



ABB DOOR ENTRY & ACCESS CONTROL SYSTEMS 2024

Welcome IP 2.0

Webinar – September 2024

Welcome IP



IP-BASED DOOR ENTRY COMMUNICATION SYSTEM, OFFERING A COMFORTABLE AND SAFE METHOD OF ENTERING BUILDINGS WITH AN INTEGRATED, INTUITIVE SOLUTION.



**SIMPLIFIED WEB BASED COMMISSIONING
OPEN APIS
REMOTE MAINTENANCE**



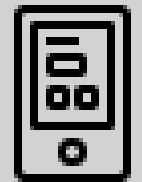
SMART HOME INTEGRATIONS



VIDEO QUALITY



VIRTUALLY UNLIMITED NUMBER OF DEVICES FOR THE MOST DEMANDING INSTALLATIONS






REMOTE DOOR CALL WITH ALL PANELS

AGENDA

- IP System Overview
- IP 2.0 Launch Overview
 - New System Architecture
 - Additional implementations
 - September Release additional implementations
- IP 2.0 Explained
 - New System Architecture
 - Additional implementations
 - September Release additional implementations
- Workshop & Q&A Session

Welcome IP Key Facts

The best technology for the most demanding needs

	Welcome IP
Cabling	
Main Applications	
Maximum size per building	Up to 2000 units
Video quality	
Integrations	SIP, Local & Cloud APIs ONVIF IP Cameras
Connectivity	Mobile door call via APP Software updates Remote maintenance
Best for	Villa, Mid to large size New buildings



Touch Panels

Overview



New UI

IP Touch 10"

IPS Touch Display



Remote
Door Call



KNX
over IP



free@home
over IP



New UI

IP Touch 7"

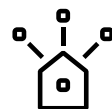
IPS Touch Display



Remote
Door Call



KNX
over IP



free@home
over IP



New

IP Touch Lite 7"

IPS Touch Display



Remote
Door Call

Outdoor stations

Overview



**IP Outdoor Station
Touch 5"**

- Only IP
- Card Keypad QR Code
- Touch



**Modular
Outdoor Station**

- IP and 2-wire
- Modular to fit all installations



**Family
Outdoor Station**

- IP and 2-wire
- Card
- 1-2-3 pushbuttons



**Mini
Outdoor Station**

- IP and 2-wire
- Card
- 1-2 pushbuttons

Welcome IP

System components & others



IP Audio Handset

Handset indoor station with 6 buttons.

Big 4 preset operation button with unlock, intercom, light switch, mute function and 2 additional customizable buttons via SmartAP



IP Actuator

Connecting electrical door opener or hall light directly

Easy to adjust the switching duration of unlock or the switching of light



IP Guard Unit

The guard unit with desktop design provides access to various services using the intuitive UI menu on the touch screen.

- Establish surveillance to outdoor station or IP camera
- Release all doors or dedicated doors in case of emergency



IP Elevator controller

Linked to the intercom system, it restricts access to select floors of the building for guest/non-residents



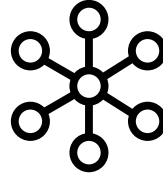


Welcome IP 2.0 Launch Overview

Welcome IP 2.0

New System Architecture

 Reboot to simplicity



ONE NETWORK SYSTEM

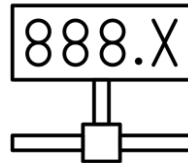
Welcome IP devices all connected to the same switches, as simple as that



SINGLE HOME WIZARD

Simplified commissioning and no access point required!

2.0



SIMPLIFIED IP ADDRESSING

New modes available:
Dynamic Addressing, ABB Legacy, Static



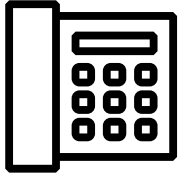
CUSTOMIZABLE SET UP

Grouping and Forwarding
Call features for Indoor Stations and Guard Units.



Welcome IP 2.0

Additional implementations



SIP SUPPORT

Integrate SIP Clients into our Welcome IP system and our devices as SIP clients



OPEN APIs

Integrability with 3rd Party systems via Cloud (Developers Portal), or locally (partnership).

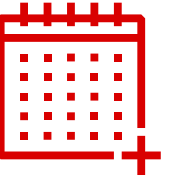


PRO SERVICE PORTAL

Remote maintenance functionality for Smart AP Pro is now available

Welcome IP 2.0

September Release additional implementations



GROUPING

This feature allows to call a group of Indoor Stations, independently of their mode, apartment location and type, as long as they all belong to the same Building System.



TRUST ALL BUTTON

The Trusting Devices function has been now simplified: just by clicking 1 button the devices in the system will be able to trust each others with no additional steps.

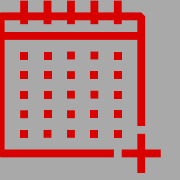


FORWARDING

This feature is available for indoor stations and guard units. It allows the call destined to one Guard Unit or indoor station to be redirected to a determined alternative unit, directly, in specific time slots, or in case of missing answer within a selected time.

IP Touch

New UI available



IP Touch 7 and 10

now join the rest of the family

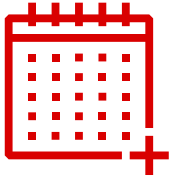


New UI now available for all new IP Touch panels.

For existing installations, it will be possible to update to new UI by resetting all data and by uploading the new software by SD card (by end of October).

IP Touch

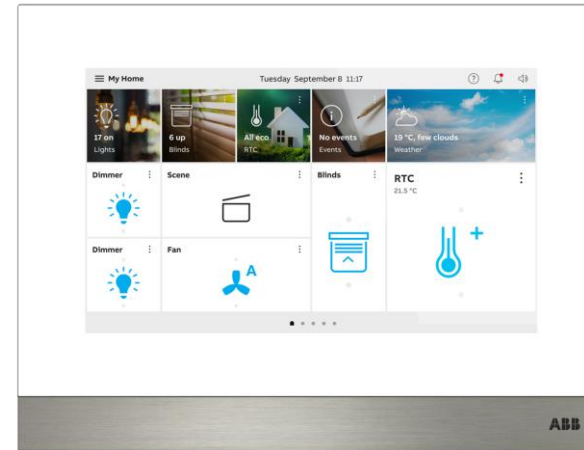
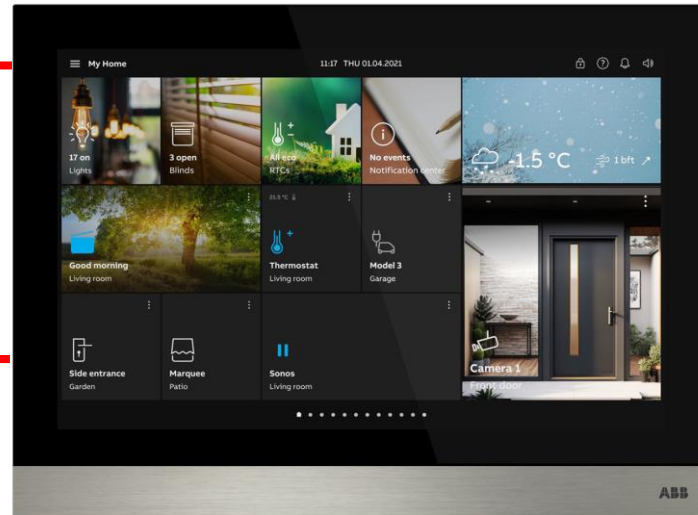
New UI available



Customizable dashboard with widgets



Editable smart home and door entry controls



Light and dark modes



Wizards and easy to use settings

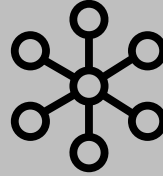


Welcome IP 2.0 - Explained

Welcome IP

New System Architecture

 Reboot to
simplicity



ONE NETWORK SYSTEM

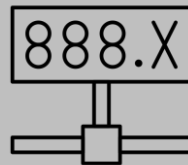
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SIMPLIFIED IP ADDRESSING

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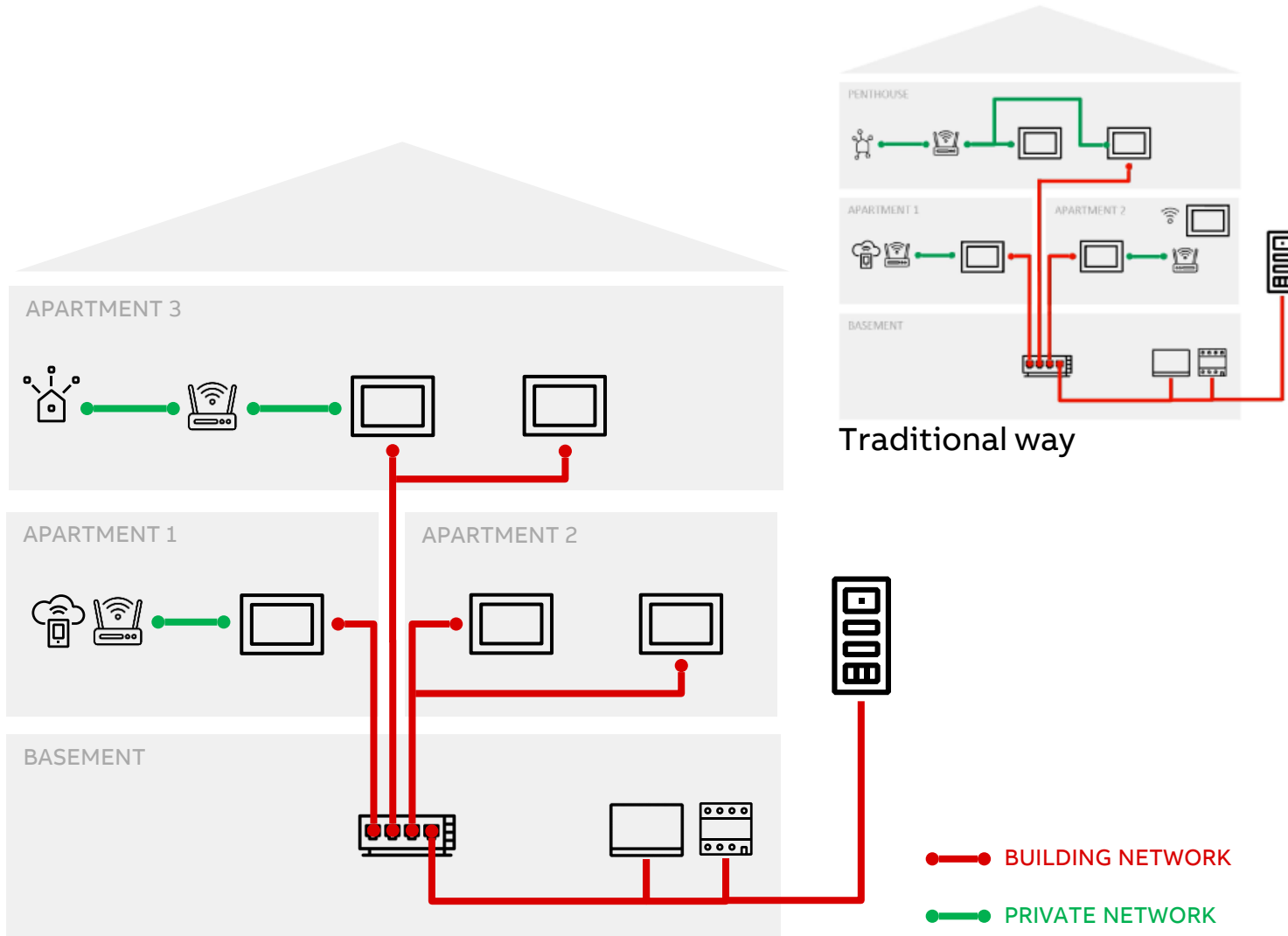
CUSTOMIZABLE SET UP

Grouping and Forwarding
Call features for Indoor
Stations and Guard Units.



ONE NETWORK SYSTEM

Explained

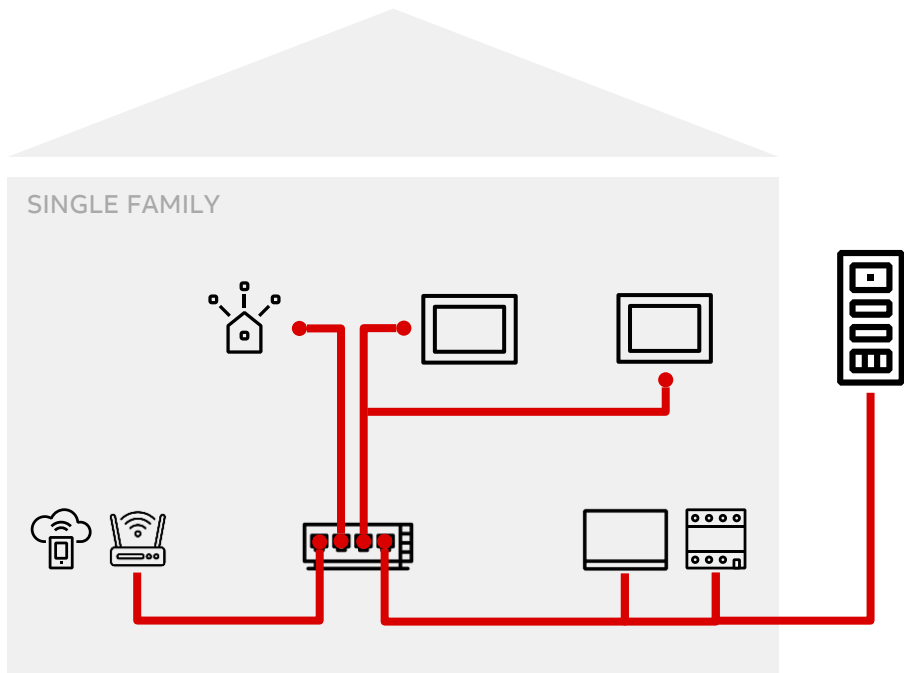


ONE NETWORK SYSTEM

Welcome IP devices all connected to the same switches, as simple as that

ONE NETWORK SYSTEM

Explained



●—● BUILDING NETWORK

●—● PRIVATE NETWORK



ONE NETWORK SYSTEM

Welcome IP devices all connected to the same switches, as simple as that

SIMPLIFIED IP ADDRESSING

Explained

Edit IP Addressing

Connection preferences:

LAN 1 LAN2/ WIFI Disable

Addressing preferences:

DHCP (Default) ABB Legacy Static customizable address

IP address 123.456.789.001	Network mask 123.456.789.002
Default gateway 123.456.789.003	DNS 123.456.789.004

Save & close



SIMPLIFIED IP ADDRESSING

New modes available:
Dynamic Addressing, ABB
Legacy, Static

SIMPLIFIED IP ADDRESSING

Explained

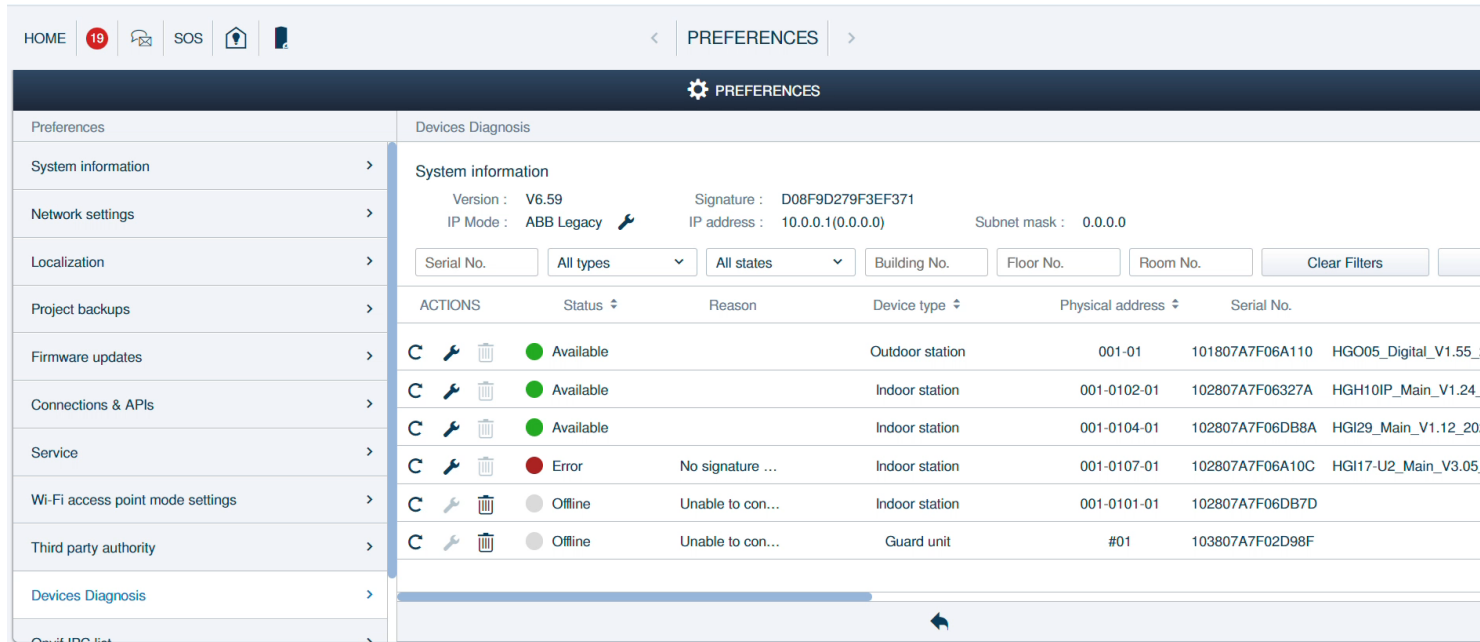


SIMPLIFIED IP ADDRESSING

New modes available:
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Legacy, Static

SIMPLIFIED IP ADDRESSING



















Explained



The screenshot displays the 'PREFERENCES' section of the ABB system interface. The left sidebar contains a navigation menu with items like 'System information', 'Network settings', 'Localization', 'Project backups', 'Firmware updates', 'Connections & APIs', 'Service', 'Wi-Fi access point mode settings', 'Third party authority', and 'Devices Diagnosis'. The main content area is titled 'PREFERENCES' and includes a 'System information' section with the following details:

- Version : V6.59
- Signature : D08F9D279F3EF371
- IP Mode : ABB Legacy
- IP address : 10.0.0.1(0.0.0.0)
- Subnet mask : 0.0.0.0

Below the system information is a filter section with input fields for 'Serial No.', 'All types', 'All states', 'Building No.', 'Floor No.', and 'Room No.', along with a 'Clear Filters' button. The main part of the interface is a table with the following columns: 'ACTIONS', 'Status', 'Reason', 'Device type', 'Physical address', and 'Serial No.'. The table contains several rows of device data:

ACTIONS	Status	Reason	Device type	Physical address	Serial No.
  	Available		Outdoor station	001-01	101807A7F06A110 HGO05_Digital_V1.55_20
  	Available		Indoor station	001-0102-01	102807A7F06327A HGH10IP_Main_V1.24_2
  	Available		Indoor station	001-0104-01	102807A7F06DB8A HGI29_Main_V1.12_2024
  	Error	No signature ...	Indoor station	001-0107-01	102807A7F06A10C HGI17-U2_Main_V3.05.2
  	Offline	Unable to con...	Indoor station	001-0101-01	102807A7F06DB7D
  	Offline	Unable to con...	Guard unit	#01	103807A7F02D98F

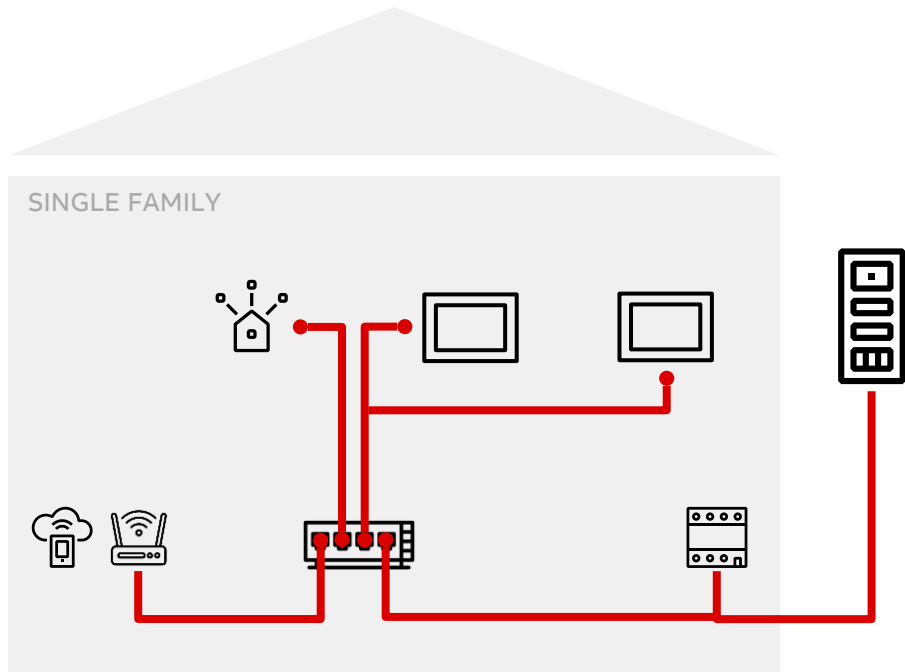


SIMPLIFIED IP ADDRESSING

New modes available:
Dynamic Addressing, ABB
Legacy, Static

SINGLE HOME WIZARD

Explained



- 1 OS
- 1 Master + additional 3 panels
- 1 IP Actuator



SINGLE HOME WIZARD

Simplified commissioning
and no Smart Access Point
required

SINGLE HOME WIZARD

Explained

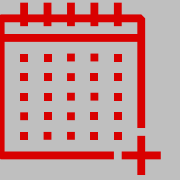


SINGLE HOME WIZARD

Simplified commissioning
and no Smart Access Point
required

Customizable set up

September Release additional implementations



GROUPING CALL

This feature allows to call a group of Indoor Stations, independently of their mode, apartment location and type, as long as they all belong to the same Building System.



TRUST ALL BUTTON

The Trusting Devices function has been now simplified: just by clicking 1 button the devices in the system will be able to trust each others with no additional steps.

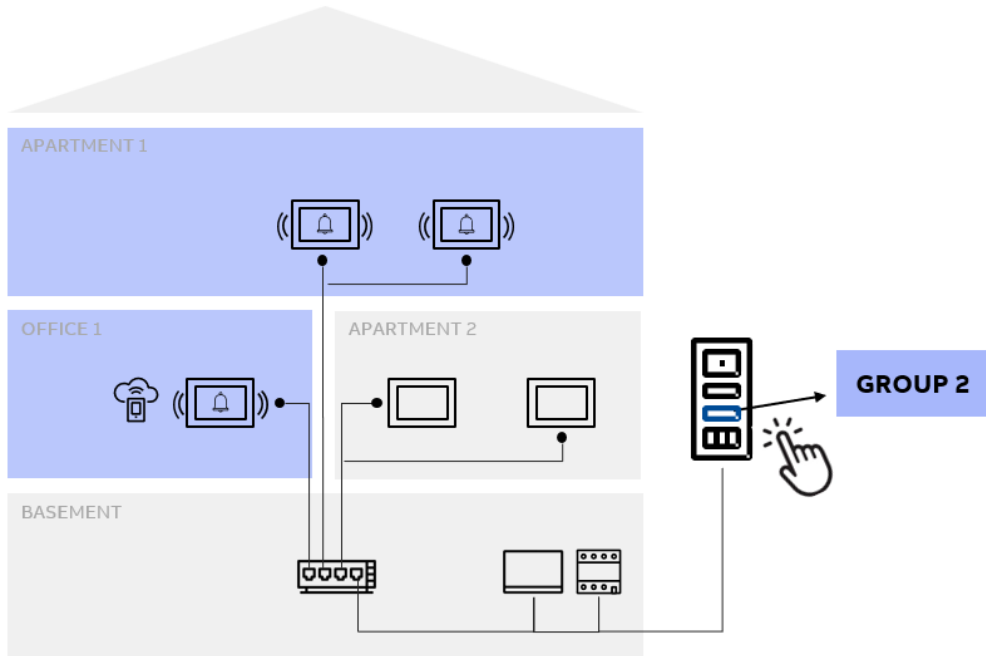


FORWARDING CALL

This feature is available for indoor stations and guard units. It allows the call destined to one Guard Unit or indoor station to be redirected to a determined alternative unit, directly, in specific time slots, or in case of missing answer within a selected time.

GROUPING FUNCTION

Explained



GROUPING FUNCTION

This feature allows to call a group of Indoor Stations, independently of their mode, apartment location and type, as long as they all belong to the same Building System.

GROUPING CALL FEATURE

Explained

The screenshot displays a web-based interface for a 'DOOR ENTRY SYSTEM'. At the top, there are navigation icons for HOME, a notification bell with '22', SOS, and a home icon. Below this is a breadcrumb trail: < DOOR ENTRY SYSTEM >. The main interface is divided into two columns. The left column has a dark header with 'INDOOR STATIONS', 'TRUST ALL', 'GROUPING', and 'ADD DEVICE'. Below the header is a search bar and a list of devices. The first device is 'IP touch 10"', with a sub-entry 'Building1' and a circular icon containing a monitor. Below it is 'Apartment 1,10"'. The second device is 'IP Touch Lite 7', with a sub-entry 'Building1' and a similar circular icon, followed by 'Apartment 3,Lite'. The third device is 'Audio Indoor Station' with a sub-entry 'Building1'. At the bottom of the left column is a horizontal menu with icons and labels: 'Outdoor station', 'Indoor station' (highlighted in blue), 'IP actuator', 'Guard unit', and 'Elevator controller'. The right column has a dark header 'LIST VIEW' and a list of items: 'Video Indoor Station', 'Apartment 1,10" >', 'Apartment 3,Lite >', 'Audio Indoor Station', and 'Apartment 2,Audio >'. A vertical scrollbar is visible between the two columns.

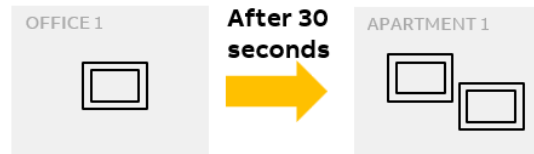
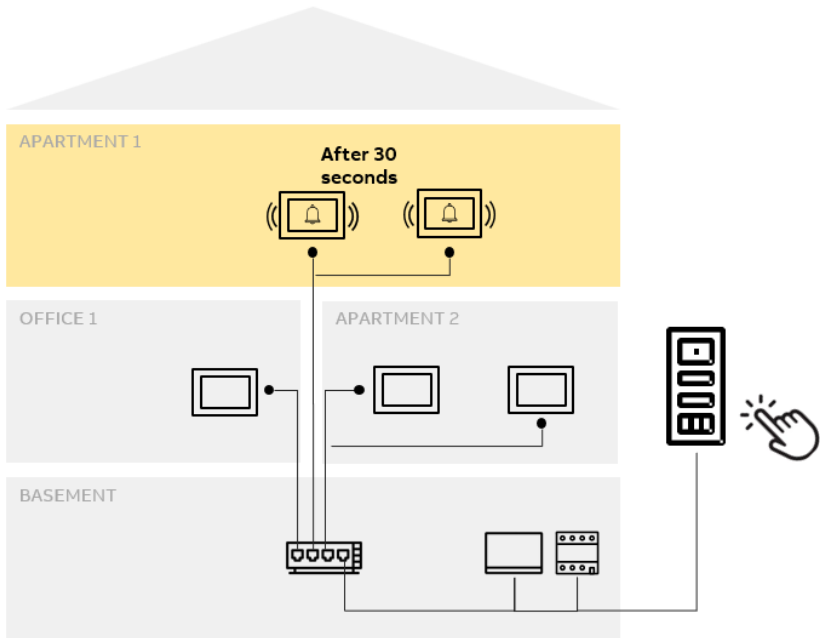


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FORWARD CALL - INDOOR STATIONS

Explained



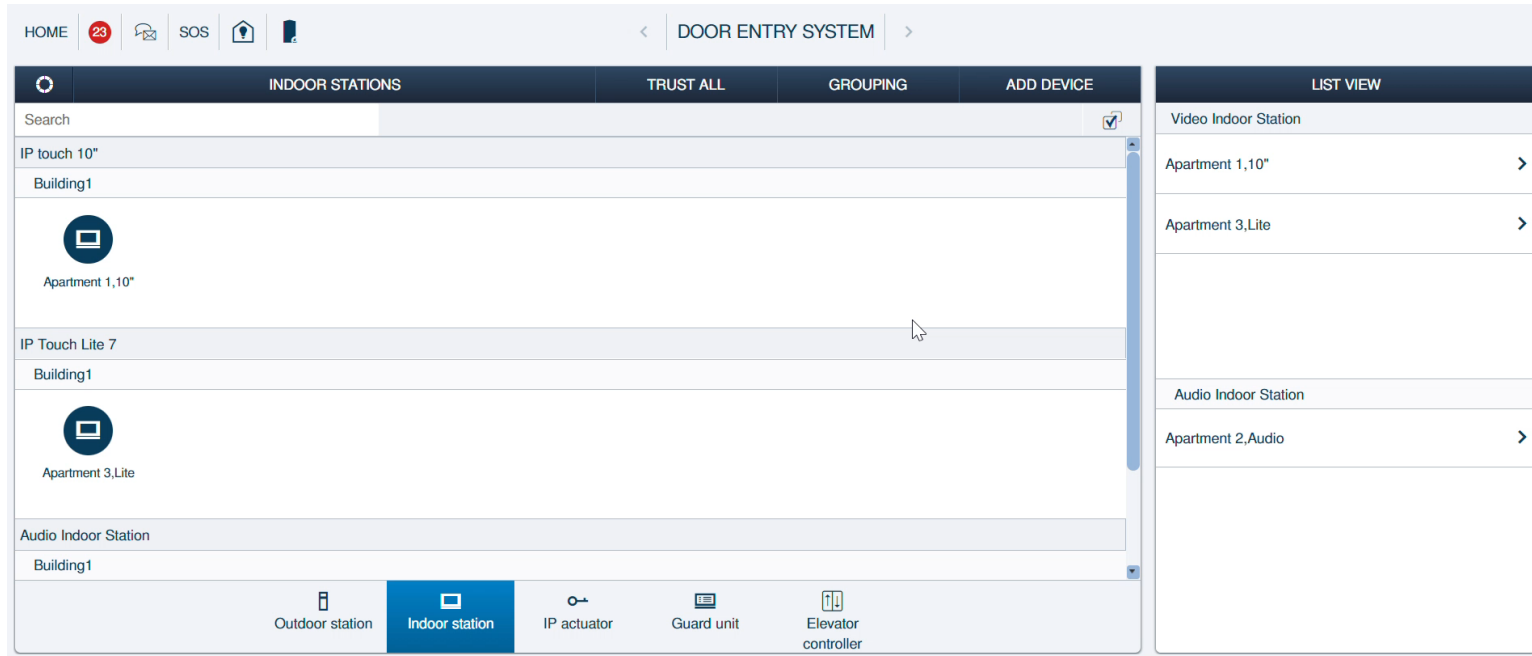
FORWARDING CALL

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It allows the call destined to one Guard Unit or indoor station to be redirected to a determined alternative unit, directly, in specific time slots, or in case of missing answer within a selected time.

FORWARD CALL - INDOOR STATIONS

Explained



The screenshot displays a security management interface for a 'DOOR ENTRY SYSTEM'. The top navigation bar includes 'HOME', a notification icon with '23', 'SOS', and a home icon. Below this, the system name 'DOOR ENTRY SYSTEM' is centered. The main interface is divided into two panels. The left panel, titled 'INDOOR STATIONS', has sub-sections for 'TRUST ALL', 'GROUPING', and 'ADD DEVICE'. It features a search bar and a list of devices: 'IP touch 10*' (Building1, Apartment 1,10*), 'IP Touch Lite 7' (Building1, Apartment 3,Lite), and 'Audio Indoor Station' (Building1). A bottom navigation bar shows icons for 'Outdoor station', 'Indoor station' (selected), 'IP actuator', 'Guard unit', and 'Elevator controller'. The right panel, titled 'LIST VIEW', shows a list of devices: 'Video Indoor Station', 'Apartment 1,10*' (with a right arrow), 'Apartment 3,Lite' (with a right arrow), 'Audio Indoor Station', and 'Apartment 2,Audio' (with a right arrow).



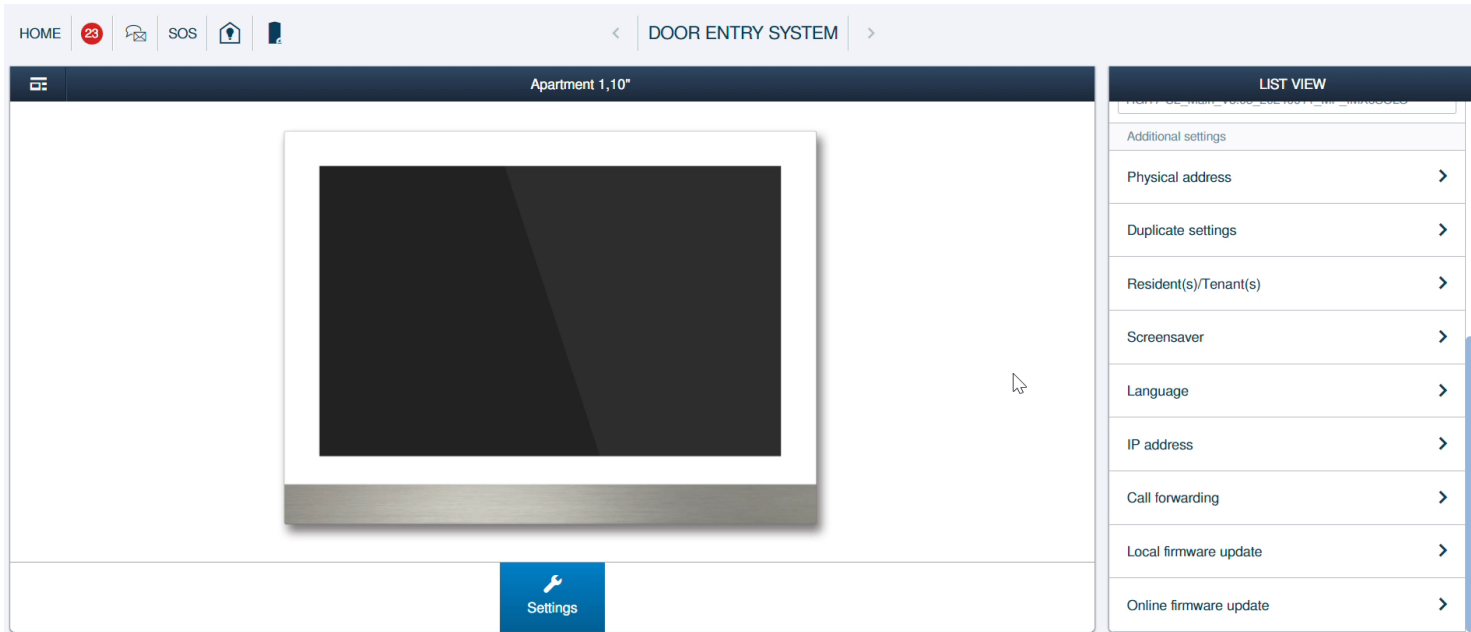
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Explained



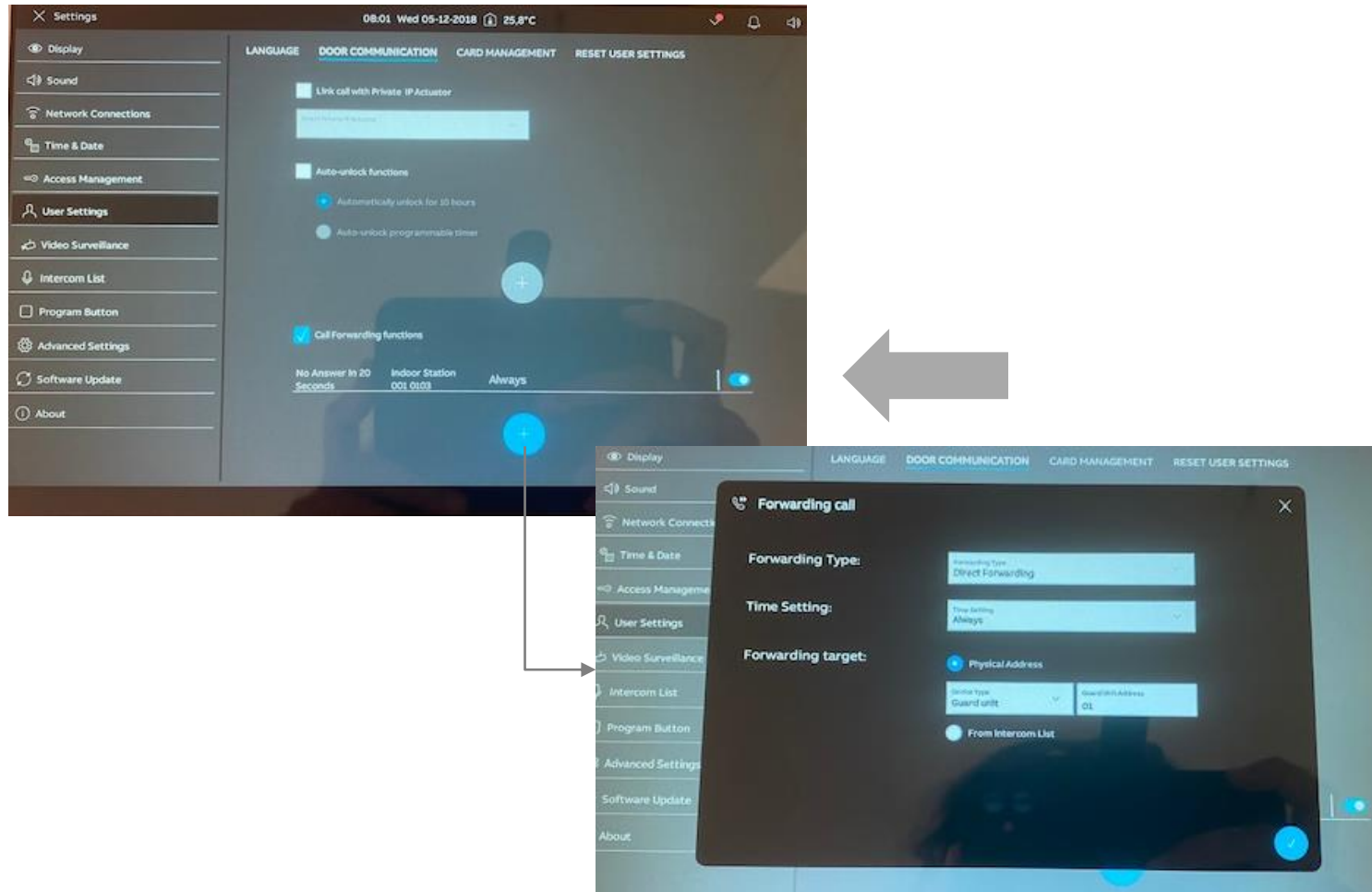
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FORWARD CALL - INDOOR STATIONS

Explained



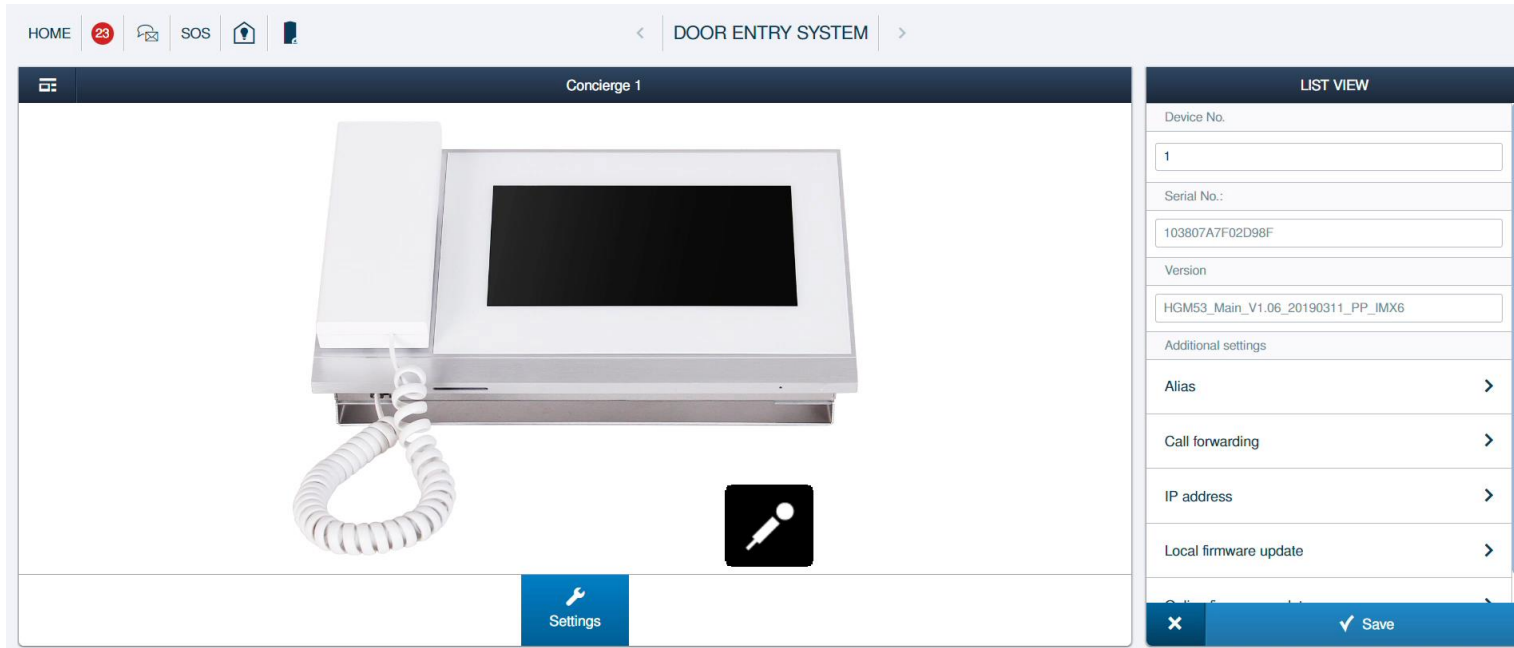
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FORWARD CALL – GUARD UNITS

Explained



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TRUST ALL BUTTON

Explained

The screenshot displays a web-based interface for a door entry system. At the top, there is a navigation bar with 'HOME', a notification icon with '21', 'SOS', and a home icon. Below this is a breadcrumb trail: '< DOOR ENTRY SYSTEM >'. The main interface is divided into two panels. The left panel, titled 'INDOOR STATIONS', has a sub-header with 'INDOOR STATIONS', 'TRUST ALL' (highlighted in blue), 'GROUPING', and 'ADD DEVICE'. Below the sub-header is a search bar and a list of devices: 'Apartment 1,10*', 'IP Touch Lite 7 Building1', 'Apartment 4,Lite', and 'Audio Indoor Station Building1'. The right panel, titled 'LIST VIEW', shows a list of devices: 'Video Indoor Station', 'Apartment 1,10*' (with a right arrow), 'Apartment 4,Lite' (with a right arrow), 'Audio Indoor Station', and 'Apartment 2,Audio' (with a right arrow). At the bottom, there is a footer with icons and labels for 'Outdoor station', 'Indoor station' (highlighted), 'IP actuator', 'Guard unit', and 'Elevator controller'.



TRUST ALL BUTTON

The Trusting Devices function has been now simplified: just by clicking 1 button the devices in the system will be able to trust each others with no additional steps.

Welcome IP

Additional implementations



SIP SUPPORT

Integrate SIP Clients into our Welcome IP system and our devices as SIP clients



OPEN APIs

Integrability with 3rd Party systems via Cloud (Developers Portal), or locally (partnership).



PRO SERVICE PORTAL

Remote maintenance functionality for Smart AP Pro is now available

SIP SUPPORT

Explained

SIP overview

- Session Initiation Protocol (SIP) is a **signaling protocol** used to initiate, maintain and terminate real-time sessions, primarily involving video, voice, messaging and other **communications services over IP networks**.
- Welcome IP natively supports SIP. This allows organizations and home users **to integrate Welcome IP with any third-party telephony application**.

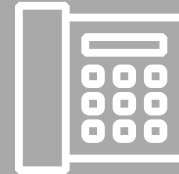
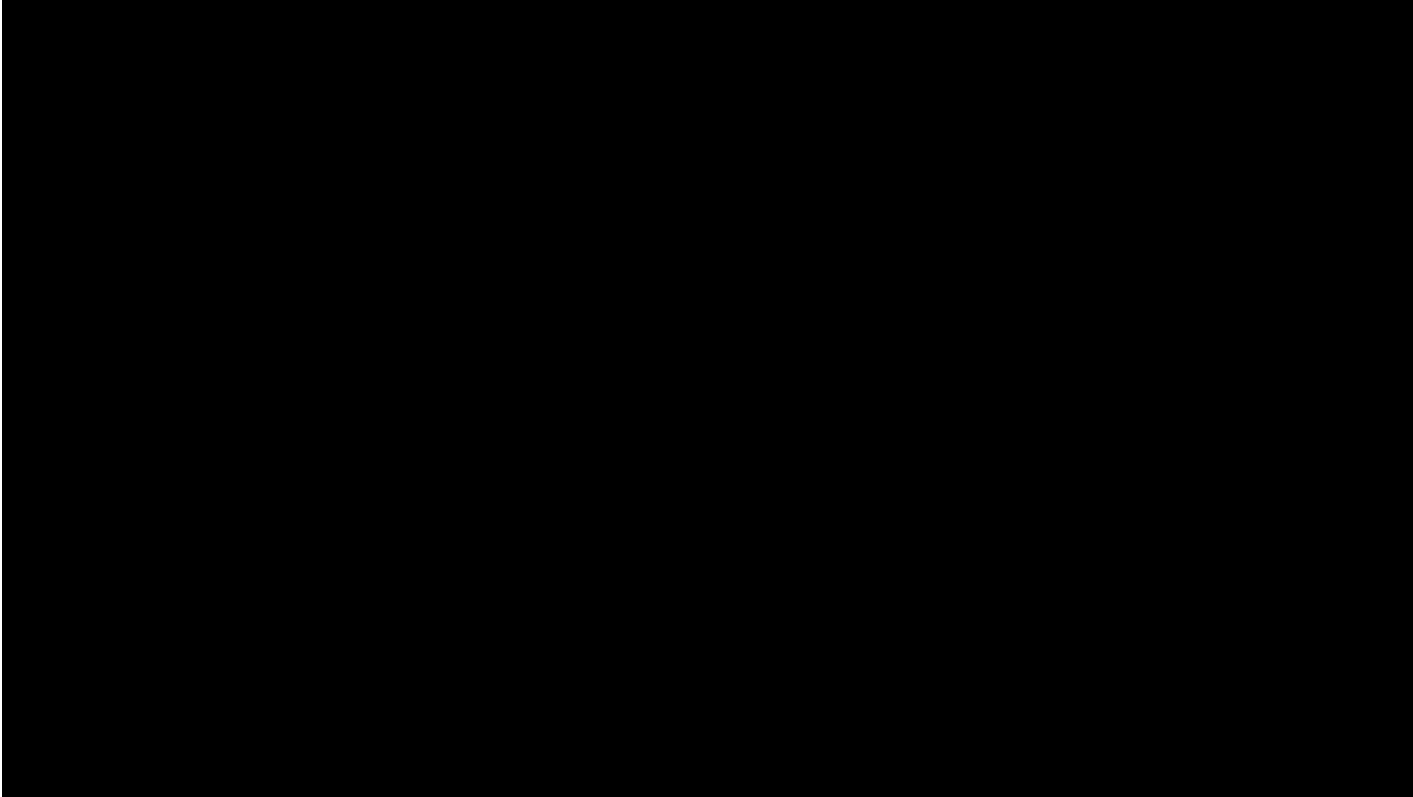


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SIP SUPPORT

Explained

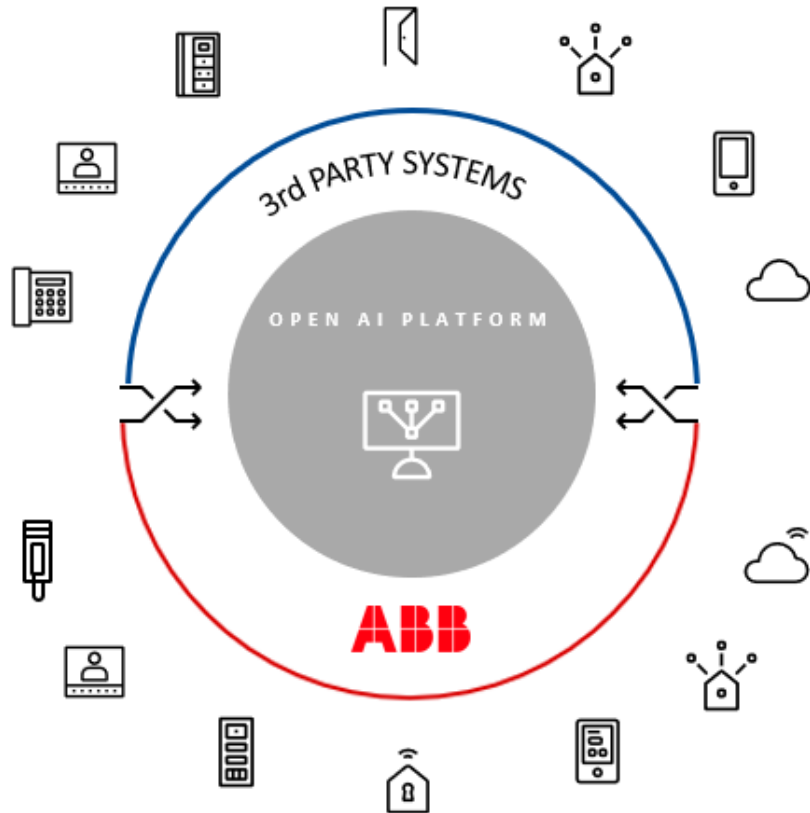


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OPEN APIs

Explained



OPEN APIs

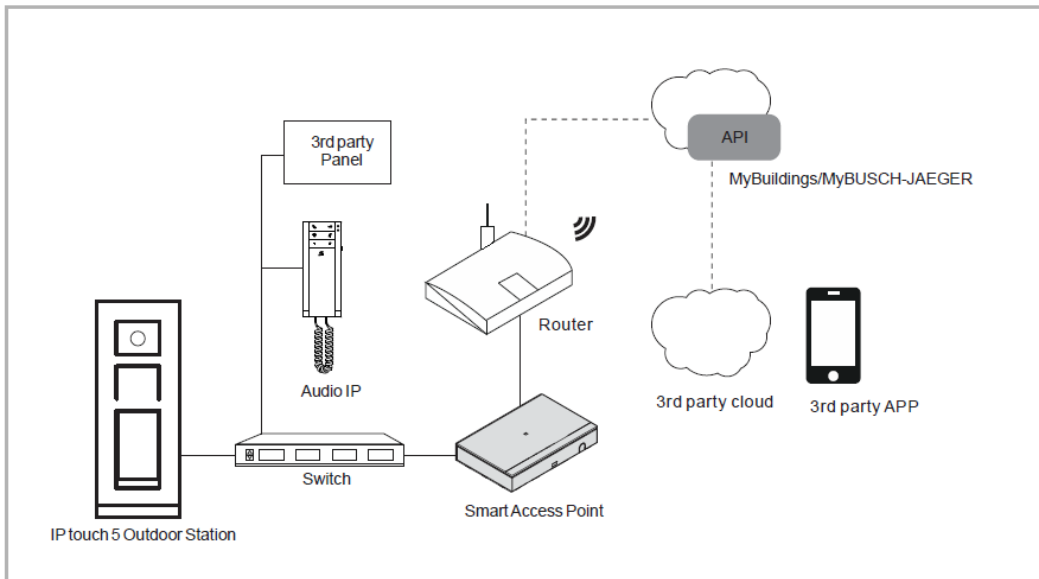
Integrability with 3rd Party systems via Cloud ([Developers Portal](#)), or locally (partnership).

OPEN APIs

Explained

API overview

- API (application programming interface) provides access to a Welcome IP & AccessControl door entry system, enabling control and monitoring functions by a 3rd party system (either locally / via cloud): **Local API / Cloud API**



OPEN APIs

Integrability with 3rd Party systems via Cloud (**Developers Portal**), or locally (partnership).

PRO SERVICE PORTAL

Explained



PRO SERVICE PORTAL

Remote maintenance
functionality for Smart AP
Pro is now available

Welcome IP

Additional Release additional implementations



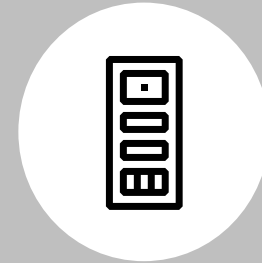
KNX IMPROVEMENTS

New simplified commissioning possibility to upload the PID file panel configuration from the ETS directly to the IP Touch panels.



NEW RGBW CONTROL

New RGBW Control, to simultaneously manage the color and brightness of the lights that are connected to a DALI Gateway.

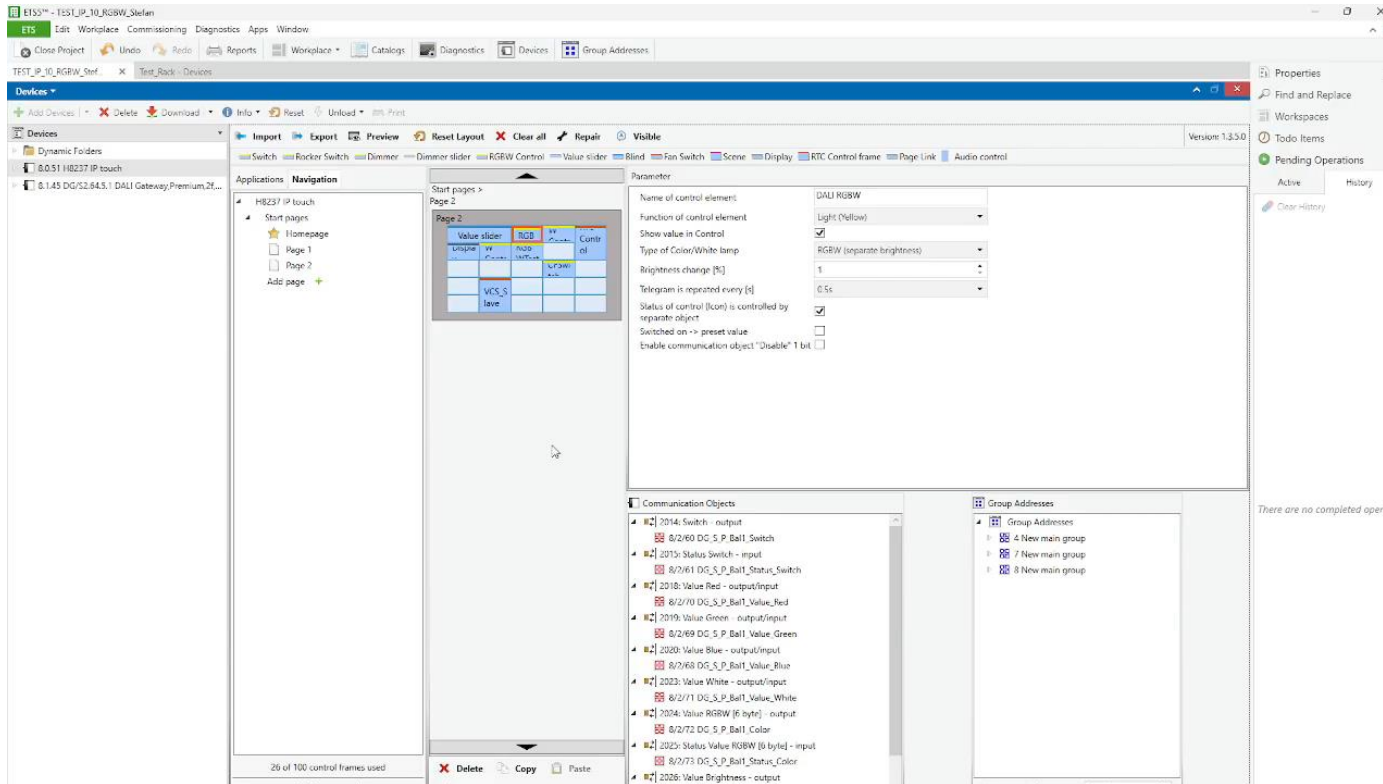


IP OS 5" IMPROVEMENTS

IP Outdoor Station 5" new improved SEARCH function, and formatting for multiapartment projects.

PID TRANSFER VIA DCA

Explained

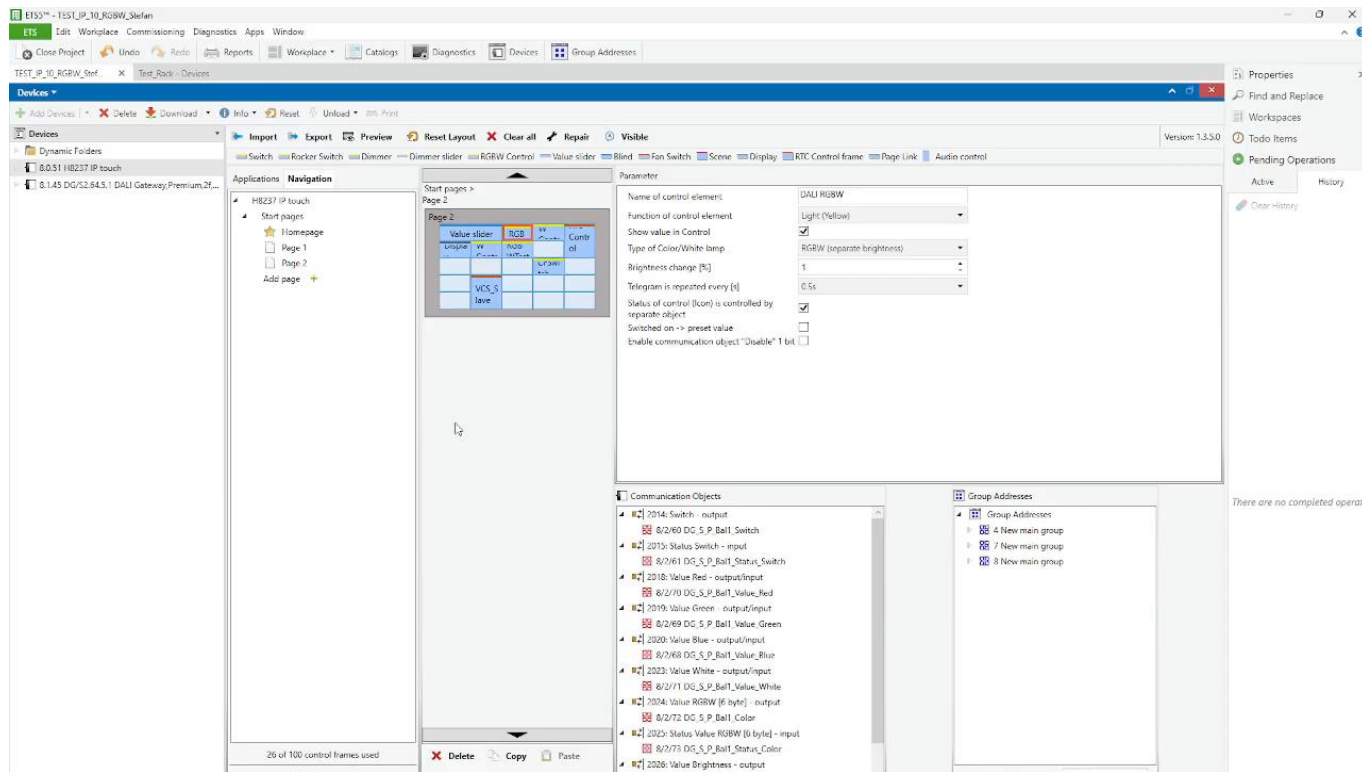


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Explained



NEW RGBW CONTROL
New RGBW Control, to simultaneously manage the color and brightness of the lights that are connected to a DALI Gateway.

KNX ON IP TOUCH

Explained



How-To...

ETS Online download & IP Touch

HOME AND BUILDING AUTOMATION			
Doc. Type: Functional description	Doc. No. Definiert im Library	Revision: A	
Department: GCC Engineering	Author: Engineering Team BA/DESTO		
System: Door communication	Product: System		
Page: 1/14	Date: 5. September 2024		



Disclaimer:

This document is intended to provide technical information and suggestions for use.

It does not replace the technical information on planning, installation and commissioning of the product. Technical changes and errors reserved.

Despite checking the contents of this publication for compliance with the hardware and software, deviations cannot be completely ruled out. Therefore, we cannot accept any liability for this. Necessary corrections will be incorporated into new versions of the document.



How-To...

Connect IP Touch with KNX

HOME AND BUILDING AUTOMATION			
Doc. Type: Functional description	Doc. No. Definiert im Library	Revision: B	
Department: GCC Engineering	Author: Engineering Team BA/DESTO		
System: Door communication	Product: System		
Page: 1/14	Date: 5. September 2024		



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ADDITIONAL "HOW TO" GUIDELINES

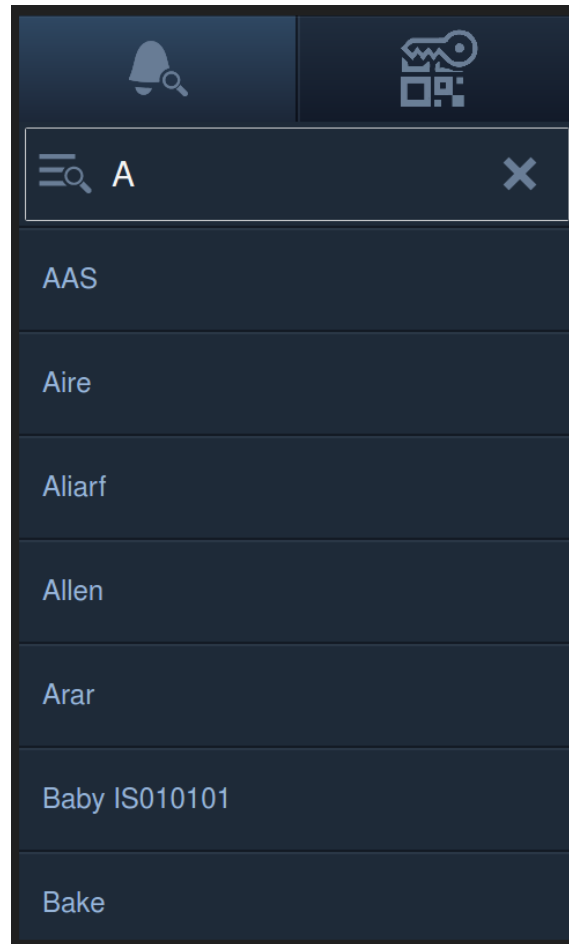
- ETS ONLINE DOWLOAD
- CONNECT IP TOUCH WITH KNX

NEW ETS MANUAL

- [ABB EN Version](#)
- [BJE DE Version](#)

IP OS 5" IMPROVEMENTS

Explained



IP OS 5" IMPROVEMENTS
IP Outdoor Station 5" new improved SEARCH function, and formatting for multiapartment projects.

ABB Door Entry – Welcome IP 2.0

Homepage

<https://new.abb.com/low-voltage/products/building-automation/product-range/abb-door-entry-and-accesscontrol-systems/abb-welcome-ip>

- Benefits and Features
- Products
- Planning and Configuration
- Documentation and Tools

[ABB \(English\) System Manual](#)

[ABB \(German\) System Manual](#)

ABB-Welcome IP

Welcome IP 2.0

Fully redesigned architecture and UI to enhance our IP door entry systems.



One network
System



Single home
wizard



Simplified
IP Addressing



SIP and APIs
integration



ABB Door Entry – Welcome IP 2.0

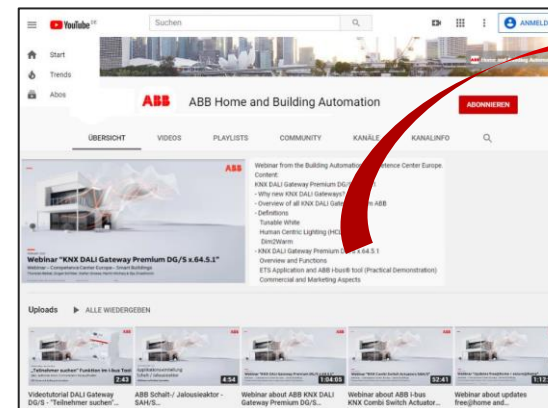
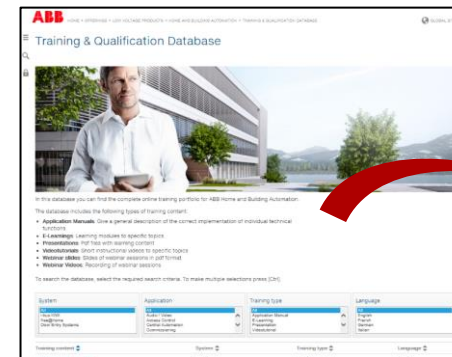
Training Material

Training & Qualification Database

- The database contains extensive training content
 - Presentations
 - Video tutorials
 - Webinar slides and videos
 - and more ...
- <https://go.abb/ba-training>
- www.abb.com/knx (→ Services & Tools → Training and Qualification → Training Database)

YouTube

- Channel “ABB Home and Building Automation”
- <https://www.youtube.com/user/ABBibusKNX>



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