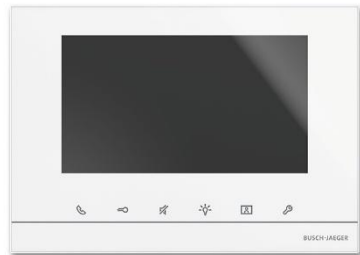


ABB-Welcome

DP7-S-611

DP7-S-625

7" Video hands-free indoor station with free@home function



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2	Safety	Error! Bookmark not defined.
2.1	Used symbols	Error! Bookmark not defined.
2.2	Intended use.....	Error! Bookmark not defined.
2.3	Improper use.....	Error! Bookmark not defined.
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1 Information about the manual

Please read this manual through carefully and adhere to the information contained therein. This will assist you in preventing injury to persons and damage to property and ensure reliable operation and long service life of the device.

Please keep this manual in a safe place.

If you pass the device on, also include this manual.

Busch-Jaeger accepts no liability for failure to observe the instructions in this manual.

If you require additional information or have questions about the device, please contact Busch-Jaeger or visit our Internet site at:

www.BUSCH-JAEGER.com

www.abb.com/freeathome



Note...

Detailed information for planning ABB-Welcome systems and ABB-free@home systems is contained in the system manuals. Download at www.Busch-Jaeger.com or www.abb.com/freeathome

2 Safety

The device has been constructed according to the latest valid regulations governing technology and is operationally reliable. It has been tested and left the factory in a technically safe and reliable state.

However, residual hazards remain. Read and adhere to the safety instructions to prevent such hazards.

Busch-Jaeger accepts no liability for damages resulting from failure to observe the safety instructions.

2.1 Used symbols

The following symbols point to dangers involved in the use of the device and provide practical instructions.



Warning

This symbol in connection with the signal word "Warning" indicates a dangerous situation which could lead to immediate death or to serious injury.



Attention - damage to property

This symbol indicates a possibly damaging situation for the product. Non-observance can lead to damage or destruction of the product.



Note...

This symbol indicates information or references to additional useful topics. This is not a signal word for a dangerous situation.



This symbol indicates information on the protection of the environment.

The following symbols are used in the manual to draw attention to special dangers:



This symbol indicates a dangerous situation due to electric current. If such a sign is ignored, it can lead to serious injuries or even death.

2.2 Intended use

The ABB-free@homeTouch 7" (DP7-S-6xx) is an integral part of the ABB Welcome door communication system and operates exclusively with components from this system, can be used as control panel in ABB-free@home system (should be configured via SysAP beforehand).

The device is intended for the following:

- » operation according to the listed technical data,
- » installation in dry interior rooms,
- » use with the connecting options available on the device.

The intended use also includes adherence to all specifications in this manual.

2.3 Improper use

Each use not listed in chapter 2.2 is deemed contrary to intended use and can lead to the injury of persons and damage to property.

Busch-Jaeger is not liable for damages caused by use deemed contrary to the intended use of the device. The associated risk is borne exclusively by the user/operator.

The device is not intended for the following:

- » unauthorized structural changes,
- » repairs,
- » use outdoors or in bathroom areas,
- » use with an additional bus coupler.

2.4 Target group / qualification of personnel

Installation, commissioning and maintenance of the device must only be carried out by trained and properly qualified electrical installers.

The electrical installers must have read and understood the manual and follow the instructions provided.

The electrical installers must adhere to the valid national regulations in their country governing the installation, functional test, repair and maintenance of electrical products.

The electrical installers must be familiar with and correctly apply the "Five safety regulations" (DIN VDE 0105, EN 50110):

1. Disconnect from power
2. Secure against being re-connected;
3. Ensure there is no voltage;
4. Connect to earth and short-circuit;
5. Cover or barricade adjacent live parts.

2.5 Safety instructions



Warning

Dangerous currents flow through the body when coming into direct or indirect contact with live components.

This can result in electric shock, burns or even death.

- » Disconnect the mains power supply prior to installation and/or disassembly!
- » Permit work on the 110-240 V supply system to be performed by

specialist staff.

- » Never use the device with damaged connecting cables.
- » Do not open covers firmly bolted to the housing of the device.
- » Use the device only in a technically faultless state.
- » Do not make changes to or perform repairs on the device, on its components or its accessories.
- » Keep the device away from water and wet surroundings.



Attention - damage to property

Risk of damaging the device due to external factors.

Moisture and contamination can damage or destroy the device.

- » Protect the device against humidity, dirt and damage during transport, storage and operation.

3 Information on protection of the environment

All packaging materials and devices bear the markings and test seals for proper disposal.

The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance (EU Directive 2002/96/EG WEEE and 2002/95/EG RoHS), (EU-REACH Directive and Law for the Execution of the Directive (EG) No.1907/2006).



The device contains valuable raw materials which can be recycled. Used electric and electronic devices must not be disposed of with domestic waste.

- » Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.

4 Product description

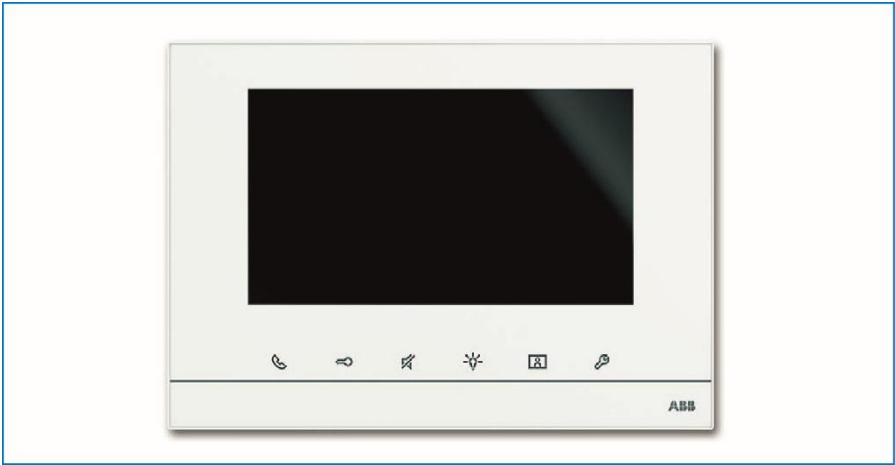


Fig. 1: Product overview

The ABB-free@home® Touch 7" serves as indoor video station for the ABB-Welcome door communication system and for the central control of free@home functions, such as moving blinds, switching scenes, or controlling room temperature controllers (as extension unit).

The product is part of the ABB Welcome door communication system and operates exclusively with the components of this system.

The panel is connected to both bus systems, the free@home bus and the Welcome bus. The audio/video signals are transmitted and the device is supplied with power exclusively via the Welcome bus. The panel can therefore also be used as a pure video indoor station without a connection to the free@home system.

It is not possible to operate the panel without being connected to the Welcome bus. This means that at least one ABB-Welcome system controller or one additional power supply is to be provided to ensure that the panel is supplied with power.

Up to 16 free@home functions can be positioned on the free@home operating page. The room temperature controller function occupies two function positions.

Programming is carried out via the user interface of the System Access Point.

In addition, the panel acts as gateway which mutually compiles the telegrams of the two bus systems. This, for example, makes it possible to switch an actuator in the free@home system during an incoming door call of the ABB-Welcome system, or to use a sensor in the free@home system to send an "Open door" command to the ABB-Welcome system.

4.1 Scope of supply

The scope of supply only contains the panel.




The bus can be connected via enclosed terminal block.

4.2 Type overview

Article no.	Product name	Colour	Display diagonal
DP7-S-611	ABB-free@home [®] Touch 7"	white	17.8 cm (7")
DP7-S-625	ABB-free@home [®] Touch 7"	black	17.8 cm (7")

4.3 Function overview free@home

The following table provides an overview of the possible functions and applications of the device:

Icon of the operating surface	Information
	Name: Floor ringing Type: Sensor Made available by: free@homeTouch 7" Function: Signals an incoming floor call (Application: a free@home actuator is to switch during an incoming floor call)
	Name: Floor call button Type: Actuator Made available by: free@homeTouch 7" Function: Triggers a floor call (Application: a free@home sensor is to be used as floor call button)
	Name: Corridor light Type: Actuator Made available by: free@homeTouch 7" Function: Switches the corridor switching contact of the Welcome system controller



Name: Automatic door opener
Type: Actuator
Made available by: free@homeTouch 7“
Function: Activates/ deactivates the automatic door opener (Application: a free@home sensor is to activate/deactivate the automatic door opener)



Name: Door opener
Type: Actuator
Made available by: free@homeTouch 7“
Function: Actuates the door opener of the ABB Welcome system (Application: a free@home sensor is to actuate the door opener)



Name: Door call
Type: Sensor
Made available by: free@homeTouch 7“
Function: Signals an incoming door call (Application: a free@home actuator is to switch during an incoming door call)

Each of these functions appears as separate entry in the "Allocation" area. The functions can be positioned on the floor plan and then, like any other sensor or actuator, connected in the "Linking" area with other sensors and actuators.

The "Door call" function offers 4 linking functions for each of the 4 possible Welcome outdoor stations. This allows specific actions to be configured separately for each entrance of the house. These are triggered as soon as the visitor rings the bell at one of the outdoor stations.

The "Door opener" function offers 5 connecting functions: Either one of the 4 possible door openers of the Welcome system can be specifically activated (to open a specific door with the one sensor), or a door opener can be defined which dynamically opens the door from which a door call is currently being made (all doors can be opened with only one sensor, wherever the bell is being rung from).

5 Operation

5.1 Standard operations

5.1.1 Control elements

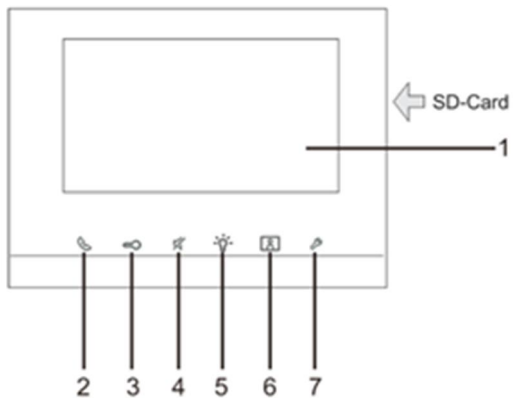


Fig. 2 Control elements

ABB-Welcome

No.	Functions
1	7" Touch screen
2	Communication button 2A While a call is coming, press this button to activate the communication within 30 seconds and press it again to end the call. 2B In standby mode, press this button to set up the voice and video connections to the default outdoor station.
3	Unlock button 3A Press this button to open the door at any time. 3B Auto-unlock: the door is automatically opened after an incoming call. If the LED lights up, this indicates auto-unlock. If the LED flashes rapidly, it means the door is open over the set time (The sensor must be connected first).
4	Mute button 4A In standby mode, press this button to mute the ringtone for this indoor station. 4B In standby mode, hold this button to mute the ringtone for all indoor stations in the apartment. 4C While a call is coming, press this button to reject the call. 4D During the conversation, press this button to mute the microphone. If the LED lights up, this indicates a mute status.
5	Programmable button 5A Release the lock connected with OS (COM-NC-NO) (default function) 5B *Programmable for additional functions, e.g. call to guard unit, intercom.....
6	Surveillance button 6A In standby mode, press this button to surveil the default outdoor station. 6B When video is on the screen, press this button to snapshot manually.
7	System setting button Enter the system settings menu for various functions of the device.

*For use of this button, please contact your electrical installer.

5.1.2 Welcome screen and status bar

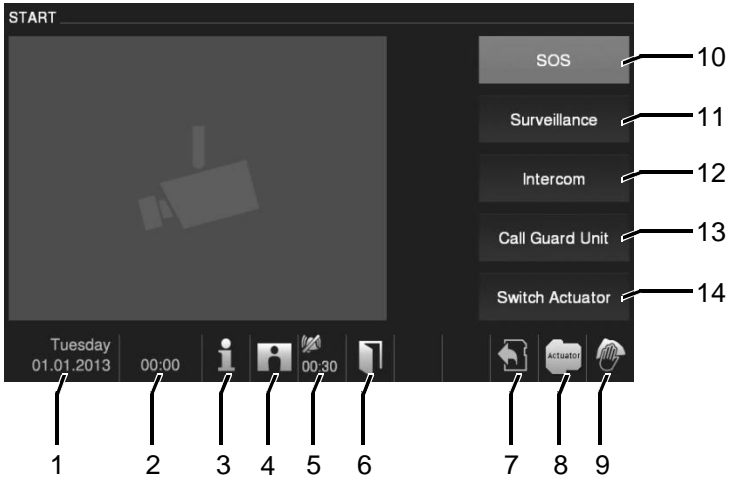


Fig. 3 Status bar

During the calling period, the following functions are available:

No.	Functions
1	Current date - Touch this button to set the current date..
2	Time - Touch this button to set the correct time .
3	System information - Touch this button to call up the address (number of the indoor station, default outdoor station, master or slave station) on this panel and the current software information.
4	History - New information is available in History (events and picture memory) when this icon flashes. it means a missed call or a voice message. - Touch this button to display the events and picture memory .
5	Mute function - Icons "crossed-out handset" and "crossed-out bell" indicate the mute status of the microphone or the loudspeaker of the panel.
6	Open entrance door

ABB-Welcome

	<ul style="list-style-type: none">- The "Open door" icon is displayed when you press the door opener or activate the function "Automatic door opener".
7	<p>SD card</p> <ul style="list-style-type: none">- The icon shows whether you have inserted an SD card.
8	<p>Switch actuator</p> <ul style="list-style-type: none">- The icon is shown after you activate the switch actuator.
9	<p>Cleaning blockage</p> <ul style="list-style-type: none">- The icon is shown when the display is blocked to prevent functions being enabled during cleaning.
10	<p>SOS</p> <ul style="list-style-type: none">- Press this button for 3s to send an SOS signal to a guard unit.
11	<p>Surveillance</p> <ul style="list-style-type: none">- Touch this button to start to survey the default outdoor station .
12	<p>Intercom</p> <ul style="list-style-type: none">- Touch this button to enter the intercom call menu.
13	<p>Guard unit</p> <ul style="list-style-type: none">- Touch this button to call a guard unit.
14	<p>Switch Actuator</p> <ul style="list-style-type: none">- Touch this button to enter the switch actuator menu.

5.1.3 Door communication system functions in ABB-free@home system

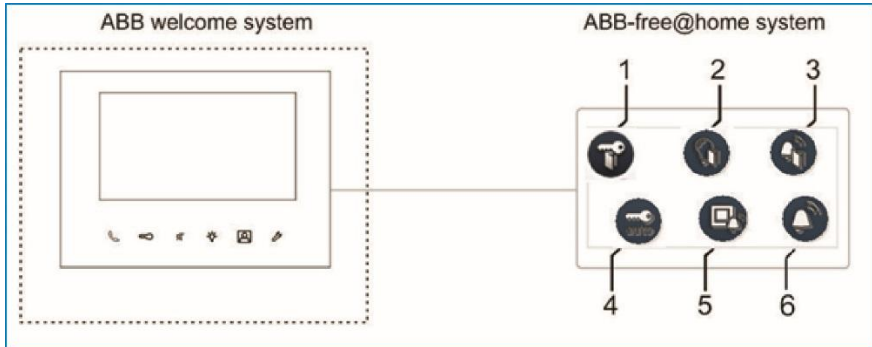


Fig. 4 Overview of control buttons

No.	Function
1	<p>Door opener</p> <ul style="list-style-type: none"> - use a free@home sensor to activate door opener. - open door of currently ringing outdoorstation (similar to open door button in Indoorstation)
2	<p>Corridor light</p> <ul style="list-style-type: none"> - switches the corridor switching contact of the Welcome system controller.
3	<p>Floor call button</p> <ul style="list-style-type: none"> - use a free@home sensor to activate/simulate the floor call for one Indoorstation (floor call likes door bell call without intercom). - activate a free@home actuator, with switch relay, when the floor call was pushed.
4	<p>Automatic door opener</p> <ul style="list-style-type: none"> - use a free@home sensor to activate / deactivate the automatic door opener function
5	<p>Floor ringing</p> <ul style="list-style-type: none"> - activate a free@home actuator when a call from outdoor was received.
6	<p>Door call</p> <ul style="list-style-type: none"> - activate a free@home actuator during an incoming door call.

5.1.4 free@home

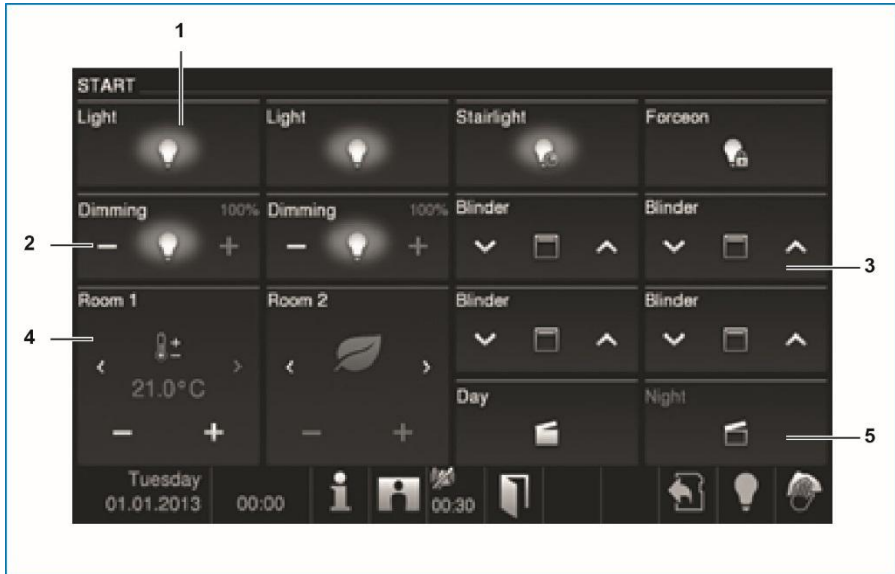


Fig. 5 Home automation

When activating the function, the controlframes for home automation will be shown on the welcome screen.


No.	Function
1	Light switch Switch on/off. Timed on duration. Force-position on/off
2	Dimmer control Light dimmer control (One step forward and one step backward).
3	Blind control Blinds control (Moving up/down, step up/down).
4	Room thermostat control Air conditioner control (Temperature up/down, mode switch,).
5	Scene control Morning, Evening, Sleep, Leaving Home, Party, Cinema, Dinner, Presence Simulation

5.2 Control actions

5.2.1 Surveillance



Fig. 6 Surveillance

Touch this button to start to survey the default outdoor station. Only the video connection appears first. Press  button to activate the voice connection.

No.	Function
1	Designation of camera.
2	Set volume with the "Plus / minus" buttons.
3	If several outdoor stations or external cameras are connected. - Select a camera with the "Forward/back" buttons
4	Touch the button to set the display. <ul style="list-style-type: none"> • Saturation of the display (plus and minus). • Contrast of the display (plus and minus).

5.2.2 Intercom

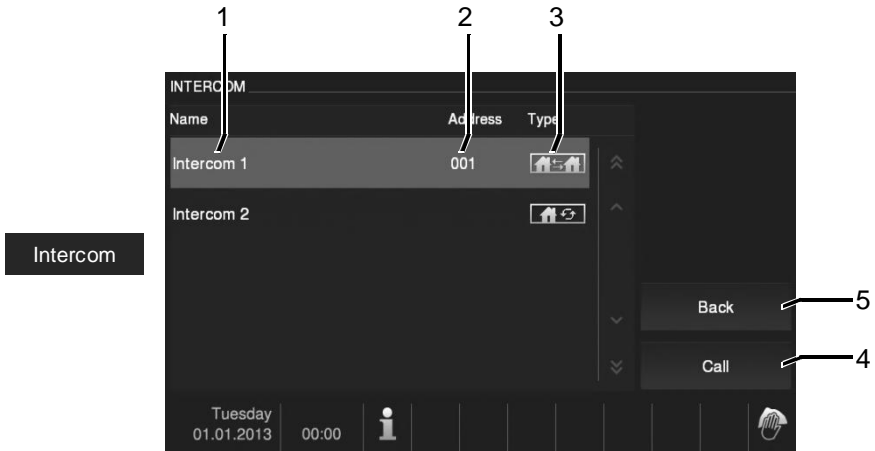




Fig. 7 Intercom

Touch this button to enter the intercom call menu . Then, the following functions are available.

Set the intercom call lists in the “System setting-intercom setting“ menu first.

No.	Functions
1	The name of an intercom.
2	The address of an intercom.
3	The type of an intercom (external or internal).  means an external intercom from a different apartment.  means an internal intercom from the same apartment.
4	Make an intercom call.
5	Back to the START screen.

5.2.3 Calling Guard unit

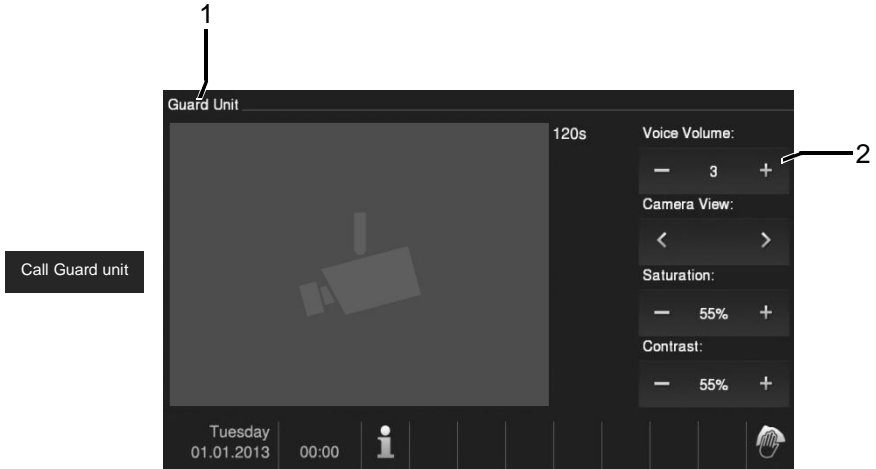


Fig. 8 Calling Guard unit

Touch the "Guard unit" button to call a guard unit . Then, the following functions are available.

No.	Functions
1	Designation of a guard unit
2	Set volume with the "Plus / minus" buttons.

5.2.4 Switch Actuator

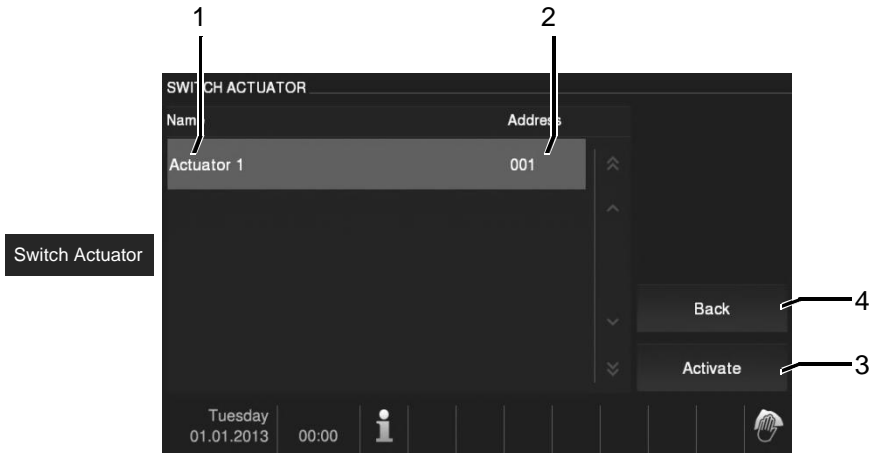


Fig. 9 Switch Actuator

Touch this button to enter the switch actuator menu . Then, the following functions are available.

Set actuator lists in the "system setting-switch actuator" menu first.

No.	Functions
1	The name of an actuator.
2	The address of an actuator.
3	Touch this button to activate the selected actuator.
4	Touch this button to go back to the START screen.

5.2.5 Setting up the voice and video connections



Fig. 10 Switch Actuator

The following functions are available for setting up the voice and video connections (press the communication button):

No.	Functions
1	Designation of the camera.
2	Set the volume with the "Plus / minus" buttons.
3	On condition that several outdoor stations or external cameras are connected, select the camera with the "Forward/back" buttons.
4	Touch the buttons to set the display. <ul style="list-style-type: none"> • Saturation of the display (plus and minus). • Contrast of the display (plus and minus).

5.2.6 Opening the door



Fig. 11 Opening the door

Press the key button to activate the door opener. Then, the following function becomes available:

No.	Functions
1	The "Open door" icon is displayed after you press the door opener or activate the function "Automatic door opener".

5.2.7 Muting

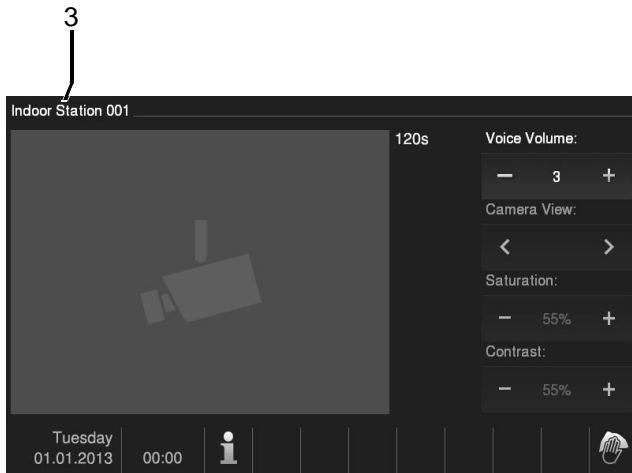
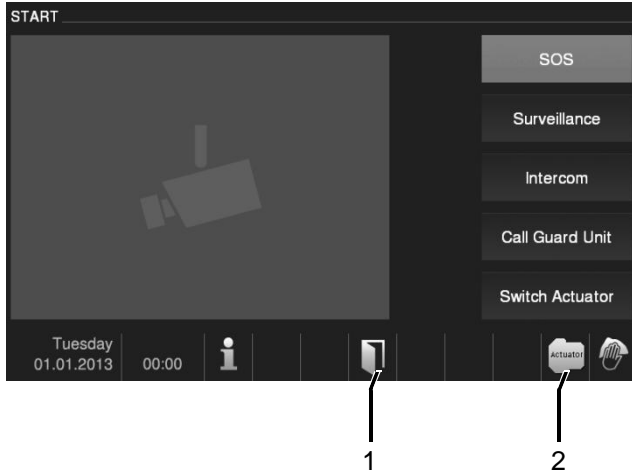


Fig. 12 Opening the door

The muting menu (mute timer) has the following functions:

No.	Functions
1	<p>No call is pending:</p> <p>If you press the "Mute function" while no call is pending, the bell sound of the panel will be deactivated for a certain period.</p> <ul style="list-style-type: none"> - If calls come in during this period of time, only the video image is displayed. - Missed calls are displayed in the events and pictures memory .
2	<p>A call is pending:</p> <p>If you press the button "Mute function" during a call, the microphone of the panel will be deactivated until the button is pressed again.</p>

5.2.8 Activating the custom function



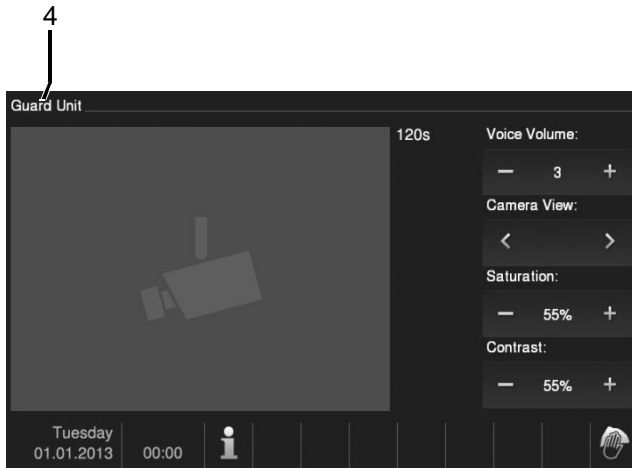


Fig. 13 Activating custom function

The program button can be configured with different functions, e.g. call to guard unit, intercom call or control switch actuator. And its default function is the release of the 2nd-lock, which is connected with terminals COM-NC-NO of an outdoor station. If no function is assigned to the program button, there will be no action after pressing this program button.

Only the existing intercom call list & switch actuator list can be assigned for the program button.

No.	Functions
1	If the function "release 2 nd -lock" is assigned to the program button, the "Open door" icon will be displayed when you press the program button.
2	If the function "control switch actuator" is assigned to the program button, the "Actuator" icon will be displayed when you press the program button.
3	If the function "make an intercom call" is assigned to the program button, the call will be activated directly when you press the program button.
4	If function "call guard unit" is assigned to the program button, the call will be activated directly when you press the program button.

5.2.9 Events and picture memory / history

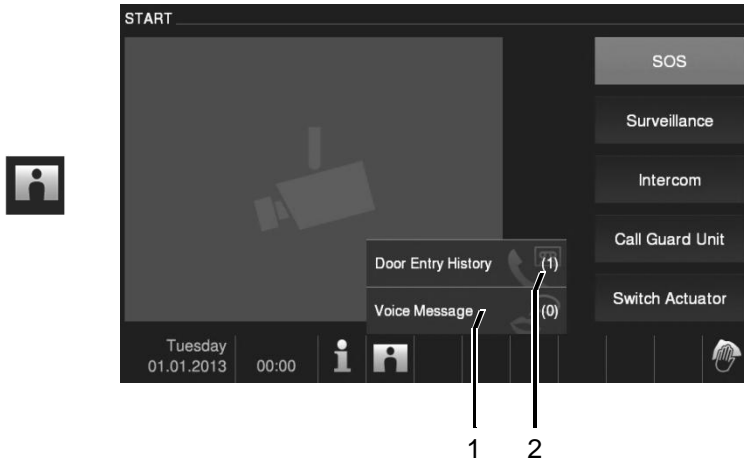
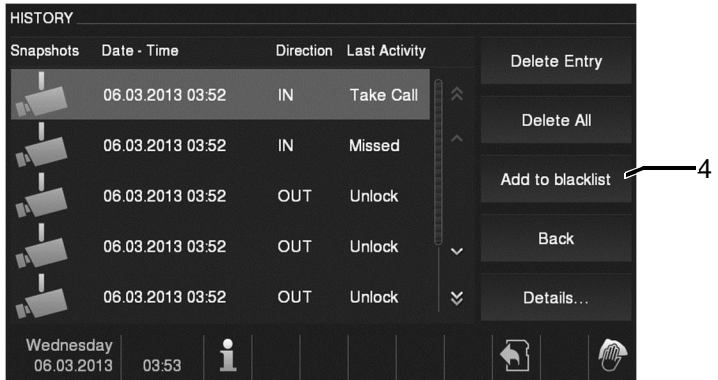
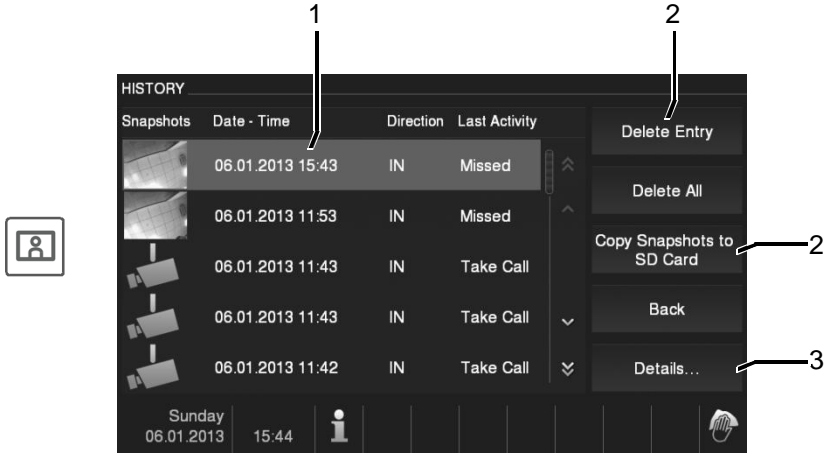


Fig. 14 Events and picture storage / history

The panel records all events. Press the "History" button, then the last 100 events will be displayed (prior events are overwritten).

No.	Functions
1	If you have activated the function "Auto snapshots activated" in the system settings, the flashing icon in the status bar signals a newly taken snapshot. - The symbol stops flashing when you call up the events and pictures memory.
2	Voice message - Press the flash button to enter the voice message settings menu.

ABB-Welcome



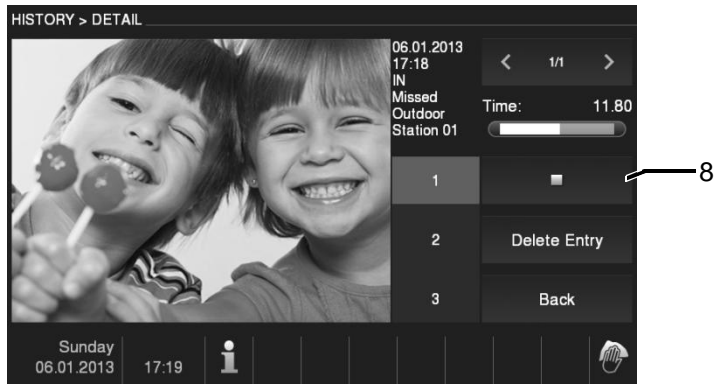


Fig. 15 Events and picture storage / history

During a call, you can take a snapshot at any time by pressing the "History" button, even when the "Automatic snapshots" function is not activated. The events and pictures memory / history menu has the following functions.

No.	Functions
-----	-----------

ABB-Welcome

1	<p>If you have activated the system setting menu "Automatic snapshots", a mini window will be displayed in the events list after an incoming call is missed.</p> <ul style="list-style-type: none">- Date, time and the type of the event are recorded together with the snapshot.- If no automatic snapshots are activated, a camera icon will be displayed in the mini window.
2	<p>Individual entries or the entire list can be deleted at any time.</p> <ul style="list-style-type: none">- Snapshots which you would like to archive can be copied on an inserted SD card (SD, SDHC).
3	<p>Three pictures are made each time when a visitor rings the bell. This ensures that an optimum snapshot is taken.</p> <ul style="list-style-type: none">- All recorded pictures are accessed via the details window.
4	<p>Only if a call is an intercom call list, the list can be added to the blacklist, which is used to prevent unwanted calls from other apartment(s).</p>
5	<p>Display the details window of a record</p>
6	<p>Select an event with the "Forward/backward" buttons.</p>
7	<p>Press the button (1/2/3) to select a single picture .</p>
8	<p>If there is a voice message left from a visitor,,touch the play or stop button to play or stop the voice message.</p>

5.2.10 Information

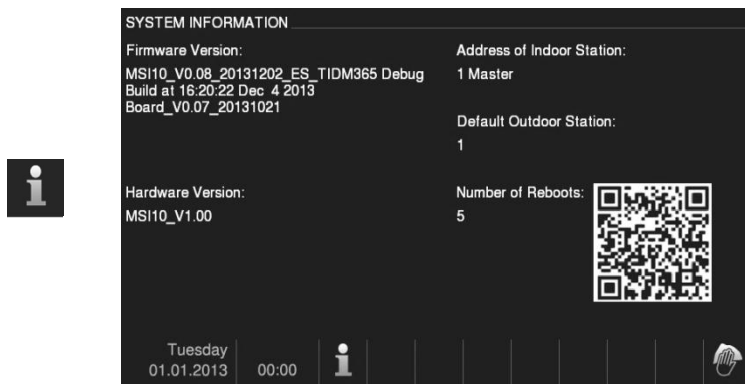


Fig. 16 Information

Above items will be shown on the “Information” menu.

5.2.11 Inserting the SD card

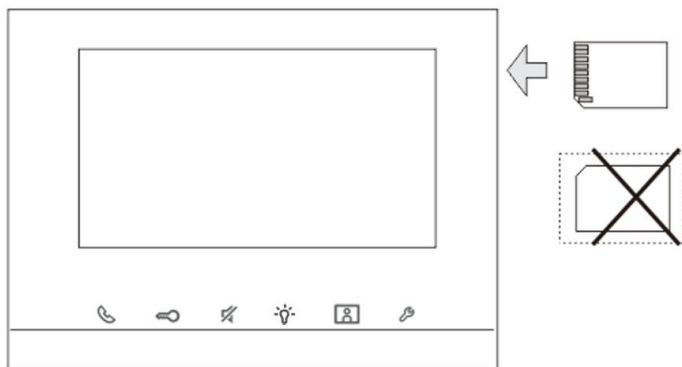


Fig. 17 Inserting the SD card

5.2.12 Settings

5.2.12.1 Overview

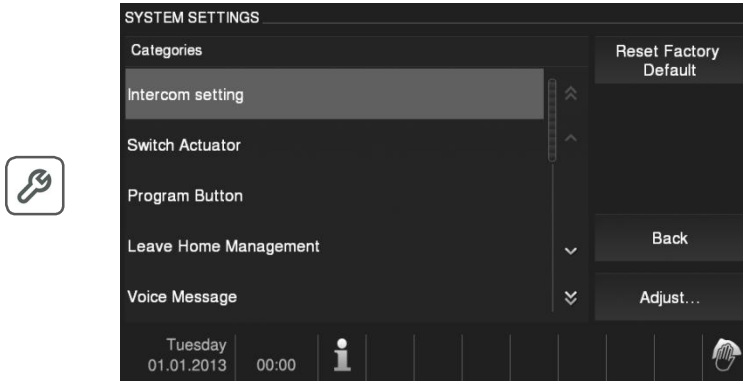


Fig. 18 Overview

Touch the “Settings” button, to make the following areas available:

No.	Functions
1	Intercom - Set intercom lists among different apartments or within the same apartment
2	Switch Actuator - Set the actuator list in the menu.
3	Program Button - Set functions for the program button.
4	Leave Home Management - Call forward setting: Set the target (e.g. other indoor stations or guard units) who you want to forward the call from visitors when you are not at home. - Message leaving: If you are not at home, you can record and leave a message before leaving home to notify possible visitors; and vice-versa.
5	Voice Message - Create voice messages for family members or set as an absence message to notify possible visitors.
6	Set Door Open Password - Set the customized door open password, which is available together with a keypad of an outdoor station.

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7	BlackList - Set the blacklist, which is used to prevent unwanted calls from other apartment(s)
8	Audio Settings - Set the ringtone for the outdoor stations, the doorbell and others; - Set the volume for the ringtone
9	Auto Unlock - Set the automatic unlock time range.
10	Display Settings - Different display settings.
11	Date and Time - Different time settings
12	Language - Set the local language
13	Set-up - Other settings, e.g. automatic snapshots
14	Firmware Update
15	Reset the Factory Default

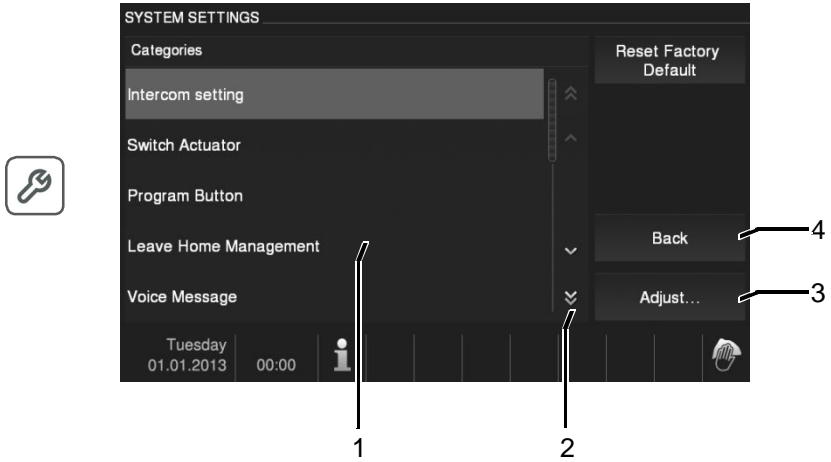


Fig. 19 Overview of settings

To turn to the setting areas of the list field (1), carry out the following steps:

No.	Function
1	To display the hidden functions, click on the scroll buttons (2).
2	Touch one of the setting areas.
3	Touch the button "Set" (3). <ul style="list-style-type: none"> - The device turns to the selected settings area. - The individual functions are described in the following chapters. - The device turns back to the start page when pressing the button "Back".
4	By tipping on this button you back to the start page.

5.2.12.2 Intercom

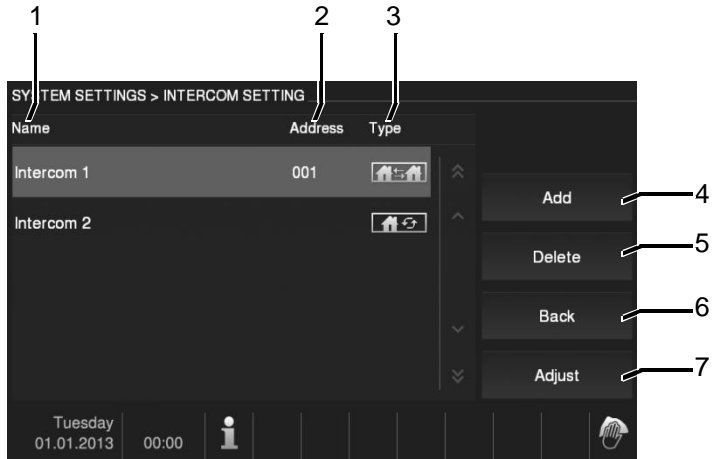


Fig. 20 Intercom

The “Intercom” menu has the following functions.



No.	Functions
1	The name of an intercom.
2	The address of an intercom.
3	The type of an intercom.  means an external intercom from different apartments. To make an external intercom, each apartment must have a master indoor station.  means an internal intercom from the same apartment.
4	Add - Add a new intercom list . A total of up to 32 intercom lists can be added.
5	Delete - Click on this button to delete an existing intercom entry. Finally, confirm the dialogue box displayed.
6	Back - Click on this button, so you can return to the system settings menu.
7	Adjust - Click on this button to edit the existing intercom.

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Pressing “Add” or “Adjust”

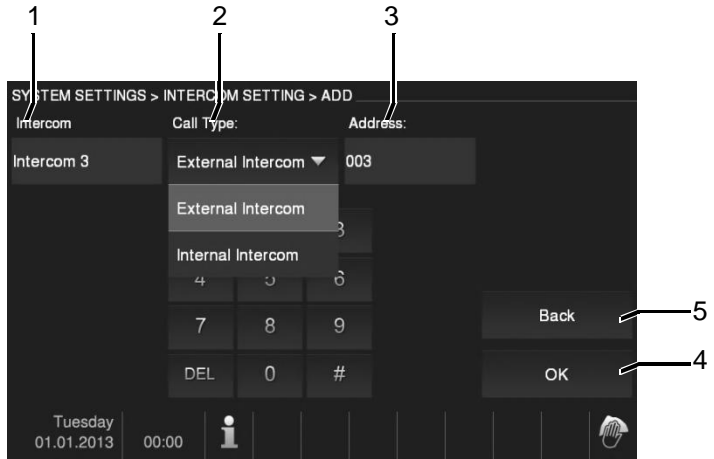


Fig. 21 Intercom

The “Intercom” has the following functions:

No.	Functions
1	- Click on the name box so you can edit the name.
2	- Change the call type through the fold-down menu.

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	<p>*External intercom” means a call from different apartments</p> <p>*Internal intercom” means a call from the same apartment</p>
3	<ul style="list-style-type: none">- Edit the address via the numeric keyboard, from 001 to 250.*If the call is an internal intercom, there is no need to set the target address.
4	<ul style="list-style-type: none">- Touch the “OK” button to activate the settings.
5	<ul style="list-style-type: none">- Touch the “Back” button, so you can return to the “ Intercom settings” menu without saving the settings.

5.2.12.3 Switch Actuator

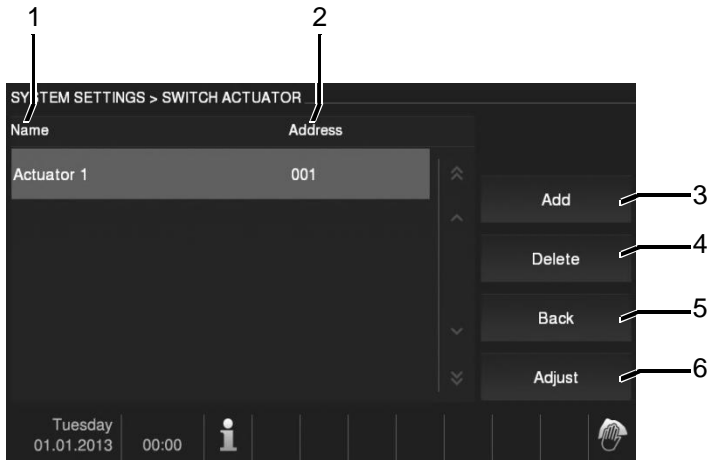


Fig. 22 Switch Actuator

The "Switch Actuator" has the following functions:

No.	Functions
1	Name of an actuator.
2	Address of an actuator.
3	Add - By touching the button you can add new actuator entry.
4	Delete - By tipping the button to delete an existing actuator. Finally confirm the dialogue box displayed.
5	Back - By touching the button you return to system settings.
6	Adjust - By touching the button you can edit the name and address.

Pressing "Add" or "Adjust"

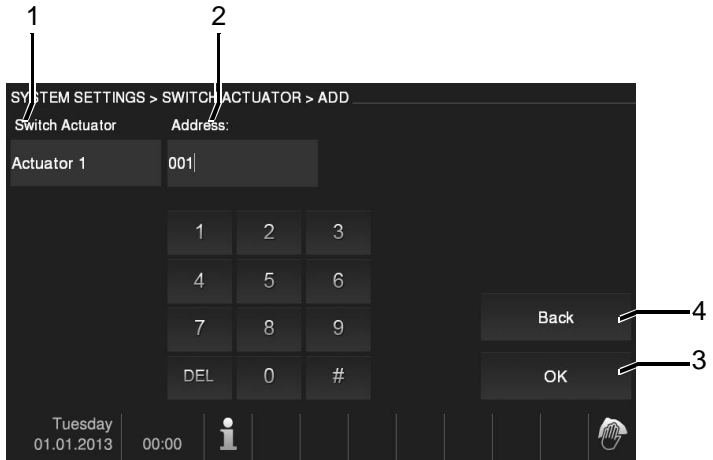


Fig. 23 Switch Actuator

The "Intercom" menu has the following functions:

No.	Functions
1	Click on this edit box to rename the relay actuator.
2	Edit the address via the numeric keypad, from 001 to 199.
3	Click on the "OK" button to activate the settings.
4	Click on the "Back" button, so you can return to the relay actuation settings menu without saving the settings.

5.2.12.4 Program button

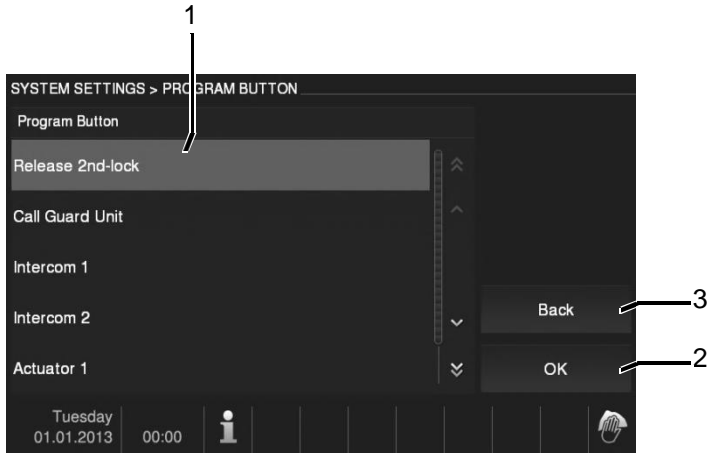


Fig. 24 Program button

The “Program button“ menu has the following functions:

No.	Functions
1	Set the functions for the program button, e.g. release the 2nd-lock, call to the guard unit, intercom call, enabling the switch actuator. *2nd-lock means a lock which is connected with an outdoor station (NC-NO-COM) *Only the existing intercom call list & switch actuator list can be assigned to the program button.
2	Click on this button to activate the settings.
3	Click on this button to return to the system settings menu without saving the settings.

5.2.12.5 Leave Home Management

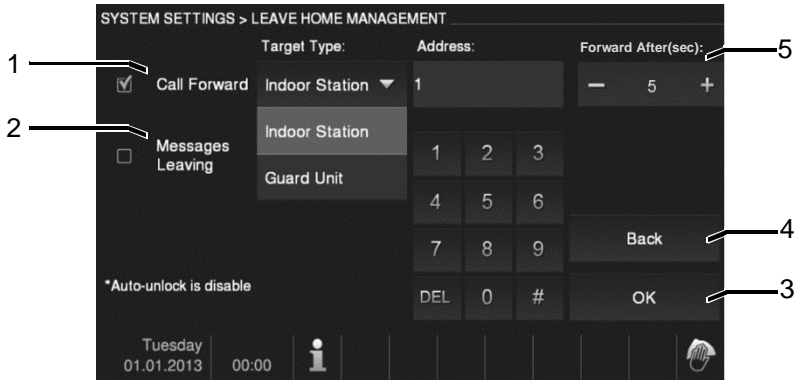


Fig. 25 Leave Home Management



Information about the settings

User can only choose “Call forward” or “Message leaving”. Two functions can’t be activated at the same time!

A warning will be given once “call transfer” or “Message Leaving” is activated.

The “Leave Home Management” menu has the following functions (The function only can be set in master indoor station):

No.	Functions
1	<p>Call Forward</p> <ul style="list-style-type: none"> - Tick the checkbox to activate or deactivate the call forward command. - Choose the target type through the fold-down menu. - Tick address numeric keyboard to edit the address if a call type comes from an indoor station. - If the call forward function is activated, the auto unlock function will be disabled.
2	<p>Message Leaving</p> <ul style="list-style-type: none"> - Tick the checkbox to activate or deactivate the call forward. - If the messages leaving function is activated, the auto unlock function will be disabled. <p>* Absence message must be set first . If no absence message is set, there will be a warning which prompts the users to set the absence message first in the “Voice Message” menu.</p>

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3	OK - Touch this button to activate the settings.
4	Back - Touch this button to return to the system settings menu without saving the settings.
5	Call forward time can be set from 1 to 30s.

5.2.12.6 Voice Message

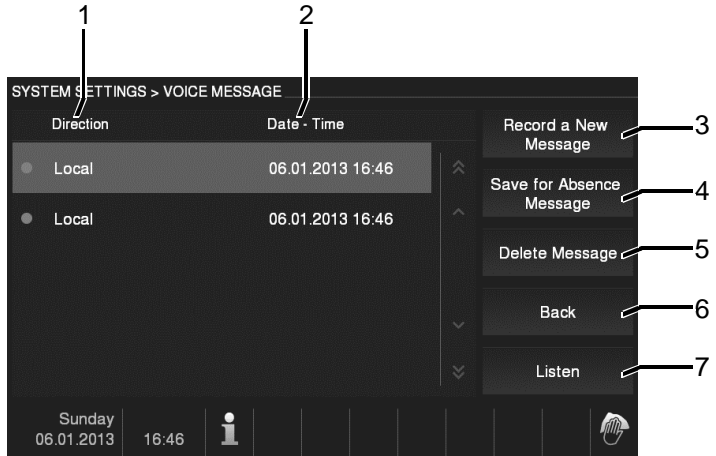


Fig. 26 Voice Message

In totally, 30 voice messages can be recorded.

The “Voice Message” menu has the following functions:

No.	Functions
1	Direction - Local messages: Message can be heard locally - Absence message: the message can be played for visitors when the “message leaving” function is activated.
2	Date - Time - The date and time when voice messages are created.
3	Record a New Message - Touch the button to create a new voice message.
4	Save for Absence Message - Set a selected voice message as the absence message
5	Delete Message - Click on this button to delete an existing voice message. Finally, confirm the dialogue box displayed.
6	Back - Touch the button to return to the system settings menu..
7	Listen

-Touch the button to play the voice message.

Choosing the “Record a New Message” to create a new voice message.

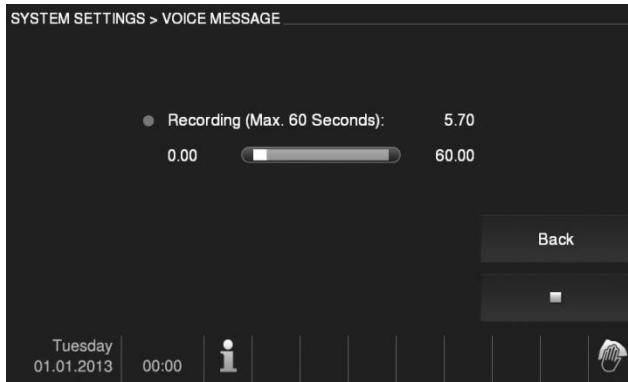


Fig. 27 Voice Message

Choosing “Listen”→“▶” to play a voice message.

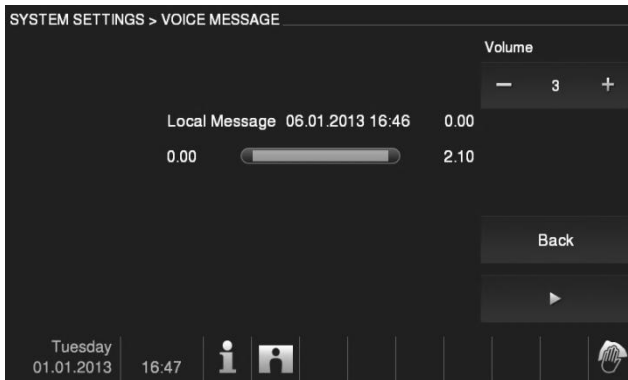


Fig. 28 Voice Message

5.2.12.7 Setting Door Open Password

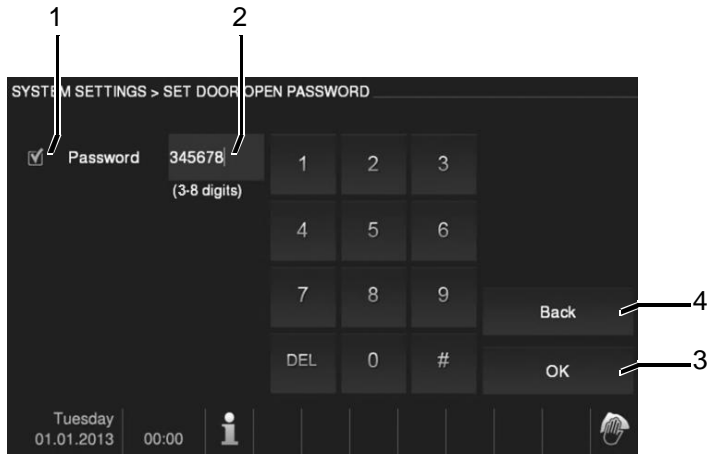


Fig. 29 Setting Door Open Password

The “Set Door Open Password” menu has the following functions (The function only can be set in master indoor station):

No.	Functions
1	Tick the checkbox to activate or deactivate the password function.
2	Set the password as you wish in 3-8 digits.
3	OK - Click on this button to activate the settings.
4	Back - Tick this button to return to the system settings menu.

*Available only with the keypad.

5.2.12.8 Black list

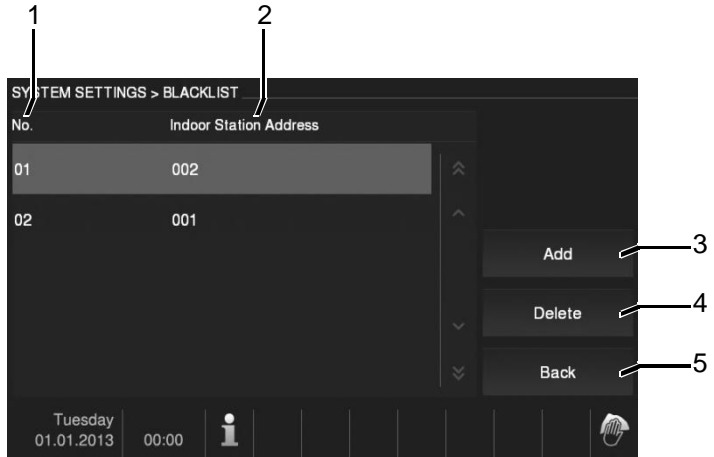


Fig. 30 Black list

The “Black List” menu has the following functions (The function only can be set in master indoor station):

No.	Functions
1	No. - The order of a list.
2	Indoor Station Address - Set the address of the target indoor station, from 001 to 250.
3	Add - Touch the button to add a new black list. - A total of up to 32 black lists can be added.
4	Delete - Touch the button to delete an existing black list. Finally, confirm the dialogue box displayed.
5	Back - Touch this button to return to the system settings menu.

5.2.12.9 Audio Settings

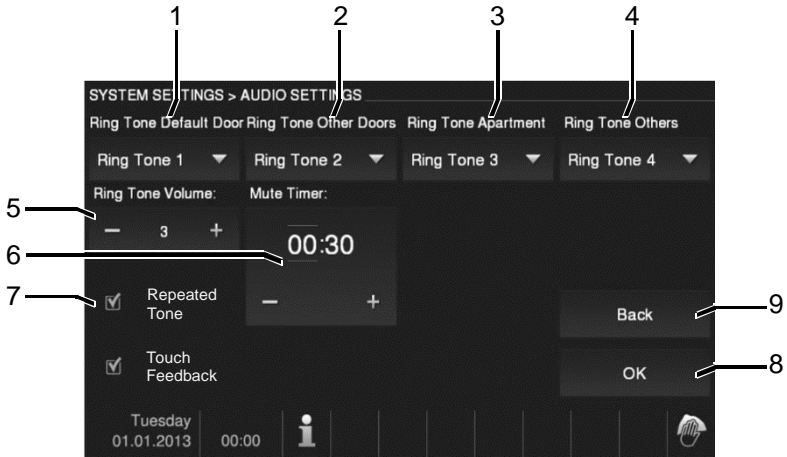


Fig. 31 Audio Settings

The “Black List” has the following functions:

No.	Functions
1	Bell sound for the default door - Select a bell sound for the default door by clicking on one of the buttons in the list field.
2	Bell sound for other doors - Select a bell sound for other doors by clicking on one of the buttons in the list field.
3	Bell sound for apartments - Select a bell sound for apartments by clicking on one of the buttons in the list field.
4	Bell sound for others - Select a bell sound for others by clicking on one of the buttons in the list field, e.g. a call from a guard unit, or an intercom call from other apartments.
5	Bell-sound volume - Set the volume of the bell sound with the “Plus / minus” buttons.
6	Mute timer

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	<ul style="list-style-type: none">- Use the " Plus / minus " buttons to set the time of the mute function which you activate with the "mute" button.- Before adjusting the "Hours" or "Minutes", the active range is highlighted with a frame.
7	<p>Repeated Tone</p> <ul style="list-style-type: none">- The ringtone can be set fixed or cycled. <p>Touch Feedback</p> <ul style="list-style-type: none">- Tick the checkbox to activate or deactivate the feedback tone which sounds when the display or the button is touched.
8	<p>OK</p> <ul style="list-style-type: none">- Touch this button to activate the settings.
9	<p>Back</p> <ul style="list-style-type: none">- Touch this button to return to the system settings menu.

5.2.12.10 Auto Unlock

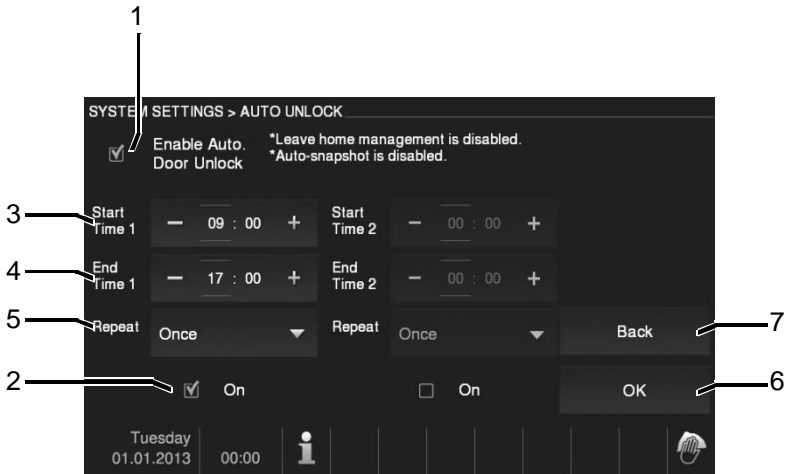


Fig. 32 Auto Unlock

The “Black List” menu has the following functions (The function only can be set in master indoor station):

No.	Functions
1	<p>Enable Auto Door Unlock</p> <ul style="list-style-type: none"> - Tick the checkbox to activate or deactivate the auto unlock. - When auto unlock is activated, the functions “leave home management” and “auto-snapshot” are disabled.
2	<p>On</p> <ul style="list-style-type: none"> - Activate or deactivate the time range when the automatic door opener is activated.
3	<p>Start Time</p> <ul style="list-style-type: none"> - Set the start time with the “Plus / minus” button when you activate the timer. - Before adjusting the “Hours” or “Minutes”, the active range is highlighted with a frame.
4	<p>End Time</p> <ul style="list-style-type: none"> - Set the end time with the “Plus / minus” button when you activate the timer.

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	<ul style="list-style-type: none">- Before adjusting the "Hours" or "Minutes", the active range is highlighted with a frame.
5	<p>Repeat</p> <ul style="list-style-type: none">- Set the repeat frequency with the fold-down menu when you activate the timer.- If you choose "Once", the function will be disabled after a period of time.- If you choose "Everyday", the function will be activated at the period of time everyday.- If you choose "Weekday", the function will be activated at the period of time only on weekdays (from Monday to Friday).
6	<p>OK</p> <ul style="list-style-type: none">- Touch this button to activate the settings.
7	<p>Back</p> <ul style="list-style-type: none">- Touch this button to return to the system settings menu without saving the settings.

5.2.12.11 Display Settings

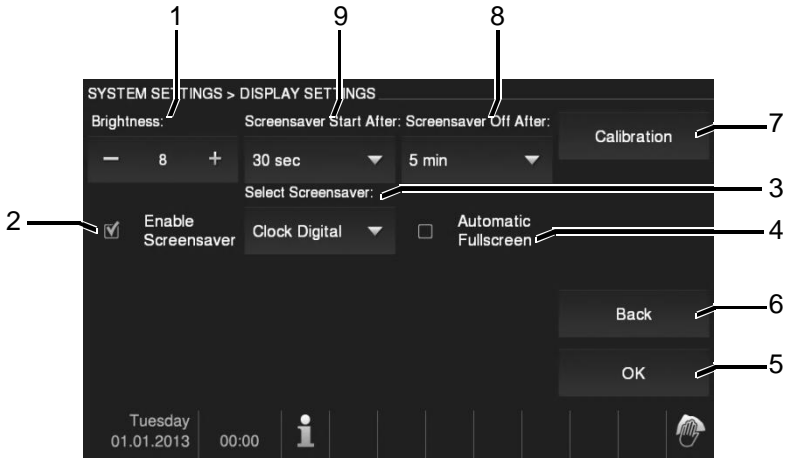


Fig. 33 Display Settings

The "Display Settings" menu has the following functions:

No.	Functions
1	<p>Brightness</p> <ul style="list-style-type: none"> - Set the brightness of the display with the "Plus / minus" buttons.
2	<p>Enable screensaver</p> <ul style="list-style-type: none"> - By tick the checkbox to activate or deactivate the screen saver.
3	<p>Select Screensaver</p> <ul style="list-style-type: none"> - The display is preset as digital clock - If an SD card with suitable pictures is located in the device, you can select a screen saver through the fold-down menu. If several pictures are stored in the SD card they are displayed as a slide show. <p>Slide show (electronic picture frame)</p> <ul style="list-style-type: none"> - Each picture appears for 20 seconds. <p>Picture requirements:</p> <ul style="list-style-type: none"> - The pictures must be stored in the SD card in the directory "DCIM" (Digital Camera Images) on the first level. - The maximum admissible size of a picture is 2048 x 1960 pixels. - The maximum admissible resolution of a picture is 800 x 480 pixels.

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	<ul style="list-style-type: none">- The resolution of the display is 800 x 600. Larger pictures will be reduced to this size.- The format supported is "jpg".
4	<p>Automatic Fullscreen</p> <ul style="list-style-type: none">- Activate or deactivate the full-page mode of the door camera by ticking the checkbox. The full-page mode remains active during the period when the picture of the visitor is shown after the door bell rings.
5	<p>OK</p> <ul style="list-style-type: none">- Click on this button to activate the settings.
6	<p>Back</p> <ul style="list-style-type: none">- Click on this button to return to the start page without saving the settings.
7	<p>Calibration</p> <ul style="list-style-type: none">- If the buttons and the associated graphics of the display are no longer superimposed, the monitor must be calibrated.- Click on the calibration button and then consecutively click on the 5 displayed position crosses. Finally confirm the dialogue box displayed. The display has been calibrated.
8	<p>Screen saver Off After</p> <ul style="list-style-type: none">- Select the active period for the screen saver via the fold-down menu until it switches off automatically.- Available for 5 / 15 / 30 minutes.- To protect the display the maximum operating time is limited to 30 minutes.
9	<p>Screen saver Start After</p> <ul style="list-style-type: none">- Select the start time for the screen saver via the fold-down menu.- Available for 30 / 60 / 120 seconds.

5.2.12.12 Date and Time

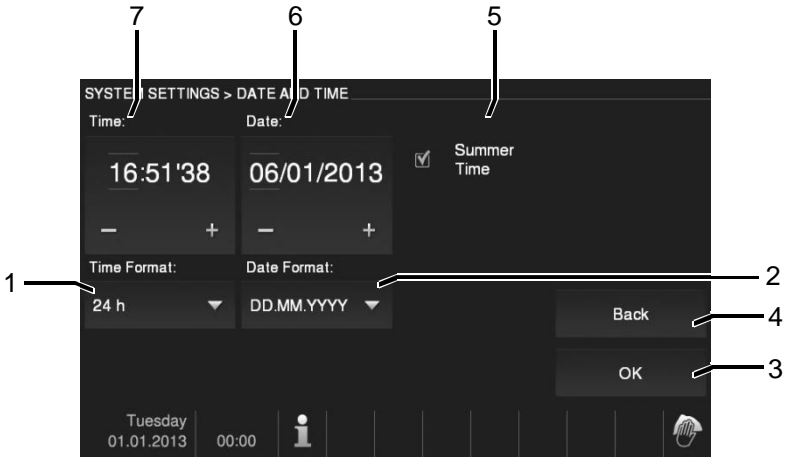


Fig. 34 Date and Time

The "Display Settings" menu has the following functions:

No.	Functions
1	Time - Select the format of the displayed time via the fold-down menu. - Available are 12 h am/pm / 24 h.
2	Date - Select the format of the displayed date via the fold-down menu.
3	OK - Click on this button to activate the settings.
4	Back - Click on this button to return to the start page without saving the settings.
5	Summer Time - Activate or deactivate during summertime by clicking on the checkbox (automatic switchover).
6	Date - Set the date via with "Plus / minus" buttons. - Before adjusting the "Day", "Month" or "Year". The active area is highlighted with a frame.
7	Time

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- | |
|--|
| <ul style="list-style-type: none">- Set the time with the "Plus / minus" buttons.- Before adjusting the "Hours", "Minutes" or "Seconds", the active area is highlighted with a frame. |
|--|
-

5.2.12.13 Camera List

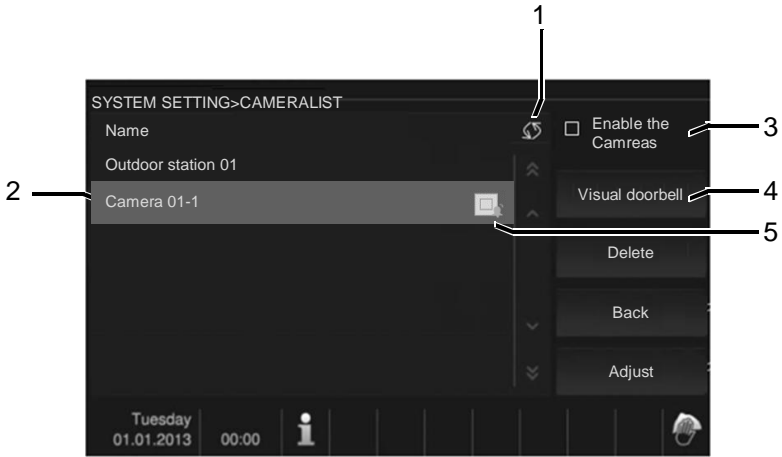


Fig. 35 Camera list

No.	Functions
1	Refresh camera list - To scan the cameras of Outdoor station or cameras from Camera interface and then form as camera list
2	Name of camera
3	Enable/disable camera list
4	Visual doorbell If the camera connected to Camera interface is associated with Indoor station, here to activate "Visual doorbell" function When press the level push button, the image from the camera connected to Camera interface will display on the Indoor station.
5	When the camera is set as "visual doorbell", this icon will display to show the status, only one camera can be set "visual doorbell"

5.2.12.14 Language

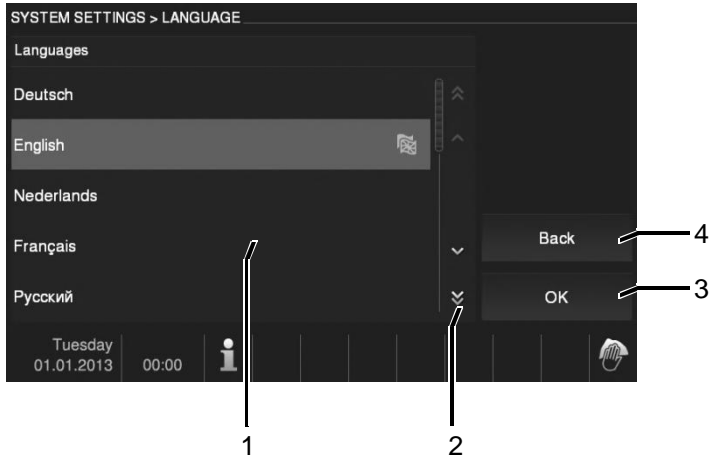


Fig. 36 Language

The "Language" menu has the following functions:

No.	Functions
1	Language (list field) - Here the languages available are listed
2	Scroll - To display the hidden languages, tick the scroll boxes.
3	OK Tick this button to activate the settings.
4	Back - Tick this button to return to the start page without saving the settings.

5.2.12.15 Setup

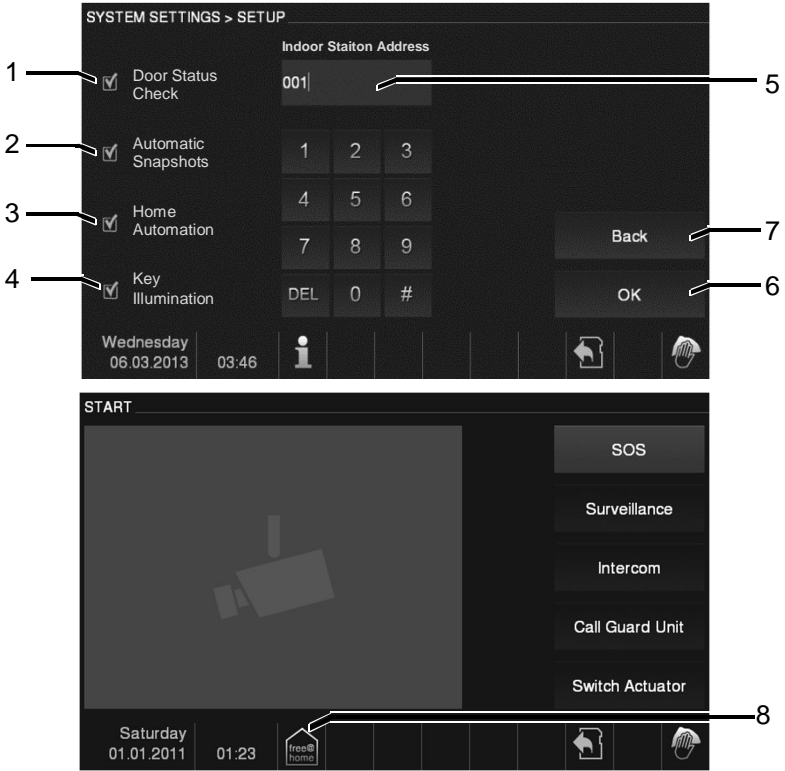


Fig. 37 Setup

The "Set-up" menu has the following functions:

No.	Function
1	Door status Check - Tick the checkbox you activate or deactivate the door status check. If activating the function, the outdoor station with a sensor installed will send alarm signal to indoor station when the door is open over time.
2	Automatic Snapshots - When the bell is pressed, three snapshots are automatically taken and stored in the History. - This function can only be activated when the automatic door opener is deactivated. Otherwise, too many snapshots would be stored during busy periods.
3	Home Automation This option is enabled to use the function of free@home
4	Key Illumination - Tick the checkbox to activate or deactivate the key illumination. If activating the function, the key will be illuminated during operation. Or else, the key illumination will be off all the time.
5	Indoor Station Address - This option is enabled only when the last two rotary switches of IS are set as "00", and it can be set from 001 to 250.
6	OK - By tipping on this button you activate the settings.
7	Back - By tipping on this button you return to the start page without saving the settings.
8	free@home icon When we enable the option of "Home Automation" and connect to the devices of free@home system, this icon will appear on the main screen. Press this icon will enter the main screen of free@home

***) free@home:**

Commissioning is always carried out via the Web-based surface of the System Access Point.

The System Access Point establishes the connection between the free@home participants and the smartphone, tablet or PC. It is used to identify and program the participants during commissioning.

Devices which are physically connected to the free@home bus, log themselves automatically into the System Access Point. They transmit information about their type and supported functions.

In the panel configuration the buttons of the ABBfree@homeTouch 7" can be freely equipped.

All panels in the system and the favourites bar can be selected from the bottom selection bar.

Important: Only panels appear that have been previously positioned on the floor plan under commissioning step "Allocation"!

The allocated actuator channels can be positioned on the panel via drag-and-drop from the list view.

After the confirmation the configuration is taken over and becomes visible on the device after a few seconds.



Note

General information about commissioning and parameterization is available in the technical reference manual and the online Help of the System Access Point.

5.2.12.16 Firmware Update

If the firmware for your device is to be updated, carry out the following steps:

1. Get the new version of firmware from your electrical installer, and copy it into a SD-card.
2. Insert the SD-card into the card slot on your indoor station.
3. Select "Firmware Update"
4. Execute the firmware updated by selecting "Updating"
5. Confirm the popup with "yes".

The firmware updates are made available on the Internet at www.buschjaeger.com

If the firmware for your device is to be updated, carry out the following steps:

1. On page www.busch-jaeger.com enter the article number of the device in the "Search" section.
 - The page changes to the area of the device.
 - If an update for the firmware is available, it is ready for downloading in this area.
 - The package for downloading includes the firmware and instructions on how to install the firmware.
2. Install the firmware according to the downloaded instructions.

5.3 Cleaning



Caution

Risk of damage to the screen surface.

The screen surface can be damaged by hard or sharp objects!

Never use such objects for entries on the touch screen monitor.

- Use your finger or a plastic stylus.

The screen surface can be damaged by cleaning fluids or abrasive agents!

- Clean the surfaces using a soft cloth and commercially available glass cleaner.
- Never use abrasive cleaning agents.

5.4 Adjusting the device

5.4.1 Terminal resistor

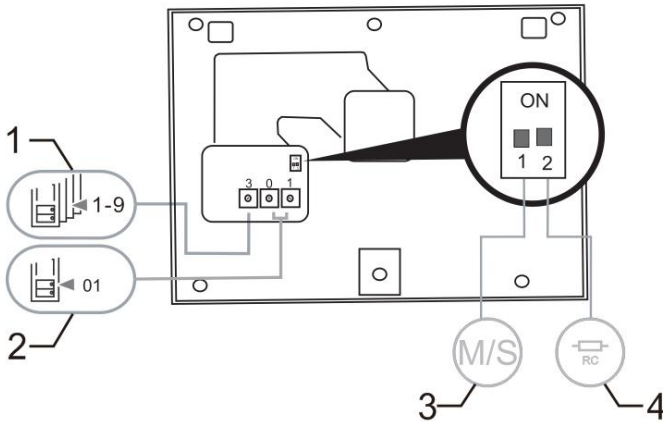


Fig. 38:

No.	Functions
1	Station Selector switch to set the address of default outdoor station.
2	X10 X1 Selector switches to set the address (tens and units digits) of the indoor station. Setting hundreds digits need to enter system menu.
3	Master /Slave function Only one indoor station in each apartment must be set as "Master" (Switch should be set as 'M/S on'). All additional indoor stations in the same apartment must be set as "Slave" (Switch should be set as 'M/S off').
4	Terminal resistor In video installations or mixed audio and video installations, the Switch must be set as 'RC on' on the last device of the line.

5.4.2 Connection

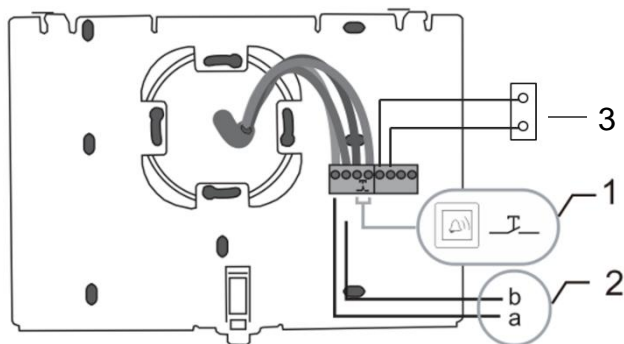


Fig. 39:

No.	Functions
1	Connection for the door bell push-button
2	<ul style="list-style-type: none">• Connection for the system controller• When using several indoor stations: connection for the internal bus
3	Connection for free@home system

6 Technical data

6.1 Main overview

Designation	Value
Display resolution:	800 x 480
Display size:	17.8 cm (7")
Operating temperature	-10 °C - +55 °C
Storage temperature	-40 °C - +70 °C
Protection	IP 30
Single-wire clamps	2 x 0.28 mm ² - 2 x 0.75 mm ²
Fine-wire clamps	2 x 0.28 mm ² - 2 x 0.75 mm ²
Bus voltage	20-30 V
Size	155 mm x 218 mm x 29 mm

6.2 Dimensions



Note...
All dimensions are specified in mm.

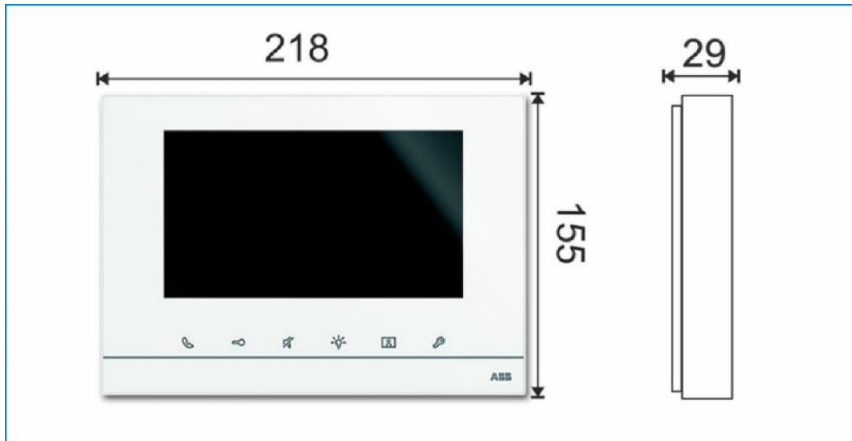


Fig. 40 Dimensions

7 Mounting / Installation



Warning

Electric voltage!

Dangerous currents flow through the body when coming into direct or indirect contact with live components.

This can result in electric shock, burns or even death.

- » Disconnect the mains power supply prior to installation and/or disassembly!
- » Permit work on the 110-240 V supply system to be performed by specialist staff.

7.1 Requirements for the electrician



Warning

Electric voltage!

Install the device only if you have the necessary electrical engineering knowledge and experience.

- Incorrect installation endangers your life and that of the user of the electrical system.
- Incorrect installation can cause serious damage to property, e.g. due to fire.

The minimum necessary expert knowledge and requirements for the installation are as follows:

- Apply the "five safety rules" (DIN VDE 0105, EN 50110):
 1. Disconnect from power;
 2. Secure against being re-connected;
 3. Ensure there is no voltage;
 4. Connect to earth;
 5. Cover or barricade adjacent live parts.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.

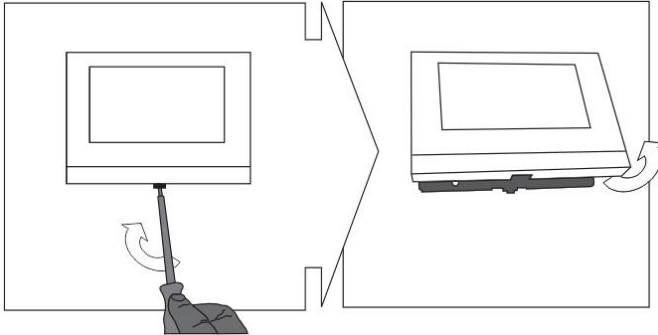
- Check the type supply network (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective earthing, necessary additional measures, etc.).

7.2 General installation instructions

- Terminate all branches of the wiring system via a connected bus device (e.g., indoor station, outdoor station, system device).
- Do not install the system controller directly next to the bell transformer and other power supplies (to avoid interference).
- Do not install the wires of the system bus together with 100-240 V wires.
- Do not use common cables for the connecting wires of the door openers and wires of the system bus.
- Avoid bridges between different cable types.
- Use only two wires for the system bus in a four-core or multi-core cable.
- When looping, never install the incoming and outgoing bus inside the same cable.
- Never install the internal and external bus inside the same cable.

7.3 Mounting

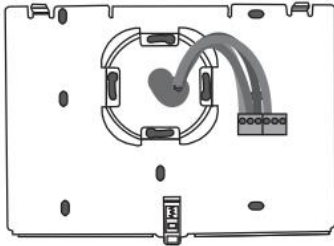
Dismantling



Open the housing of the panel by pulling the clamp at the bottom of the device.

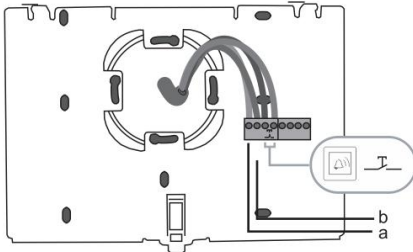
Mounted on the wall or flush-mounted box

4x 



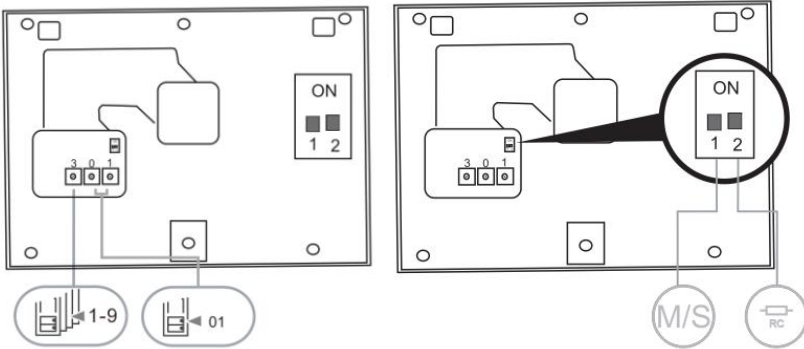
Fix the bottom of the device directly on a level wall surface or on an flush-mounted socket according to DIN 49073-1.

Wiring



Connect the bottom part of the device according to the graphics (see chapter "[Connection](#)").

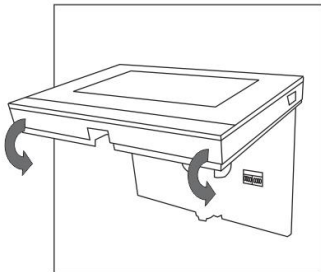
Setting



Set the address of the preferred outdoor stations and the address of the indoor station on the rotary switches.

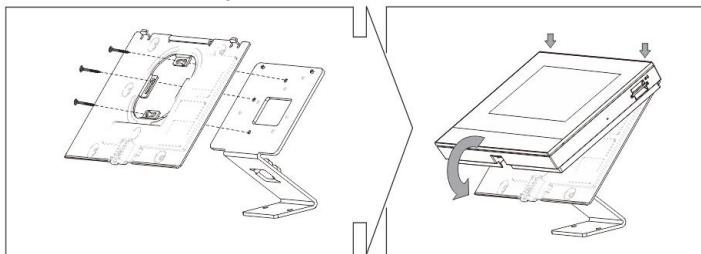
Set the master/slave function and the terminal resistor on the switches at the rear of the top part of the housing (see chapter "[Terminal Resistor](#)").

Latch the device



Latch the upper part of the device onto its bottom part: place the upper side of the device on the lock-in lugs and then press the bottom side onto the bottom part of the device until it is caught by the clamp.

Mounted with desktop bracket



1. Fix the bottom of the device to the desktop bracket.
2. Latch the upper part of the device onto its bottom part. To do this, place the upper side of the device on the lock-in lugs and then press the bottom side onto the bottom part of the device until the it is caught by the clamp.

The installation of the indoor station is now complete.

ABB-Welcome

Notice

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