

Operating and Assembly Instructions

Door Intercom System

DoorLine Pro EXCLUSIVE



Telegärtner
Elektronik GmbH

1 Preface

Congratulations for purchasing the DoorLine Pro Exclusive from Telegärtner.

Read through these Operating Instructions carefully and attentively. They contain important information for your safety and valuable tips and additional application options of the device. The information on usage and care should guarantee that you have many years of satisfaction with our product. Please retain all documents, also for subsequent owners.

The content of these Operating Instructions has been prepared with great care. In spite of all checks, however, there is still a possibility that technical inaccuracies and typographical errors have been overlooked. All errors that come to our notice shall be eliminated in new editions. We highly appreciate your feedback at any time if you find a mistake that we overlooked.

These Operating Instructions also use the term "device" or "door intercom system" to refer to the DoorLine Pro Exclusive.

The private branch exchange system is also referred to as "PBX System".

1.1 Copyright

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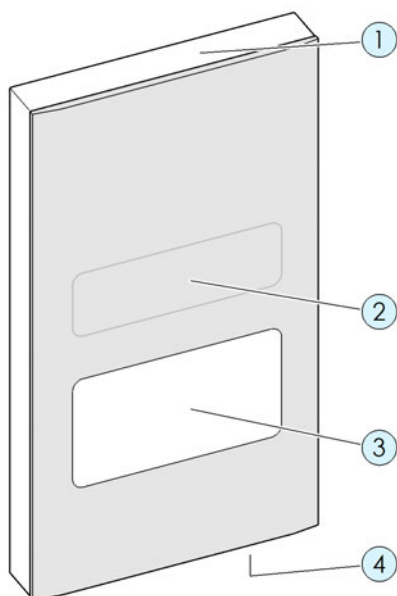
2 Safety instructions

Before installing or using the product, it is essential to observe the instructions in this manual.

If you fail to follow these instructions, the manufacturer Telegärtner Elektronik GmbH will not accept any liability for any damage resulting from negligent or deliberate disregard of the instructions in this operating manual!

- Keep small parts and packaging well away from children. There is a danger of suffocation.
- Connect the product only to equipment that supplies SELV (Safety Extra Low Voltage).
- Only connect CE-certified end devices to the telephone system.
- Do not connect devices that have equipotential bonding including earthing on the lines. Do not connect the a/b lines with an earthing conductor because this can result in damage to the device.
- Only use the original wall power supply of the product included in the delivery.
- Do not use damaged devices. Have a damaged device repaired immediately.
- The lines must not be installed or connected during storms. Nor is it permitted to insert or unplug the connection plug during storms.
- The housing must not be opened under any circumstances. Unauthorised opening, incorrect repairs or modification can result in dangers to the user. Warranty claims shall also be rendered void.
- Protect the product against dust, aggressive liquids and vapours.
- Do not use the product in damp rooms or in potentially explosive areas.
- Do not install your product near heat sources or other electrical devices.
- Do not permit liquid to penetrate the interior of the product. This may result in electric shock or short-circuits.
- Route connecting lines and cables such that there is no risk of accidents!
- It is essential to store the emergency PIN card separate from your door intercom system.

3 Product information and description



Item.	Description
1	Frame lighting
2	Motion detector (not visible) Brightness sensor (not visible)
3	Touch display
4	Microphone Loudspeaker (not visible)

3.1 Model variants

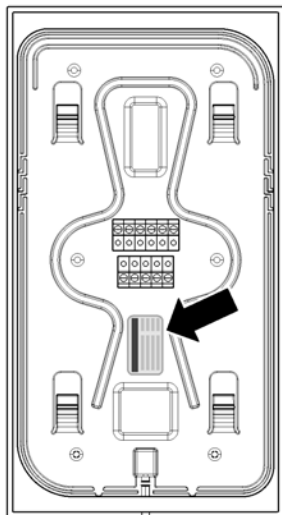
DoorLine Pro exclusive color

Surface	Glass	
Colour/Article number	white	150500
	black	150510
	anthracite	150520
	Spot colours	On request

DoorLine Pro exclusive steel

Surface	High-grade steel	
Product number	150530	

3.2 Nameplate



The nameplate contains the serial number, product coding and additional information on the device type. The serial number is also shown on the emergency PIN card (see chapter Emergency PIN [► 13]).

3.3 Specified use

DoorLine Slim is designed for connection to analogue telephone systems.

It can be used

- as an intercom
- as access control via PIN
- for remote-controlled opening of doors or gates
- for relaying door conversations to telephones
- for connection to other control systems

DoorLine has been developed for private as well as commercial use.

3.3.1 Notes on the use of an electronic door opener

There is an increased risk of burglary if you connect a door opener if the relay contacts are accessible following disassembly of the DoorLine.

It is safer to configure a door opener via a SwitchBox (accessories) because this is located inside the house, which means that the relay contacts cannot be manipulated from the outside.

An electric door opener does not substitute door closure by a locking bar, it is an intelligent, additional safety feature.

It is primarily intended for daytime operation, whereas at night time or in case of absence the relevant door is locked by the locking bar.

As far as insurance is concerned, a door that is held closed only by the use of the door opener is not regarded as locked!

3.4 Technical prerequisites

- The device is designed for connection to an analogue telephone connection (a/b-Port) telephone system.
- The voltage is supplied via the wall power supply included in the delivery. This requires a mains socket-outlet at the place of installation.
- Both relay switching outputs of the device connect potential-free. This means that when a door opener or a similar device is activated, it may be necessary to provide an additional bell transformer (see chapter Connecting device [► 19]).
- The installation of your PBX system and its operation require the use of telephone plugs (e.g. TAE or RJ11), cables and lines that are not included in the scope of supply.
- Your PBX system and end devices (telephones) must support touch-tone dialling (DTMF).
- System requirements for the PC configuration software:
 - Pentium-compatible PC or higher
 - Microsoft Windows® XP, 7, 8
 - 64 MB RAM (128 MB recommended)
 - 250 MB hard disc
 - Minimum resolution 800x600, 256 colours
 - Bluetooth interface

3.5 Technical data

Telecommunication technical data	Supply voltage	24 – 64 V DC
	Supply current	20 – 50 mA
	Ringing voltage	32 – 75 V / 23 – 28 Hz
		42 – 75 V / 50 Hz
Display	TFT	4.3" touchscreen
	Resolution	480 x 272 pixels
Bell pushbuttons	Number	1 - 4
Call numbers	Number	per button 2 call numbers with 25 positions
Relay switching outputs	Relay switching output 1	potential-free, 24 V AC / DC 1 A
	Relay switching output 2	potential-free, 24 V AC / DC 1 A
General data	Power supply	via wall power supply included in delivery
	Input voltage	230 V AC, 50 Hz
	Output voltage	12 V DC / 1 A stabilised
	Cable length of wall power supply	150 cm
	Current consumption	10 Watt
	Degree of protection	IP54 (in installed state)
	Operating temperature	-20 °C to +60 °C
	Weight	432 g
Dimensions	Mounting plate	165 x 79.5 mm
	Device	240 x 130 x 25 mm (in installed state)

3.6 Configuration options

The device can be configured in three different ways.

- Configuration via the touch display
- Configuration via the PC software
- Configuration via a telephone

Configuration options for each configuration type

	Touch display	Telephone	PC software
Number of bell pushbuttons	X	X	X
Call number assignment	X	X	X
Colour settings of bell pushbuttons	X	-	X
Display colour/screens	-	-	X
Display brightness	X		X
Screens/graphics/sounds	-	-	X
Frame lighting	X	-	X
Volume and microphone sensitivity	X	X	-
Access control	X	-	X
Time	X	-	X

Recommended configuration for initial operation is the configuration via the touch display.

As not all parameters are available in all configuration types, we recommend a combination of the different configuration types. A background image for the bell pushbuttons, for example, can only be loaded to the door intercom system via the PC software.

The PC software can be downloaded in the Download area under www.telegaertner-elektronik.de.

Please note the information in the chapter Technical requirements [► 10].

3.7 Emergency PIN

An emergency PIN card is included in the scope of delivery. It includes a device-specific emergency PIN.

If you have misplaced or forgotten your PIN for the configuration, you can reset it at any time with the emergency PIN.

The serial number of the device is also shown on the emergency PIN card.

It is essential to store the emergency PIN card separate from your door intercom system.

3.8 Accessories

- Power unit for carrier rail assembly (DIN rail) HDR-15-12, article number 116715 (for voltage supply to the DoorLine Pro Exclusive).

To extend your door intercom system for a multi-party house or a domotics system, the following accessories are available

- SwitchBox SB-221
 - In-wall mounting
 - 2 PBX systems, connectable
 - 1 relay contact, configurable
- SwitchBox SB-222
 - On-wall mounting or mounting on top hat rail
 - 2 PBX systems, connectable
 - 2 Relay contacts configurable
- SwitchBox SB-442
 - On-wall mounting or mounting on top hat rail
 - 4 PBX systems, connectable
 - 3 Relay contacts configurable
- I/O Box IO-332
 - On-wall mounting or mounting on top hat rail
 - 3 inputs, configurable
 - 3 Relay contacts configurable

Important: With the use of a SwitchBox SB221, no other extension boxes can be connected to the door intercom system!

3.9 Things worth knowing about the DoorLine family

Our DoorLine products offer optimum convenience and advantages - and the right functions for every user. All models are developed and produced in our headquarters in Crailsheim. Our production in Germany guarantees the very best quality.

Commissioned by Deutsche Telekom, in 1993 the company Christoph Emmerich develops the first door intercom system which can be connected to a telephone system. Under the brand name DoorLine, the telephone systems Eu-mex and T-Concept are connected with the door intercom via a universal 2-wire connection.

Four years later, Telegärtner Elektronik in Crailsheim takes over the production of the DoorLine products. From 2003 onwards, apart from the CE2-wire version Telegärtner also develops a new version of the DoorLine, which can be connected via the a/b-Port and is thus compatible with all PBX systems of various manufacturers.

Since 2003, the DoorLine is also available as a "letterbox module", i.e. without housing and bell pushbuttons. The present-day DoorLine classic was newly developed in 2005. In 2010, a new letterbox module appears with four bell pushbuttons, door opening control and additional relay, for example, for a door bell. The models DoorLine Pro (2014) and DoorLine Pro Exclusive (2015) are completely new in the range.

4 Assembly and connection

4.1 For your safety

Assembly must only be carried out by specialists with corresponding skills and experience. These persons must be able to detect dangers and to avoid possible risks.

The statutory specifications at the place of installation must be observed.

Take care not to jam the connecting cables during installation.

Also observe the safety instructions at the start of the Operating Instructions.

Caution: The front panel of the model DoorLine Pro exclusive color is made of glass. It can be damaged and cause injury. Protect the glass surfaces against damage.

4.2 Scope of supply

The scope of supply of the device includes:

- the device
- wall power supply
- mounting plate
- bag with fastening material and Allen key
- brief instructions
- Emergency PIN card (see Emergency PIN ► 13)

4.3 Prior to assembly

Check all parts for completeness and transport damage prior to assembly.

We recommend that you initially connect the DoorLine in the direct vicinity of your PBX system, try it out and make the basic configuration.

In this manner, you can install the wiring and configure the bell pushbutton quickly and easily.

After the DoorLine functions perfectly in this test setup with your PBX system and telephones, you can install the DoorLine in its final place of usage.

4.4 Place of installation

- The device is intended for installation outdoors in an area protected from splash water (moisture protection as per IP 54).
- A minimum distance from the microphone to the nearest corner wall surface of at least 10 cm must be observed.
- The ambient temperature must be between -20 °C and +60 °C.
- In the area of the installation location, no supply lines or similar must be installed.

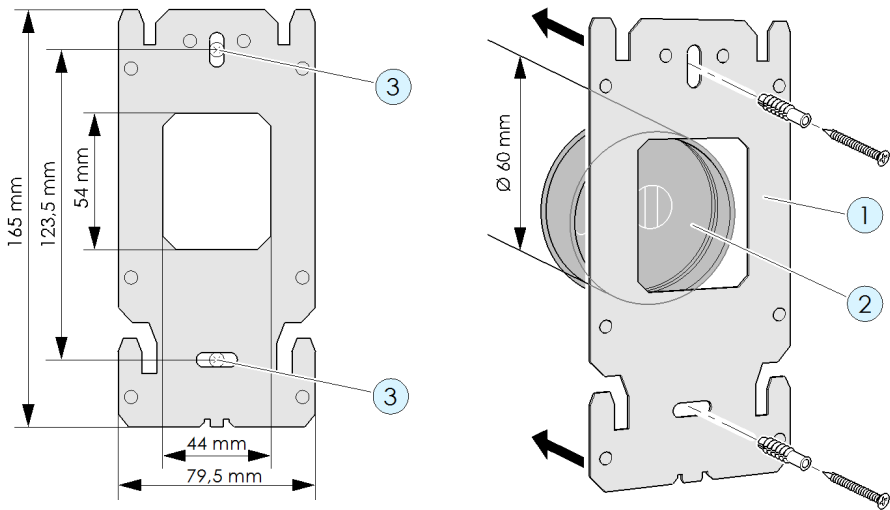
4.5 Installing device

The device is completely surface-mounted with the enclosed mounting plate and fastening material.

The device can be sealed at the top and the side with sealants such as silicone or acryl.

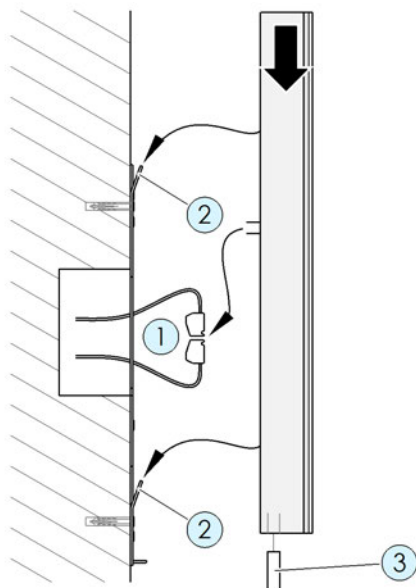
Caution: Incorrect sealing can result in the formation of moisture. This can cause damage to the device. Do not seal the device at the bottom.

4.5.1 Installing mounting plate on the wall



1. Position the mounting plate (1) on a standard in-wall socket (2) or a suitable cavity in the masonry. The recess in the mounting plate must be fitted accurately on the in-wall socket.
2. Ensure that no supply lines, cables or similar are installed in the area of the drilling holes (3).
3. Fasten the mounting plate via the two boreholes (3) onto the wall with screws and dowels.

4.5.2 Installing device on mounting plate



1. Connect the terminals (1) (see chapter Connecting device [► 19]).
2. Insert the terminals (1) back into the device.
3. Place the device diagonally from above onto the mounting plate until the four metal lugs (2) engage in the four fastening holes of the device.
4. Secure the device with the hexagon socket-grub screw (3) on the mounting plate.

Caution: Only tighten the screw lightly because otherwise the thread can be damaged.

4.6 Connecting device

4.6.1 Important notes

- Before connecting the device to the PBX system, switch off all required components (PBX system, device, bell transformer).
- Only use the original wall power supply included in the delivery for current supply to the device.
- When installing the wiring, ensure that the polarity (12 V DC voltage) of the two wires in the terminals is correct.
- Do not insert the wall power supply into the socket until all cables are firmly connected and there is no risk of a short circuit of wire pairs.
- A bell transformer (e.g. 12 V alternating voltage) must not be used as a power supply for the device. This can result in destruction of the device!
- Both integrated relay contacts connect potential-free, i.e. an additional bell transformer is required to activate a door opener. Then connect the bell transformer voltage via the respective relay switching output to the door opener (see chapter Connection example for a door opener and a door bell ► 23]).
- Both switching relays can be loaded to a max. of 24 V AC / DC 1 A. Prior to initial operation of the device, ensure that these values are not exceeded by your door opener, door bell or other devices to be connected. Observe the Operating Instructions of the respective products.

4.6.2 Wiring

Use commercially available telecommunication cables for the installation wiring.

Please note that in order to meet general safety provisions and to avoid interference influences, the low-current telephone lines must be routed separately from power lines.

Observe a minimum distance of 10 cm between both types of lines. If one of the connected lines is routed out-of-doors, you will have to provide sufficient lightning protection.

Lines types that can be used

- Telecommunication indoor cable
 - J-Y(ST)-Y 2 x 2 x 0.6
 - J-Y(ST)-Y 2 x 2 x 0.8
 - J-Y(ST)-Y 4 x 2 x 0.6
 - J-Y(ST)-Y 4 x 2 x 0.8
- Bell sheathed cable
 - YR 4 x 0.8
- Telecommunications cable
 - A-2Y(L)2Y 4 x 2 x 0.8

Maximum cable lengths for connection to the PBX system and to the door opener

Wire diameter		0.8 mm	0.6 mm
Ranges for voice and signal operation		320 m	140 m
Ranges for door opener operation from an external bell transformer to door opener (maximum current consumption 1A alternating voltage)	12 V	38 m	17 m
	16 V	76 m	34 m
	20 V	115 m	51 m
	24 V	177 m	78 m

Connection types

At the analogue connection of the PBX system, three connection types are usually used in Germany:

- Terminals
- RJ 11
- TAE plugs

On modern PBX systems such as the AVM Fritz!Box or Telekom Speedport, the two inner wires of the RJ 11 connection should be used.

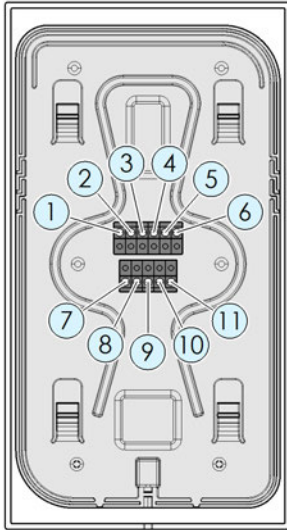
On older PBX systems (before 2005), the two outer wires are also used.

4.6.3 Terminal assignment

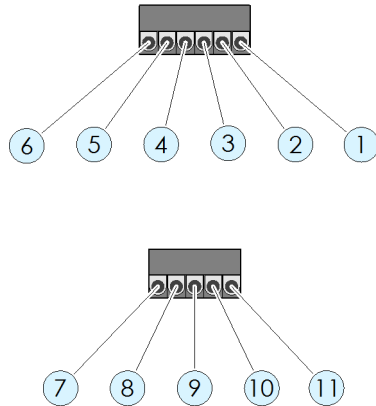
The rear side of the device has two screw-in/terminal plug-in connectors. They can be unplugged for convenient connection of the lines.

Labelling is on the rear side of the casing.

View from the rear

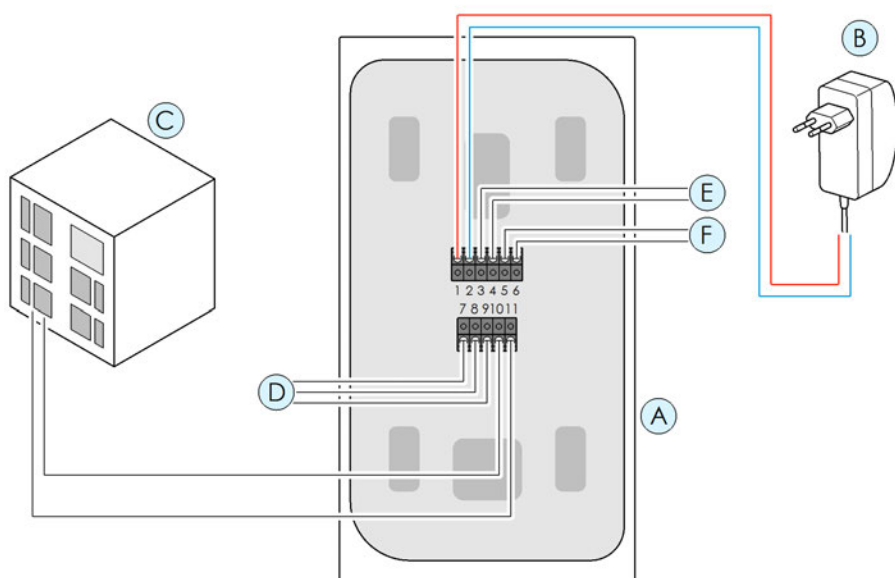


View of terminals



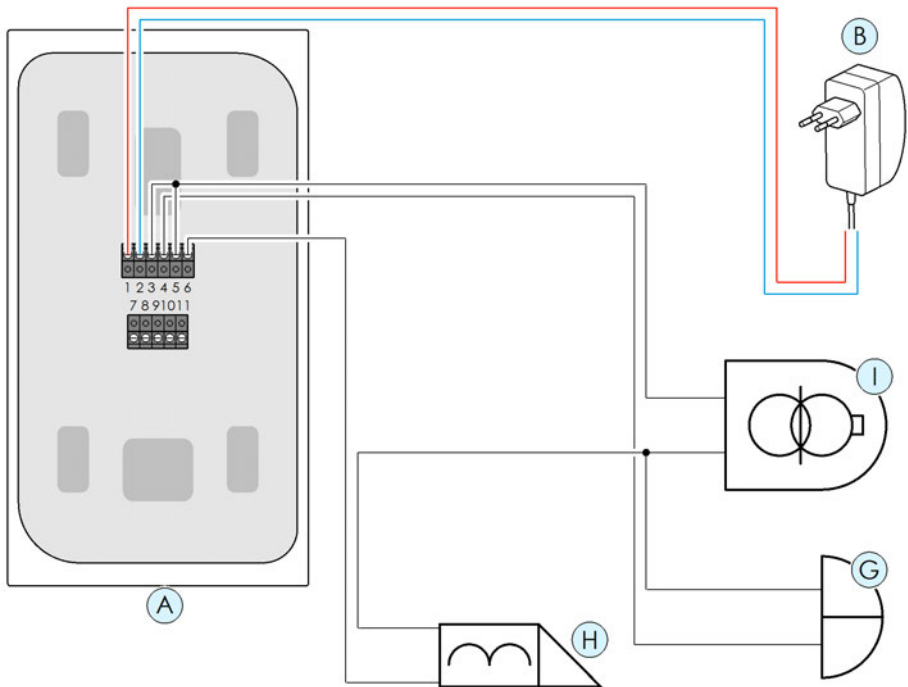
1	Supply voltage +12 V	7	Extension box data
2	Supply voltage GND	8	Extension box -
3	Relay contact 2 potential-free	9	Extension box +
4	Relay contact 2 potential-free	10	Telephone line La (independent of polarity)
5	Relay contact 1 potential-free	11	Telephone line Lb (independent of polarity)
6	Relay contact 1 potential-free		

4.6.4 Wiring diagram



Item	Description
A	Door intercom system (rear side of device)
B	Wall power supply
C	Telephone system
D	Extension box
E	Relay contact 2
F	Relay contact 1

4.6.5 Connection example for a door opener and a door bell



Item	Description
A	Door intercom system (rear side of device)
B	Wall power supply
G	Door bell to relay contact 2
H	Door opener to relay contact 1
I	Bell transformer

4.6.6 Checking connection

How to check whether installation was successful:

1. Apply the voltage supply.
 - ⇒ The door intercom system starts up. The following screen content appears:

DOORLINE PRO
EXCLUSIVE

- ⇒ The frame lighting is active.
2. If the device does not react, disconnect it immediately from the power-supply system. Now check the connection of terminals 1 and 2 to the wall power supply for a wiring fault (e.g. reverse polarity of line).

If installation was successful, start the configuration of the device as described in the following chapters.

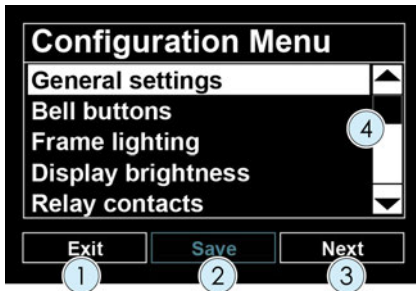
4.7 Before initial configuration

In delivery status, the PIN code for the configuration is "0000". For security reasons, this must be changed prior to the initial configuration at the touch display (see PIN for configuration [► 53]). Configuration via the PC software is not possible prior to this.

5 Configuration via the touch display

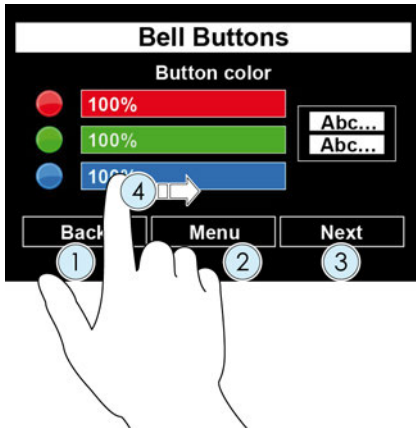
5.1 Navigation in the menus

5.1.1 Configuration main menu



Item	Description
1	Press the "Exit" button to leave the Configuration menu.
2	Press the "Save" button to save all previously made changes. If there are no settings for saving, this button is not active.
3	The "Next" button calls up the respective marked menu or scrolls forward one page within the menu.
4	Scrollbars scroll upwards or down in the menu. Alternatively, the black arrows at the upper and lower end of the scrollbar can also be used for scrolling.

5.1.2 Submenus

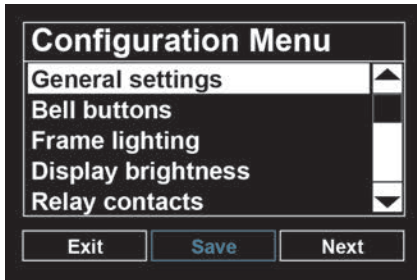


Item	Description
1	The "Back" button scrolls back within a Configuration page. If there are no further pages for scrolling back, the button takes you one menu level upwards.
3	The "Next" button calls up the next Configuration page. If there is no further page, the button remains inactive.
2	The "Menu" button leads one menu level upward. If this button is deactivated, the "Back" button takes you one menu level upwards.
4	If a slider control is displayed, adjust the desired value by pulling with your finger.

Note: Changes that you have made are not saved until you exit the configuration on the topmost level of the Configuration menu (see Configuration main menu [► 25]).

5.1.3 Saving configuration and exiting main menu

Changes that were made are always saved on the topmost level of the Configuration menu.



1. After you have adapted all settings of the door intercom system as desired, save the configuration with the "Save" button.
 - ⇒ The following message appears during the saving process:



- ⇒ If saving is successful, the main menu is displayed again.

or

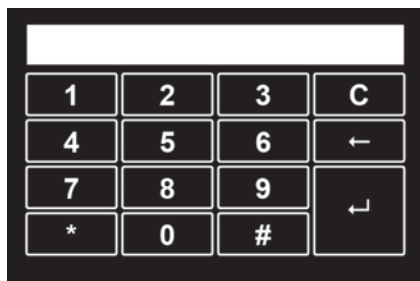
1. Leave the main menu with the "Exit" button.
 - ⇒ If unsaved changes are present, the door intercom system will issue a warning message.



2. Save the changes with "Yes" or discard all changes with "No".
- ⇒ The "Bell pushbuttons" default view appears again.

5.1.4 Use of the display keypad

A screen keypad is displayed at the relevant positions for entering digits or letters.



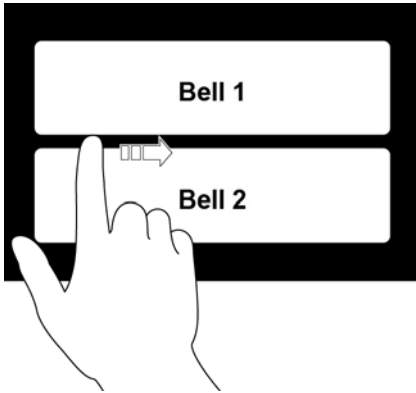
Use these buttons as follows:

C	deletes the existing call number completely
←	only deletes the last digit of the call number
↵	confirms the setting and leads back to the previous menu
abc or ABC	switches between upper and lower case
1	inserts a blank
11	inserts the number "1"
*	inserts the special characters * # () [] To do this, keep pressing this button until the desired character appears.
0	inserts the special characters . , ? ! ` " 0 + - To do this, keep pressing this button until the desired character appears.

With buttons with multiple assignment, keep pressing them until the desired character appears. This also applies to umlauts.

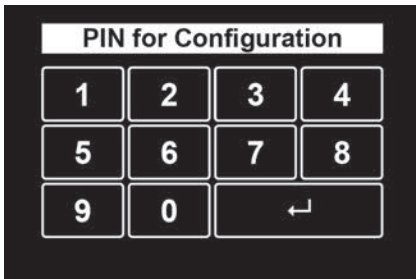
5.2 Entry to the Configuration menu

The bell pushbuttons are displayed in the basic state of the device.



1. To reach the Configuration menu, swipe your finger over the middle of the display from the frame on the left to the right.

⇒ The input mask for the PIN code will then appear.



2. Enter the PIN code and press "↵" to confirm.
The PIN code ex works is "0000".

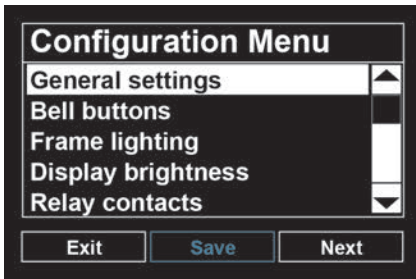
⇒ If no input is made, the system switches back to basic state after 30 seconds.

⇒ To exit PIN input immediately, swipe over the display in reverse direction.

⇒ If you have still not entered an individual PIN code, you will be prompted to do so with the following message. Before doing this, you will not be able to continue with the configuration (also refer to PIN for configuration [► 53]).



⇒ If the PIN has been entered correctly, you will now be in the main menu for the configuration.



Note: If no input is made in the Configuration menu for longer than two minutes, the menu is exited automatically and a switch is made to basic state.

5.3 General settings

Language



Setting the display language.

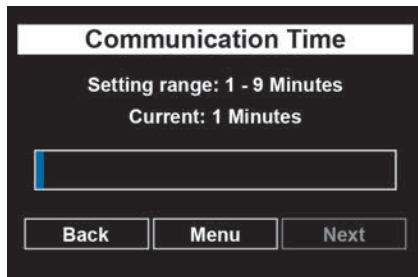
German and English can currently be selected.

1. Touch the flag symbol of the desired language

⇒ The display language will be changed immediately.

1. Press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu.

Call duration



Definition of the call duration for the door intercom system.

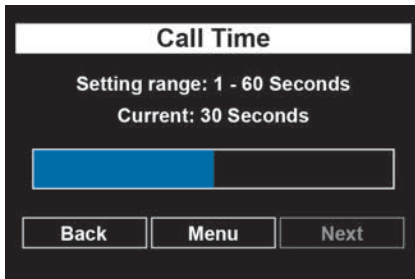
When this time has elapsed, the door conversation is disconnected automatically.

1. Set the desired value with the slider control.
2. Press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu.

Delivery status: one minute

Possible values: 1 to 9 minutes in steps of one minute.

Call duration



Definition of the duration of the door call to the extension line of your PBX system.

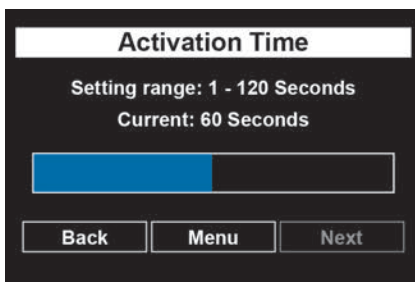
1. Set the desired value with the slider control.
2. Press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu.

Delivery status: 30 seconds

Possible values: 1 to 60 seconds.

Important: The duration of the door call to the extension line can only be set if call forwarding is programmed for a bell pushbutton. If call forwarding is not programmed, the setting of the call duration is ineffective. When a bell pushbutton is actuated, the set time for the call duration starts running immediately.

Activation duration



The activation duration defines how long after detection of a movement by the integrated motion detector the bell pushbuttons remain faded in and the lighting remains activated.

1. Set the desired value with the slider control.
2. Press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu.

Possible values: 1 to 120 seconds

The value 0 results in permanent activation of the device.

Door opener function

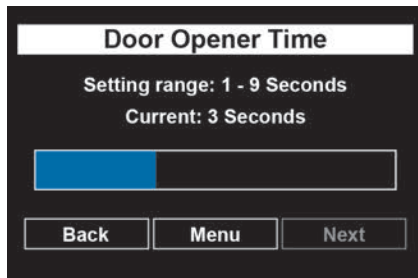


For security reasons to prevent unauthorised opening, the door cannot be opened if the connection was set up from the telephone to the door intercom system. This function can be deactivated if desired.

1. Set the desired selection by touching the respective option.
2. Press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu.

Observe the Notes on the use of an electronic door opener [► 9].

Door opener time

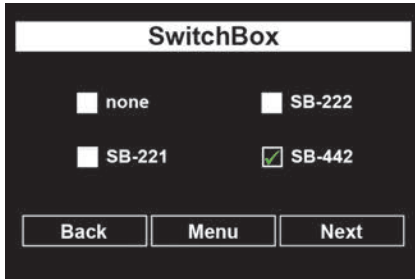


Actuation time of the door opener.

Possible values: 1 to 9 seconds

1. Set the desired value with the slider control.
2. Press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu.

SwitchBox



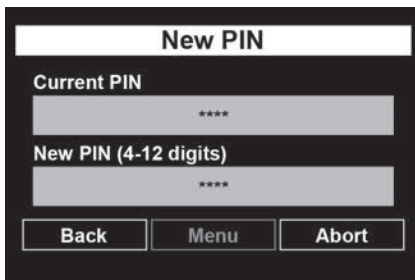
The SwitchBox screen has a title bar labeled "SwitchBox". Below it, there are four options arranged in a 2x2 grid:

- ☐ none
- ☐ SB-222
- ☐ SB-221
- ☒ SB-442

At the bottom, there are three buttons: "Back", "Menu", and "Next".

Selection of the type of SwitchBox (optional) installed on your system. For security reasons, communication between the door intercom system and the SwitchBox is protected by a PIN code. Without the correct PIN code, the SwitchBox has no function. For more information on the connection of the SwitchBox, please refer to the operating instructions of the corresponding box.

1. Select the matching type by touching the corresponding option and press "Next" to confirm.

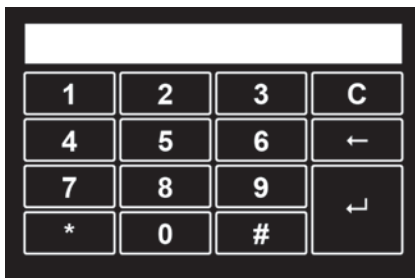


The New PIN screen has a title bar labeled "New PIN". Below it, there are two input fields:

- Current PIN**: A grey input field with four asterisks (****) inside.
- New PIN (4-12 digits)**: A grey input field with four asterisks (****) inside.

At the bottom, there are three buttons: "Back", "Menu", and "Abort".

2. Touch the grey input field under "Current PIN" to display the current PIN. The PIN code ex works is "0000".
 - ⇒ A keypad appears on the touch display (see Use of the display keypad [p. 28]).



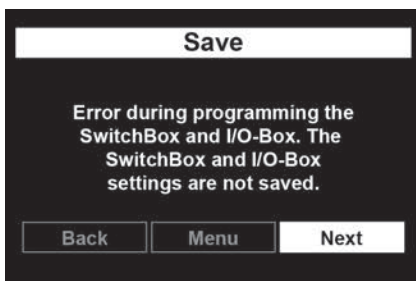
The keypad screen shows a numeric keypad with the following layout:

1	2	3	C
4	5	6	←
7	8	9	↩
*	0	#	

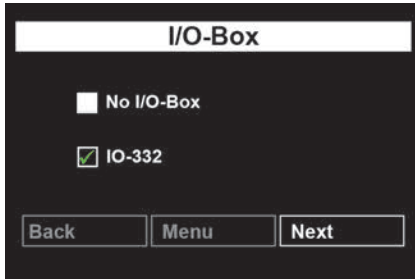
3. Enter the current PIN code and press "↵" to confirm.
4. Touch the grey input field under "New PIN" to enter a new PIN code.
 - ⇒ A keypad appears on the touch display
5. Enter a 4- to 12-digit PIN. "0000" is not accepted for security reasons. The new PIN code must also be entered if it was not changed.
6. To save the new PIN code, press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu. Save the configuration here with the "Save" button.
 - ⇒ If you have entered an incorrect current PIN code, or selected a Switch-Box other than the connected one, or connected the SwitchBox incorrectly, the following fault message appears:



- ⇒ If you have connected a SwitchBox and an I/O Box and made incorrect input for both or made an incorrect connection, the following fault message appears:



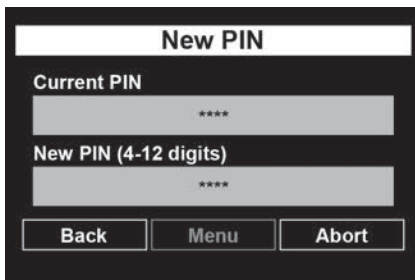
I/O Box



The screen displays the title "I/O-Box" at the top. Below it, there are two options: "No I/O-Box" with an unchecked checkbox and "IO-332" with a checked checkbox. At the bottom, there are three buttons: "Back", "Menu", and "Next".

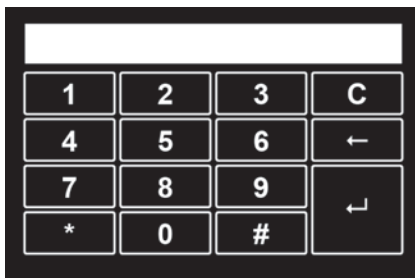
Selection of the type of I/O Box (optional) installed on your system. For security reasons, communication between the door intercom system and the I/O Box is protected by a PIN code. Without the correct PIN code, the I/O Box has no function. For more information on the connection of the I/O Box, please refer to the operating instructions of the corresponding box.

1. Select the matching type by touching the corresponding option and press "Next" to confirm.



The screen displays the title "New PIN" at the top. Below it, there are two input fields: "Current PIN" and "New PIN (4-12 digits)". Both fields are currently empty and show four asterisks (****) as a placeholder. At the bottom, there are three buttons: "Back", "Menu", and "Abort".

2. Touch the grey input field under "Current PIN" to display the current PIN. The PIN code ex works is "0000".
 - ⇒ A keypad appears on the touch display (see Use of the display keypad [p. 28]).



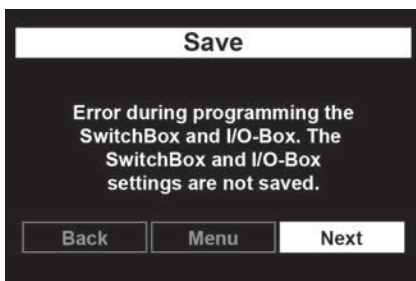
The keypad is a 4x4 grid of buttons. The first three rows contain digits 1-9, and the fourth row contains *, 0, #, and a back arrow. The rightmost column contains a 'C' (clear) button, a left arrow, and a return/enter button.

1	2	3	C
4	5	6	←
7	8	9	↵
*	0	#	

3. Enter the current PIN code and press "↵" to confirm.
4. Touch the grey input field under "New PIN" to enter a new PIN code.
 - ⇒ A keypad appears on the touch display
5. Enter a 4- to 12-digit PIN. "0000" is not accepted for security reasons. The new PIN code must also be entered if it was not changed.
6. To save the new PIN code, press the "Back" button to leave the menu or press the "Menu" button to switch to the main menu. Save the configuration here with the "Save" button.
 - ⇒ If you have entered an incorrect current PIN code, or selected an I/O-Box other than the connected one, or connected the I/O Box, the following fault message appears:



- ⇒ If you have connected a SwitchBox and an I/O Box and made incorrect input for both or made an incorrect connection, the following fault message appears:



5.4 Bell pushbuttons

In the "Bell pushbuttons" menu, you can make the following basic settings for the bell pushbuttons.

- Number of bell pushbuttons
- Call number assignment of the bell pushbuttons
- Lettering of the bell pushbuttons
- Colour of the bell pushbuttons
- Background colour of the bell pushbuttons
- Ring tone at loudspeaker of door intercom system

You will be guided by a wizard through all necessary configuration pages. Please keep a list of the call numbers ready in advance that are to be called when a bell pushbutton is pressed.



Ensure that the colour contrast between the button colour and the lettering colour is high enough (light-coloured background, black foreground) that the lettering is easily legible.



Call groups:

Depending on the telephone system you are using, several telephones can also be called with a single button if you set up one or several call groups in your telephone system.

If a call group is used, the group call number defined in the telephone system is entered in the door intercom system. When this group call number is selected, all end devices that are assigned to this call group ring.

Collective call:

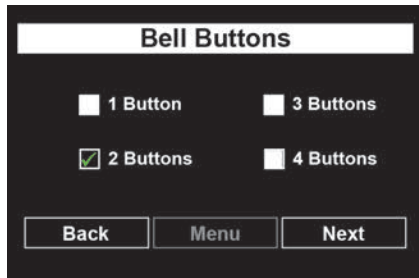
Alternatively, many telephone systems also support a "collective call". With a collective call, however, all end devices connected to a telephone system are called. A restriction to individual telephones is not possible in this case.

Please refer to the respective operating instructions to determine whether your telephone system supports the collective or group call function.

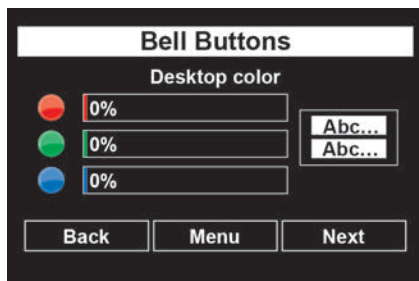
Configuring bell pushbutton

1. In the Configuration menu, select the item "Bell pushbuttons".

⇒ The following view appears:



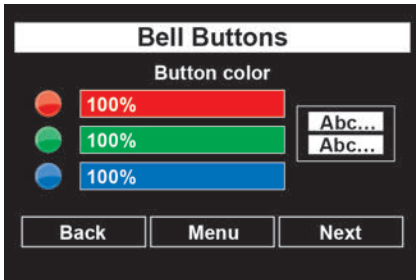
2. Select how many bell pushbuttons are to be shown on the display and press "Next" to confirm.



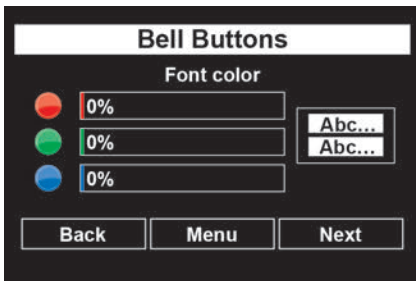
3. Select the background colour of the "Bell pushbutton" default view. To do this, drag the colour slider control into the desired position.

⇒ A preview of the settings is shown on the right side of the touch display.

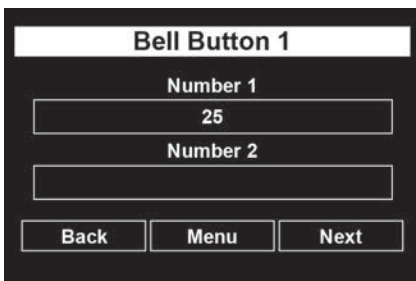
4. Press "Next" to confirm your settings.



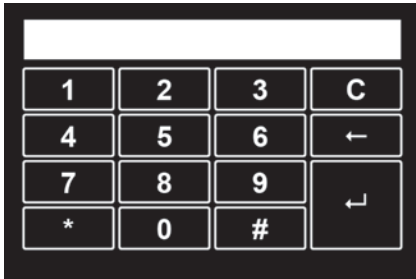
5. Set the colour of the bell pushbutton with the colour slider control.
⇒ A preview of the settings is shown on the right side of the touch display.
6. Press "Next" to confirm your settings.



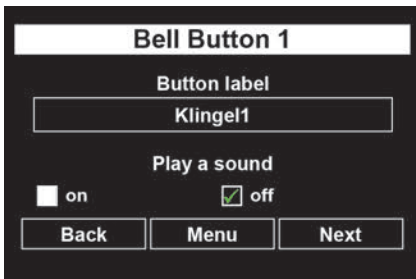
7. Set the colour of the of the bell pushbutton lettering with the colour slider control.
⇒ A preview of the settings is shown on the right side of the touch display
8. Press "Next" to confirm your settings.



9. Touch the grey field under "Call number 1" to enter the main call number.
 ⇒ A keypad appears on the touch display.



10. Enter the main call number that is to be assigned to the bell pushbutton 1 (see Use of the display keypad [► 28]).
11. Press "↵" to confirm the settings.
 ⇒ This takes you back to the previous menu.
12. If you wish to create call forwarding for this bell pushbutton, touch the grey field under "Call number 2" and enter the call number via the display keypad to which the discussion is to be redirected in case of call forwarding.
13. After you have entered the call numbers, press "Next" to confirm.



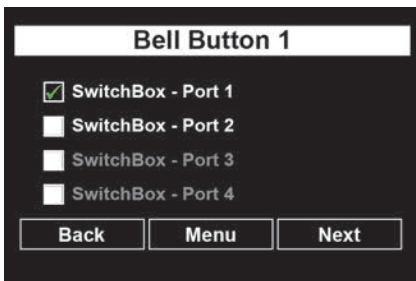
14. To provide visitors with feedback after actuation of a bell pushbutton, set "Ring tone with button actuation" to "on". Every time a button is actuated, the door intercom system now plays an information tone via the loudspeaker.
15. Touch the grey field under "Button lettering" to enter the lettering for the bell pushbutton.
 ⇒ A keypad appears on the touch display.



16. Enter the lettering for the bell pushbutton (see Use of the display keypad [► 28]).

17. Press "↵" to confirm your input.

- ⇒ If you have selected a SwitchBox installed in your system under "General settings" – "SwitchBox", the Configuration menu for the SwitchBox now appears. Depending on the type used, you can reach up to 4 users (residential units with different telephone systems) via the SwitchBox.

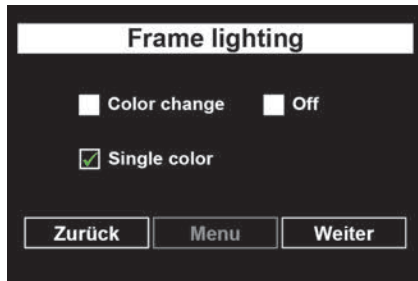


18. Now select the user who is to be reached with the bell pushbutton via the SwitchBox.

- ⇒ Programming for the first bell pushbutton is now complete.
- ⇒ If you have selected more than one bell pushbutton at the start of the bell pushbutton configuration, the assignment of the call numbers now takes place with the lettering of these bell pushbuttons. Proceed in the same manner as with the first bell pushbutton.

5.5 Frame lighting

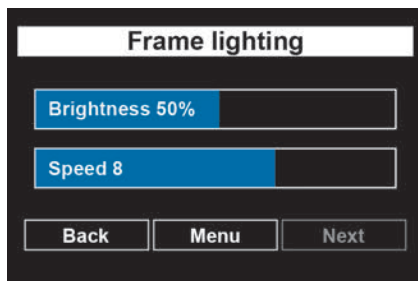
The lighting of the frame of the door intercom system can be set in three different ways:



Colour change

In "Colour change" mode, the possible colours are presented one after the other.

1. Select "Colour change" and confirm with "Next" to adapt the brightness and speed of the frame lighting.

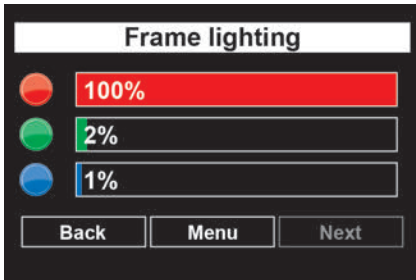


2. Set the desired values by dragging the slider control.
3. Exit the menu with the "Menu" button.

Monocolour

In "Monocolour" mode, the frame colour can be adapted individually.

1. Select "Monocolour" and confirm with "Next" to set the colour of the frame lighting.



2. Set the desired values by dragging the slider control.
3. Exit the menu with the "Menu" button.

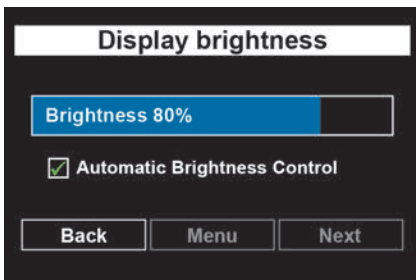
Off

In "Off" mode, the frame lighting is deactivated.

5.6 Display brightness

The background lighting of the display can be adapted via the "Display brightness" menu.

If automatic brightness control is activated, the door intercom system selects the optimum brightness depending on ambient light. The maximum possible brightness is set via the slider control.



1. Set the desired values by dragging the slider control.
2. Select "Automatic brightness control" if the brightness of the display lighting is to adapt to the ambient brightness.
3. Exit the menu with the "Back" button.

5.7 Configuring relay contacts

The basic configuration of the door intercom system offers you two potential-free relay contacts that can be used in a wide variety of ways. Additional relay contacts provide you with the optional SwitchBoxes and the optional I/O Box.

Important: With the use of a SwitchBox SB221, no other extension boxes can be connected to the door intercom system!

Application options

Bell pushbuttons	All relay contacts can be assigned bell pushbuttons, for example, for additional activation of a normal door gong during a ringing operation. It is also conceivable here to activate a light or to cut in another device (important: observe max. breaking capacity of the switching relay; it may be necessary to use a power relay).
Motion detectors	Relay contact is activated when the door intercom system detects a movement via the motion detector.
Redial	<p>In order to perform other switching functions with the door intercom system, an option is also provided for remote control of the switching relays via redialling commands from a telephone. This function is helpful for remote switching of a very wide variety of devices in the building. The relay contacts can be switched via a call to the door intercom system and redialling of the following digits:</p> <ul style="list-style-type: none"> #1 = relay contact 1 #2 = relay contact 2 #3 = relay contact 1 SwitchBox (optional) #4 = relay contact 2 SwitchBox (optional) #5 = relay contact 3 SwitchBox (optional) #6 = relay contact 1 I/O Box (optional) #7 = relay contact 2 I/O Box (optional) #8 = relay contact 3 I/O Box (optional)
Door opener	The relay contact switches with redialling digits #9. In the ex-works setting of the door intercom system, the contact can only be switched if the call is made from the door intercom system (see chapter Opening a door [► 98]).

Configuration of the relay contacts

1. In the Configuration menu, select the item "Relay contacts".

⇒ The following view appears:



2. Select the desired usage for relay contact 1.
3. If you assigned contact 1 to a motion detector, you can activate a light sensor. With the light sensor activated, the relay contact is only activated if the surrounding area is dark.
4. If you assigned contact 1 to a bell pushbutton, then actuate the "Button selection" button.



5. Define which bell pushbutton activates contact 1. Only activated bell push-buttons can be selected.
6. Press "OK" to confirm

⇒ This takes you back to the "Contact 1" menu.
7. Press "Next" to confirm.

⇒ This takes you to the Configuration menu for "Contact 2".
8. For "Contact 2", process in the same manner as for "Contact 1".

⇒ If no SwitchBox and no I/O Box are connected, the configuration of the relay contacts is now complete. Press the "Menu" button to return to the main menu.

- ⇒ If you have connected an optional SwitchBox and logged it in, actuation of the "Next" button takes you to the next menu.

SwitchBox contacts 1

☐ Bell buttons **Button selection**

☐ Motion detector ☐ Light sensor

☒ Phone

☐ Door opener

Back Menu Next

9. Proceed in the same manner as for "Contact 1" for "SwitchBox contact 1", "SwitchBox contact 2" and "SwitchBox contact 3".
- ⇒ If no I/O Box is connected, the configuration of the relay contacts is now complete. Press the "Menu" button to return to the main menu.
- ⇒ If you have connected an optional I/O-Box and logged in it, actuation of the "Next" button takes you to the next menu.

I/O-Box contacts 1

☒ Bell buttons **Button selection**

☐ Motion detector ☐ Light sensor

☐ Phone

☐ Door opener

Back Menu Next

10. Proceed in the same manner as for "Contact 1" for "I/O Box contact 1", "I/O Box contact 2" and "I/O Box contact 3".

5.8 Access control

You can use the door intercom system for keyless door opening by means of a number code (see chapter Using access control [► 99]).

In order to use the access control, at least one relay contact must be configured as a door opener!

1. In the Configuration menu, select the item "Access control".

⇒ The following view appears:

2. Activate or deactivate the access control by touching "on" or "off".
3. Touch the grey input field under "New PIN" to enter a PIN code.

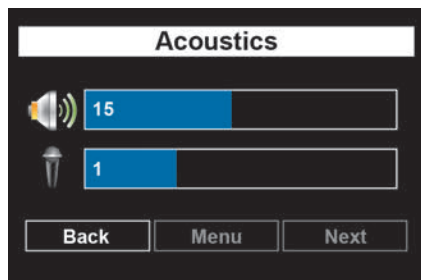
⇒ A keypad appears on the touch display.

4. Enter a 4- to 12-digit PIN, with which the door is subsequently opened (see Use of the display keypad [► 28]).
⇒ For security reasons, the entered PIN is not displayed in the white control field as a number but only as "****".
5. Press "↵" to confirm your input.

Important: A PIN is provided for access control and a further PIN number for the configuration of the door intercom system!

5.9 Acoustics

Make the audio settings of the door intercom system in the "Acoustics" menu. The loudspeaker can be adjusted in 32 levels; the microphone sensitivity in 4 levels.

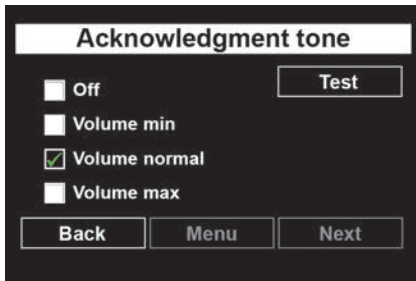


1. Set the desired value for the loudspeaker volume with the upper slider control.
2. Set the desired value for the microphone sensitivity with the lower slider control.
3. Exit the menu with the "Back" button.

Important: If the setting for the microphone sensitivity or loudspeaker volume is too high, this can result in acoustic feedback in the form of unpleasant whistling sounds. In this case, reduce the volume of the loudspeaker and the sensitivity of the microphone until the acoustic feedback has disappeared. Before making the volume setting, always carry out automatic calibration to the telephone system (see chapter Automatic adjustment to the PBX system [► 91]).

5.10 Acknowledgement tone

Acknowledgement tone



Setting of the volume of the acknowledgement tone that is played on the door intercom system.

1. Select the desired volume by touching the respective option.
2. Check your settings with the "Test" button.
3. Exit the menu with the "Menu" button.

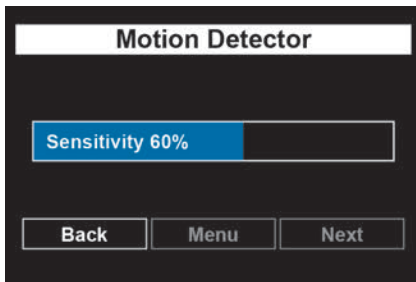
5.11 Motion detectors

In the "Motion detector" menu, set the sensitivity of the motion detector that is integrated in the door intercom system.

The setting from 10 - 100 % corresponds to an approximate range of 2 - 4 metres distance, depending on the environment, shading or external influences.

The motion detector activates the door intercom system as soon as a movement from the front is registered. The door intercom system remains active for the time that was set in the "Activation duration" menu.

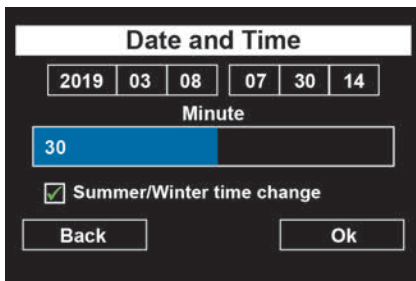
A relay contact can also be assigned to the motion detector, for example, in order to activate lighting or a camera.



1. Set the desired value by dragging the slider control.
2. Exit the menu with the "Back" button.

5.12 Date / time

In order to support day- or time-dependent functions, set the current date and time in the "Date / time" menu.

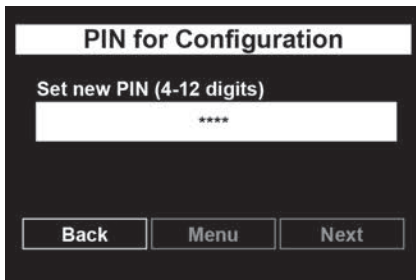


1. Select the parameters to be set by touching them in the topmost line (Year / Month / Day or Hour / Minutes / Seconds).
 - ⇒ The selected parameter is displayed above the slider control.
2. Set the desired value by dragging the slider control.
 - ⇒ The selected value is displayed on the slider control. Furthermore, the parameter in the topmost line displays the currently set value.
3. Press "OK " to confirm your settings.

5.13 PIN for configuration

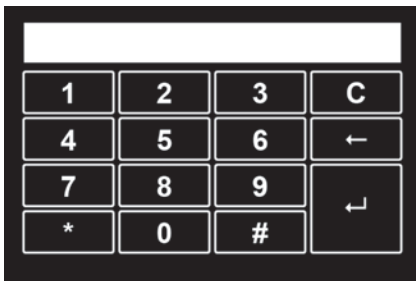
To protect the settings of your door intercom system against unauthorised access, you have to enter a separate PIN. In delivery status, the PIN is set at "0000".

If the PIN of your device is no longer set at "0000" (delivery state) and you no longer know the changed PIN, then use the emergency PIN to reset the PIN for the configuration (see chapter Emergency PIN [► 13]).



1. To define an access code (PIN), touch the grey input field below "Define new PIN".

⇒ A keypad appears on the touch display.



2. Enter a 4- to 12-digit PIN, with which you can subsequently reach the Configuration menu (see Use of the display keypad [► 28]). "0000" is not accepted for security reasons.
3. Press "↵" to confirm your input.
 - ⇒ For security reasons, the entered PIN is not displayed in the white control field as a number but only as "****".

5.14 Factory settings

If you are no longer satisfied with the settings of your door intercom system or you have made a mistake during the configuration, you can restore the delivery state of your door intercom system via the "Factory settings" menu.

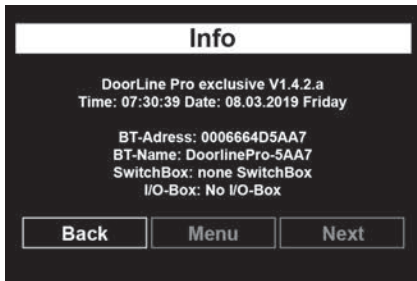


1. Start the recovery of the factory settings with the "Yes" button.
Press the "No" button to exit the "Factory settings" again. You are now back in the main menu.
 - ⇒ The restoration of the delivery state now starts immediately and without further prompting.



- ⇒ After the factory setting has been restored, the door intercom system restarts.

5.15 Info



The Info menu (illustration is an example), shows you the following information on your door intercom system:

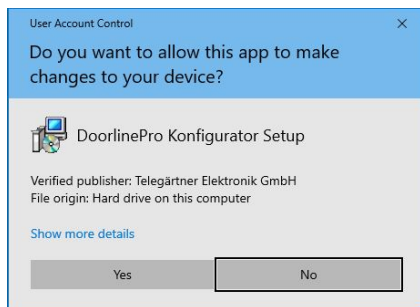
- Type designation
- Software version
- Date
- Time
- Bluetooth address
- Bluetooth name

The information shown here can be useful when making contact with Customer Support of Telegärtner Elektronik GmbH or during configuration via the PC software.

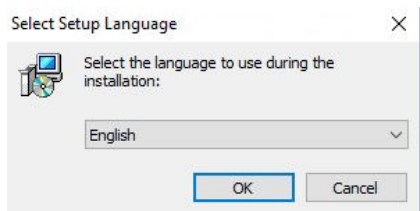
6 Configuration via the PC software

6.1 Installing PC software

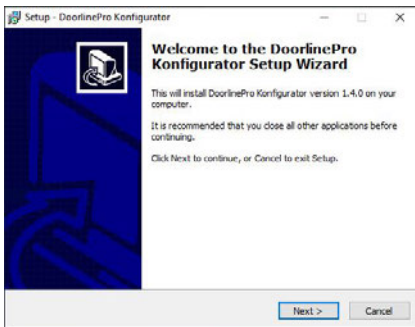
1. Under <http://tegae.de/konfigurator>, download the current version of the software and save the file on your PC under the name <<dp100setup.exe>>.
2. Start the installation procedure by double-clicking on the file <<dp100setup.exe>>.
⇒ The following warning message is issued:



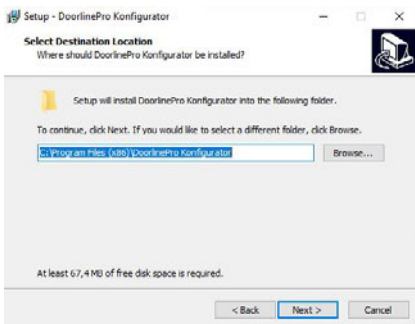
3. Confirm the message with "Yes".
4. Now follow the instructions of the installation software.



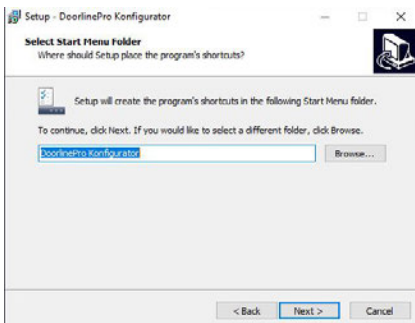
5. Select the language and press "Next" to confirm.



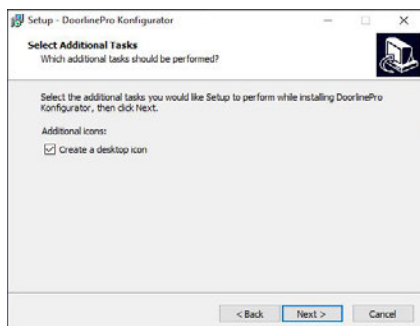
6. Press "Next" to continue.



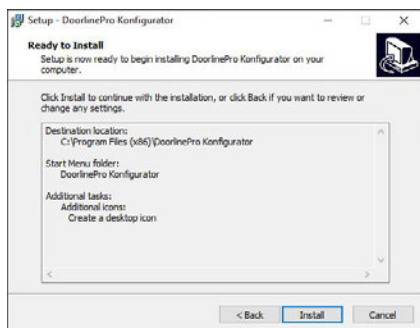
7. Select the target folder for the installation and press "Next" to continue.



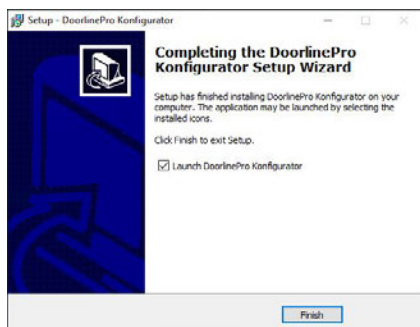
8. Select the start menu folder for the program link and press "Next" to continue.



9. Press "Next!" to confirm.



10. Check your settings and press "Next!" to confirm.



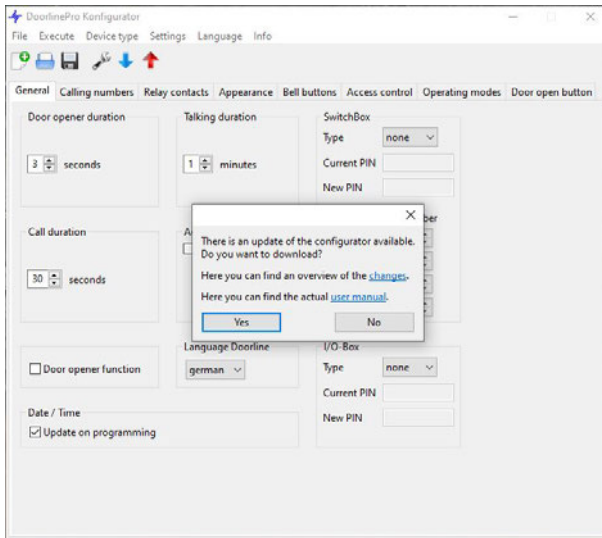
11. End the installation procedure with "Finish".

⇒ After completion of the installation procedure, the configuration software of the device is started.

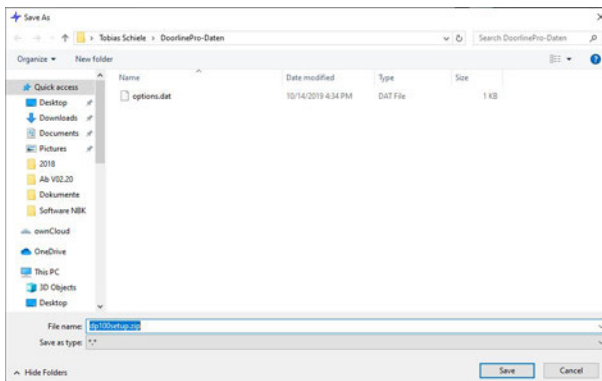
6.2 Updating PC software

To ensure that the latest version of the PC configurator is always used, activate the option "Check for updates" in the "Settings" menu of the PC software.

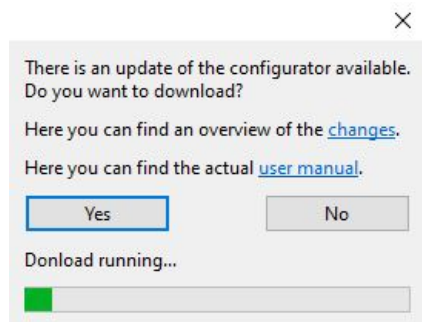
After the PC software has started, an automatic check determines whether a newer version is available. If a newer version is available, the following screen mask appears:



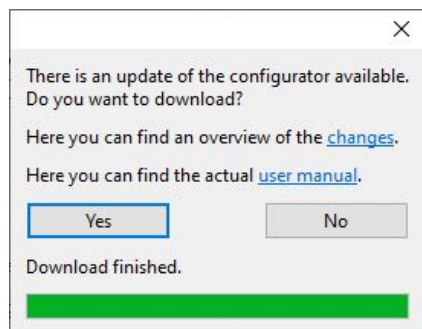
1. Press "Yes" to confirm if you wish to download and install the current version.



2. Select the storage location for the installation program and press "Save" to confirm.
⇒ The download procedure is now started.



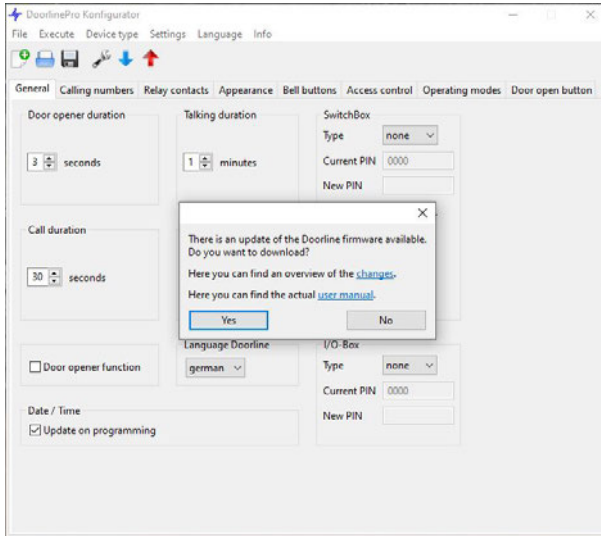
3. After completion of the download procedure, the following message is issued:



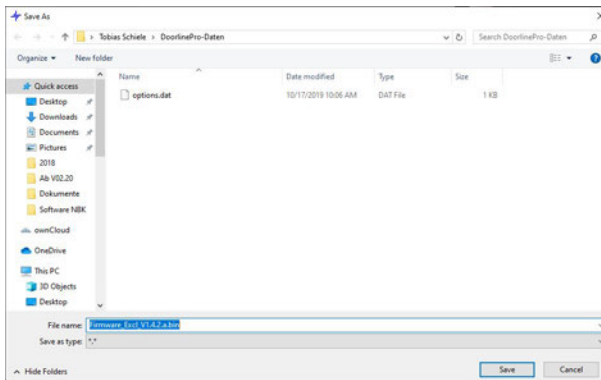
4. Close the window with the "x" symbol in the top right of the window.
5. End the PC software.
6. Unpack the downloaded "Zip" file (double-click on the file).
7. Install the software as described in the chapter "Installing PC software [► 56]" by executing the file <<dp100setup.exe>> contained in the Zip file.

6.3 Updating firmware

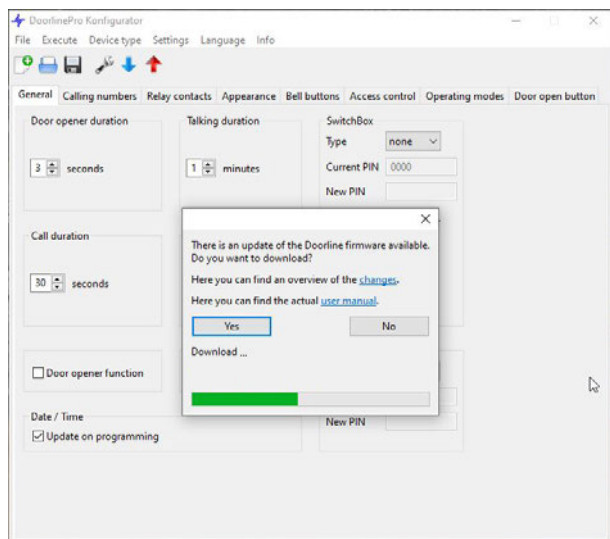
After the door intercom system is read out for the first time, an automatic check determines whether a newer version of the device firmware is available. If a newer version is available, the following screen mask appears:



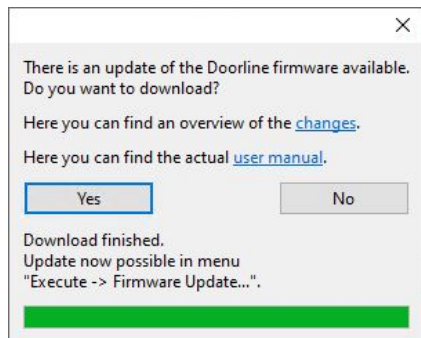
1. Press "Yes" to confirm if you wish to download and install the current version.



2. Save the update file in the suggested folder.
⇒ The download procedure is now started.



3. After completion of the download procedure, the following message is issued:



4. Close the window via the "x" symbol in the top right of the window.
5. Save the current configuration of your door intercom system (see Saving configuration [► 68]).
6. Import the downloaded file to your door intercom system via the menu "Execute" "Firmware Update".

6.4 Configuring PC software

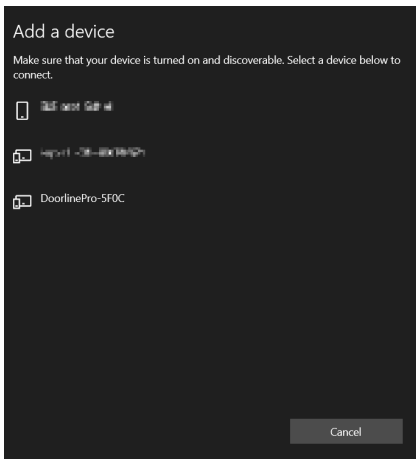
Before a configuration can be adapted via the PC software, you have to import the current version of the configuration from the door intercom system into the PC software (see chapter Reading out configuration [► 65])

After you have adapted the configuration via the PC software, transfer it to the door intercom system (see chapter Saving configuration [► 68]).

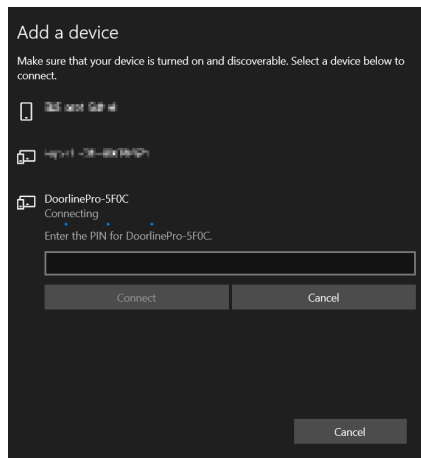
6.4.1 Manual coupling via Bluetooth

If problems occur when reading out or saving the configuration, couple your door intercom system manually with your PC.

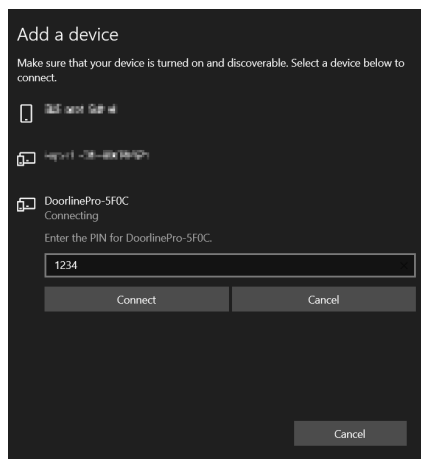
Proceed as follows to couple the door intercom system with your PC:



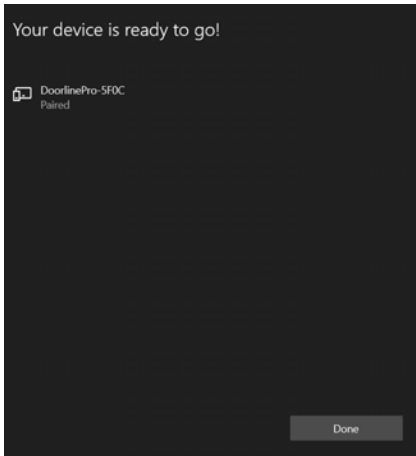
1. Open the Bluetooth settings of your PC and start the search for devices.



2. Select the desired door intercom system (see Bluetooth name in chapter Info [► 55]).



3. Enter the Bluetooth PIN "1234" and click on "Connect".



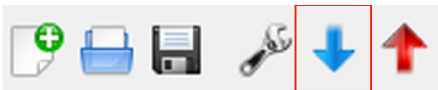
⇒ The device has been successfully added.

6.4.2 Reading out configuration

When you read out the configuration for the first time, you require the Bluetooth address of your door intercom system. You can find this on your emergency PIN card or in the Info menu of your door intercom system (see chapter Info [► 55]).

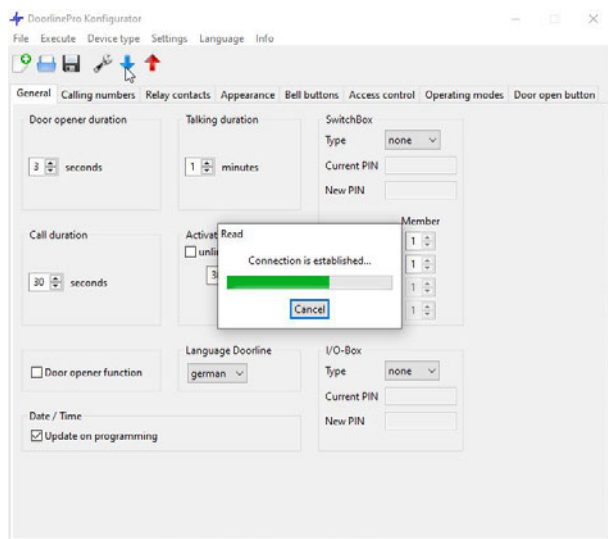
Proceed as follows to read out a configuration saved in the door intercom system:

1. Click in the menu bar of the PC configurator on "Device type" and select which model variant you wish to adapt.
2. Ensure that your door intercom system displays the default view "Bell push-buttons". If a menu is active on the door intercom system, transfer to the PC configurator is blocked.

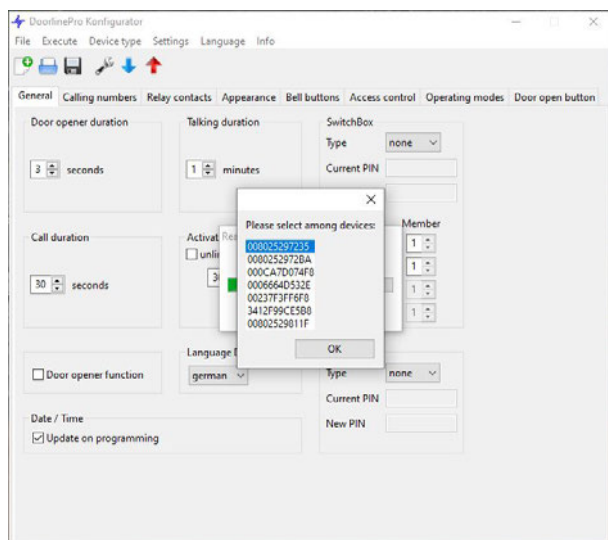


3. In the PC configurator, click on the "Read out" button.

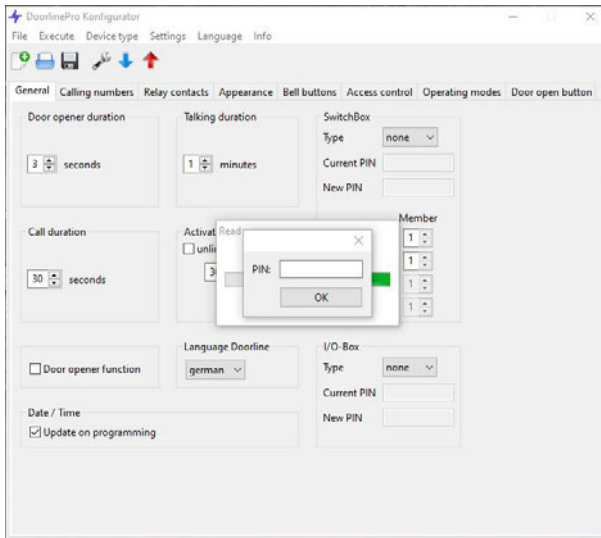
⇒ The following mask then appears:



- ⇒ The configurator now searches through all Bluetooth devices in the environment. This procedure can take up to 2 minutes depending on how many Bluetooth devices there are in the range of the PC.
- ⇒ When you call up the configuration for the first time, the following screen mask appears:

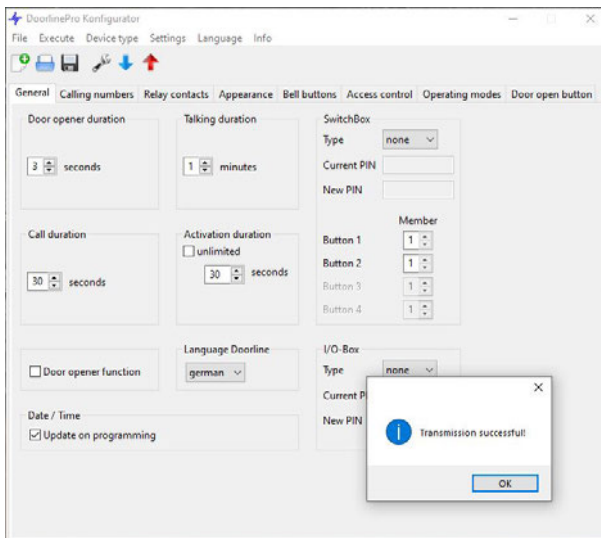


4. Select the Bluetooth address of the desired door intercom system.



5. Now enter your PIN (input required only once per session).

⇒ After the import is complete, the following screen mask appears:



- ⇒ The read-out configuration can now be processed or saved to back up the data.
- ⇒ After the door intercom system is read out for the first time, an automatic check determines whether a newer version of the device firmware is available (see Updating firmware [► 61]).



We recommend that you always back up a created configuration of the door intercom system via the "Read out and save function" of the PC configurator irrespective of whether this was created via the touch display, the telephone or via the PC configurator. A created configuration can thus be installed at any time back into the door intercom system.

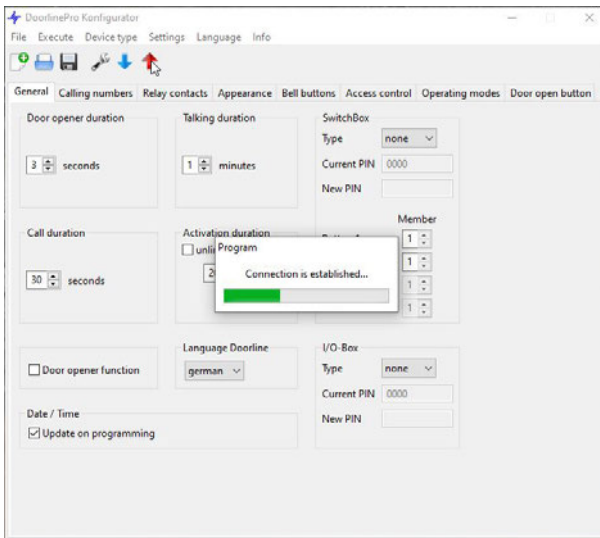
6.4.3 Saving configuration

After you have adapted all settings for the door intercom system as desired, the configuration must still be transferred to the door intercom system.

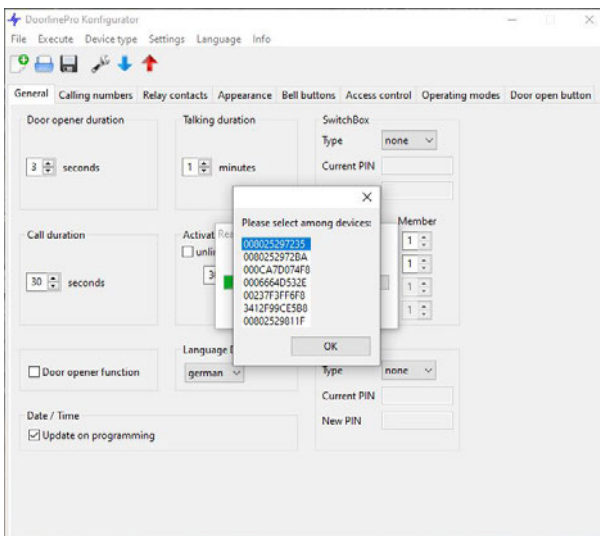
1. Ensure that your door intercom system displays the default view "Bell push-buttons". If a menu is active on the door intercom system, transfer from the PC configurator to the door intercom system is blocked.



2. In the PC configurator, click on the "Program" button.
 - ⇒ The following mask then appears:



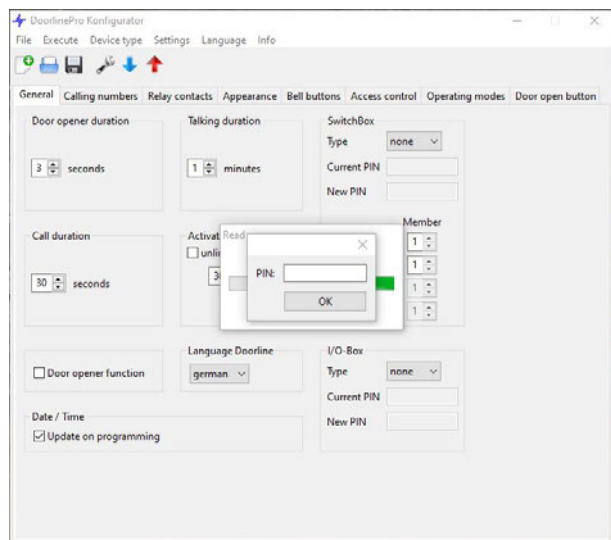
- ⇒ The PC configurator now searches for all Bluetooth devices in the environment. This procedure can take up to 2 minutes depending on how many Bluetooth devices there are in the range of the PC.
- ⇒ If several door intercom systems are found in the environment, the following screen mask appears:



3. Select the door intercom system to which the configuration is to be transferred.

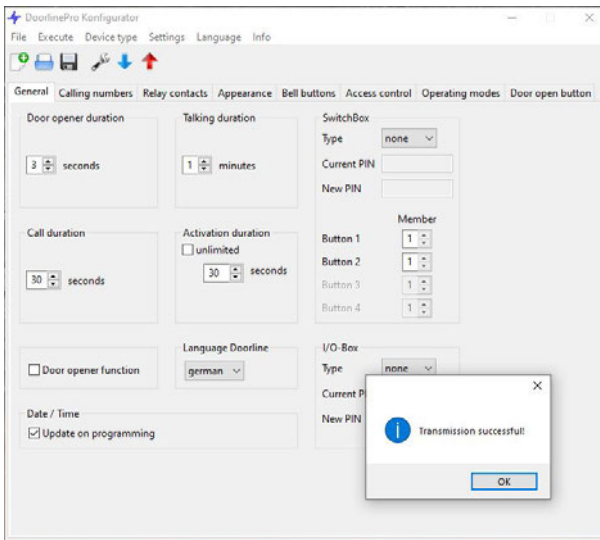
Note: the indicated device name can be displayed via the touch display of the door intercom system under the menu item "Info" (see chapter Info [► 55]).

- ⇒ If the correct door intercom system was selected, the following screen mask appears:



4. Now enter your PIN (input required only once per session).

- ⇒ After a successful transfer of the configuration to the door intercom system, the following screen mask appears:



⇒ The touch display of the door intercom system signals that the configuration is saved.

Your door intercom system is not fully set up.

6.4.4 Creating a backup copy

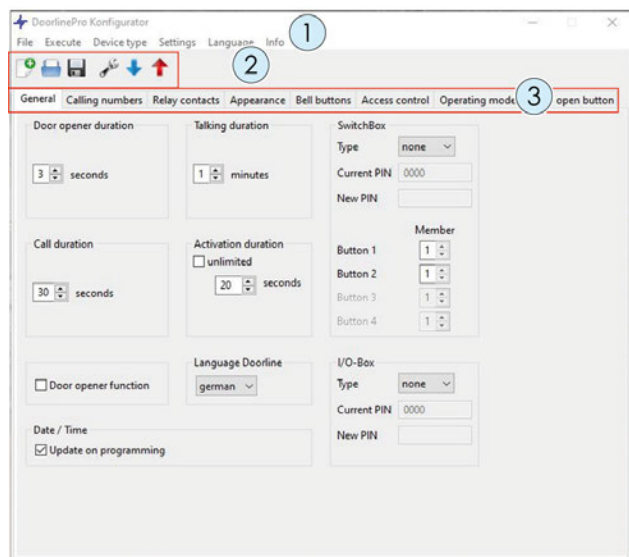
Back up the configuration you have made by saving it on the PC via the menu "File – Saver" (see chapter Overview of the user interface [► 72]).

A configuration backed up in this manner can be restored at any time via the menu "File – Open".

6.4.5 Information on the entry of call numbers

Input	Effect
*	Does not result in the selection of this character but rather a dialling pause of one second
**	Results in one-time dialling of a "*" character If you reach your desired telephone via the call number "**1", you have to enter "****1" in the call number input of the Door-Line
#	The DoorLine generates a flash pulse of 100 ms
##	Results in one-time dialling of a "#" character

6.4.6 Overview of the user interface









Menu bar (1)

File	New	Starts a new configuration.
	Open	Opens a saved configuration.
	Save	Saves a configuration on the PC.
	Exit	Ends the software.

Execute	Delivery state	Restores the delivery state of the door intercom system.
	Read out	Reads out the current configuration of a door intercom system.
	Program	Saves the executed configuration into a door intercom system.
	Change PIN	Changes the PIN for the configuration of the door intercom system. Enter the old PIN and enter the new PIN in the next line. Click on "OK" to save the new PIN.
	Firmware update	Loads a new firmware into your door intercom system (see Updating firmware [► 61]).
Device type	Here, you select which model version you wish to adapt.	
Settings	Check for updates	Checks during program start whether a new version of the configuration software is available (see Updating PC software [► 59]).
Info	Firmware version	Displays the current firmware of the door intercom system.
	Info	Displays the installed version of the configuration software.

Icons (2)

	New	Starts a new configuration.
	Open	Opens a saved configuration.
	Save	Saves a configuration on the PC.
	Factory settings	Restores the delivery state of the door intercom system.

	Read out	Reads out the current configuration of a door intercom system.
	Program	Saves the settings made in the PC configurator in the door intercom system.

Tab pages (3)

The settings for the configuration are made in the tab pages.

Preview window (4)

In this window, you can check the subsequent optics of the door intercom system. Changes made that relate to the appearance of the door intercom system are displayed here immediately.

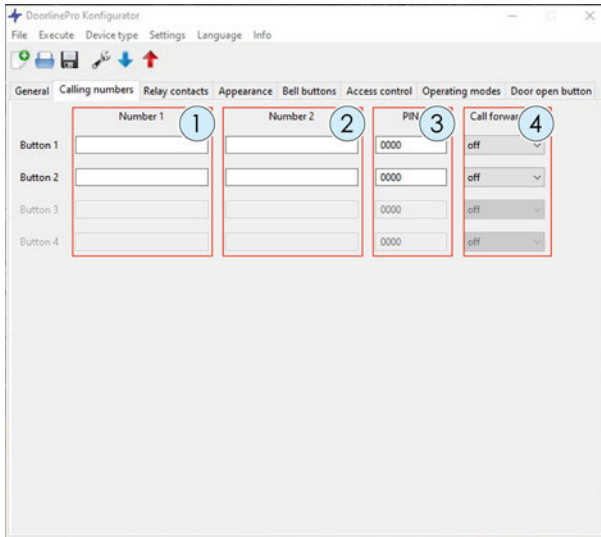
6.4.7 "General" tab page

Item	Function	Description
1	Door opener time	Actuation time of the door opener that you trigger with button #9 on the telephone. Possible values: 1 to 9 seconds.

Item	Function	Description
2	Call duration	<p>Definition of the call duration for the door. When this time has elapsed, the door conversation is disconnected automatically.</p> <p>Possible values: 1 to 9 minutes</p>
3	SwitchBox	<p>Selection of the type of SwitchBox (optional) installed in your system and the associated PIN code.</p> <p>For security reasons, communication between the door intercom system and the SwitchBox is protected by a PIN code. Without the correct PIN code, the SwitchBox has no function.</p> <p>The current PIN code and a new PIN code must always be entered even if the new PIN code is identical to the current PIN code.</p> <p>Furthermore, the assignment between bell pushbutton and telephone system (user) can also be defined here.</p>
4	I/O Box	<p>Selection of the type of I/O Box (optional) installed in your system and the associated PIN code.</p> <p>For security reasons, communication between the door intercom system and the I/O Box is protected by a PIN code. Without the correct PIN code, the I/O Box has no function.</p> <p>The current PIN code and a new PIN code must always be entered even if the new PIN code is identical to the current PIN code.</p>
5	Door call duration	<p>Setting of the duration of the door call to the extension line of your PBX system.</p> <p>Important: The duration of the door call to the extension line can only be set if call forwarding is programmed for a bell pushbutton. If call forwarding is not programmed, the setting of the call duration is ineffective. When a bell pushbutton is actuated, the set time for the call duration starts running immediately.</p> <p>Possible values: 1 to 60 seconds. Delivery status: 30 seconds.</p>

Item	Function	Description
6	Activation duration	<p>The activation duration defines how long after detection of a movement by the integrated motion detector the bell pushbuttons remain faded in and the lighting remains activated.</p> <p>Possible values: 1 to 120 seconds. "Unlimited" switches on the device permanently.</p>
7	Door opener function	<p>For security reasons to prevent unauthorised opening, the door cannot be opened if the connection was set up from the telephone to the door intercom. A click on the "Door opener function" activates the option for also opening the door with a call to the door intercom system. A corresponding warning is displayed when this function is activated.</p>
8	Language	Setting of the display language of the device.
9	Date / time	<p>If the option "Update during programming" is selected, during every configuration from the PC the current system time of the PC is automatically programmed in the door intercom system.</p>

6.4.8 "Call numbers" tab page



Call numbers for a max. of four bell pushbuttons can be defined here. (Note the Information on the entry of call numbers [► 72].)

For each bell pushbutton, one call number (1) and one backup number (2) can be defined. The backup number is only used if call forwarding (4) for the bell pushbutton is active. The PIN (3) is required to activate call forwarding in the door intercom system. (For use of call forwarding, refer to chapter Setting up call forwarding [► 100].)



When using the door intercom system in a multi-party house: assign a separate PIN to each apartment.

Possible types of call forwarding

Immediate	In the case of immediate call forwarding, the backup number is dialled immediately.
After a specific time	In the case of call forwarding after a specific time, the main call number is dialled first. If a connection is not established after the max. set call duration, the backup number is dialled.
Off	Deactivates call forwarding.

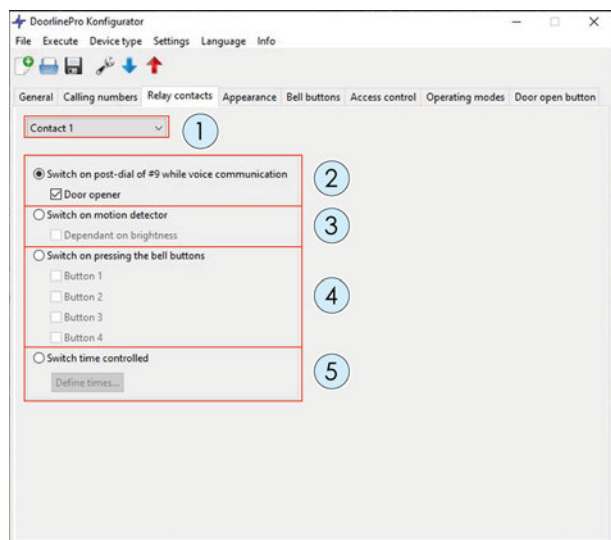
Information on call numbers with answering machine

If you have saved a call number in the door intercom system which, for example, has a telephone with answering machine assigned to it, problems may occur during a call signal from the door intercom system to this telephone.

In this case, the door intercom system cannot recognise whether the call is received by a person or by this answering machine. If the answering machine switches on, the door intercom system assumes that the door call was accepted and sets up voice communication with the answering machine.

Solution: Configure the door intercom system such that call forwarding takes place before the answering machine cuts in. Or you save telephone number in the door intercom system under which no answering machine is reached or where it is deactivated.

6.4.9 "Relay contacts" tab page



Selection of the relay contact (1)

Select the relay contact to be configured here.

Selection option:	Relay contact 1
	Relay contact 2
	SwitchBox contact 1
	SwitchBox contact 2
	SwitchBox contact 3
	I/O Box contact 1
	I/O Box contact 2
	I/O Box contact 3

"Switches with redialling of #9 during voice communication" (2)

In order to perform other switching functions with the door intercom system, an option is provided for remote control of the relay contacts via redialling commands from a telephone. This function is helpful for remote switching of a very wide variety of devices in the building.

The relay contacts can be switched via a call to the door intercom system and redialling of the following digits:

- #1 = relay contact 1
- #2 = relay contact 2
- #3 = relay contact 1 SwitchBox (optional)
- #4 = relay contact 2 SwitchBox (optional)
- #5 = relay contact 3 SwitchBox (optional)
- #6 = relay contact 1 I/O Box (optional)
- #7 = relay contact 2 I/O Box (optional)
- #8 = relay contact 3 I/O Box (optional)
- #9 = switches the relay contact defined as door opener

"Switches when the motion detector is tripped" (3)

The relay contact is activated when the door intercom system detects a movement via the motion detector.

With the "brightness-dependent" option, the relay contact is only activated if the surrounding area is dark.

"Switches with actuation of the bell pushbuttons" (4)

The relay contact is activated if a bell pushbutton is pressed.

For each relay contact, one or several bell pushbuttons can be selected for activation.

Example: to additionally activate a normal door gong during a ringing procedure. It is also conceivable here to activate a light or to cut in another device (important: observe max. breaking capacity of the switching relay; it may be necessary to use a power relay).

"Switches time-controlled" (5)

The relay contact is activated in accordance with a defined time plan.

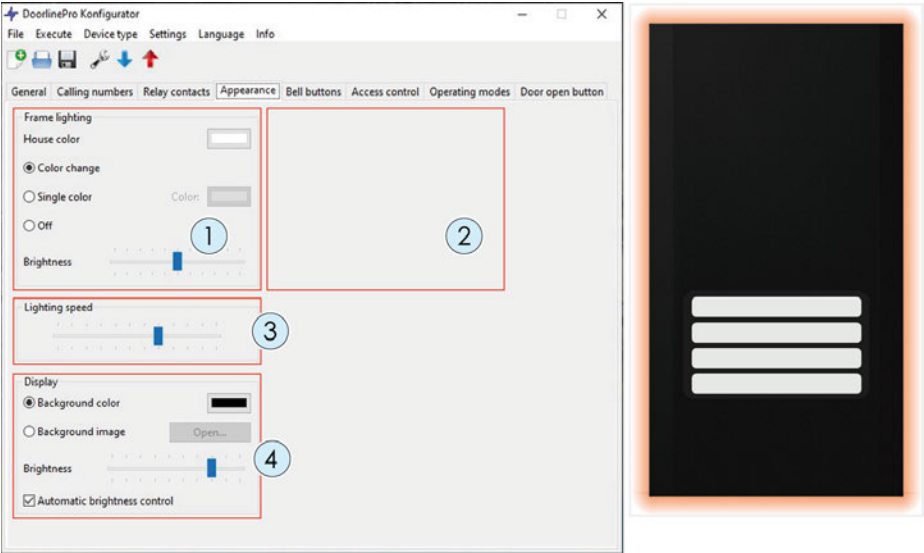
1. Click on "Define times..."

	Days of week							from	to
Phase 1	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00
Phase 2	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00
Phase 3	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00
Phase 4	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00
Phase 5	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00
Phase 6	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00
Phase 7	Mo	Tu	We	Th	Fr	Sa	Su	00:00	00:00

OK Cancel

2. Select the weekdays and times at which the switching contact is to be activated.

6.4.10 "Appearance" tab page



All parameters for door intercom system lighting can be set here. The result of your selection can be checked in the preview window.

Frame lighting (1)

House colour	Here you can select a background colour that most closely matches the exterior colour of the house.
Colour change	In "Colour change" mode, the possible colours are presented one after the other.
Monocolour	The frame colour can be adapted individually here. Click on the "Colour" button to do this. The dialogue for selection of the frame colour then opens.
Off	Frame lighting is deactivated.

Shaft lighting (2)

This function is only available with the model DoorLine Pro DP-100.

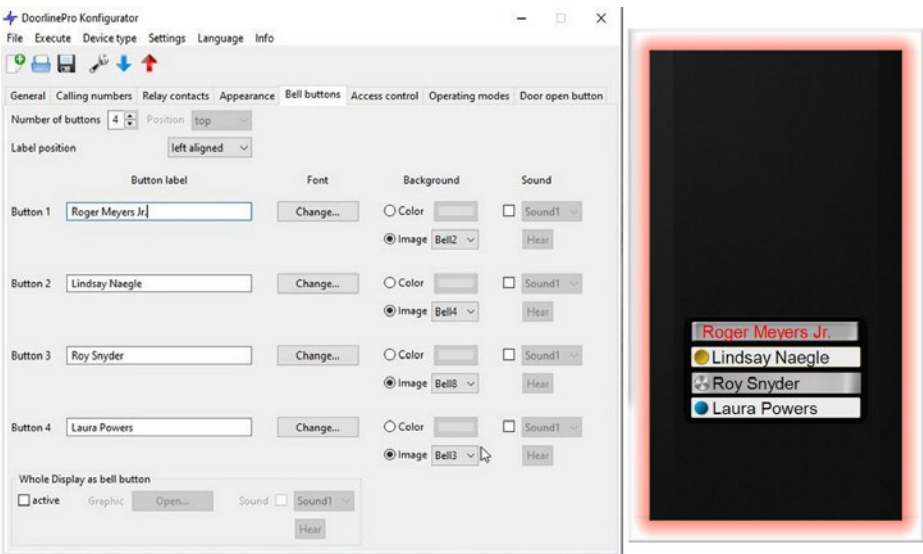
Lighting speed (3)

The speed of the colour change can be set here.

Display (4)

Background colour	When you click on the colour field, a dialogue opens in which you can select any background colour for the display that you desire.
Background image	Alternatively, you have the option of loading a background image onto the door intercom system instead of a monocolour background. You can use the file types JPG, BMP and PNG. The image is always scaled to the size and aspect ratio of the display. The best results are achieved with an image size of 480 x 272 pixels.
Brightness	The brightness of the display can be set here.
Automatic brightness control	If this option is active, the door intercom system controls the display brightness automatically depending on the ambient light.

6.4.11 "Bell pushbuttons" tab page



In the "Bell pushbuttons" tab page, you can adapt the optics of the bell push-buttons to your requirements.

You can

- divide the display into up to 4 buttons and arrange them individually or
- treat the complete display as one button and provide a graphic for the background.

The result of your selection can be checked in the preview window.

Number of buttons	Selection of how many bell pushbuttons are to be shown on the touch display. If only one button is selected, the "Position" option can be used to select whether the bell pushbutton is to be displayed at the top, in the middle or at the bottom of the display.
Position	With number of buttons=1, you can select whether this button is to be arranged at the top, bottom or in the middle.
Lettering position	Selection as to whether the lettering should be left-justified, right-justified or centred.

Button lettering	Input of which name is to be displayed on the bell pushbutton.
Font	The font and font colour of the bell pushbutton can be adjusted with the "Change" button.
Background	Selection of the background of the bell pushbuttons. You can either choose a fixed colour or one of 8 "Bell pushbutton backgrounds" (bell1 to bell8).
Sound	To provide visitors with feedback on the ringing procedure, you have an option of playing a tone when the bell pushbutton is touched. Currently only one sound can be selected.

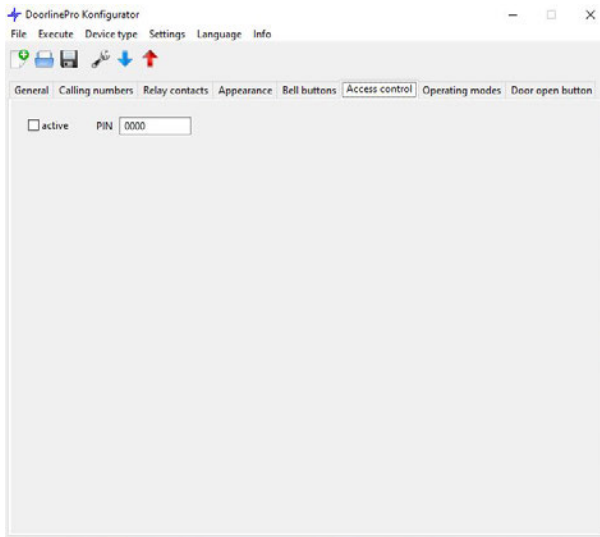
Whole display as bell pushbutton

You have an option of saving a graphic as a bell pushbutton. The display can then be regarded as a complete bell pushbutton and is assigned call number 1.

You can use the file types JPG, BMP and PNG. The image is always scaled to the size and aspect ratio of the display. The best results are achieved with an image size of 480 x 272 pixels.

1. Select "active" to use the complete display as a bell pushbutton.
2. Click on "Open..." to select a graphic.
3. Select whether a tone is to be played when the bell pushbutton is touched.

6.4.12 "Access control" tab page



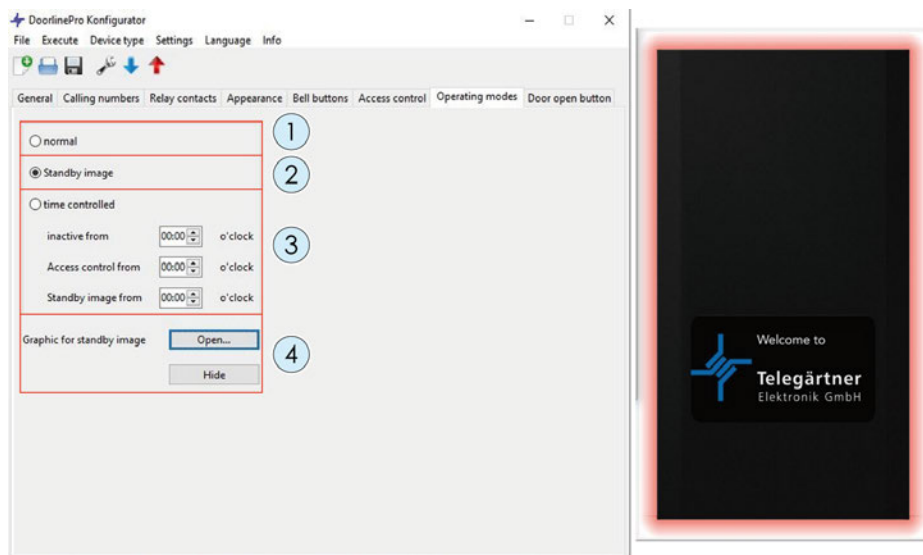
In the "Access control" tab page, you can configure the access control of the door intercom system.

Important: In order to use the access control, at least one relay contact must be configured as a door opener!

To activate the access control, "activate" the checkbox and enter a 4- to 12-digit PIN.

For use of the access control, see chapter Using access control [► 99].

6.4.13 "Operating modes" tab page



The door intercom system can be operated in the following operating modes:

- Normal (1)
- Standby screen (2)
- Time-controlled (3)

For the Standby screen (4), you have an option for using a background graphic (e.g. building number or company logo). You can use the file types JPG, BMP and PNG. The image is always scaled to the size and aspect ratio of the display. The best results are achieved with an image size of 480 x 272 pixels.

Operating mode "Normal" (1)

The display for the door intercom system is switched off. When the motion detector detects a movement, the bell pushbuttons are shown on the display.

Operating mode "Standby screen" (2)

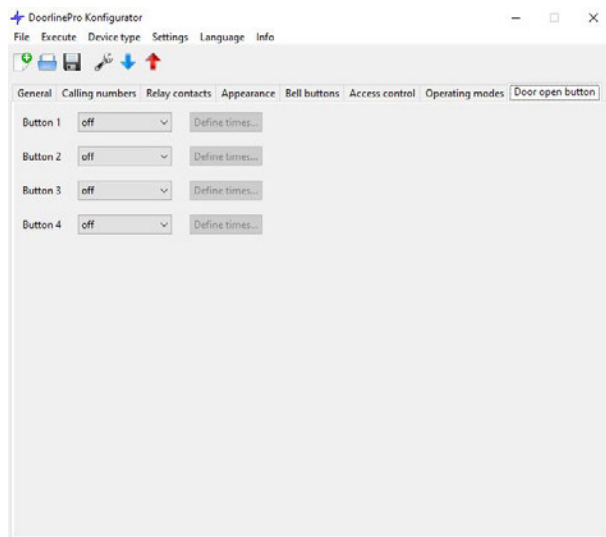
The display for the door intercom system shows a Standby screen. When the motion detector detects a movement, the bell pushbuttons are shown on the display.

Operating mode "Time-controlled" (3)

In this operating mode, you assign a time in each case as of when the following functions apply:

Inactive from	The door intercom system switches off completely. Ringing is not possible.
Access control from	When the motion detector detects a movement, the input keypad for access control is displayed. Ringing is not possible.
Standby screen from	The display for the door intercom system shows a Standby screen. When the motion detector detects a movement, the bell pushbuttons are shown on the display.

6.4.14 "Door open button" tab page



The "Door open button" is used to assign to a bell pushbutton whether and at which times this bell pushbutton can be used to open the door.

On	The "Door open button" is activated continuously.
Off	The "Door open button" is deactivated.
Time-controlled	The "Door open button" is activated in accordance with a defined time plan. If the "Door open button" is deactivated, the bell pushbutton is used for ringing. Click on "Define times..." to create the time plan.




The "Door open button" can only be configured via the PC software.

7 Configuration via a telephone

7.1 Acknowledgement tones

During programming, you will be informed about the positive and negative acknowledgement tones via the programming status.

Each note symbol corresponds to a beep:

neutral	Key input is expected	
positive	The programming has been accepted	
negative	The programming has not been accepted	

7.2 Saving and ending configuration

To end the configuration, it is sufficient to hang up the telephone receiver. The device then detects the end of the call automatically and saves the changed configuration.

7.3 Information on the entry of call numbers

Input	Effect
*	Does not result in the selection of this character but rather a dialling pause of one second
**	Results in one-time dialling of a "*" character If you reach your desired telephone via the call number "**1", you have to enter "****1" in the call number input of the DoorLine
#	The DoorLine generates a flash pulse of 100 ms
##	Results in one-time dialling of a "#" character








7.4 Entry to configuration mode

For configuration, you have to call your DoorLine with a touch-tone dialling telephone. The way you can call the DoorLine depends on the configuration of your PBX system.

When the connection to the device has been established, you can start with the configuration.

Notes

- Write down the corresponding codes for your own reference before you start the configuration.
- Enter the required string of digits speedily because otherwise the input will be rejected as incorrect!
- If the programming is rejected by the device (negative acknowledgement tone), you will have to repeat the incorrect programming step.
- If you entered the wrong PIN three times in succession, the connection is disconnected.

1		Pick up the receiver
2		Call the device
		You will hear the positive acknowledgement tone
3		Actuate the hashtag button twice on the telephone
		You will hear the neutral acknowledgement tone
4		Enter the PIN
		You will hear the positive acknowledgement and are now in programming mode

If you hear the positive acknowledgement tone, you can start with the programming. Otherwise the procedure must be repeated.

If you are in programming mode, you can carry out all configuration options one after the other.






7.5 Automatic adjustment to the PBX system

To guarantee optimum hands-free talking in all PBX systems, your device can adjust automatically to the respective system.

The adjustment takes a maximum of 20 seconds. An adjustment tone sounds during this procedure. During this period, you should not talk into the receiver because this can interfere with the automatic adjustment.







We recommend that you always carry out this step even if you made the configuration via the touch display or via the PC software.

1.		Enter the configuration mode (see chapter Entry to configuration mode [► 89])
2.	 	Actuate the hashtag button and star button on the telephone
3.	 	Enter configuration command "00" at the telephone
		Wait approx. 20 seconds until the adjustment tone ends
		You will hear the acknowledgement tone. The device is now adjusted to your PBX system






After the adjustment, you can adapt the volume and the microphone sensitivity as desired.

The microphone sensitivity can be adjusted in stages; the loudspeaker volume in 32 stages. When the maximum or minimum possible value is reached, you will hear an acknowledgement tone. Each correct key input is confirmed by a neutral acknowledgement tone.

The following code numbers are possible:








	Code number 2 reduces the microphone sensitivity
	Code number 3 increases the microphone sensitivity
	Code number 5 reduces the loudspeaker sensitivity
	Code number 6 increases the loudspeaker sensitivity

7.6 Restoring factory settings

1.		Enter the configuration mode (see chapter Entry to configuration mode [► 89])
2.	 	Actuate the hashtag button and star button on the telephone
3.	 	Enter configuration command "99" at the telephone
		After approx. 3 seconds you hear the positive acknowledgement tone. The device is now in delivery state.

7.7 Defining call numbers for bell pushbuttons

Configuration example of call number for bell pushbutton 1:



1.		Enter the configuration mode (see chapter Entry to configuration mode [► 89])
2.	 	Actuate the hashtag button and star button on the telephone
3.	 	Enter configuration command for call number bell pushbutton 1 "11" at the telephone
4.		Neutral acknowledgement tone
5.		Enter call number (max. 24 digits) that is to be assigned to the bell pushbutton (see Information on the entry of call numbers [► 89]).
		If no input is made for 5 seconds, you will hear the acknowledgement tone and the call number will be saved.

The remaining bell pushbutton call numbers are configured in the same manner. The following commands must be used to do this:

# * 1 2	Configuration of call number 2 for bell pushbutton 1
# * 2 1	Configuration of call number 1 for bell pushbutton 2
# * 2 2	Configuration of call number 2 for bell pushbutton 2
# * 3 1	Configuration of call number 1 for bell pushbutton 3
# * 3 2	Configuration of call number 2 for bell pushbutton 3
# * 4 1	Configuration of call number 1 for bell pushbutton 4
# * 4 2	Configuration of call number 2 for bell pushbutton 4

7.8 Enabling door opener function

For security reasons to prevent unauthorised opening, the door cannot be opened if the connection was set up from the telephone to the door intercom. This function can be deactivated if desired.








1.		Enter the configuration mode (see chapter Entry to configuration mode [► 89])
2.	# *	Actuate the hashtag button and star button on the telephone
3.	0 4	Enter configuration command "04" at the telephone
		As confirmation, you will hear a neutral acknowledgement tone
4.	1	Enter digit 1 to enable the door opener function or
	0	digit 0 to block the door opener function
		Finally, you will hear the positive acknowledgement tone

7.9 Defining door opener time

Actuation time of the door opener.

Possible values: 1 to 9 seconds

Delivery status: 3 seconds

1.		Enter the configuration mode (see Entry to configuration mode [► 89])
2.	 	Actuate the hashtag button and star button on the telephone
3.	 	Enter configuration command "05" at the telephone
		As confirmation, you will hear a neutral acknowledgement tone
4.		Define the switching time of the door opener by entering the digits 1 to 9 (digit corresponds to the duration in seconds)
		Finally, you will hear the acknowledgement tone








7.10 Defining call duration

Definition of the call duration for the door intercom system.

When this time has elapsed, the door conversation is disconnected automatically.

Delivery status: one minute

Possible values: 1 to 9 minutes in steps of one minute.

1.		Enter the configuration mode (see Entry to configuration mode [► 89])
2.	 	Actuate the hashtag button and star button on the telephone
3.	 	Enter configuration command "07" at the telephone
		As confirmation, you will hear a neutral acknowledgement tone
4.		Define the call duration by entering the digits 1 to 9 (digit corresponds to the duration in minutes)
		Finally, you will hear the acknowledgement tone








7.11 Defining call duration to extension line

Definition of the duration of the door call to the extension line of your PBX system.

Delivery status: 30 seconds

Possible values: 1 to 60 seconds.

Important: The duration of the door call to the extension line can only be set if call forwarding is programmed for a bell pushbutton. If call forwarding is not programmed, the setting of the call duration is ineffective. When a bell pushbutton is actuated, the set time for the call duration starts running immediately.

1.		Enter the configuration mode (see Entry to configuration mode [► 89])
2.	 	Actuate the hashtag button and star button on the telephone
3.	 	Enter configuration command "08" at the telephone
		As confirmation, you will hear a neutral acknowledgement tone
4.		Enter call duration with digits 01, ... 60 (in steps of one second). The input must have two digits
		Finally, you will hear the acknowledgement tone






8 Everyday use

8.1 Receiving a door call

A bell pushbutton at the door intercom system is pressed.

The saved call number is called.

The telephone of the called connection rings.

1.		Pick up telephone
		Voice communication is established directly
2.		Simply hang up the receiver to end the voice communication or
		enter digits #0 (disconnects the connection immediately) or
		the maximum call duration is reached. The connection is then disconnected automatically



8.2 Receiving a door call with call forwarding activated





A bell pushbutton at the door intercom system is pressed.

In the case of call forwarding after a specific time, the main call number is dialled first. The call can be accepted within this time as described in chapter Receiving a door call [► 97].




When this time elapses, or in case of configuration of "immediate" call forwarding, the saved call number 2 is dialled.

The telephone of the called connection rings.

1.		Pick up telephone
		You hear a door gong on the telephone

2.		Press a random numeric key on the telephone; voice communication is then set up.
3.		Simply hang up the receiver to end the voice communication or
		enter digits #0 (disconnects the connection immediately) or
		the maximum call duration is reached. The connection is then disconnected automatically

8.3 Opening a door

1.		A door call takes place
2.		Enter the button command # 9
		Door opener is activated and the visitor is requested to enter via the display

Important:

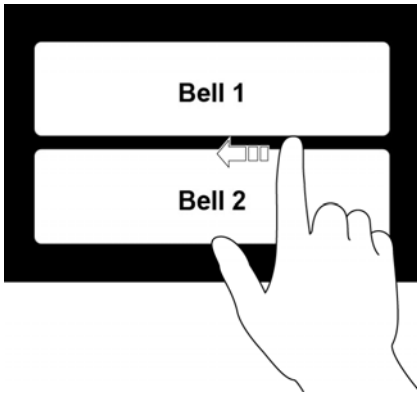
- In delivery status, the door cannot be opened from the telephone during a call setup. If this security measure is not required, it can be cancelled by a corresponding configuration (see chapter "General" tab page [► 74]).
- The time duration for the electric door opener can be set from 1-9 seconds (see PC software chapter "General" tab page [► 74], or Configuration via a telephone, chapter Defining door opener time [► 94]).

8.4 Using access control

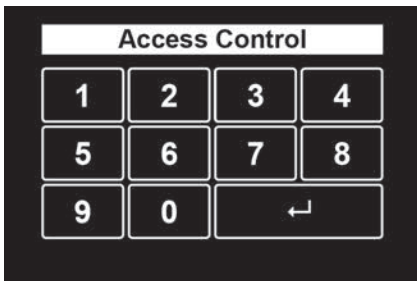
You can use the door intercom system for keyless door opening by means of a number code.

The access control must be set up beforehand in the Configuration menu and a relay contact must be defined as door opener.

The door intercom system shows the "Bell pushbuttons" default view.



1. Swipe from the right edge of the display to the left edge.
 - ⇒ An input keypad then appears (see chapter Use of the display keypad [► 28]).



2. Enter the PIN that you assigned in the configuration for the access control.
 - ⇒ If the PIN is not available, you can exit PIN input by swiping over the display in reverse direction.
3. Press "↵" to confirm your input.

- ⇒ If the PIN was entered correctly, the door opener is activated and the visitor is requested to enter via the display.

Please enter



8.5 Setting up call forwarding

Example:

You leave the house and are expecting a parcel service or important visitor. When you leave your house, you can now simply forward the door call to your mobile telephone or another telephone.

Precondition for call forwarding to an external destination

The analogue extension line to which the door intercom system is connected must have an authorisation for receiving external telephone calls.

In most telephone systems this function is referred to as "direct outward dialling".

Possible types of call forwarding

Immediate	In the case of immediate call forwarding, the backup number (call number 2) is dialled immediately.
After a specific time	With call forwarding according to time selected, the main call number (call number 1) is first dialled; if a connection is not established after the max. set call duration, the backup number (call number 2) is dialled.
Off	Deactivates call forwarding.

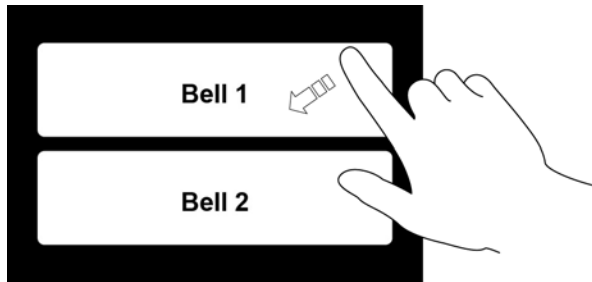
Bell pushbutton assignment / PINs

In the case of call forwarding, the backup numbers (call number 2) configured in the door intercom system are used.

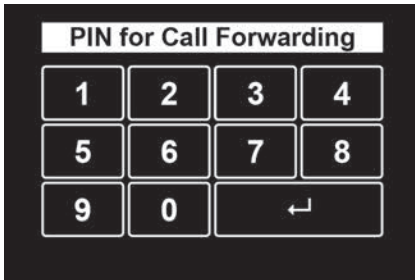
Each bell pushbutton can be assigned a PIN during call number configuration via the PC configurator. The PIN code ex works is "0000" for all buttons. For security reasons, this PIN must be changed in the PC configurator. "0000" corresponds to the delivery state, but must not be used.

In our example, call forwarding for bell pushbutton 1 is to be set up.

Setting up



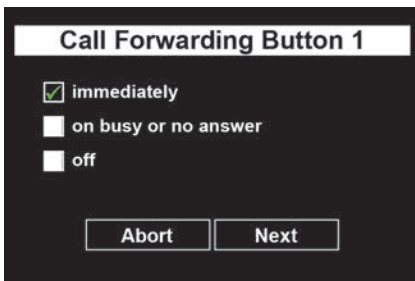
1. Swipe from the top right corner of the display to the bottom left corner.
⇒ You will then receive an input prompt for the PIN for call forwarding.



PIN for Call Forwarding

1	2	3	4
5	6	7	8
9	0	↩	

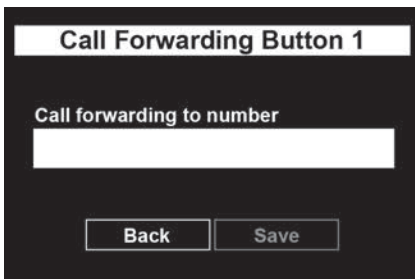
2. Enter the PIN and press the "↩" button to confirm.
 - ⇒ If the PIN is not available, you can exit PIN input by swiping over the display in reverse direction.
 - ⇒ If the PIN was entered correctly, the screen mask for call forwarding will appear



Call Forwarding Button 1

☒ immediately
☐ on busy or no answer
☐ off

3. Select the desired type of call forwarding and press the "Next" to confirm.

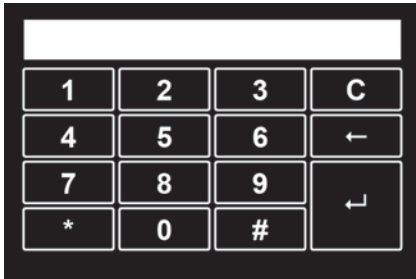


Call Forwarding Button 1

Call forwarding to number

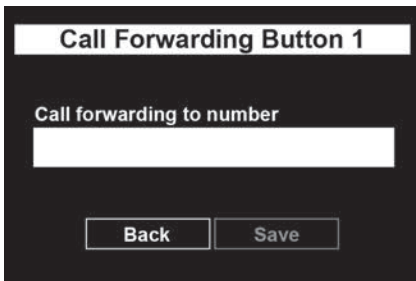
- ⇒ The screen mask for call number input then appears.
- ⇒ If you have already specified a backup number in the call number configuration, a call number is already entered here.

4. Touch the white call number field



⇒ A keypad appears on the touch display.

5. Enter the call number to which the door call is to be forwarded (see chapter Use of the display keypad [► 28]).
6. Press the "↵" button to confirm the setting.



7. Press the "Save" button to confirm the entered call number.
- ⇒ The door intercom system then returns to the default view "Bell pushbuttons" and your call forwarding is active.

8.6 Setting up "Door open button"

You have the option of setting up one or several bell pushbuttons as a so-called "Door open button". When a button set up as a "Door open button" is actuated, no bell signal is issued but rather the door opener relay is activated and the door can be opened.

The "Door open button" can be set up at the touch display of the door intercom system.

Application example

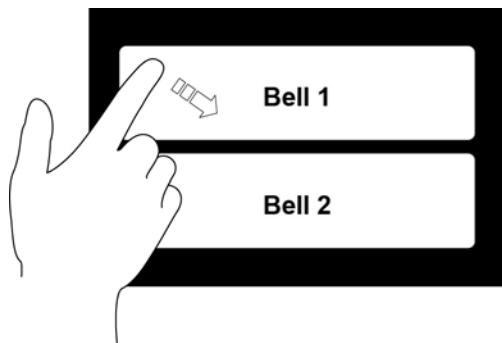
Commercial buildings that, for example, are open to visitors for a certain period during daytime. If a visitor now presses the bell pushbutton, the door unlocks automatically.

Bell pushbutton assignment / PINs

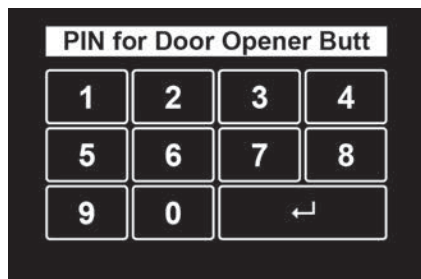
Each bell pushbutton can be assigned a PIN during call number configuration via the PC configurator. The PIN code ex works is "0000" for all buttons. For security reasons, this PIN must be changed in the PC configurator. "0000" corresponds to the delivery state, but must not be used.

Setting up

The door intercom system shows the "Bell pushbuttons" default view.



1. Now swipe from the top left corner of the display to the bottom right corner.
⇒ You will then receive an input prompt for the PIN for the "Door open button".



2. Enter the PIN of the bell pushbutton set up as the "Door open button" and press the "↵" button to confirm.
 - ⇒ If the PIN is not available, you can exit PIN input immediately by swiping over the display in reverse direction.
 - ⇒ If the PIN was entered correctly, the screen mask for configuration of the "Door open button" will appear.



Door Opener Button 1

☐ off

☒ on

☐ time controlled, define the times with the configurator

Abort **Save**

3. Now select whether the "Door open button" is to be activated or deactivated for the bell pushbutton.
4. Confirm the configuration with the "Save" button.
 - ⇒ The door intercom system then returns to the default view "Bell pushbuttons" and the desired "Door open button" is active.

8.7 Direct commands during voice communication

During a door call, you have the following additional input options on your telephone:

-
- | | |
|-----|--|
| # 0 | Disconnects the connection immediately. Door intercom system moves to standby. |
|-----|--|
-
- | | |
|-----|-------------------------------------|
| # 1 | Switch command for relay contact 1. |
|-----|-------------------------------------|
-
- | | |
|-----|-------------------------------------|
| # 2 | Switch command for relay contact 2. |
|-----|-------------------------------------|
-
- | | |
|-----|---|
| # 3 | Switch command for SwitchBox contact 1. |
|-----|---|
-
- | | |
|-----|---|
| # 4 | Switch command for SwitchBox contact 2. |
|-----|---|
-
- | | |
|-----|---|
| # 5 | Switch command for SwitchBox contact 3. |
|-----|---|
-
- | | |
|-----|---------------------------------------|
| # 6 | Switch command for I/O Box contact 1. |
|-----|---------------------------------------|
-
- | | |
|-----|---------------------------------------|
| # 7 | Switch command for I/O Box contact 2. |
|-----|---------------------------------------|
-
- | | |
|-----|---------------------------------------|
| # 8 | Switch command for I/O Box contact 3. |
|-----|---------------------------------------|
-
- | | |
|-----|---|
| # 9 | Activates the door opener.
Function is only available if <ul style="list-style-type: none"> ▪ a relay contact is configured as door opener and <ul style="list-style-type: none"> – the door call was set up by the door intercom system or – the door opener function was enabled in the configuration of the door intercom system. |
|-----|---|
-

Important: The contacts can only be switched via these direct commands if they have been assigned the function "Redial" in the configuration.

9 Malfunctions and fault elimination

The following table contains the most frequently occurring malfunctions and their correction. In case of further malfunctions, please contact your specialist dealer or our technical Hotline (see rear side of device).

Malfunction	Reason	Solution
No function	Power supply unit connection of door intercom system with reverse polarity	Connect door intercom system in accordance with the connection diagram (see chapter Wiring diagram [► 22])
	Power supply unit defective	Contact Telegärtner Service
Door is not unlocked	No relay contact with the door opener function is configured	Define a relay contact in accordance with the configuration instructions as a door opener contact
	Door opener not receiving voltage	No bell transformer was used. See chapter Connection example for a door opener and a door bell [► 23]
Voice communication is not established after picking up the telephone	Call forwarding is programmed on a bell pushbutton	After a door call is set up with activated call forwarding, a numeric key must be pressed in addition at the telephone

Door intercom system does not dial a telephone	You have forgotten to configure a flash pulse before the internal call number or ** in the call number saved for the bell pushbutton	Configure the door intercom system in accordance with the operating instructions of the respective PBX system. It may be necessary to connect an analogue telephone as a test instead of the door intercom system and check what has to be dialled in order that the desired telephone rings
	Wrong call number programmed	
Display is difficult to recognise	The selected colours of the bell pushbuttons and the bell pushbutton lettering are too similar so that there is no contrast present and the lettering can no longer be read	Ensure that the colour contrast between the button colour and the lettering colour is high enough that the lettering is easily legible
	Display is too dark	
Call forwarding to mobile telephone does not work	Your door intercom system is not authorised to carry out outward calls	Observe the operating instructions of the telephone system. Check the direct outward dialling for the analogue extension line of the door intercom system
	It is possible that a "0" has to be pre-dialled on your telephone system in case of an outward call	
		Change the call number for call forwarding in the door intercom system accordingly

10 Maintenance, care and disposal

10.1 Cleaning

Caution: Unsuitable cleaning agents can damage the surface of the device.

Clean the device and the touch display with a soft, slightly damp cloth. Never use hard objects or scouring or aggressive cleaning agents.

High-grade steel surfaces

Take care of high-grade steel surfaces with a commercially available high-grade steel care product.

Do not treat ground surfaces against the grinding direction.

10.2 Storage

If the device is not installed, store it in a condensate-free area at an ambient temperature of -20 °C to +60 °C.

10.3 Disassembly

Prior to disassembly of the device, de-energise all components used.

Proceed in reverse sequence to assembly (see Installing device on mounting plate [► 18]).

10.4 Disposal

10.4.1 Disposing of packaging material

All packaging materials are environmentally compatible and recyclable. The packaging material can be returned to the sales outlet or the local collection centres for used paper and plastic materials.

10.4.2 Disposing of old device



The product belongs to the category electrical and electronic equipment. In accordance with the EC Directive 2012/96/EC, it must not be disposed of together with household waste but must be delivered to the local return system for electrical and electronic equipment.

11 Glossary of technical terms

Technology develops at a rapid pace and new terms are added every day. If you are not sure of the meaning of a term used in this manual, you can quickly look it up here to find out its meaning.

a/b Port

The a/b port or interface connects an end device via a two-wire line (twisted pair) to the communication device. The two wires are called "a-wire" and "b-wire", hence the name of the port.

DECT

Digital Enhanced Cordless Telecommunications

International standard for telecommunication by means of radio technology, in particular for cordless telephones.

DECT(ULE)

Digital Enhanced Cordless Telecommunications (Ultra Low Energy)

Energy saving version of DECT-radio.

Flash pulse

Corresponds to the function key (R-button) on telephones with tone dialling. When it is pressed, it interrupts the current flow in the telephone line for a defined time. This interruption is evaluated by many telephone systems in certain operating modes as a control signal (e.g. for switching over from remote to external).

GSM

Global System for Mobile Communications

Mobile radio standard for telephony, data transmission and short messages.

LED

Light Emitting Diode

DTMF

Dual-tone multi-frequency signalling

PIN

You require the personal identification number (PIN) to enter programming mode. In delivery state, the PIN is "0000". It is strongly recommended to change the PIN and to store the new string of digits in a safe, secret place to prevent unauthorised persons from accessing configuration mode.

Programming mode

In programming mode (configuration mode), you can set certain parameters of your module and change preset values.

RJ11 Socket / connector

The most commonly used RJ plug connectors used in the area of telephony are modular plugs.

Normal types are equipped with six contact positions, those with RJ-11 have four contacts.

TAE

Abbreviation for telecommunications connection unit. Standardised connection elements in the German telephone network for the connection of devices: connection socket (TAE socket) and plug connector (TAE plug).

PBX system

Telecommunication system, private branch exchange device, private communication systems (e.g. Eumex, FRITZ!Box, Speedport) that are connected for external communication with the public telecommunication network. They are not just limited to telephone services but also offer transport services for complete office communication (voice, text, data and image transmission).







Technical Hotline

If you have questions on the operation or configuration of your DoorLine that cannot be answered in these Operating Instructions, please contact your specialist dealer.

If your specialist dealer cannot help, our Hotline is at your disposal.

Usage of the Hotline incurs the normal connection costs.

Telegärtner Elektronik Hotline

Tel.:	+49 7951 488 9200
Monday-Thursday:	7:00 a.m. - 4:30 p.m.
Friday:	7:00 a.m. - 1:00 p.m.
service@telegaertner-elektronik.de	

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www.telegaertner-elektronik.de
info@telegaertner-elektronik.de



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