2		Θ			On Off			
3	🚅 🕮 EG	\bigcirc	9	0 0	On Off			
								m
No.	Name	Address	Status	Operation Mo Position	Device Type	Switch Lumin		Device Detail Dialog
1	Notl	6UV1		Maintained	TES11234	On Off		Dimming Settings
2	Notl	. X417		Maintained	TES11234	On Off		Start Function Test for Luminaire Notleuchte015
3	Noti	5057		Maintained	TESTI234	On Off		Start Capacity Test for Luminaire Notleuchte015
4	Noti	. DPF/		Maintained	TESTI234	On Off		Block Luminaire 'Notleuchte015'
5	Noti	DZKE	-		TEST1234	UN ON		
0	Less Noti	D/K5		Maintained	TEOT1004	0		Unblock
/	NI-AL	0000	0	Maintained Maintained	TEST1234	On Off		Unblock Show on Map
8	Notl	8R0N	•	Maintained Maintained Maintained	TEST1234 TEST-4,8V	On Off On Off		Unblock Show on Map
9	Notl Notl	. 8R0N THGV 7US1		Maintained Maintained Maintained Maintained	TEST1234 TEST-4,8V TEST1234 TEST1234	On Off On Off On Off		Unblock Show on Map

Figure 55: Groups view, facility manager and installer user levels

The functions listed in Table 17 can be performed via the context menu for the devices (Figure 55). **Note:** You can highlight one or more devices at the same time. Instructions for multiple highlighting can be found in Section 1.3.2.

Menu entry	Function	User level
Device Detail Dialog	Displays details for the selected device	Anyone
Dimming Settings	The option of dimming this luminaire when in normal and emergency mode (Figure 56: Luminaire dimming settings)	Facility manager, installer
Start Function Test for Luminaire <name></name>	Starts a function test for this emergency lu- minaire	Facility manager, installer
Start Capacity Test for Luminaire <name></name>	Starts a capacity test for this emergency lu- minaire	Facility manager, installer
Block Luminaire <name></name>	Puts this emergency luminaire into remote inhibiting mode	Facility manager, installer
Unblock	Ends remote inhibiting mode for this emer- gency luminaire	Facility manager, installer
Show on Map	Shows this device luminaire on the map	Anyone

Table 17: Functions of context menu in lower part of Groups view

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A function or capacity test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).



Figure 56: Luminaire dimming settings

Note: If a luminaire supports the dimming function, the **Dimming Settings** menu item can be selected. If a group contains some luminaires which do not support this feature and some which do, the **Dimming Settings** menu item is available to the group. Dimming is however only undertaken on those luminaires which support the feature.

The dimming of emergency luminaires may only be undertaken in accordance with locally valid provisions and the official emergency lighting plan for the building such that sufficient emergency lighting can be guaranteed at all times.

8.10 "Maps" View

You access the **Maps** view by selecting the **Maps** tab.

The **Maps** view allows maps to be added to the system and the luminaires installed in the system to be positioned on the maps such that the mounting location of a luminaire can be found at any time. The functions of the **Maps** view are only available to the **Installer** user level. The maps can only be viewed when in the **Anyone** and **Facility Manager** user levels.

- Anl		
File Options Help		
		EBEnglish ▼
General Alarm List Groups Maps Email Installation Network Information Cloud		
⊖ OK 🔇 Error 🍈 Test 🔶 Blocked 😒 Updating ⊖ Masked Maps in system:	Ø	Toggle Map View System Data

Figure 57: Maps view (list of maps), installer user level

The Maps view is divided up yet further into the list of maps (Figure 57) and graphic view of maps along with the devices positioned within it (Figure 59). You can switch between the two views using the Toggle Map View button.

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8.10.1"List of Maps" View

You can add new maps by selecting **Add New Map** in the context menu of the **Maps in system** area (Figure 57). Go to the file dialogue for the data carrier on which the maps are located. Highlight the maps you want to add, and confirm the selection by clicking on **Open**. The following graphics file formats are supported: **.bmp**, **.jpg** and **.png**. The maximum size of the maps is 10 mega pixels. Larger maps cannot be loaded into the WirelessProfessional system.

You can sort the list of maps by highlighting an entry and dragging it to the desired position within the list.

The context menu for maps in the **Maps in system** area (Figure 57) contains the **Add New Map**, **Rename Map <Name>**, **Delete map <Name>** and **Switch to Map View of <Name>** functions.

A view of the building can be integrated in the right-hand part of the **List of Maps** view. You add a building view by opening the context menu in the grey rectangle and/or building view at the right-hand edge of the window and selecting **Select New Building Logo** (Figure 58). Go to the file dialogue for the data carrier on which the building view is located. Select the building view and confirm the selection by clicking on Open.

Click or tap twice on an entry in the list of maps to go to the graphic view of this map.

Once you have made changes to the maps, select Save System Data to confirm the changes.



Figure 58: Maps view (list of maps), installer user level

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8.10.2 Graphic "View of Maps"

The devices installed in the system can be positioned on the maps in the graphic view of maps. Figure 59 shows a screenshot of the graphic view of maps.

You access the graphic view of maps by clicking on the Toggle Map View button or by double-clicking or tapping twice on an entry in the list of maps.

The devices installed in the system are listed, sorted into groups, in the left-hand part of the view. You position a device on a map by highlighting the device in the left-hand part and dragging it to its mounting location on the map in the right-hand part. Devices which have been positioned on a map are automatically removed from the list in the left-hand part.

The map shown in the right-hand part can be selected from the drop-down selection list above the right-hand part. A map can also be selected using the arrow buttons located to the right and left of the drop-down selection list.

The slide control above the right-hand part can be used to adjust the scale of the map displayed and the scrollbars below and to the right of the map can be used to select the relevant image section.



Figure 59: Maps view (graphic view), installer user level

The functions listed in Table 18 can be performed using the buttons in the graphic view of maps.

Button	Function	User level
Reset Node Positions	Deletes all devices from the map currently on display	Installer
Toggle Map View	Switches between the list and graphic view of maps	Anyone
Save System Data	Saves all changes to the system configuration	Installer

Table 18: Functions of buttons in graphic view of maps

Once you have made changes in the graphic view of maps, select Save System Data to confirm the changes.

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8.11 "Email " View

You access the **Email** view by selecting the **Email** tab. To be able to see this tab, you have to log in at facility manager level or higher.

	- Anlage [not connected]	~ ¤ ×
File Options Help		
1010101010001000 10001000100100	101014.010010010010010000101010000000000	🖽 English 👻
		😪 Help 👻
	visiter no normano. Los se activamentes no no constitución de la constitución de la constitución de la constitu	
General Alarm List Groups Maps Email Inst	stallation Network Information Cloud	
		Change Facility Manager Password Send Test-Mail Save System Data
Sender:		
Subject:		
Email address:		
SMTP server:		Port: 25 🗘
SMTP server login:		
SMTP server password:		
Radio fault		
	Mail delivery on function test: Never	Wait time: 5 minutes *
Battery fault		Installer Ionin
	Moil delivery on connectivatest	
Blocking luminaire	Waii delivery on capacity test. Never	Logout time: never 👻
 Emergency status change 		

Figure 60: Email view, facility manager and installer user levels

The WirelessProfessional software provides the option of sending an email to a previously defined email address when certain events occur. The settings for sending these emails can be configured in the Email view. To use this function, you need an email account from which the emails can be sent, and the PC must have an Internet connection. Emails can be sent via a secure SSL connection.

Figure 60 shows a screenshot of the Email view.

Table 19 lists the boxes in the Email view and their meanings.

Box	Meaning
Sender	Sender's email address
Subject	Entry in subject line of email
Email address	Receiver's email address Use commas if sending to several different email addresses, e.g.
	receiver1@domain1.de, receiver2@domain2.de,
SMTP server	SMTP server from which the emails are sent
Port	The port via which the emails are to be sent (usually port 25, 587 or 465)
SMTP server login	Login for the SMTP server
SMTP server password	Password for the SMTP server. The WirelessProfessional software only supports SMTP serv-
	ers with a password login.
Wait time	Time after an event has occurred before an email is sent. During this time, the system waits
	for further events so that several events can be bundled in one email.
Radio fault	Email dispatch in the event of a radio fault
Battery error	Email dispatch in the event of a battery fault
Also report temporary faults	An email is sent even if the fault has been remedied before the end of the wait time.
Mail delivery on function test	Choose between
	email is sent after all function tests (all tests)
	email is only sent after function tests in which errors occurred (failed tests)
	emails are not sent after function tests (never)
Mail delivery on capacity test	Choose between
	email is sent after all capacity tests (all tests)
	email is only sent after capacity tests in which errors occurred (failed tests)
	emails are not sont after capacity tests (never)
Blocking luminaire	Email is sent when emergency luminaire(s) is(are) put into remote inhibiting mode
	Email is sent when the signal status at the fire alarm input on the IO box changes (fire alarm
Emergency status change	starting or fire alarm ending)
Installer login	Email is sent when a user logs in as installer
	Licers logged in as facility manager or installer are automatically logged out if no user activity
Logout time	is detected for the time set here. This function serves to automatically log out facility manage
	ers or installers who have forgotten to log out
	ers or installers who have forgotten to log out.

Table 19: Boxes in Email view

The functions listed in Table 20 can be performed using the buttons in the Email view.

Button	Function	User level
Change Facility Manager	Change the password for the facility manager user level	Facility manager, installer
Password		
Send Test Mail	Sends a test email	Facility manager, installer
Save System Data	Saves all changes to the system configuration	Facility manager, installer

Table 20: Functions of buttons in Email view

Once you have made changes in the Email view, confirm the changes by clicking on the Save System Data button.

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8.12 "Installation " View

You access the **Installation** view by selecting the **Installation** tab. The **Installation** tab is only available at the installer user level. The Installation view is divided up into the **Configure Groups**, **Test**, **Timer**, **Remote Facilities** and **System** views using tabs.

8.12.1"Configure Groups" View

You access the **Configure Groups** view by selecting the **Configure Groups** tab in the **Installation** view. The **Configure Groups** view allows new devices to be added to the system and groups to be created and managed. Figure 61 shows a screenshot of the **Configure Groups** view.



Figure 61: Configure Groups view, distributor user level

The first line in the **Registered nodes** area shows the name and properties of the system. Under this you can see the groups created in the system and the devices in the groups. Click or tap on the triangle to the left of a group to expand this group and to display the devices in this group or to collapse this group again.

The columns in the **Registered nodes** area show the name of the group or device, status and number of **emergency luminaires**, **repeaters** and **IO boxes** in the group.

Section 5.1 explains the meaning of the symbols used in the Status column.

The functions listed in

Table 21 can be performed via the context menu for the entries in the **Registered nodes** area (Figure 62). The context menu entries vary depending on whether the context menu for a group or device is called up.

At distributor user level, the Address column also shows information about the version of the wireless module fitted in the device.

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				- Anlage [not connected]		~ ¤ ×
File Options Help						
10100 00000000000000000000000000000000			11	P001001		👪 English 🔹
		N-00101010101010		M101:		😵 Help 🔹
		11010101010100100	Milene			
	1916 (Shina (Shine Tra t 1978) 1917	18651618619616110	1101101010101012	And a state of the		
General Alarm List Groups Maps E	Email Installation Network Inform	nation Distributor	Cloud			
🔵 OK 🛛 Error 🐞 Test 🧳	┝ Blocked 😋 Updating 🔵 Mas	ked				Save System Data
Configure Groups Test Timer Bernot	e Facilities System Project					
		0		* •		
Maintained 🚫 Non-maintained 🕢 S	Switching State Normal U Switchin	g State Modified 🤇) Not Switchable	🕚 Timer 🔟 IO Box		Find New Devices
Registered nodes					Direction of the second	d
Name	 Address Status 	No. Luminaire No	Repeaters No. 10	Boxes	Device Detail Dialog	
Anlage		36	0	0	Set capacity test duration for Luminaire 'Luminaire002'	
- 🚅 1.0G	ē	16	0	0	Mask Luminaire 'Luminaire002'	
Luminaire001	401W (17) 🔵 🛇 🕢				Unmask Devices	
Luminaire002	WOTC (17) 💮 🔂 🕥				Ohint Sweeting Test feel unitaries (Luminaire 000)	
Luminaire003	E597 (17)				Start Function Test for Luminaire Luminaire002	
Luminaire004	WCKJ (17)				Rename 'Luminaire002'	
Luminaire005	AD/1 (17)					
Luminaire006	FSD3 (17)				Move to group	
Luminaireou7	PSNF (17)				Delete Luminaire 'Luminaire002'	
Notleuchte001	2550 (17)				7E40 (0)	
Notleuchte002	2ESU(17)				86H8 (0)	
Notleuchte005					8YVH (0)	
Notleuchte007	7538 (17)				9588 (0)	
Notleuchte008	2W2H (17)				AKN0 (0)	
Notleuchte009	904W (17)				CD18 (0)	
Notleuchte010	8PH6 (17)				D5EH (0)	
Notleuchte011	GUKJ (17)				DXSR (0)	
- 2.0G		9	0	0	ER60 (0)	
Notleuchte013	6UV1 (17) 🚔 🗛 🕢				FJK8 (0)	
Notleuchte014	X4T7 (17)				GAXH (0)	
Notleuchte015	01UC (17) 🗧 🗑 🐼				44AR (0)	
Notleuchte017	5PF7 (17)				LUS HWQ0 (0)	
Notleuchte018	NR6M (17) 🔴 🗑 🕢				JQ38 (0)	
Notleuchte019	D7K5 (17) 🔴 🗑 🕢				LIN KHGH (0)	
Notleuchte021	8RON (17) 🔴 🗑 🕢				L9UR (0)	
Notleuchte022	THGV (17) 🔵 🛃 🕢				M380 (0)	

Figure 62: Configure Groups view - context menu

Menu entry	Function	User level
Mask x luminaires, x repeaters and x IO boxes/Mask luminaire 'Name'	Masks the device/devices (errors are not shown)	Installer
Unmask Devices	Cancels the masking of masked devices	Installer
Start Function Test for Luminaire 'Name'/ for Group 'Name'	Starts a function test for this emergency lumi- naire/emergency luminaires in this group	Installer
Rename group 'Name' / luminaire 'Name'	Renames groups/emergency luminaires	Installer
Add Group	Adds a sub-group to a group and/or system. This function is only enabled in the context menu for groups/the system	Installer
Delete group 'Name' / luminaire 'Name'	Deletes the group/device from the system	Installer
Set capacity test duration for group 'Name' / lu- minaire 'Name'	The option of shortening the autonomy time (and/or test duration) of the selected luminaire or all luminaires in a group from the control centre. See note	Installer

Table 21: Functions of context menu in Registered Nodes area, Configure Groups view

If the context menu of the Set capacity test duration for luminaire 'Name' is selected, the Autonomy time settings window opens.

Autonomy time settings	?	\times
Set autonomy time for 1 luminairs:		
Autonomy time: 8 -		
CAUTION: Chan b luminaire autonomy only be made in n n with applicable local and the official emergency lighting design of such that sufficient emergency illumination is all times.	times regulat the fac s assure	may tions cility, ed at
For use by authorized personnel only.		
ОК	Can	cel

Figure 63: Autonomy time settings window

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The current autonomy time is shown in the Autonomy time settings window. A new autonomy time can be selected using the drop-down list.

Only an autonomy time, which is the same as or shorter than the initial autonomy time, can be selected here.



This may result in an increase in the light current. Warning: Changes to the autonomy time of emergency luminaires may only be made in accordance with locally valid pro-

visions and the official emergency lighting plan for the building such that sufficient emergency lighting can be guaranteed at all times.

Note: Autonomy time settings are supported in wireless module version 2.1 (15) and higher. if the luminaire does not support this function, this menu item is not available. If a group contains both some luminaires which do not support this feature and some which do, this menu item is available. If the menu item for setting the capacity test duration for luminaires is selected for such a group, a note appears informing the user of which devices do not support this feature. The autonomy time for the remaining devices can be changed by pressing the Yes button.

💿 Notie	e	×
▲	The following device does not support changing test durations: DKJ6	
	Proceed anyway?	
	Yes No	

Figure 64: Note relating to changing the autonomy time

The luminaire(s) then changes(change) briefly into the Refresh status. As soon as the luminaire(s) returns(return) to the OK status, the change takes effect and is displayed accordingly in the device details (see Figure 88).

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The **Unknown nodes** area shows the devices, which have a radio connection and which are not yet installed in a system. The list of devices is split into the **Luminaires**, **Repeaters** and **IO Boxes** device types. Devices which are not supported by the installed version of the WirelessProfessional software are shown as **Not usable** in the **Unknown nodes** area. Devices where the radio connection has been interrupted for more than 5 minutes are removed from the **Unknown nodes** area.

Devices from the **Unknown nodes** area are added to the system by highlighting them in the **Unknown nodes** area(Figure 65) and dragging them into the **Registered nodes** area. The devices are then installed one after another in the system. The remaining number of devices not yet installed is displayed in the first line of the **Registered nodes** area (**x devices not associated**). The time needed for this may vary depending on how the devices are arranged in the radio network and how far the installation has progressed (anything from several seconds to several minutes per luminaire).



Figure 65: Configure Groups view, installer user level



Warning: During the installation, position the USB coordinator so that it has a direct radio connection with fewer than 50 devices (for details, see Section 8.13, "Network Information).

Devices, which have been installed in a system, only pass on data packets from devices in the same system. If devices are added to a system individually, the following scenario may therefore arise: A device, which is mounted a long way away from the USB coordinator, is added to the system. The devices, which are mounted between this device and the USB coordinator and which are needed to pass on data packets, may however not yet have been installed in the system. The distant device may then not be contactable in the radio network. This is the reason why all devices that are to be installed in the system should be highlighted in the **Unknown nodes** area and dragged at the same time into the **Registered nodes** area.

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The functions listed in Table 22 can be performed via the context menu for the entries in the **Unknown nodes** area (Figure 66).

File Options Help			
			≅≣English ▼ @Help ▼
General Alarm List Groups Maps Email Installation Network Information Cloud			
OK 3 Error 3 Test Olicies Cydating Masked			Save System Data
Conligure Groups Test Timer Remote Facilities System Project			
😥 Maintained 🚫 Non-maintained 🕢 Switching State Normal 🚺 Switching State Modified 🔵 No	t Switchable 🕚 Timer 间 IO Box		Find New Devices
Registered nodes		Duknown nodes	a
Name * Address Status No. Luminaire No. Re	peaters No. 10 Boxes	Address	Add to group +
🔐 Anlage 💮 0 0	0 0	Luminaires: 14	Delete Device '08NR'
		08NR	Add New Luminaire
			Add New Repeater
		2MTH	Add New IO Box
		215 3F6R	
		47L0	
		5 50Y8	
		5TCH	
		ELLAN DELLAR	
		86H8	
		8YVH	
		9 58R	
		AKNO	
		Repeaters: 0	
		IO DOXES. O	

Figure 66: Configure Groups view - context menu

Menu entry	Function	User level	
Add to group	Adds the selected device to a group		Installer
Delete Device 'Address'	Deletes the device from the Unkno	wn nodes area	Installer
Add New Luminaire	Add emergency luminaire manually		Installer
Add New Repeater	Add repeater manually		Installer
Add New IO Box	Add IO box manually		Installer

Table 22: Functions of context menu in Unknown nodes area, Configure Groups view

The **Add New Luminaire/New Repeater/New IO Box** functions allow devices to be added to the system manually without there being any radio contact with these devices. The addresses of these devices must be known in order to add them manually.

Address for the New Device				
Address one of ti N P-Y	es consist of fo he digits 0-9 o	our characte r the letters	rs, each A, C-H, J-	
1234				
	OK	Delete	Cancel	

Figure 67: Address for the New Device

The button can be used to access the on-screen keyboard directly from the WirelessProfessional software.

Manually created devices can also be dragged out of the **Unknown nodes** area into the **Registered nodes** area just like other devices.

Important!

Manually created devices can only be added provided that there are fewer than 250 devices in the system.

The colour status of manually added devices remains yellow until there is radio contact with the device. Then it changes to green. This function can be used to create an emergency lighting system in the WirelessProfessional software without the user having to be physically present at the system's mounting location.

If a 4-digit device address is entered in the **Address for the New Device** window and **Delete** is pressed, the system ID is removed from the device with this address. While the system ID is being removed, the device is displayed with the name **TempNode[Ad-dress]** (Figure 68) and once the system ID has been removed from the device, it is automatically removed from the system.

File Options Help		
		👪 English 👻
		😵 Help 👻
General Alarm List Groups Maps Email Installation Network Information Cloud		
G OK C Fror C Blocked S Undating Masked		Save System Data
Configure Groups Test Timer Remote Facilities System Project		
🗭 Maintained 🗙 Non-maintained 🕢 Switching State Normal 🚺 Switching State Modified 🔿 Not Switchable 💮 Timer 🔞 IO Box		Find New Devices
Registered nodes	Unknown nodes	
Nome x Address Status No Luminaira No Reporter No 10 Reven	Address	
Address for New Device V A X	Luminairee: 24	
Addresses consist of four characters, each	08NB	
one of the digits 0-9 or the letters A, C-H, J-N,	1220	
P-Y.	11JE8	
1234	2MTH	
	3E6B	
	471.0	
	50Y8	
OK Delete Cancel	JIN STCH	
	7F40	
	86H8	
	AND BYVH	
	958B	
	AKN0	
	CD18	
	D5EH	
	DXSB	
	EB60	
	EJK8	
	GAXH	
	H4AB	
	HWOD	
	1038	
	TIN KHCH	
	Repeaters: 0	
	IO Boxes: 0	

Figure 68: Display showing device to be deleted

The **Delete Device** '**Address**' function deletes the device from the **Unknown nodes** area. This simply removes the device from the list. Should the device continue to transmit connection requests, the address will be displayed again.

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8.12.2"Test" View

You access the **Test** view by selecting the **Test** tab in the **Installation** view.

- Anlage	lot connecteaj 🗸 🗸 🖉 🗙
File Options Help	
	o (re) 2005 2015 20
General Alarm List Groups Maps Email Installation Network Information Cloud	
OK OF Test Blocked Updating Masked Configure Groups Test Timer Remote Facilities System Project	Save System Data
Capacity test	Function test
Interval: Yearly -	Interval: Weekly -
Time: 10:00 PM	Time: 8:00 AM
	Weekday: Monday -
	Start date:
	Next function test:
Start date	
Sup Mon Tue Wed Thu Fri Sat	
35 25 26 27 28 29 30 31	
36 1 2 3 4 5 6 7	
37 8 9 10 11 12 13 14 38 15 16 17 18 19 20 21	
39 22 23 24 25 26 27 28	
40 29 30 1 2 3 4 5	
Next capacity test	
There deputing year.	

Figure 69: Test view, installer user level

The WirelessProfessional system performs automatic tests on safety lighting systems in accordance with DIN EN 50172 and DIN EN 62034. The capacity test and function test can be configured in the **Test** view. Figure 69 shows a screenshot of the **Test** view.

Table 23 lists the boxes in the **Capacity test** area and their meanings.

Вох	Meaning
Interval	Interval between two capacity tests. Choose between manual, quarterly, every 4 months, every 6 months, yearly. If manual is selected, the automatic test is deactivated
Time	Time at which the test starts. Select a time at which the building is most probably not being used.
Part 1	Not implemented
Part 2	Not implemented
Interval between parts	Not implemented
Start date	Select the date for the next capacity test
Next capacity test	The date of the next capacity test is only displayed once changes have been confirmed by selecting Save System Data

Table 23: Boxes in Test view, Capacity test area

A function or capacity test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

If an automatic capacity test is started and one or more emergency luminaires are not adequately charged (see Sections 2.2 and 2.3), the capacity test for these emergency luminaires is postponed by 24 h. After 24 h, another attempt is made to run the capacity test for the emergency luminaires. The software will try up to three times to run a capacity test for the emergency luminaires.

Table 24 lists the boxes in the **Function test** area and their meanings.

Вох	Meaning
Interval	Interval between two function tests. Choose between manual, daily and weekly. If manual is selected,
	the automatic test is deactivated.
Time	Time at which the test is started. Select a time at which the building is most probably not being used.
Weekday	Day of the week on which the function test is carried out (if weekly is selected in the Interval box)
Next function test	The date of the next function test is only displayed once changes have been confirmed by selecting
	Save System Data

Table 24: Boxes in Test view, Function test area

Once you have made changes in the Test view, select Save System Data to confirm the changes.

8.12.3"Timer" View

You access the **Timer** view by selecting the **Timer** tab in the **Installation** view.

Timers can be used to assign to luminaires functions, which are carried out at defined times. Figure 70 shows a screenshot of the **Timer** view.

	- Anlage [not connected] v u x
File Options Help	
	Al College Col
General Alarm List Groups Maps Email Installation Network Information Cloud	
🔵 OK 😢 Error 🏟 Test 🔶 Blocked S Updating 🔵 Masked	Save System Data
Configure Groups Test Timer Remote Facilities System Project	
	New Timer Edit Timer Activate/Deactivate Timer Delete Timer
Name Groups Schedule Iperating Mod	
1 Timer01 Anlage on 06:00, o Switch	

Figure 70: Timer view, installer user level

The functions listed in Table 25 can be performed using the buttons in the **Timer** view.

Button	Function	User level
New Timer	Opens the Configure Timer window (Figure 71) to configure a new timer	Installer
Edit Timer	Opens the Configure Timer window (Figure 71) for the highlighted	Installer
	timer	
Activate/Deactivate Timer	Activates/deactivates the highlighted timer	Installer
Delete Timer	Deletes the highlighted timer	Installer

Table 25: Functions of the Timer view

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The New Timer and Edit Timer buttons open the **Configure Timer** window (Figure 71) for configuring a timer. Table 26 lists the boxes in the **Configure Timer** window and their meanings.

Configure Timer	×
Name:	Timer01
Start Date:	1 Jan 🗠
End Date:	31 Dec ~
Switch-On Time:	6:00 AM 🖹
Switch-Off Time:	6:00 PM 🔹
Days:	□ Mo □ Tu □ We □ Th □ Fr □ Sa □ Su
	☑ Daily
Operating Mode:	Switch Maintained Luminaires
	O Switch Non-Maintained Luminaires
	O Energy Save
	O Activate
	○ Function Test
	O Capacity Test
Groups to switch:	🗹 🛩 <facility></facility>
	OK Cancel

Figure 71: Configure Timer window

Вох	Meaning			
Name	Name of timer			
Start Date	Date from which the timer is active			
End Data	Date after which the timer is no longer active			
Switch-On Time	Time at which the emergency luminaires are switched on			
Switch-Off Time	Time at which the emergency luminaires are switched off			
Days	Select the days on which the switching function is to be run or select Daily			
Operating mode	Select the switching function to be run. Choose between:			
	Switch Maintained Luminaires			
	Switch Non-Maintained Luminaires			
	Energy Save (switches off all switchable and switched-on luminaires in the system)			
	Activate (switches on all switchable luminaires in the system in maintained operation)			
	Function Test (trigger a manual function test for selected groups)			
	Capacity Test (trigger a manual capacity test for selected groups)			
Groups to switch	Select the groups whose luminaires are to be switched			

Table 26: Boxes in **Configure Timer** window

Once you have made changes in the **Timer** view, select Save System Data to confirm the changes.

Note: Only the switch-on time should be set for function and capacity tests. Otherwise an error message will appear.



Figure 72: Timer programming error

Timer-controlled function and/or capacity tests can be used to allow the system to run function or capacity tests in sections. The capacity test is run as explained in Section 2.2 by means of a schedule.

Note: If there are two timers triggering function tests, an interval of 1h must be programmed between them.

				- Aniage (not connected)	V U X
File Options He	lp				
2)				aa English → @ Help →
General Alarm I	List Group	ps Maps Email In	stallation Network Information Cloud		
🔵 ок 🛛 😢	Error	📬 Test 🛛 🔶 Blocker	d 😋 Updating 🔵 Masked		Save System Data
Configure Groups	s Test	Timer Remote Facilities	System Project		
					New Timer Edit Timer Activate/Deactivate Timer Delete Timer
Name	Groups	Schedule)perating M	Nod		
1 Timer01	Anlage	off 06:00, o Switch			
2 Timer02	Anlage	on 19:30, T Switch			
3 Timer03	Anlage	on 20:15, Switch			
4 Timer04	Anlage	on 17:00, T Switch			
5 Timer05	Anlage	on 15:00, Fr Switch			
6 Timer06	Anlage	on 00:00, Switch No	n		

Figure 73: Overview of programmed timers

8.12.4"Remote Facilities" View

You access the **Remote Facilities** view by selecting the **Remote Facilities** tab in the **Installation** view.

In addition to its own devices, the Wireless Professional software can also monitor a Wireless Professional control centre connected via Ethernet and systems of the multiControl *plus* series.

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			- Anlage [not connected]		~ = ×
File Options Help					
	0100101000000			ta English 🥥 Hr	n • elp •
General Alarm List Gr	roups Maps Email Inst	tallation Network Information Cloud			
OK SError	Test OBlocked	Support Updating Masked		Save Syst	tem Data
ooningare oroups i reat	THICL	ojstem risjeet		New Remote Facility Edit Remote Facility Delete Remote	Facility
Name	Remote Host	Status			
Path to web browser: /usr	r/bin/firefox				
Own port: 80					

Figure 74: Remote Facilities view, installer user level

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The New Remote Facility buttons opens the window for configuring networked systems.

Remote Facility		? ×
Name:		
Remote computer:		Port: 80
	Cancel Test	Test Connection
Update delay:	1 minute	-
Remote access:	No access	•
		OK Cancel

Figure 75: Input box for remote facility

Enter any name for the system you want to monitor (for example: WLTOUCH). In the "Remote computer" box, enter the IP address or device name of the system in question and the port. Then select the Test Connection button to test the connection to it.

- Default port for WLCPC: 80
- Default port for systems in the multiControl *plus* series: 81
- Default port for WLZent: 8080

Once the connection to the system you want to monitor is established successfully (0), configure the update delay. This is used to set how often data from the remote system is queried. You can choose between 10 seconds, 1 minute and 10 minutes.

Note: A remote facility may be a system from the multiControl *plus* series (XML version 1) or a Wireless Professional system. The type of remote access can also be selected.

File Options Units				- Anlage (not connecte	ed]		~ ¤ X
		2010 1000 1000					ZB English ← @ Help ←
General Alarm List Grou	ups Maps Email Ins	tallation Network Information	Cloud				
OK SError	Test Or Blocked	System Project					Save System Data
				Remote Facility		~ ^ X	New Remote Facility Edit Remote Facility Delete Remote Facility
Name	Remote Host	Status	Name:	WLTouch			
			Update delay: Remote access:	Image: 102.041 Cancel Test Image: 1 minute No access Web browser	Test Conn	cetion	
Path to web browser: /usr/b	pin/firefox						
Own port: 80							

Figure 76: Connection test for remote facility

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All the systems to be monitored are listed along with their name, IP address and status. The configuration menu of the system in question can be called up again and edited by selecting the Edit Remote Facility button. Systems highlighted accordingly can be removed from monitoring by selecting the Delete Remote Facility button.

			- Anlage [not connected]	v 🛛
File Options Help				
0101010	189190 109190010910	010101010101001001001010020101010 010101	01881	a English 🝷
	010010100000001			🕡 Help 🔹
		191891991911911911919191919191919191919		
		Selected to the control of the selected as a control of the contro	THE REPORT OF TH	
General Alarm List Gr	roups Maps Email Inst	tallation Network Information Cloud		
🔵 OK 🛛 🔀 Error	🔅 Test 🛛 🔶 Blocked	😋 Updating 🔵 Masked		Save System Dat
Configure Groups Test	Timer Remote Facilities	System Project		
				New Remote Facility Edit Remote Facility Delete Remote Facility
Name	Remote Host	Status		
WLTOUCH	10.2.0.41	•		
Dath to web barriers	- 11- 1- 16 6			
Path to web browser: /usr	r/bin/firefox			
Own port: 80				

Figure 77: Overview of remote facilities

The number of systems which can be monitored is limited to 1 by default

In the General view, along with the main system you will now also see the systems to be monitored by the main system.

	- Anlage [not connected]	~ ¤ ×
File Options Help		
		교 English • 《 Help •
General Alarm List Groups Maps Email Installation Network Information	Cloud	
🔵 OK 🔇 Error 🔅 Test 🔶 Blocked 😘 Updating		Activate Energy Save Block Luminaires Logout Start Function Test Start Capacity Test Abort Test Retract Emergency Follow-Up
Name	No. Groups	Status
Anlage	0	Operational
WLTOUCH		Õ

Figure 78: Monitoring remote facilities

Remote access to the system in question is established by double-clicking or tapping twice in the "No. Groups" or "Status" column of the respective system provided that this device supports the remote access option.

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8.12.5"System" View

You access the **System** view by selecting the **System** tab in the **Installation** view.

In the System view, contact details for the installer are entered and other settings affecting the entire system are configured. Figure 79 shows a screenshot of the **System** view.

Table 27 lists the boxes in the **System** view and their meanings.

Box	Meaning
First name, Last name, Company, Phone Email	Installer's contact details. These contact details are displayed in the Maintenance Due
Filone, Email	reminder window.
System name	Name of the WirelessProfessional system
Time to connection error	Time between a radio fault occurring and an error being reported. This parameter applies to all devices other than IO boxes.
Time to connection error for IO	Time between a radio fault to an IO box occurring and an error being reported. Alongside
Boxes	the error message, the relay of output 1 on the IO box (event device error function) also de-energises.
Emergency follow-up time	Time between the fire alarm signal being deactivated and the emergency luminaires be-
	ing switched off. If Manual Retraction is selected, the overrun time has to be manually
	terminated using the Reset Fire Alarm Overrun Time button in the General view.
Commands waiting	Number of commands which are still waiting to be transmitted to a device
Commands in execution	Number of commands in the USB coordinator's output buffer

Table 27: Boxes in System view

The longer of the two **Time to connection error** or **Time to connection error for IO Boxes** times is also the minimum period for which the automatic test system remains in the **Status is being updated** operating status (colour symbol) after a reboot. The system cannot switch into the **No error message** status (colour symbol) before this time because an error, present before the time when the system launches, will result in an error message after the **Time to connection error** time.

		- Anlage [not connected]	~ ¤ ×
File Options Help			
S.			₩English • @Help •
General Alarm List Gro	ups Maps Email Installation Network Information Cloud		
OK 😢 Error	🔯 Test 🛛 🔶 Blocked 😋 Updating 🔵 Masked		Save System Data
Configure Groups Test	Timer Remote Facilities System Project		
		[Serial Port] [Change Installer Password] [Reset Facility Manager Password] [Import Inspection Log] [Export Groups] [Reco Installer Contact Details	nnect All Devices
First name:	Max		
Last name:	Mustermann		
Company:	ABC-Technik GmbH		
Phone:	030 1234567		
Email:	mustermann@abc-technik.de		
		System Configuration	
System name:	Anlage		
Time to connection error:	2 hours 👻		
Time to connection error for IO Boxes:	2 hours +		
Emergency follow-up time	: Manual Retraction +		
		Message Queue Stats	
Commands waiting:	1 receiver_status: 1;		
Commands in execution:	1 receiver_status: 1 (broadcast);		

Figure 79: System view, installer user level
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If installation has been interrupted or if the coordinator is changed, the system ID must be re-entered in all devices. This is done using the **Reconnect All Devices** button. During this process, the system assignment is temporarily deleted from the devices. They are however still shown in the **Registered nodes** area. Devices of other systems within range are temporarily shown in the **Unknown nodes** area (Changing USB Coordinator 11.7).



Warning: The **Reconnect All Devices** function is performed in all other systems within range. Given that this process involves a high volume of radio traffic, it may take several hours to complete.

Once you have made changes in the **Configure Groups** view, select Save System Data to confirm the changes.

The functions listed in Table 28 can be performed using the buttons in the **System** view.

Button	Function	User level
Serial Port	Manual selection of port for USB coordinator	Installer
Change Installer Password	Change the installer password	Installer
Reset Facility Manager Password	Reset the facility manager password to 1111	Installer
Import Inspection Log	Not implemented	Installer
Export Groups	Exports the group structure into a file with comma-sepa-	Installer
	rated formatting (comma separated values, csv)	
Reconnect All Devices	All devices assigned to the system are allocated the system ID of the coordinator currently connected	

Table 28: Functions of the System view

Once you have made changes in the System view, select Save System Data to confirm the changes.

8.12.6"Project " View

You access the **Project** view by selecting the Project tab in the **Installation** view.

The address data for the building and/or project are entered in the Project view. The address data entered is used in the cloud to localise the project. Figure 80 shows a screenshot of the **Project** view.

Table 29 lists the boxes in the **System** view and their meanings.

Вох	Meaning
Project name	Name of the project
Building Name	Additional name of building
Address Line 1:	Building number and name of street
Address Line 2:	Building number and name of street
Postal Code	Postal code of building
City	Name of city or town where the building is located
Region	Federal state in which the city or town is located
Country	Name of country

Table 29 Boxes in the Project view

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- Anlage [not connected]	
File Options Help	
	₩ English ← 《 Help ・
General Alarm List Groups Maps Email Installation Network Information Cloud	
😑 OK 🔇 Error 🎇 Test 🔶 Blocked 😌 Updating 🝚 Masked	Save System Data
Configure Groups Test Timer Remote Facilities System Project	
Project name: Project_2024-09-18T10-37-33-398	
Building	
Building Name:	
Address Line 1:	
Address Line 2	
Postal Code:	
City:	
Region:	
Country:	

Figure 80 Project view, installer user level

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8.13 "Network Information" View

You access the **Network Information** view by selecting the **Network Information** tab. The **Network Information** tab is only available at the **Installer** and **Distributor** user levels.

The top part of the **Network Information** view shows the radio signal strength of the devices, which have a direct radio connection to the USB coordinator. The devices with a direct radio connection to the USB coordinator are highlighted in Figure 81. Figure 82 shows a screenshot of the **Network Information** view. The height of the bar indicates the radio signal strength. The device addresses are displayed above the bar.

Once a signal from a device has been received and the radio signal strength measured, a 4-minute timer is started. While the timer is running, the colour of the radio signal strength bar for this device changes from green to grey. If the 4-minute timer elapses without a new measurement being received for the device, the device is removed from the view.



- 1. Device with a direct radio connection to the USB coordinator
- 2. USB coordinator
- 3. Computer
- 4. Device with a direct radio connection to the USB coordinator
- 5. Send/receive radius of USB coordinator

Figure 81: Devices with a direct radio connection to the USB coordinator

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Figure 82: Network Information view, installer user level

The bottom part of the **Network Information** view serves to measure various radio network parameters, which may prove useful for problem-solving. If a measurement is needed, the distributor will handle this or will ask you to take the measurement and provide him or her with the results.

Start the measurement by selecting the Measure 1 Minute, Measure 10 Minutes or Measure 1 Hour button.

Before starting a measurement lasting more than one hour, set the logout time in the Email view to **never** and confirm the change with **Save System Data**.

The number of data packets passing between the coordinator and WirelessProfessional software can be artificially raised by ticking the "Increase USB Traffic" button. The tick in the checkbox is automatically removed when the Network Information view is exited or once the measurement has been started.³

Table 30: Measurements in the bottom part of the **Network Information** view lists the measurements and their meanings.

³ Should only be used in agreement with a service technician

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Measurement	Meaning
Packets from directly connected nodes	Number of radio packets per minute from devices with a direct radio connection to the USB coordinator. The colour symbol for this measurement turns yellow or red if too many devices have a direct radio connection to the USB coordinator.
Total requests received	Total number of requests per minute from devices to the automatic test system
Association requests received	Number of requests per minute from devices not yet installed in a system.
Heartbeats received	Radio network measurement
UART sent to / received by Coordina- tor	Number of data packets, which the WirelessProfessional software has sent to the USB coordinator and the number of data packets, which have been received by the USB coordinator
UART send error rate	Error rate calculated from the ratio of packets sent and packets received by the recipient
Total requests sent	Number of requests per minute from the automatic test system to devices
Total request error rate	Percentage of requests, which cannot be transmitted to the devices.
USB error rate	Percentage of requests, which cannot be transmitted to the USB coordinator via the USB connection.
Est. radio errors	
UART received from / sent by Coordi- nator	Number of data packets, which the USB coordinator has sent to the WirelessProfes- sional software and the number of data packets, which have been received by the Wire- lessProfessional software
UART receive error rate	Error rate calculated from the ratio of packets received and packets sent by the sender

Table 30: Measurements in the bottom part of the **Network Information** view

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8.14 "Cloud " View

You access the **Cloud** view by selecting the **Cloud** tab. The **Cloud** tab is available in the installer user level and higher. In the anyone and facility manager user levels, the **Cloud** tab can be displayed via the Help menu in the banner.

The cloud server data is displayed and other settings relating to cloud communication are configured in the **Cloud** view. Figure 84 shows a screenshot of the **Cloud** view.

Table 31 lists the boxes in the **Cloud** view and their meanings.

Вох	Meaning
Project Name	Name of the project (see
	Table 29)
Azure API Url	Web address of the API
Azure API Port	Port, which the API uses
Azure Api Authority	Link to user login page to create the user token
Azure Api Client Id	ID of server instance
Azure Host Name	Internal Azure server URL
Azure Functions Url	Web address of the API function
Azure Functions Port	Port, which the API function uses
Terms Display Port	Local port for the web browser for accepting the terms and conditions of use
User Token Port	Local port via which the user token is exchanged between web browser and LLXC
Azure API Timeout (s)	Timeout in seconds for requests to the Cloud Api
IOT Hub Message	Timeout in seconds for requests to the Azure IOT hub
Timeout (s)	
Display Name	Initially, "Cloud" is entered. The tab name is taken from this box.
Auto Close Browser	If this checkbox is ticked, the web browser opened automatically to log in to the cloud is closed
	again once the device has successfully logged in.
IOT Hub Use Web Sockets	If this checkbox is ticked, the IOT hub uses ports that also use websites rather than the ports en- tered here.

Table 31 Boxes in the Cloud view

Parameters relating to the cloud can only be modified if you have used the manufacturer login. Network and display parameters can, however, be modified at the installer user level.

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	- Anlage [not connected]	~ ¤ ×
File Options Help		
KD		ta∃English ↔ @ Help ↔
General Alarm List Group	s Maps Email Installation Network Information Cloud	
Cloud is deactivated.		Sign In Upload Inspection Log Activate Cloud Save Cloud Settings
Project Name:		
Azure Api Url:		
Azure Api Port:		
Azure Api Authority:		
Azure Api Client Id:		
Azure Host Name:		
Azure Functions Url:		
Azure Functions Port:		
Terms Display Port:		
User Token Port:		
Azure Api Timeout (s):	60	
IOT Hub Message Timeout (s): 60	
Display Name:	Cloud	
Display Error after Interval (m	2	
Auto Close Browser:		
IOT Hub Use Web Sockets:		

Figure 83 Cloud view, installer user level

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The functions listed in

Table 32 can be performed using the buttons in the $\ensuremath{\textbf{Cloud}}$ view.

Button	Function	User level
Sign In	Opens the web browser and prompts the user to log in to the cloud	Anyone
Upload Inspection Log	Uploads the inspection log to the cloud	Anyone
Activate/Deactivate Cloud	Activates or deactivates the exchange of data with the cloud	Installer
Save Cloud Settings	Permanently saves changes to the cloud parameters. Changes to the parameters are only adopted/used after saving.	Installer
Close	Closes the Cloud tab	Anyone & facility manager

Table 32 Buttons in the Cloud view

The Sign In and Upload Inspection Log buttons are only available when the cloud is activated.

8.15 "Distributor " View

You access the **Distributor** view by selecting the **Distributor** tab. The **Distributor** tab is only available at the distributor user level. In the **Distributor** view, the contact details and logo of the distributor are entered and other settings affecting the entire system are configured. Figure 84 shows a screenshot of the **Distributor** view.

Table 33 lists the boxes in the **Distributor** view and their meanings.

Box	Meaning
Company, Contact per- son, Phone, Email	Distributor's contact details. These contact details are displayed in the Maintenance Due re- minder window.
Logo	Logo, which is displayed in the WirelessProfessional software between the menu bar and ${\bf Gen}$
	eral, Alarm list etc. tabs. If the distributor does not load his or her individual logo, the Wireless-
	Professional logo is displayed. Figure 84 shows the Distributor view along with the distributor's
	logo. Pressing the Search button opens a window for selecting the logo file from within the direc-
	tory structure. The logo is only adopted in the display once the Save System Data button has been
	clicked on. The Reset button resets the logo to the WirelessProfessional logo.
Maintenance notification	The WirelessProfessional software displays maintenance notifications at the times defined by the
	maintenance interval. The Maintenance view can only be called up via the Help menu if Mainte-
	nance notification is selected.
Next maintenance	Time at which the WirelessProfessional software displays the reminder window for the system
	maintenance due. Once maintenance has been completed, the date for the next maintenance is
	increased according to the maintenance interval.
Maintenance interval	Time between completed maintenance and the next maintenance notification.
Maintenance password	Password that has to be entered in the Maintenance view in order to be able to complete the
protected	maintenance. The maintenance password is generated automatically by the WirelessProfessional
	software from the address of the USB coordinator and cannot be chosen by the user.
Maintenance plan 1-3	File paths to the maintenance plans and texts of links to the maintenance plans in the
	Maintenance view
Send maintenance	If the checkbox is ticked, sends emails containing a reminder that the maintenance date is due.
emails	
Reduce capacity test du-	The time over which the capacity test is run can be reduced here from the full measurement period
ration	to 2/3 of the measurement period.
Error Reset	Activating this function permits the corresponding user level to reset error messages that are is-
	sued by the WirelessProfessional system.

Table 33: Boxes in Distributor view

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		 Anlage [not connected] 			~ ¤ ×
File Options Help					
				SHB Eng	jlish ↔ ∦Help •
General Alarm List Groups	Maps Email Installation Network Information Distributor Cloud				
		Ackni	wiedge Tests Reset Invalid Devices Change Distributor Password Reset Installer Password	Save Sys	stem Data
Company:	ABC-Technik GmbH				
Contact person:	Max Mustermann				
Phone:	030 1234567				
Email:	mustermann@abc-technik.de				
Logo:	WL-Pro-Banner-Neutral-2021.jpg			Search	Reset
Maintenance notification:	V				
Next maintenance:	7/23/25 -				
Maintenance interval:	Yearly -				
Maintenance password protected	t: 🗹 Password: tvk				
Maintenance plan 1:	Text: Wartungsplan auf Deutsch	F	ile: C:\WirelessControl\Dok\Wartungsplan.pdf		
Maintenance plan 2:	Text: Maintenance plan in English	F	ile: C:\WirelessControl\Dok\Maintenanceplan.pdf		
Maintenance plan 3:	Text:	F	ile:		
Send maintenance emails:					
Reduce capacity test duration:	Full autonomous time				
	O 2/3 autonomous time				
Error Reset	✓ Janitor may reset errors				
	Installer may reset errors				



The functions listed in

Table 34 can be performed using the buttons in the **Distributor** view.

Button	Function	User level
Acknowledge Tests	Removes all entries of failed test results (capacity test, function test) from the Alarm List view. The failed test results are not removed from the test run progress and the fact that the Acknowledge Tests function has been run is entered in the test run progress. Should there be emergency lumi- naires with a failed test result, the test in question assumes an orange col- our symbol in the device details window for the emergency luminaire and the error is displayed as "acknowledged" when the cursor is held over the colour symbol. The Acknowledge Tests function serves to allow the distributor to exit the customer's system without error messages if errors have arisen during a capacity test and the errors have been remedied but the emergency lumi- naires need charging for 20 h before the next capacity test.	Distributor
Reset Invalid Devices	Registers the firmware of invalid devices in the system. The Invalid device error message may appear if the firmware of a device already installed in the system is being updated.	Distributor
Change Distributor Pass- word	Change the distributor password	Distributor
Reset Installer Password	Reset the installer password to 2222	Distributor
Save System Data	Saves changes to the system	Distributor

Table 34: Functions of the Distributor view

8.16 "Maintenance" View

The **Maintenance** view can only be reached via the **Help** menu or the maintenance notification. The **Maintenance** entry in the **Help** menu is only enabled if the distributor has activated the maintenance function. The **Maintenance** view can be seen at all user levels. Figure 85 shows a screenshot of the **Maintenance** view.

- <facility> [verbunden und aktiv]</facility>		- 🗆 X
Daten Optionen Hilfe		
🛜 Wireless Prof	essional 💽 💽	■Deutsch ・
Allgemein Wartung Fehlerliste Gruppen Geb	iudepläne	
Wartungspasswort:		Wartung abschließen Abbrechen
Wartungsplan auf Deutsch Maintenance plan in English IO-Boxen:		
Name	Adresse	
Facility>		
• 10G	0089	
Unbekannte Knoten:		
Notleuchten: 18 Repeater: 0 IO-Boxen: 0		
Netzwerkstatistiken:		
Messung noch nicht gestartet.	Miss 1 Minute Miss 10 Minuten Miss 1	Stunde 🗆 USB-Verkehr erhöhen
Pakete von benachbarten Knoten:	Gesendete Anfragen gesamt:	
Empfangene Anfragen gesamt:	Anfragenfehlerrate gesamt:	
Empfangene Assozilerungsanfragen:	🕒 USB-Fehlerrate: 🛛 🕘	
Empfangene Heartbeats:	\varTheta Geschätzte Funkfehlerrate: 🛛 🕘	
UART gesendet zum / empfangen vom Koordinator:	UART empfangen von / gesendet vom Koord.:	
UART Sende-Fehlerrate:	UART Empfangs-Fehlerrate:	

Figure 85: Maintenance view, facility manager, installer or distributor user level

Click or tap on the **Maintenance plan in English** link to open the corresponding maintenance plan. The maintenance plan contains detailed instructions about how to maintain the system.

One element of maintenance is checking that the relays of the IO boxes are fully functional. The system's IO boxes are listed in the **IO Boxes** area. Double-clicking or tapping twice on the entry for an IO box in the **IO Boxes** area opens the device details window for this IO box. The relays can be switched over for the check using the **T** buttons in the Configuration view (also refer to Section 8.17.3).

Selecting the Confirm Maintenance button ends the maintenance, closes the maintenance window and increases the timer for maintenance to the next maintenance date. In some circumstances, the Confirm Maintenance button is password protected. On the left-hand side of the **Maintenance** view, enter the maintenance password before ending maintenance with Confirm Maintenance.

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8.17 Device Details Window

Click or tap twice on a device entry in the **Alarm List**, **Groups** or **Configure Groups** views to open the device details window for the device. This window differs depending on the device type.

The device details window can be opened at all user levels. However, the entries can only be edited at **Installer** user level.

8.17.1 Device Details Window for Emergency Luminaire

The device details window for emergency luminaires allows the name/mounting location of the emergency luminaire to be entered and the operating mode to be switched between non-maintained and maintained operation. The position of the emergency luminaire on the map, its address and the results of the last three tests are displayed in the details window. If you hover the cursor above one of the colour symbols of the test results or tap on them, the time of the test and the result are displayed in plain text.

The luminaire transfers the time of the last reset to the control centre. A reset happens when the power supply fails (excessive discharge).

The Information tab contains not only information about the set operating mode and set duration for tests but also information about the up time. The up time indicates the time since the last power supply failure or luminaire reset. A capacity test is only carried out after an up time of more than 20 hours.

Notieuchteuon			
General Information			
Settings			
Position: Notleuchte001			
Operating mode: Non-maintained Luminaire •			
Position on map:			
Address: J2UU			
Test results			
Succeeded CO Failed	<u>A</u>	Failed, but Co	nfirmed
Last 3 manual function test results: N/A	N/A	N/A	
Last 3 manual capacity test results: N/A	N/A	N/A	
Last 3 automatic function test results: N/A	N/A	N/A	
Last 3 automatic capacity test results: N/A	N/A	N/A	

Figure 86 Device details window for emergency luminaire General tab

Notleuchte001		
General Information		
Hours of operation:	0 h	
Up time:	21 hours, 47 minutes	
Type:	Luminaire	
Operating mode:	Non-maintained Luminaire, switchable	
Function test duration:	2 minutes	
Capacity test duration:	3 hours	
Autonomous time:	3 hours	
Minimal voltage:	3.6 V	
Maximal voltage:	6.8 V	

Figure 87 Device details window for emergency luminaire Information tab

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Notleuchte001		
Conoral Tafarmakan		
General Information		
Settings		
Position: Notleuchte001		
Operating mode: Non-maintained Luminaire *		
Position on map: Non-maintained Luminaire		
Address: J200		
Test results		
Succeeded CO Failed	<u>A</u>	Failed, but Confirme
Last 3 manual function test results: N/A	N/A	N/A
Last 3 manual capacity test results: N/A	N/A	N/A
Last 3 automatic function test results: N/A	N/A	N/A
Last 3 automatic capacity test results: N/A	N/A	N/A

Figure 88: Device details window for emergency luminaire operating mode

Device type	Function
Maintained Luminaire	Luminaire for continuous lighting and for instances when the power supply to the
	general-purpose lighting fails
Non-maintained Luminaire	Luminaire for instances when the power supply to the general-purpose lighting
	fails

8.17.2 Device Details Window for Repeaters

In the **Device Details window** for repeaters, you can set the name/mounting location of the repeater and display its position on the map as well as its address.

😨 Device Details	×
C Repeater001	
General Information	
Settings Position: Repeater001 Operating mode: Position on map: Address: G860	
	OK Cancel

Figure 89: Device details window for repeaters

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8.17.3 Device Details Window for IO Boxes

In the General view in the Device Details window for IO boxes, you can set the name/mounting location of the IO box and display its position on the map as well as its address. The current status of the mains voltage at the IO box, the switching status of the three outputs (K1-K3) and two inputs (E1, E2) can also be shown using the same colours as the displays on the IO box.

Device Details		×
IO Box0	01	
General Co	ifiguration	
Settings		
Position:	IO Box001	
Operating m	ode:	
Position on r	nap:	
Address:	FSD6	
	WirelessControl	
	Netz K1 K2 K3	
		OK Cancel

Figure 90: Device Details window for IO boxes, General view

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The IO box's inputs and outputs can be configured in the **Configuration** view of the Device Details window for IO boxes.

Oevice Details	×
🥟 IO Box001	
General Configuration	
Overview	
Hours of operation: 0 h	
Type: IO Box	
Settings	
K1 T K2 T	K3 T
Device Error, <facility></facility>	
Netz K1 K2 K3 🔂 🎒 🖉	2
E1	E2
	OK Cancel

Figure 91: Device Details window for IO boxes, Configuration view

In the **Configuration** view, select the K2 or K3 buttons to configure outputs 2 or 3 on the IO box. Figure 92 shows the window for configuring the outputs. The event, which is to trigger the output switching, is selected in the **Output State** area. Table 35 explains the meanings of the events listed. In the **Groups applying** area, you can select the groups in which the selected event has to occur in order for the output to be switched. If **Energy Save / Activate**, **Manual Fire Alarm Active** or **Disabled** is selected as the event, the groups selection is disabled because these events always affect the entire system.

Configure IO Box	Output 2	×
Output State:	 Test Running Last Test Falled Maintained Luminaires switched Non-Maintained Luminaires switched Luminaires Blocked Energy Save / Activate Manual Fire Alarm Active Disabled 	
Groups applying	3: Y C + G B EG C + 1.05	el

Figure 92: Configuring the IO box output

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Event	Function
Test Running	Output is switched for the duration of the test
Last Test Failed	Output is switched as a result of a failed test
Maintained Luminaires switched	Output is switched if at least one maintained emergency lumi- naire is switched off
Non-Maintained Luminaires switched	Output is switched if at least one non-maintained emergency luminaire is switched on
Luminaires Blocked	Output is switched if at least one emergency luminaire is in re- mote inhibiting mode
Energy Save / Activate	Output is switched if all switchable emergency luminaires are switched off
Manual Fire Alarm Active	Output is switched if the signal at the fire alarm input on the IO box is enabled
Disabled	Output is disabled

Table 35: Output states of outputs

Output 1 (K1) is always allocated the **Event Device Error** function and cannot be configured. The relay of output 1 de-energises as soon as a device in the system reports an error. The relay of output 1 will only de-energise with the **time to connection error for IO boxes** delay if the radio connection between the IO box and automatic test system is interrupted. The **time to connection error tion error for IO boxes** duration is set in the **Installation/System** view (Section 8.12.5).

The function of the output relays can be checked by pressing the **T** buttons in the **Configuration** view. The **T** buttons switch over the relay of the respective output. As soon as the **Configuration** view is exited, the relays of outputs K1-K3 are reset to the switching state, which matches the configuration of the respective output.

In the **Configuration** view, select either the E1 or E2 button to configure the inputs on the IO box. Figure 93 shows the window for configuring the IO box inputs. A name can be assigned in the **Input Name** area. The process which is triggered by the signal at the input is selected in the **Operating Mode** area.

Table 36 explains the operating modes of the inputs. In the Logic level area, select whether the event is triggered by a high level (high-active) or by a low level (low-active) at the input. The groups affected by the process are selected in the **Groups to switch** area. If **Energy Save / Activate**, **Manual Fire Alarm Active** or **Disabled** has been selected as the process, the groups selection is disabled because these events always affect the entire system.

Configure IO Box	Output 2	×
Output State:	○ Test Running	
	O Last Test Failed	
	O Maintained Luminaires switched	
	O Non-Maintained Luminaires switched	
	O Luminaires Blocked	
	O Energy Save / Activate	
	O Manual Fire Alarm Active	
	Disabled	
Groups applying	g: <pre> <facility> EG I.OG</facility></pre>	
	OK Can	cel

Figure 93: Configuring the IO box input

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Operating mode	Function
Switch Maintained Luminaires	Switches maintained emergency luminaires on/off
Switch Non-Maintained Luminaires	Switches non-maintained emergency luminaires on/off
Start Function Test	Starts a function test (only action switch)
Block Luminaires	Puts emergency luminaires into remote inhibiting mode
Energy Save / Activate	Switches all switchable emergency luminaires off /
	switches all maintained emergency luminaires on
Manual Fire Alarm Active	Switches all switchable emergency luminaires on
Reset Fire Alarm Overrun Time	Ends the overrun time after a fire alarm.
	(only action switch)
Emergency mode 1h	Switches selected groups into emergency mode for 1
	hour (not available in all regions)
Disabled	Disables this input

Table 36: Operating modes of IO box inputs

8.18 Menus

The menu bar is located under the title bar of the WirelessProfessional software window. **The menu bar is not displayed in full-screen mode!** You can use the Alt + Enter key combination to switch between full-screen mode and the normal viewing mode.

A password has to be entered to exit full-screen mode. Once full-screen mode has been exited, login at the user level matching the password is activated.

8.18.1File Menu

Figure 94 shows a screenshot with the **File** menu expanded.

Table 37 explains the entries in the **File** menu. The **Inspection Log**, **Communications Log** and **System Log** menu functions correspond to those in the **Alarm List** view.

File Options Help			
Inspection Log	00101020201010201010101001		95 Faaliak a
Operation time Log	0000101010101001001		ata Eriglish 👻
			🕼 Help 👻
	10101010100100 0 10110 (10 10 10 10 10 10 10 10 10 10 10 10 10		
System Log	Herenooren en furne letter austeriere		
Quit Application Maps			
UK 💟 Error 🕵 lest 🔶 Blocked 🐱 Updating			Login
Name	No. Groups	Status	3
Anlage	0	Operational	

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Menu entry	Function
Inspection Log	Opens the test run process. See Section 0 Eine Funktions- oder Dauerprüfung kann nur dann ge- startet werden, wenn die Batterien der Notleuchten ausreichend geladen sind (siehe Abschnitte 2.2 und 2.3). Prüfverlauf
Operationtime Log	Not implemented
Communications Log	Opens the communications log. See Section 5.7.2 Kommunikationslog
System Log	Opens the system log. See Section 5.7.3 Systemlog
Quit Application	Closes the WirelessProfessional software

Table 37: File menu

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8.18.2 Options Menu

Figure 95 shows a screenshot with the **Options** menu expanded. Table 38 explains the entries in the **Options** menu.

- Anlage [not connected]	
File Options Help	
Serial Port of the serial Port of the serial Port	English -
Start Function Test quality and the second s	
Start Capacity Test	W Help *
Put Message into Inspection Log	
Gene ation Network Information Cloud	
Cron v rockéd 🕹 Updating	Activate Energy Save Block Luminaires Logout
	Start Function Test Start Capacity Test Abort Test Retract Emergency Follow-Up
Name No. Groups	Status
Anlage 0	😑 Operational

Figure 95: Options menu

Menu entry	Function	User level
Serial Port	Manual selection of port for USB coordinator	Anyone
Start Function Test	Starts a function test for all emergency luminaires	Facility manager, installer
Start Capacity Test	Starts a capacity test for all emergency luminaires	Facility manager, installer
Put Message into Inspection Log	Manual input of messages into test run progress	Anyone
Login / Logout	Login / Logout as facility manager or installer	-
Toggle Fullscreen	Toggles into full-screen mode	Anyone (enable)

Table 38: Options menu

A function or capacity test can only be started if the batteries of the emergency luminaires are adequately charged (see Sections 2.2 and 2.3).

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8.18.3Help Menu

Figure 96 shows a screenshot with the **Help** menu expanded. Tabelle 34 explains the entries in the **Help** menu.

Menu entry	Function
Contact	Shows the installer's contact details.
Show Support Infor- mation	Shows the device address of the USB coordinator (device number), the date on which the WirelessProfessional software version was created (build date) and the contact details of the installer and distributor (Figure 97)
Perform Maintenance	Opens the Maintenance view. The Maintenance entry is only enabled if the distributor has activated the maintenance function
Software Update	WirelessProfessional can be updated as of version 2.1. A corresponding update file can be selected and loaded onto the system in the Software Update view.
Toggle Fullscreen	Software is switched to full-screen mode.
About	Shows the software version, build date and manufacturer

Table 39: Help menu

File Options Help		
		Contact Show Support Information
General Alarm List Groups Maps Email Installation Network Information	Cloud	Cloud Settings
CK SError State Allocked SUpdating	No Grains	Z Perform Maintenance Start Function Test Start Cap About
Anlage	0	Operational
	Figure Of Liele means	
	Figure 96: Help menu	

There are two ways of accessing the Help menu. Firstly, using the top task bar and secondly on the right-hand side using the button in the banner. There is however one difference between them. If you access via the button in the banner, the software can be switched to full-screen mode but this option is not available under Help accessed using the top task bar.

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Send Support Information 🛛 👻 🛧 🗙
General
USB-Koordinator address: Device number: Build date: Wednesday, October 16, 2024
Project Installer Distributor
First name: Max Last name: Mustermann Company: ABC-Technik GmbH Phone: 030 1234567 Email: mustermann@abc-technik.de
Save Cancel

Figure 97: Support information window

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9 Other Software

WirelessProfessional systems are supplied with additional programs pre-installed and configured. Consult the user manual of the respective hardware for details.

The WirelessProfessional setup for Windows is supplied with installers for the additional program or the additional program as a portable version (in the most recent version at the time of release). These are also stored in the WirelessProfessional folder. Table 40 provides an overview of the help programs provided.

A licence is needed to be able to use the software in some cases.

Software	Function	Licence
VNC server	Remote desktop software for connections in the local network. Download the client (VNC viewer) from https://www.realvnc.com/download/	Server: licence needed, www.realvnc.com Client: no licence needed
TeamViewer portable	Remote desktop software for connections via the In- ternet. Download the client (TeamViewer All-in-one) from http://www.teamviewer.com/de/download/index.aspx	Server(host): no licence needed Client: licence needed, https://www.teamviewer.com/de/licensing/in- dex.aspx
RustDesk ^₄	Remote desktop software for connections via the In- ternet.	No licence needed

Table 40: Other pre-installed software

⁴ A private relay server based in Europe is run for remote access to WirelessProfessional products. The server ID has to be maintained manually

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10 IP Address

For the Wireless Professional software to be able to monitor another device via Ethernet, there must be a network connection between the devices.

Admin rights are needed in the device to set up the network adapter properties. If you do not have these rights, please contact your administrator or distributor.

If the monitoring device is not in the same IP address space as the monitored device, an appropriate route must be created from one IP address space via a gate to the other address space.

The network route is set up in the operating system. Contact your administrator.

A device requiring monitoring can be addressed by the Wireless Professional software both using the DNS and the IP address. For the device to be addressed via DNS, the name server must be entered during network configuration.

The DNS is set up in the operating system. Contact your administrator.

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11 Problem-Solving

11.1 During the Installation, a Device Address is Not Shown in the Unknown Nodes Area

Check the following in the order stated:

- 1. Check that the device is connected to the mains voltage (emergency luminaires: Is the charge check indicator lit up? IO box: Is the green indicator lit up?)
- 2. If the device is connected to the mains voltage: Go to 2
- 3. If the device is not connected to the mains voltage: Connect the device to the mains voltage.
- 4. Check whether the device is transmitting a radio signal. Run the USB coordinator with the PC and WirelessProfessional software next to the device. Check whether the device address is displayed in the **Network Information** view.
- 5. If the device address is displayed in the **Network Information**: Go to 3.
- 6. If the device address is not displayed in the **Network Information**: Contact our distributor.
- 7. Check whether the device address is listed under **Unknown nodes** when you run the USB coordinator with the PC and WirelessProfessional software next to the device.
- 8. If the device address is listed under **Unknown nodes**: the radio connection to this device is presumably interrupted because the distance between the devices is too great at one or more points in the radio network.
- 9. If the device address is not listed under **Unknown nodes**, the device has not been correctly registered in this system. To correct this, manually create the luminaire and assign it to the system. Then delete the luminaire again from the system and also from the list of **Unknown nodes**. The luminaire should now automatically appear under **Unknown nodes**.

11.2 Invalid Devices are Displayed in the Unknown Nodes Area

The WirelessProfessional software reports invalid devices if the device firmware is not saved in the WirelessProfessional software. This typically happens when new devices produced at a later date are added to an existing WirelessProfessional system. To update the WirelessProfessional software, contact our distributor.

11.3 After the WirelessProfessional Software is Launched, System Remains in Status is being updated Operating Status

The time for which the automatic test system remains in the **Status is being updated** operating status (colour symbol) after a reboot is set by the longer of the two **Time to connection error** and **Time to connection error for IO boxes** times. The **Time to connection error** and **Time to connection error** for **IO boxes** times. The **5**.11.4).

11.4 Forgotten Facility Manager Password

The facility manager password can be reset to **1111** by the installer or our distributor. The facility manager password is reset in the **Installation/System** view.

11.5 Forgotten Installer Password

The installer password can be reset to **2222** by our distributor.

11.6 Luminaire Not Sending Connection Requests / Not Appearing in Unknown Nodes Area

Devices which are not automatically detected by the system can be manually added by the user (see Figure 66 onwards).

11.7 Changing USB Coordinator

- 1. Disconnect USB coordinator from PC by removing USB coordinator from USB cable.
- 2. In the software, go to **Installation** \rightarrow **System** and press the Reconnect All Devices button (see Figure 79).
- 3. Close the software. In the top left of the software under **File**, go to **Quit Application** and confirm the following message with OK (The USB cache is deleted).
- 4. Relaunch the software.
- 5. Connect the new USB coordinator with the PC.
- 6. Then establish a connection in the software by selecting the serial port (see Section 3.3).

Note: Once the connection to the coordinator has been established, the Wireless Professional software will automatically undertake re-association of all devices by individually disassociating the devices in turn and then re-associating them.

11.8 Reading the Version and Build Platform of the WirelessProfessional Software

The build platform is entered in every log file (inspection log, communication log and system log) when the WirelessProfessional software is launched. This information can also be found in the About window in the Help menu.



Figure 98 About Window

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12 Technical Data

Table 41: Technical data*

Operating frequency	865MHz – 868.6MHz
Tuning range	868MHz +/- 100kHz
Type of modulation	GFSK
Name of transmission	F2DCT (1% duty cycle)
HF channel division	868MHz +/- 50kHz
Transmission bandwidth	300 kHz
Transmission power maximum	10dBm (10mW)
effective	-10dBm (0.1mW)
Indoor range	Min. 30m (for luminaires with plastic casing, repeaters and IO boxes) Min. 24m (for luminaires with metal casing)

*For relevant standards and specifications, refer to declaration of conformity

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13 Glossary

Automatic test system (ATS)

Automated test system, which may be triggered by hand, comprising parts (such as internal clock, current detectors, light detectors, selector switches) which are connected together to form a system. This system can perform the routine requirements of tests on emergency luminaires and display the test results (EN 62034:2012)

Autonomy time

In the WirelessProfessional software, the term used for the rated operating period.

Battery mode

Status of an emergency luminaire with individual battery, which ensures lighting by supplying power from its in-built current source should the general power supply fail (EN 60598-2-22:1998 + A1:2003)

Rated operating period

Period stated by the manufacturer [of emergency luminaires] for which the rated light current is output (EN 60598-2-22:1998 + A1:2003). Known in the WirelessProfessional software as "autonomy time".

Rated light current of the emergency luminaire

The light current, which according to the manufacturer is output within 60 s (0.5 s for workplaces subject to particular hazards) after a fault to the general power supply and is output from then until the end of the rated operating period (EN 60598-2-22:1998 + A1:2003)

Fire alarm input

Option for configuring the inputs of an IO box. If the signal at a fire alarm input is enabled, all switchable emergency luminaires are switched on. If the fire alarm signal is switched off, the emergency luminaires remain switched on for the duration of the fire alarm overrun time and only then are they switched off again.

Fire alarm overrun time

Time during which the emergency luminaires remain switched on once the signal at the fire alarm input is no longer enabled.

Capacity test

Test for whether the battery of the safety lighting system is supplying the system in line with the limit values for the rated duration of emergency mode (EN 62034:2012)

Directly addressable IoT device

Directly addressable IoT devices are usually connected to the LAN using their own IP address or have their own direct network connection, e.g. by means of a mobile service, and can act independently or are managed by a central control unit. (SYS.4.4 general IoT device)

Remote inhibiting mode

Status of an emergency luminaire with individual battery which is taken out of operation by a remote control unit when the general power supply is present and the luminaire does not switch to battery mode when the general power supply fails. (EN 60598-2-22:1998 + A1:2003) Remote inhibiting mode is only permitted during idle times in operation. Only switchable emergency luminaires can be run in remote inhibiting mode. If the emergency luminaire loses radio contact with the automatic test system, remote inhibiting mode is ended after 15 minutes. Emergency luminaires in remote inhibiting operation cannot be tested and remain in remote inhibiting mode even in the event of a fire alarm.

Function test

Test to establish that the circuit is intact and that a lamp, changeover device and energy source are running as intended (EN 62034:2012)

Device address

4-digit Base32-coded address, with which a device identifies itself within the wireless system.

Masking

A function of the WirelessProfessional software, which suppresses error messages from masked devices. Masked devices can be recognised as such in the Configure Groups view.

Mains operation

Status of an emergency luminaire with individual battery which is operational in emergency mode when the general power supply is present. In the event of a fault with the general power supply, the emergency luminaire with individual battery automatically switches into battery mode (EN 60598-2-22:1998 + A1:2003)

Emergency lighting

Lighting which takes effect when the power supply to the general-purpose lighting fails (CIE Publication 17.4, EN 60598-2-22:1998 + A1:2003)

Non-maintained emergency luminaire

Luminaire in which the lamps for emergency lighting are only switched on when the power supply to the general-purpose lighting fails (EN 60598-2-22:1998 + A1:2003)

Maintained emergency luminaire

Luminaire in which the lamps for emergency lighting are always continuously powered when general-purpose lighting or emergency lighting is needed (EN 60598-2-22:1998 + A1:2003)

Emergency luminaire with individual battery

Maintained or non-maintained luminaire for emergency lighting, containing all parts, such as battery, lamp, control unit and test and monitoring equipment, if provided. These parts are located in the luminaire or in its direct vicinity (i.e. within a cable length of 1 m) (EN 60598-2-22:1998 + A1:2003)

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Fault to the general power supply

Status in which the general-purpose lighting is no longer able to guarantee the minimum light level over the escape routes and in which emergency lighting is to start up (EN 60598-2-22:1998 + A1:2003)

System ID

An ID for the wireless network, which is derived from the coordinator's wireless address and is transferred to all devices in a system.

WirelessProfessional control centre

A unit comprising a PC with WirelessProfessional software and coordinator is known as a control centre.

14 Revision History

WirelessProfessional – Installation and Software Operation		
Date	Software version / Revision	Comments / Important changes compared to the previous version
09.07.2014	1.2.0	Creation
24.09.2015	1.3.0	Update. "Maintenance" and "Other Software" sections added.
13.07.2017	1.4.0	Updates to WirelessProfessional
10.11.2017	1.4.1	Corrections
14.11.2017	1.4.2	Corrections
16.11.2017	1.4.3	Corrections
23.11.2017	1.4.4	Coordinator changes added
01.02.2018	1.4.5	Corrections
19.06.2018	1.4.6	Remote facilities added
21.08.2019	1.4.7	WL Pro Version 2.2, font, "Technical Data" section added
16.09.2019	1.4.8	Changes to fire alarm overrun time in Table 10
07.10.2020	1.4.9	Updates for WL Pro version 2.3
xx.12.2022	1 .5	Updates for WL Pro version 2.4
02.05.2024	1.7	Changes for WL Pro version 2.4.8
20.09.2024	1.8	Updates for WL Pro version 3.0

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15 List of Key Words

Activate 38, 42 Address 7 Alarm list, view 43 Automatic test 24 Automatic test system 95 Battery error 40 Battery mode 95 Block emergency luminaires 42 Capacity test 8, 24, 25, 42, 48, 60, 95 Capacity test, configuration of 60 Change distributor password 78 Change installer password 69 **Communications log** 45 Configure groups, view 54 **Connection error 40 Connection lost 40** Device 7 **Device details 80** Device types 7 Distributor, view 74, 77 Email, view 52 **Emergency lighting** 95 **Emergency luminaire with individual battery** 95 Emergency luminaire, device details 80 Emergency mode 7 Energy save 38 Energy Save 42 Event device error 84 Failure of the power supply 7 Fault to the general power supply 96 Fire alarm 38 Fire alarm input 95 Fire alarm overrun time 42.95 Full-screen mode 87 Function test 24, 42, 48, 60, 95 Function test, configuration of 60 Groups 47 Illuminant error 40 Installation 9 Installation. view 54 Installer password 11, 35 Installer, contact details 68

Installing devices 12, 57 Installing devices manually 58 Invalid device 40 IO box 7 IO box, device details 82 Mains operation 95 Maintained emergency luminaire 7,95 Maintenance 79,88 Map 18 Maps, view 49 Masking 95 Network Information, view 71 Non-maintained emergency luminaire 7,95 Processor-controlled emergency luminaire 8 **Quit application 86 Rated light current** 95 **Rated operating period** 95 Remote inhibiting mode 38, 48, 95 Repeater 7 Repeater, device details 81 Reset facility manager password 69 Reset installer password 78 Reset invalid devices 78 Send/receive radius 6 Software Installation 26 Status symbols 38 Support information 88 Switching emergency luminaires 48 Symbols 38 System log 46 System requirements 26 System, view 68, 69 Tab 1 Test run progress 44 Test, view 60 Time to connection error 68 Timer, view 61 Unknown node 57 USB coordinator 6 View 1

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16 Contact Information

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