

2TMD041600D0041 | 31.07.2018

Product manual

ABB-Welcome

83342-500 IP gateway



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1 Notes on the instruction manual

Please read through this manual carefully and observe the information it contains. This will assist you in preventing injuries and damage to property, and ensure both reliable operation and a long service life for the device.

Please keep this manual in a safe place.

If you pass the device on, also pass on this manual along with it.

ABB accepts no liability for any failure to observe the instructions in this manual.

2 Safety



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 only by specialist staff!

3 Intended use

3.1 Intended use

The device must only be operated within the specified technical data!

The device is used for door communication and video transmission.

To set up the device requires an external device (laptop).

3.2 Improper use

The device is dangerous if used improperly. Any non-intended use is deemed improper use. The manufacturer is not liable for damages resulting from such improper use. The associated risk is borne by the user/operator.

3.3 Target groups and qualifications

Installation, commissioning and maintenance of the product 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 operator must adhere to the valid national regulations in his country governing the installation, functional test, repair and maintenance of electrical products.

3.4 Liability and warranty

Improper use, non-observance of this manual, the use of inadequately qualified personnel, as well as unauthorized modification excludes the liability of the manufacturer for the damages caused. It voids the warranty of the manufacturer

4 Environment

**Consider the protection of the environment!**

Used electric and electronic devices must not be disposed of with household waste.

- The device contains valuable raw materials that can be recycled. Therefore, dispose of the device at the appropriate collecting facility.

4.1 ABB devices

All packaging materials and devices from ABB bear the markings and test seals for proper disposal. Always dispose of the packing materials and electric devices and their components via an authorized collection facility or disposal company.

ABB 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)

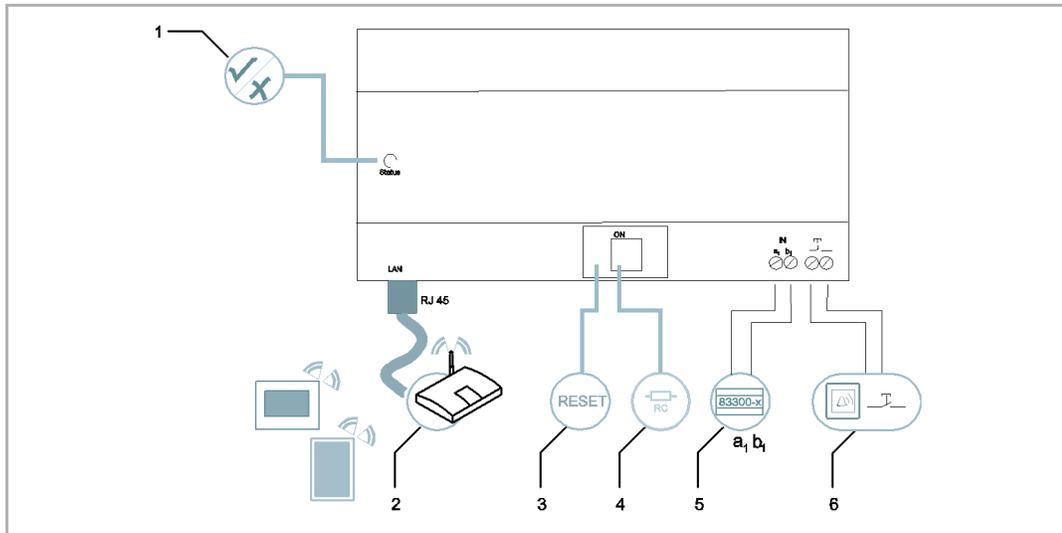
(EU-REACH ordinance and law for the implementation of the ordinance (EG) No.1907/2006)

5 Product description

The IP gateway is a Welcome door communication system and is used for door communication and video transmission.

- The IP address makes communication possible between the Welcome door communication and the local IP network.
- It also allows use of the Busch-ComfortTouch® as door communication indoor station and a Welcome app.
- The product connects to the MyBuildings portal. It can be used to configure other Welcome products using a web browser.

5.1 Device connection



No.	Function
1	LED ● Ready 👁 Bus activity ⚡ Fault
2	LAN connection The LAN connection is made via the RJ 45 jack on the WLAN router.
3	Reset Here is the Reset button.
4	Terminal resistor
5	a1 System controller b1 Internal bus
6	Floor call button The floor call button is connected here.

6 Technical data

Designation	Value
Operating temperature	-25 °C...+55 °C
Protection	IP 20
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 input voltage	20-30 VDC
Size	10 U

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 only by specialist staff!

7.1 Requirement 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
 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.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.
- Check the type of supply network (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective grounding, necessary additional measures, etc.).

7.2 **Generate certification file**

- 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

The MDRC must only be installed on mounting rails according to DIN EN 500022. The MDRC is latched onto the mounting rail.

8 Commissioning

8.1 Match APP with ABB-Welcome IP Gateway

8.1.1 System requirements

**Note**

Please note that the IP gateway must be connected to the router by a LAN cable.

The following system requirements are necessary for smooth operation of the IP gateway:

Components for the IP gateway

The following components are required to operate the IP gateway:

- A Welcome door entry system including at least one outdoor station and one system controller.
- IP network (should connect mobile devices, must have a LAN connection).
- An outdoor station with camera must be integrated for video transmission.

As tenants

As tenants, the following come into question for operation with the IP gateway:

- Tablet PC or similar device with an iOS or Android operating system for the installation of the app with an Internet connection via 3G/UMTS or WLAN. The data rate (e.g. a flat rate) must allow for Voice-over-IP ("VoIP") connections.
- Laptop, tablet PC or similar device with an Internet browser for access to MyBuildings portal at address <http://mybuildings.abb.com> and for the configuration of the IP gateway in the home network.

Mobile app

If you want to use the Welcome mobile app from the Internet, the following requirements must also be met:

- DSL-6000 Internet connection or faster
- Minimum 3G (UMTS) mobile Internet

**Note**

An Internet connection slower than ADSL 6.000 or 3G/UMTS impairs the quality of video streaming from the IP gateway to the apps.

8.1.2 IP Gateway start-up

The IP gateway has a user interface that can be reached via an Internet browser. The user interface can be opened from every computer that is part of the same network as the gateway that is to be configured.

For the initial startup of the IP gateway a few basic settings need to be made in this user interface.

Commissioning can be set with the Windows UPnP service (Windows Vista or higher) or by entering IP address directly.



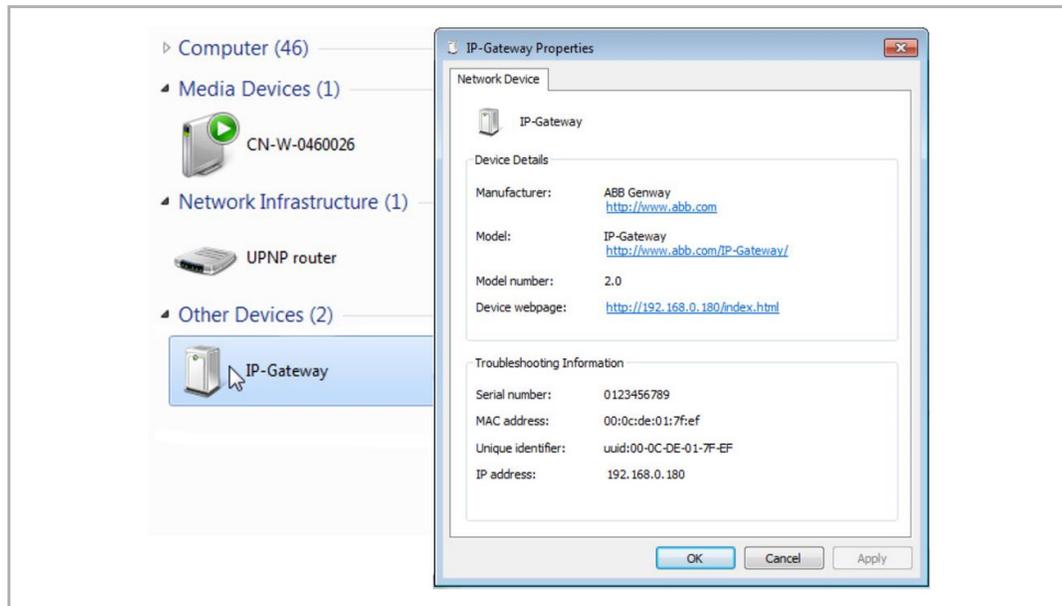
Note

Information regarding documentation

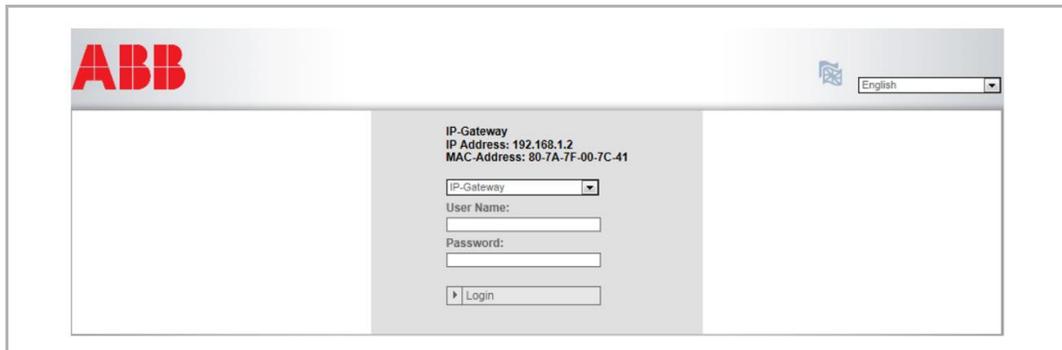
The Windows 7 interface is used to describe the configuration options.

Option 1: Commission with the Windows UPnP service**Preconditions**

- There is a DHCP server on the network, e.g. integrated in the router.
- The IP gateway is connected to the router by a LAN cable.
- The PC is connected to the router by a LAN cable
- The IP gateway is connected and ready for operation.



1. Open Windows Explorer.
2. Click the "Network" entry below the displayed drives. The window pane on the right now displays all devices currently on the network.
3. Double-click the IP gateway icon.



Note

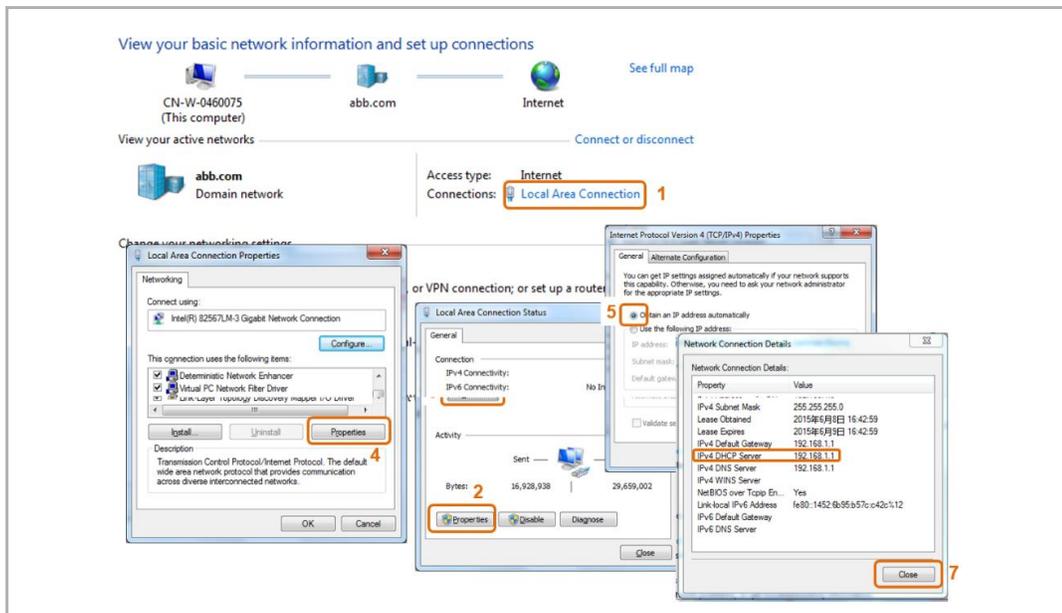
- If the browser does not open automatically, the device properties appear instead. Copy the displayed IP address, e.g. 192.168.0.180, and enter it manually into the browser's address bar.
- If the IP-Gateway icon can't be found, you could check the Windows firewall. For example, turn off the windows firewall. If you still can't find the IP-Gateway icon, you can go to Option 2.

Option 2: Enter the IP address directly

Preconditions:

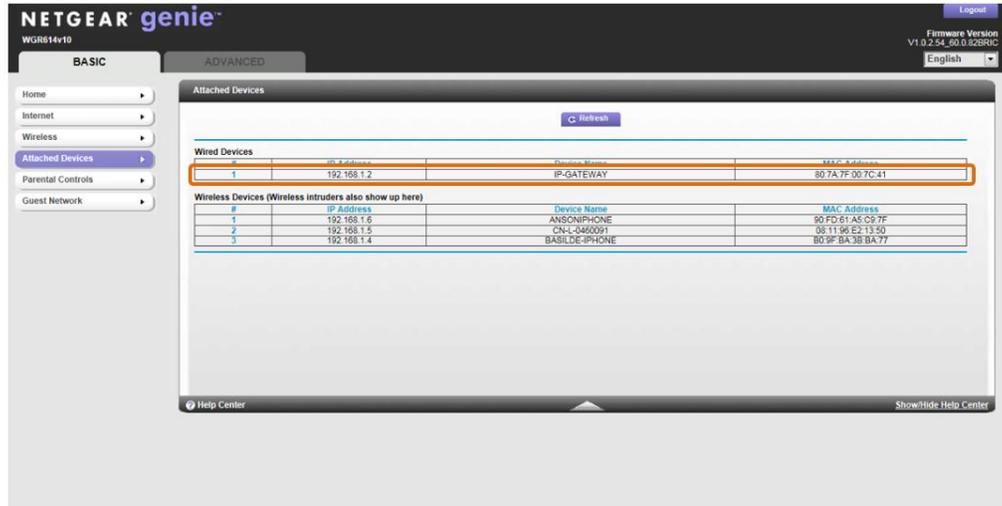
- There is a DHCP server on the network, e.g. integrated in the router.
- The IP gateway is connected to the router by a LAN cable.
- The PC is connected to the router by a LAN cable
- The IP gateway is connected and ready for operation.

1. Link the external device in a common network to the IP gateway
2. Launch the control panel.
3. Get the DHCP server address according to the following steps. For example: the DHCP server address is 192.168.1.1.



4. Open the user interface of your router.

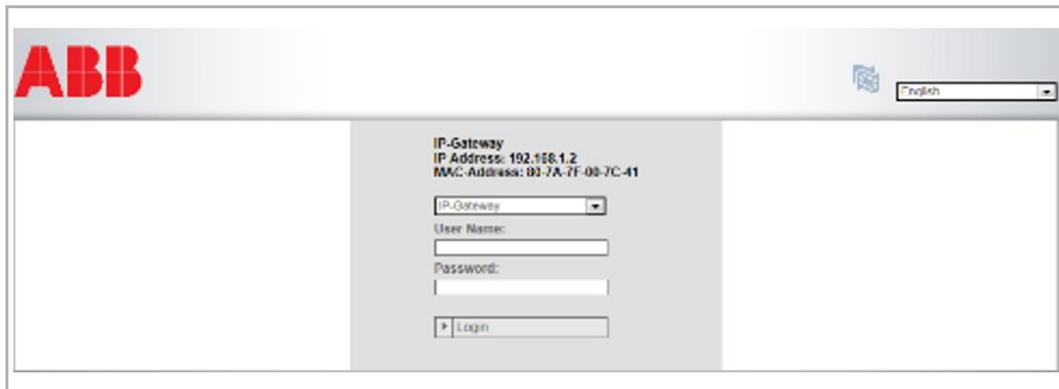
Enter the DHCP server address directly into the address line of your browser. Here you will see a list of all connected devices including their names and IP addresses. Copy the IP address of the device "IP gateway".



Note

Get the The IP address of IP-Gateway directly from the attached devices lists, for example, 192.168.1.2.

5. Enter the IP address of the gateway directly into the address line of your browser to call up the user interface of the gateway.



Enter the default values in the "User name" and "Password" input fields.

User name: admin

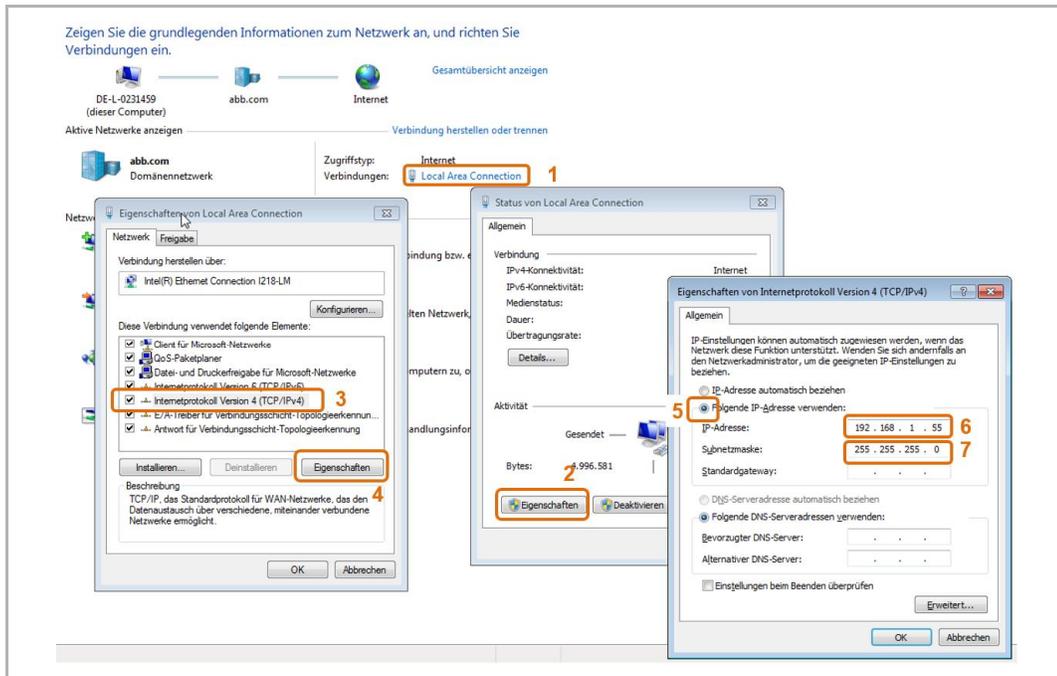
Password: admin

Click the "Login" button to display the configuration menu

8.1.3 Manual configuration

Preconditions:

- The IP gateway is connected to the PC directly by a LAN cable.
- The IP gateway is connected and ready for operation.



1. Link the external device in a common network to the IP gateway.
2. Launch the control panel.
3. Open the "Network and Sharing Center".
4. Open the "Local area connection" (1).
5. In the next window, select the "Properties" (2) button.
6. In the next window, select the list item "Internet Protocol version 4 (TCP/IPv4)" (3).
7. Click the "Properties" button (4). The "Properties" window for Internet protocol version 4 (TCP/IPv4) opens.
8. Select the option (5) to manually enter the IP address.
9. Assign an IP address (6) within the same range as the IP gateway. The default IP gateway address is 192.168.1.111.



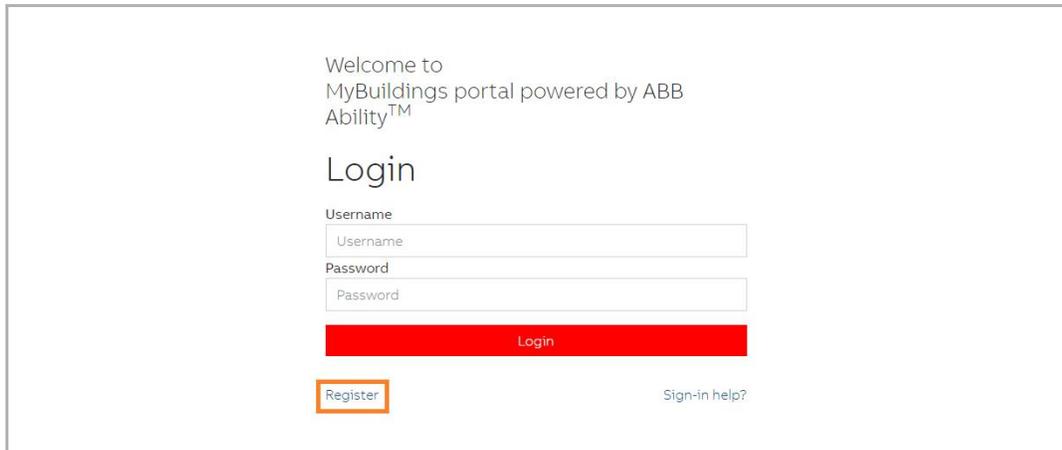
Note

The IP address of the PC cannot be identical to the IP address of the IP gateway. Select, for example, 192.168.1.55.

10. Click the "Subnet Mask" (7) box. The current value is entered automatically and does not need to be changed.
11. Click "OK" to confirm the entry.

8.1.4 Setup of the mobile devices with IP-Gateway

Step 1: Registering and logging into MyBuildings portal



Welcome to
MyBuildings portal powered by ABB
Ability™

Login

Username

Password

Login

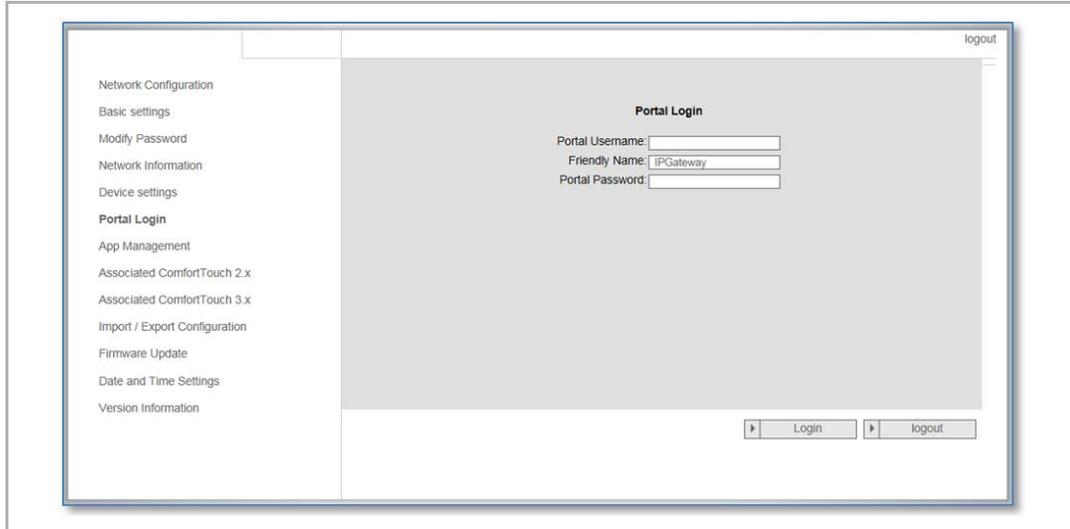
Register

[Sign-in help?](#)

1. Open page <https://mybuildings.abb.com>, register yourself as new user.
2. Input the username, password and mailbox to receive your active link.
3. Read and accept both of the items.
4. Click the “Register” button.
5. Activate your user account by your mailbox.

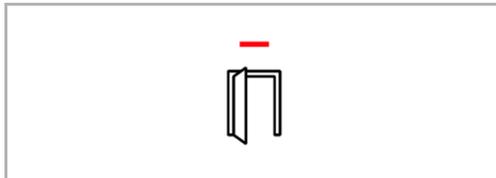
Step 2: Connecting the IP gateway with the MyBuildings portal

In the web interface of the IP gateway, in menu Portal Login, enter your data for access to the MyBuildings portal and the name of the IP gateway. Click the login button to connect the IP gateway with the portal.



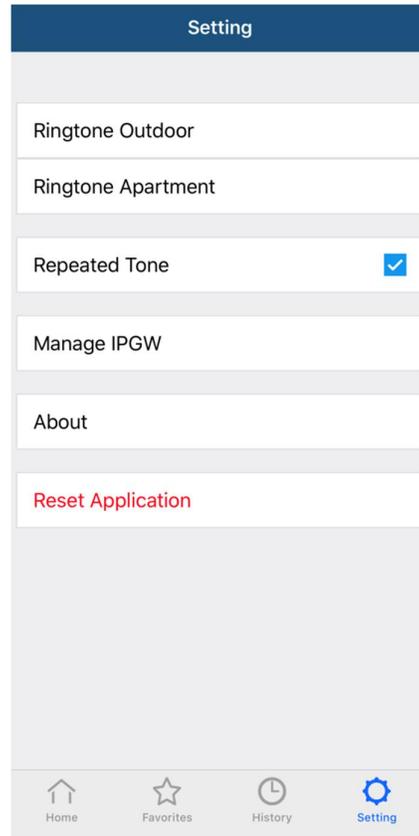
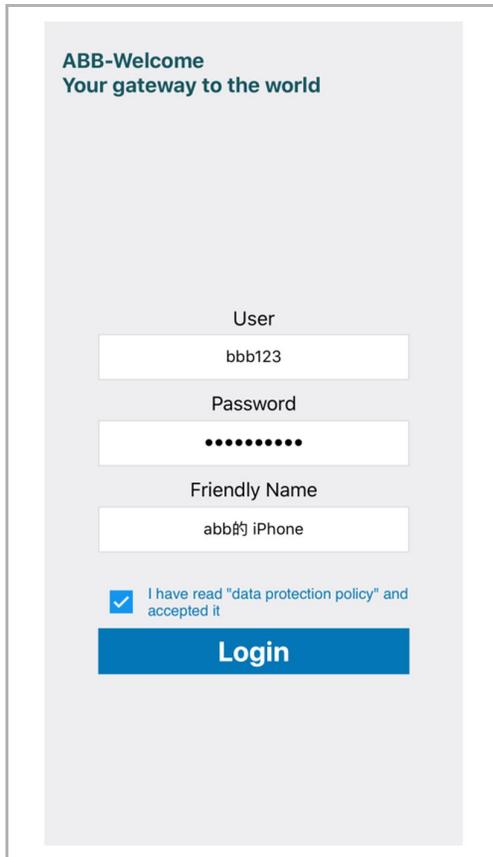
Step 3: Installing the "Welcome " app

You can download the ABB-Welcome app from Google Play or the Apple App Store directly by entering keyword "ABB Welcome".



Step 4: Coupling the IP gateway and "Welcome " app

1. Smart phone: Open the Welcome APP, input the user name and password, click the "Setting" --- "Manage IPGW"



2. Smart phone: Choose correct IP-gateway, click "Pair", the status will change to "Request Pending".



3. IPGW: On "APP management" page, Click "Handle", select permission on "Permission setting" page then click "Save".

The screenshot displays a web interface for managing applications. At the top, a table titled "App Management" lists application details. Below this, a "Permission Setting" form allows for configuring permissions for a selected application. The form includes fields for the application's name and status, and a list of permissions with checkboxes. At the bottom right, there are "Reset" and "Save" buttons.

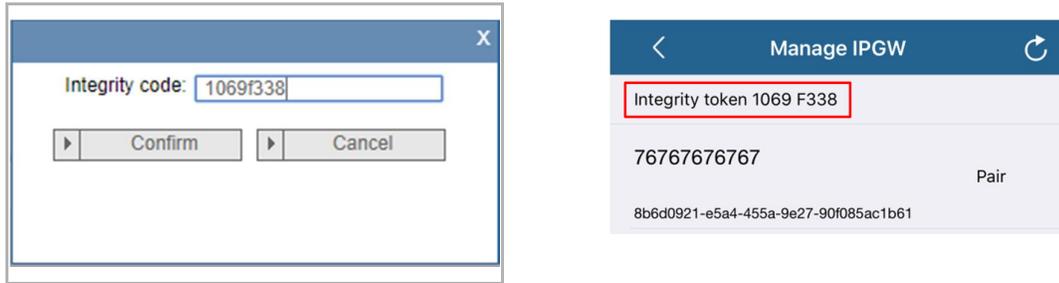
ID	Friendly Name	Status	Setting
1	abb的 iPhone	Unpaired	Handle Delete

Permission Setting

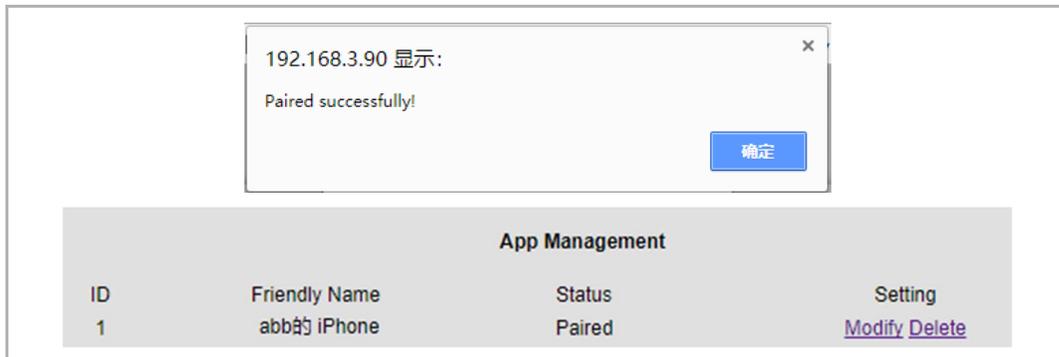
Friendly Name: abb的 iPhone
Status: Unpaired

Permission: Conversation
 Surveillance
 Unlock
 Access History
 Delete History
 Firmware Update
 Select All

4. IPGW: Input integrity code which is displayed on smart phone, click "Confirm".



If the code is correct, IPGW will pop up a window to display "Paired successfully!" and then display the status as "Paired".



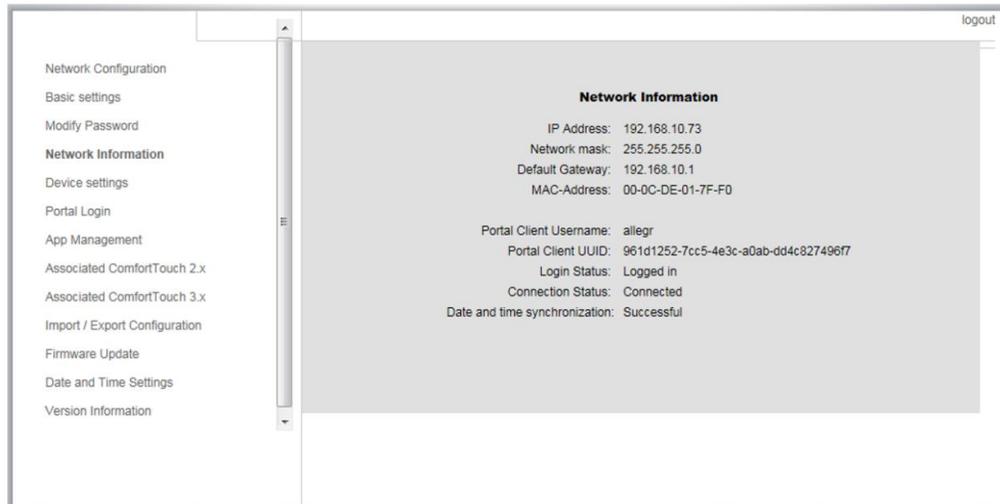
On smart phone, we also can see the status as "Paired".



8.2 Website setting

8.2.1 Network information

The network information appears after logging in.



The "Network information" page display the IP gateway settings currently used.

IP address

The IP address is the address for accessing the connected IP gateway.

You need this address to log into the configuration interface!

Portal client information

Display the connection status between IP gateway and server.

Date and time synchronization

Display the status of the date and time synchronization.



Note

Note the displayed IP address to log into the configuration again, e.g. after restarting the system when creating other users.

8.2.2 Network configuration

The screenshot displays the 'Network Configuration' page. On the left is a navigation menu with items: Network Configuration, Basic settings, Modify Password, Network Information, Device settings, Portal Login, App Management, Associated ComfortTouch 2.x, Associated ComfortTouch 3.x, Import / Export Configuration, Firmware Update, Date and Time Settings, and Version Information. The main area is titled 'Network Configuration' and contains two radio buttons: 'DHCP' (unselected) and 'Static IP' (selected). Below these are four rows of input fields: 'IP Address' (192, 168, 0, 182), 'Network mask' (255, 255, 255, 0), 'Default Gateway' (192, 168, 0, 5), and 'DNS' (192, 168, 0, 5). At the bottom right are 'Reset' and 'Save' buttons. A 'logout' link is visible in the top right corner of the main area.

You can configure your device as required on the "Network configuration" page.

DHCP

Select "DHCP" if the device is to automatically obtain an IP address.

Static IP address

Please note that the IP address of the gateway does not change when a static address is assigned. A static IP address only needs to be assigned in exceptional cases to manually configure the network. Click the "Static IP address" check box to enter the following addresses: IP Address, Network mask, Default Gateway, DNS.

8.2.3 Basic settings

You can adjust the basic settings for the IP gateway on the "Basic settings" configuration page.

Address of the indoor station

The address of the indoor station indicates which call button on the outdoor station is used to control the IP gateway.



Note

Up to 4 terminal devices, including smart phone, Tablet and Busch-ComfortTouch®, can be connected with one IP-Gateway inside one apartment.

Default outdoor station

The address of the default outdoor station is the station set as the preferred outdoor station. One audio and video connection also without incoming door call can be set up for this station.

Master / slave mode

When more than one indoor station is installed in the apartment (same addresses), one station must be configured as master and others as slave.

8.2.4 Modify password

You can change the password on this configuration page.

Current password

Enter the password previously used.

New password

Enter your new password.

Confirm new password

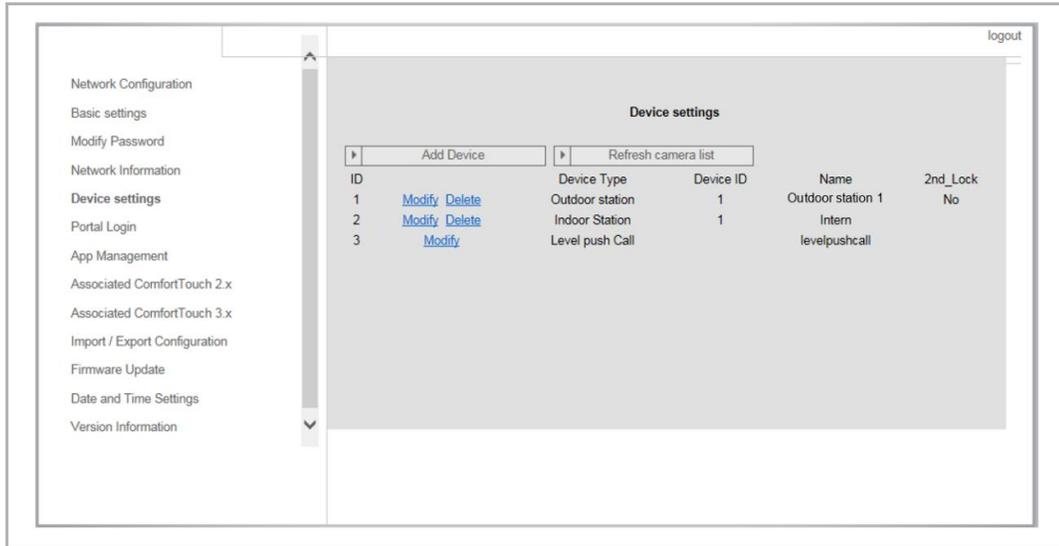
Enter your new password again.



Note

You can only change the password for the currently active user. Please follow the general recommendations for generating strong passwords.

8.2.5 Device settings



All outdoor stations to be connected to the IP gateway (max. 9) must be listed in the Device settings.

Add device

You can add individual devices on this page. Select the required device type from the "Device type" drop-down list.



Note

The floor call button is already set up as the default device. The device name can be adjusted as required.

[1] Outdoor station

Device ID

Enter the address set on the first control dial of the outdoor station (1 – 9).

Name

The device name, e.g. for incoming calls, appears on the display of the mobile device or Busch-ComfortTouch®. Assign intuitive names, e.g. "Front door".

Permission

Whether the option to automatically record images (snapshots) is permitted can be specified for each outdoor station individually.



Note

Making and saving video recordings can infringe on personal rights!
Always observe applicable legal and labeling requirements for placement and operation of video components!

2nd-lock

If choose YES, means 2nd-lock is available, and there needs an additional button on APP to control it.

If choose NO, means only one lock for OS.

[2] Indoor station

The screenshot shows a web-based configuration interface for adding a device. On the left is a sidebar menu with the following items: Network Configuration, Basic settings, Modify Password, Network Information, Device settings, Portal Login, App Management, Associated ComfortTouch 2.x, Associated ComfortTouch 3.x, Import / Export Configuration, Firmware Update, Date and Time Settings, and Version Information. The main content area is titled 'Add Device' and contains the following fields:

- Device Type: A dropdown menu currently showing 'Indoor Station'.
- Device ID: A text input field.
- Name: A text input field.
- Call type: Two radio buttons, 'External intercom' (which is selected) and 'Internal intercom'.

At the bottom right of the form area, there are two buttons: 'Reset' and 'Save'.

Device ID

Enter the address set on the first control dial of the indoor station (1 – 250).

Name

The device name, e.g. for incoming calls, appears on the display of the mobile device or Busch-ComfortTouch®. Assign intuitive names, e.g. "0601".

Call type

Different intercom type need to be defined:

External intercom: means a call from different apartments.

Internal intercom: means a call within the same apartment

[3] Guard unit

Network Configuration

Basic settings

Modify Password

Network Information

Device settings

Portal Login

App Management

Associated ComfortTouch 2.x

Associated ComfortTouch 3.x

Import / Export Configuration

Firmware Update

Date and Time Settings

Version Information

logout

Add Device

Device Type: Guard Unit

Name:

Reset Save

Name

The device name, e.g. for incoming calls, appears on the display of the mobile device or Busch-ComfortTouch®. Assign intuitive names.

[4] Actuator

Device ID

Enter the address set on the first control dial of the indoor station (1 – 199).

Name

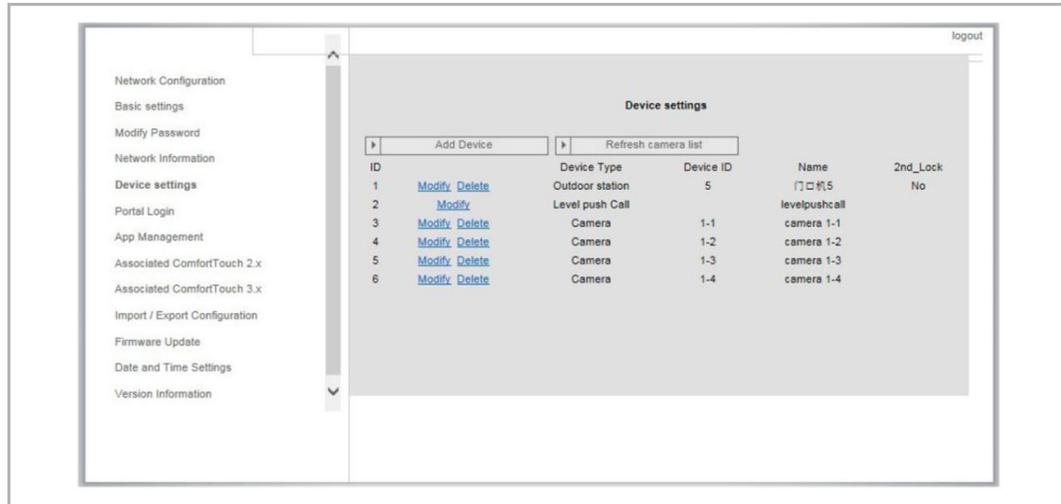
The device name, e.g. for incoming calls, appears on the display of the mobile device or Busch-ComfortTouch®. Assign intuitive names, e.g. "Front door".

Activation of relay actuator during call

If allow to activate the relay during call, there will be an icon on the screen during communication

Refresh camera list

If there are cameras connected with camera interface and are associated with indoor station, the camera list can be refreshed by press this button. Meanwhile, the camera list can be synchronized in paired Welcome APP automatically.



If the cameras belong to indoor station, after set the indoor station address in "Basic settings ", the associated camera lists will be got automatically by pressing "refresh camera list" in " Device settings" . User can modify the camera names or delete a camera list optionally.

And this lists will be synchronized by APP too.

For example:

Precondition: A camera interface in Mode 4, 4 cameras, working associated with IS 001. IS 001 can surveil camera 01, camera 02, camera 03, camera 04.

Add a IP-Gateway together with IS 001, after register the APP, the camera lists(camera 01, camera 02, camera 03, camera 04) will shown in the APP automatically, and user can sueveil these cameras by APP.

No.	Detail
1	ID The ID is the sequential number of the device.
2	Modify Click the "Modify" button to change your settings. The current settings appear and can be modified.
3	Delete Click the "Delete" button to remove a user from the list.
4	Device type This is the device type description.
5	Device ID The ID is the address of the outdoor station (If there is only one outdoor station, the ID as a rule is 1).
6	Name When using the Welcome app, the name is shown.
7	2nd-lock status Show the availability of the 2nd-lock of the outdoor station

8.2.6 Portal Login

1. Register a new username from this website <https://mybuildings.abb.com>

2. Input the username, password and mailbox to receive your active link.
3. Read and accept both of the items.
4. Click the “Register” button.
5. Activate your user account by your mailbox.
6. Login the user name and password on "Portal Login" configuration page.

Friendly Name

Name for this IP gateway, which will display in the device list of smartphone, e.g. IP gateway.

8.2.7 APP Management

App Management			
ID	Friendly Name	Status	Setting
1	abb的 iPhone	Paired	Modify Delete

Permission Setting

Friendly Name: abb的 iPhone
Status: Unpaired

Permission: Conversation
 Surveillance
 Unlock
 Access History
 Delete History
 Firmware Update

Select All

Modify

Click the "Modify" button to change your settings.

The current settings appear and can be modified.

Delete

Click the "Delete" button to remove a user from the list.

8.2.8 Associated ComfortTouch

Associated ComfortTouch 2.x

The IP gateway can be used to control Busch-ComfortTouch® of the series 2.x. The Busch-ComfortTouch® firmware must be version 2.4 or higher.

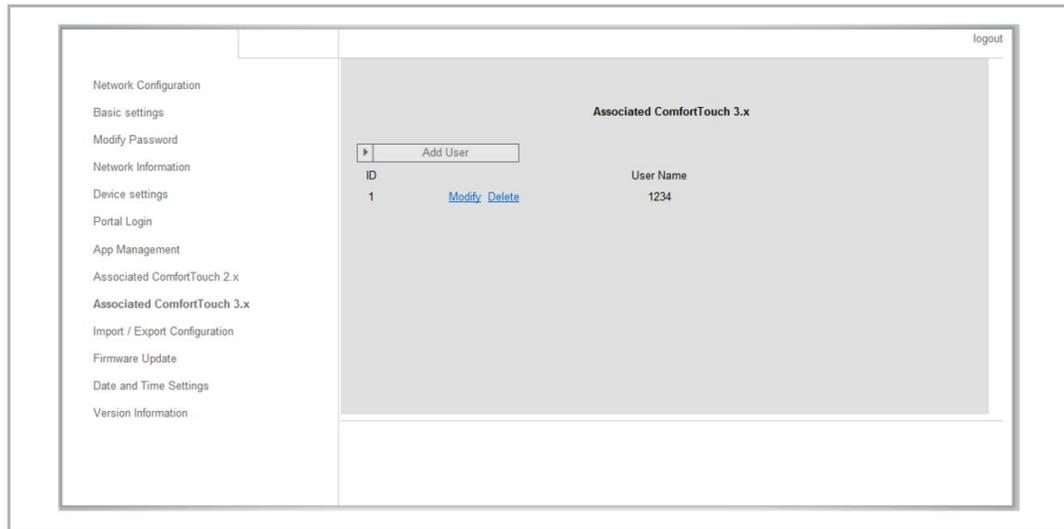
1. Create a user, e.g. ComfortTouch1.
2. Set the compatibility mode to "Yes".
3. Enter the IP address of the Busch-ComfortTouch® in the "ComfortTouch 2.x address" field.
4. Create a configuration project in IPP 2.4 for the Busch-ComfortTouch®, "Door communication" application page.
5. Enter the IP address of the IP gateway in the "Outdoor station" tab in the "Outdoor station IP address" menu box.
6. Enter the address of the outdoor station.



Note

If you want to remove a Busch-ComfortTouch® 2.x that is already connected to the Welcome system, simply set compatibility mode to "No". The address does not have to be deleted.

Associated ComfortTouch 3.x



The IP gateway can be used to control Busch-ComfortTouch® of the series 3.x.

You can create up to three new users and administer your user settings on this configuration page.

ID

The ID is the sequential number of the user.

User name

All assigned accounts are displayed under "User name". Several devices can be logged in under each account. You have the option of deleting the user or editing the settings.

Add user

Click the "Add user" button to create a new user.

User name

Enter the name of the new user in the "User name" input field.

A total of 3 different users with different roles can be created.

Password

Enter the required password of the new user in the "Password" input field.

Confirm

Enter the required password of the new user again in the "Confirm" input field.



Note

When specifying the user name, use characters without umlauts and numbers only, e.g. ComfortTouch. Spaces and special characters are not allowed.

Permission

You can assign the following permissions to the user.

Surveillance

The user can use ComfortTouch to establish a video connection to the outdoor station without there being a door call.

Unlock

Specify if the door can be opened by ComfortTouch or not.

Save new user

Click the "Save" button and the new user is saved.

Modify

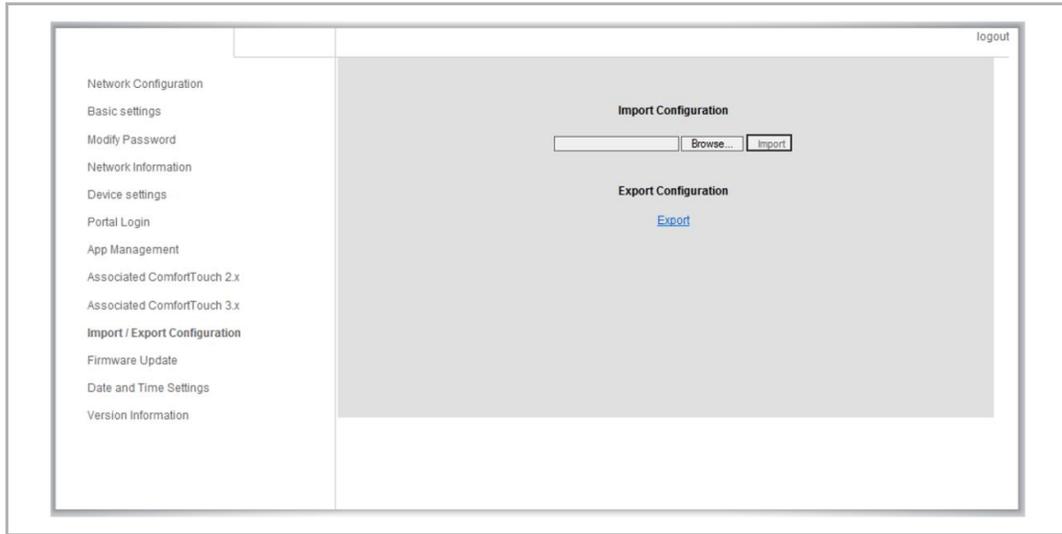
Click the "Modify" button to change your personal user settings.

The "Add user" configuration page opens. The current user appears and can be edited.

Delete

Click the "Delete" button to remove a user from the list.

8.2.9 Import / Export configuration



Note

The option to create and replace an IP gateway configuration file is for service purposes. For details, please contact your electrical installer.

8.2.10 Firmware Update



The IP gateway has the option to manually update the device software.



Note

- Device updates are not normally required and should only be carried out for troubleshooting purposes. To update the device, please contact your electrical installer.
- Before updating the firmware, always check if the update bears a date more recent than the software already installed. See also the section "Version information".
- All settings of the IP gateway will be reset to the factory settings during the update. Please first note down the details specified under basic settings and device settings.

Perform the following steps to update your device, if necessary.

1. Get the latest software from your electrical installer.
2. Log into the Web-Interface of the IP-Gateway with the username "admin" and the associated password.
3. Open menu item firmware update and upload the .tar/.img file.
4. After the file has been sent to the IP-Gateway and installed on the device, the IP-Gateway is reachable again via the browser.

ATTENTION: This process may take up to 10 minutes. The device must not be disconnected from the power supply during this period.

5. Afterwards, the IP-Gateway can be taken into use again.

The user name and password have been reset to the factory settings admin / admin. Assign a new password if necessary.

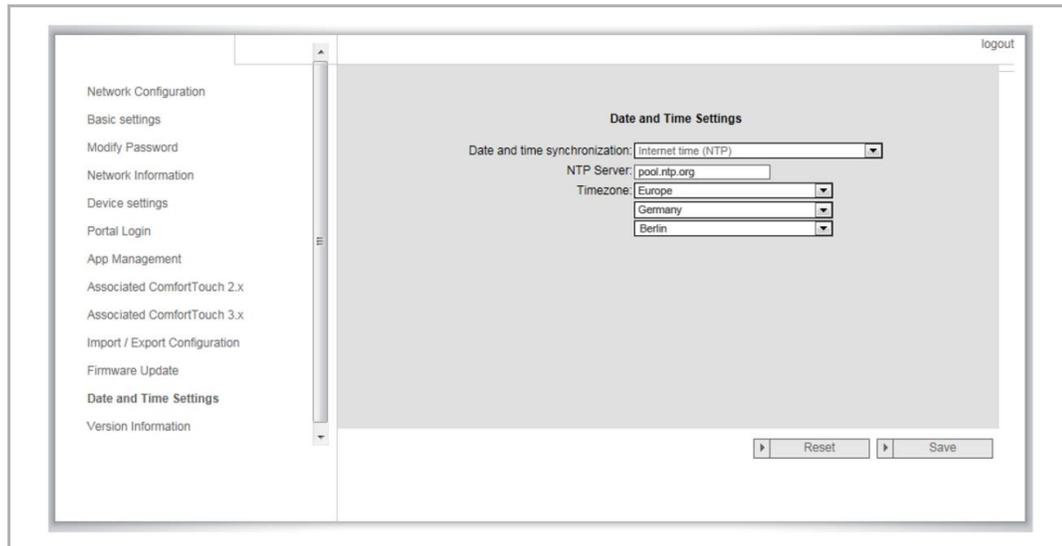
Re-enter the configuration data (basic settings, device settings). Set the time zone.



Note

In case of a fixed IP address there is the possibility that the device has obtained a new address via DHCP after the software update.

8.2.11 NTP settings



The "NTP (Network Time Protocol) settings are used to define with which time signal the IP gateway is synchronised.

There are two options for synchronisation:

Synchronisation via the Internet

1. Select the Internet time (NTP) setting.
2. Add an NTP server.

Five NTP servers will be connected automatically one by one.

pool.ntp.org(default one)

time.nist.gov

ntp.apple.com

time.windows.com

time-a.nist.gov

3. Set the time zone for your location.
4. Save your entries.



Note

In order to synchronise successfully, please make sure the internet connection is available before power on.

Synchronisation via Busch-ComfortTouch® 3.x or by mobile device

Select the setting from the app or Busch-ComfortTouch® 3.x. The IP gateway takes its time settings from the panel or from a mobile end device.

8.2.12 Version Information



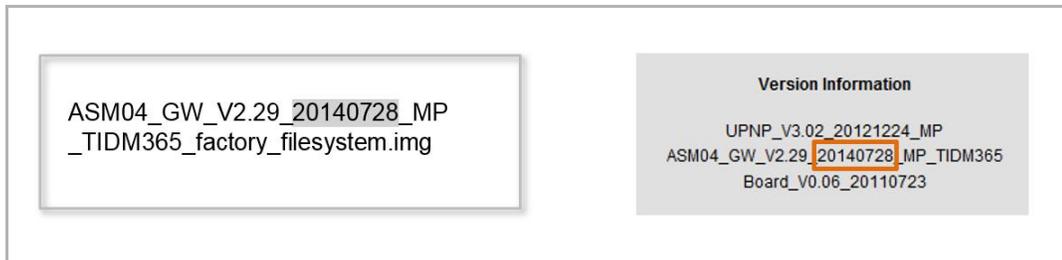
The "Version Information" configuration page provides information about the hardware and software components of the IP gateway and is required for service purposes or error diagnostics.



Note

Before updating the firmware, always check if the update bears a date more recent than the software already installed.

The firmware creation date is in the file name and version information in the format YYYYMMDD.



9 Operation

All configurations are set in the browser interface.

9.1 General buttons in the configuration

"Log off" button

Click the "Log off" button at the top right to leave the configuration interface as a logged-on user. You can leave the configuration interface at any time.

"Reset" button

If you have entered incorrect data in the input fields, click the "Reset" button to clear all your entries.

All input fields are cleared and you can enter your data again.

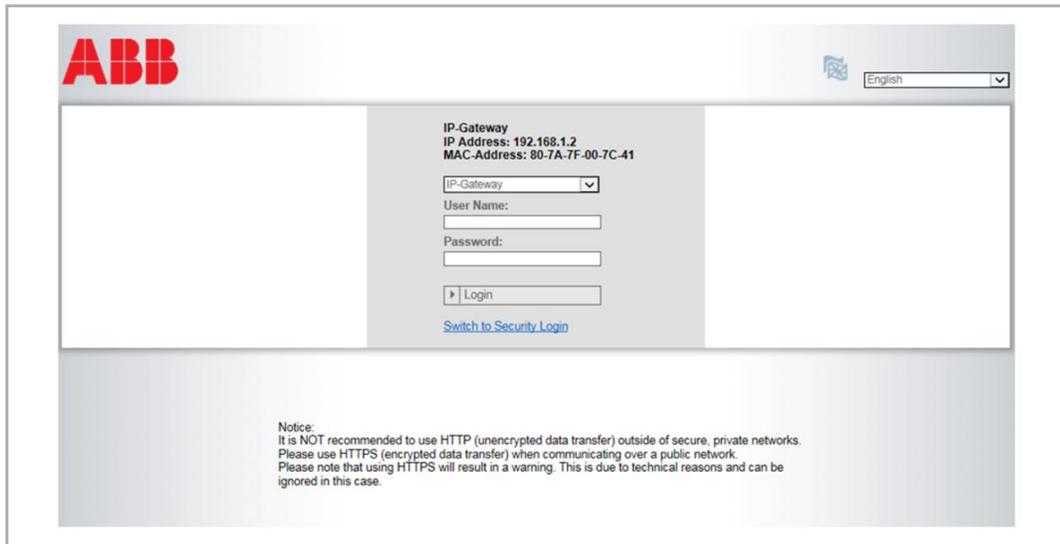
"Save" button

Click the "Save" button to save your entries and to continue to the next configuration page.

Switching to a new configuration page

Click the individual configuration pages in the left column of the configurations to switch to the required configuration page.

9.2 Login



The IP address shows you the IP address currently used by the device.

The MAC address shows you the MAC address currently used by the device.

Language

The default language is English, and clicking the flag can select other languages.

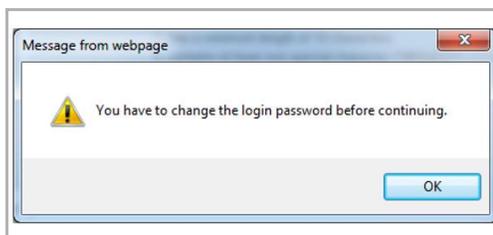
User name

Enter the values in the "User name" and "Password" input fields.

(default values):

User name: admin

Password: admin



Note

For the first login, a dialog window will display to remind you to change the password, after click "OK" button, the "Modify password" configuration page appears.

"Login" button

After change the default password,you need to login again by new password.

Click the "Login" button to display the configuration menu.

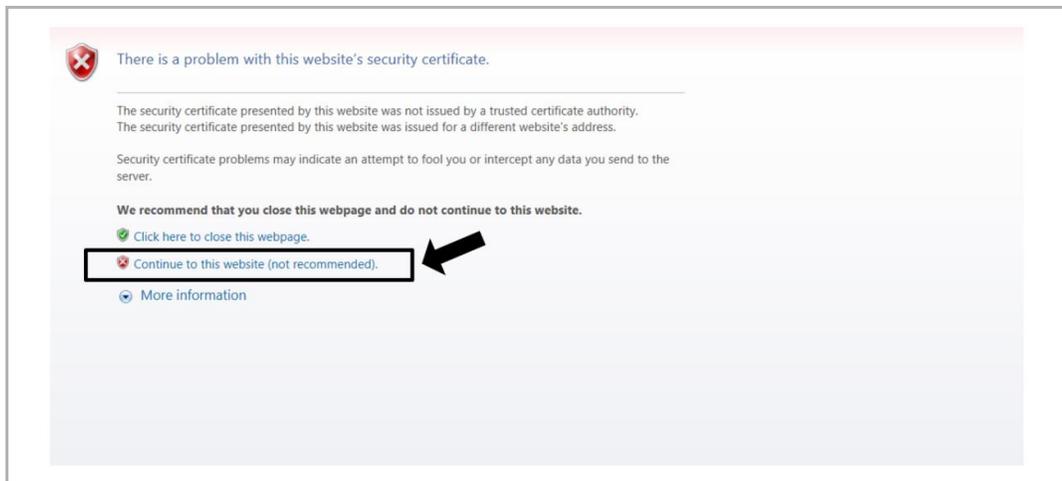
The window with the network information appears.

" Switch to Security Login" button

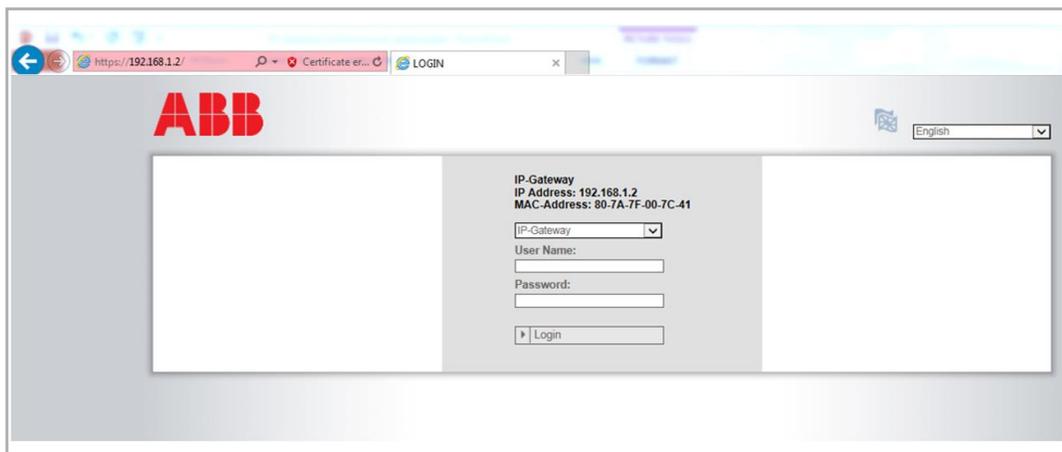
The http-connection is insecure. Please use IP-Gateway in home network, no port forwarding or port mapping to avoid being attacked and hacked.

And it is recommended to use "Switch to Security Login" with https-connection.

There is a browser-warning about invalidated certificate with "Security Login", please press "Continue to this website(not recommended)" button to continue to login.



Security mode is connected via https link.



9.3 Reset

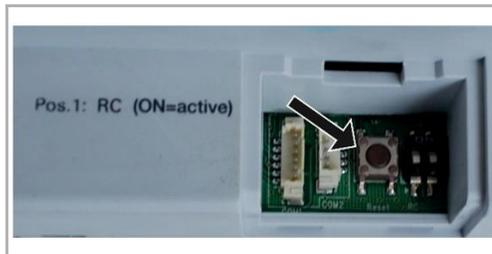
**Note**

If you forget your user name and password, you can reset the IP gateway back to its factory settings.

The "Reset" button is located on the front of the IP gateway behind a flap.

Performing the reset

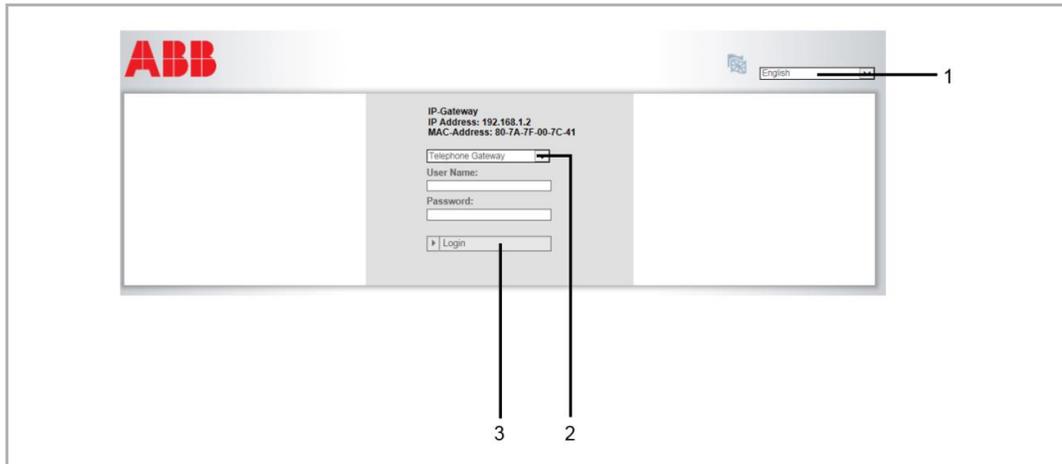
Press the "Reset" button for at least 3 seconds.



9.4 Configuration for Telephone Gateway

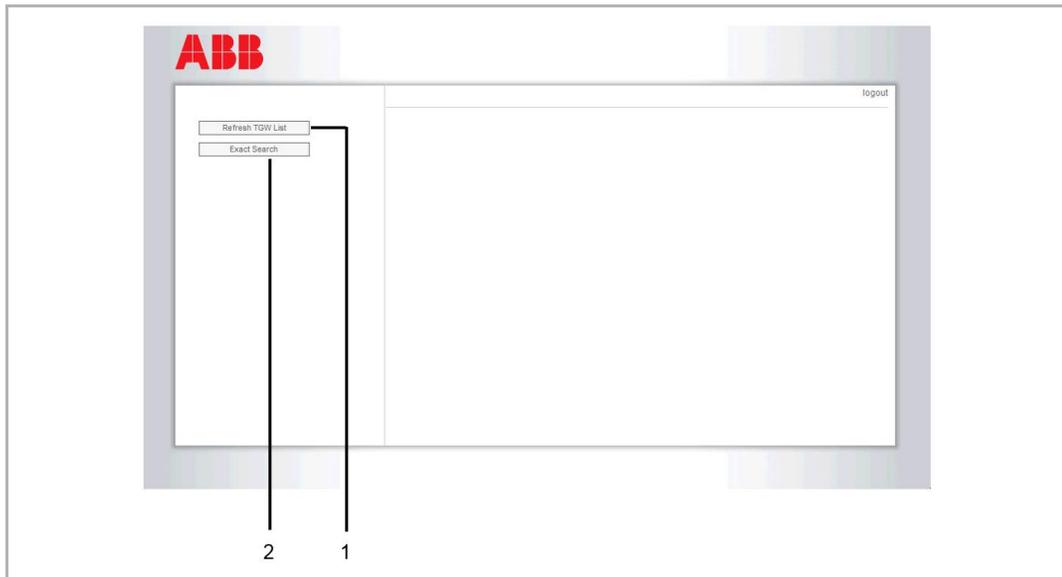
Via one IP-Gateway, the computer or laptop can configure all parameters configured by telephone.

1. Enter the homepage:



No.	Function
1	The default language is English, and clicking the flag can select other languages
2	Select Telephone Gateway from Device list
3	Click "Login" to enter the next level

2. Start searching the device



No.	Function
1	Click "Refresh" to search all existed Telephone Gateway.
2	Click "Exact Search" to search the targeted Telephone Gateway. Telephone Gateway number must be input firstly.

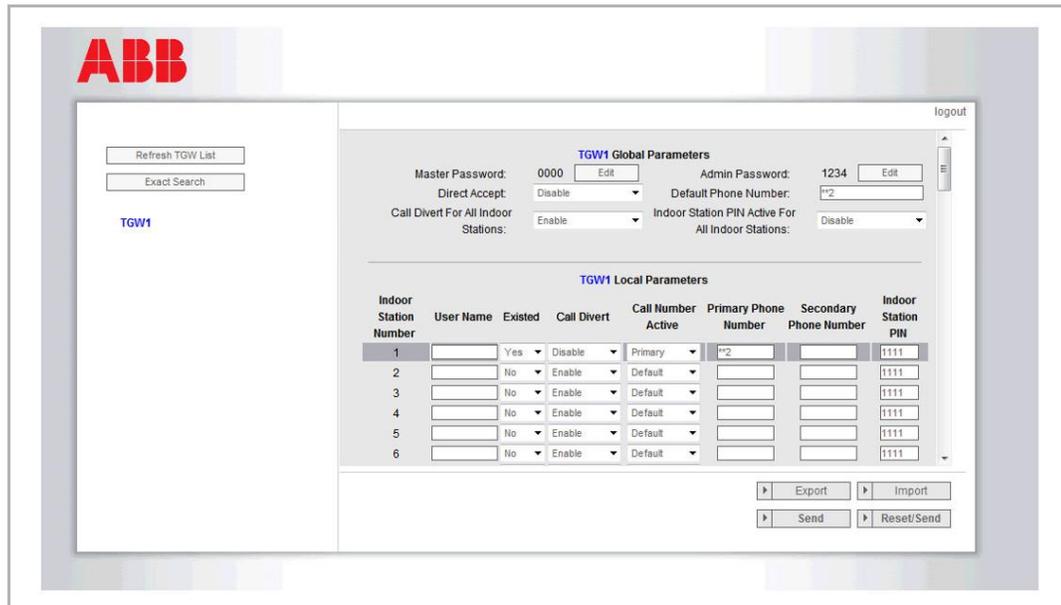
3. The result of searching is displayed as follows:



4. Select a Telephone Gateway device in the list, and input the password. Default password:1234.



5. If the password is correct, it will display as follows:



No.	Function
1	Click "Edit" to change the password, all passwords are 4 digits and plain code
2	Installer can select "Enable" or "Disable" for Direct-accept from the list
3	Installer can Enable/Disable "Call Divert for All Indoor Stations"
4	This Admin Password is used when user logs in TGW
5	Installer can edit Default Phone Number directly with maximum 16 digits
6	Installer can Enable/Disable "Indoor Station PIN Active for all Indoor Stations"
7	All Indoor Station numbers are listed from 1 to 250
8	Installer can select "Yes" or "No" from "Existed" according to actual installation <ul style="list-style-type: none"> ▪ If "Yes" is selected, all parameters on its right can be edited. ▪ If "No" is selected, all parameters on its right is deleted, which means this Indoor Station is deleted from the Indoor Station address.
9	Installer can select "Enable" or "Disable" from "Indoor Station PIN Active"
10	Installer can select "Default" or "Primary" or "Secondary" from "Call Divert Number Active"
11	Installer can edit Primary and Secondary Phone Number, with maximum phone number is 16 digits
12	Installer can edit Indoor Station PIN, PIN is 4 digits and plain code
13	Click "Export", all current parameters of the Telephone Gateway are exported to *.txt. If the installer did modification but didn't click "Send", then click "Export", the original parameters are exported.

No.	Function
14	After imported, installer must click "Send" to send these parameters to Telephone Gateway (This is only for replacement in field)
15	Click "Import", can import parameters from a file in *.txt format. The file contains a JSON datastructure. To create a proper import file, export an example at first to have a template for the necessary structure.
16	Click "Reset & Send", and a double-confirmation window will pop up. <ul style="list-style-type: none"><li data-bbox="418 457 1364 510">▪ If click "OK", this table is reset to factory setting and factory setting also is sent to Telephone Gateway.<li data-bbox="418 516 1364 541">▪ If click "back", the pop-up window disappears without reset.
17	Click "Logout", and exit without sending the modification to Telephone Gateway.

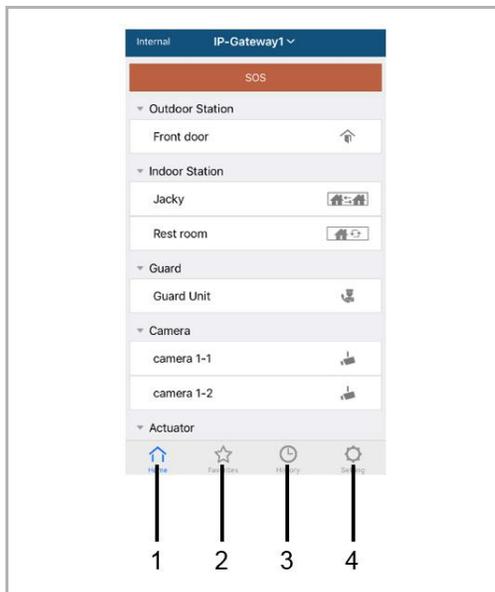
9.5 Integrating mobile end devices with the Welcome app

You can add end devices to the ABB-Welcome system from the Welcome app. The Welcome® app is available in two versions and supports the iOS and Android operating systems.

You can download the ABB-Welcome app from Google Play or the Apple App Store directly by entering keyword "ABB Welcome".

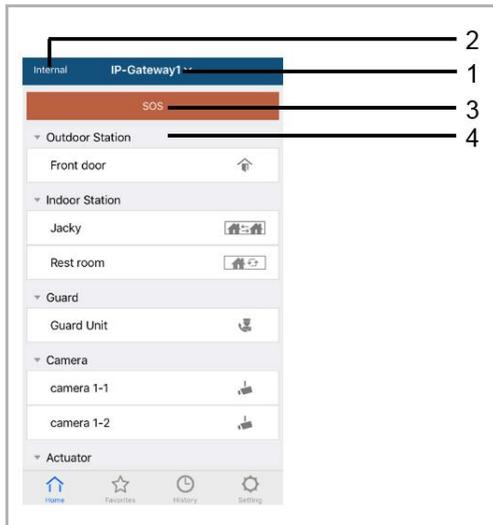
1. Install the Welcome® app on your smartphone or tablet PC.
2. Open the app and enter your data for access to the MyBuildings portal portal.
3. Coupling the IP-Gateway and the APP.
4. Set the permission of this APP.

Details see section "App Management".



No.	Function
1	Home page
2	Favorites page
3	History page
4	Setting: Ringtone, Repeated Ringtone, Manage IPGW, Blacklist, and so on.

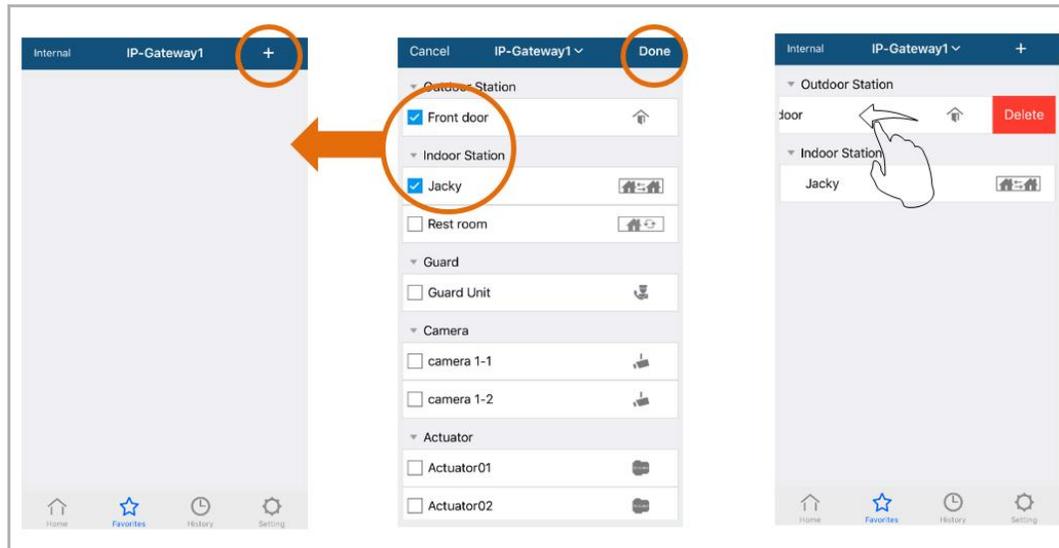
9.5.1 Home page



After pairing the mobile APP with IP-Gateway, the APP will synchronize the lists from IP-Gateway automatically. All the devices should be set in IP-Gateway PC website in advance.

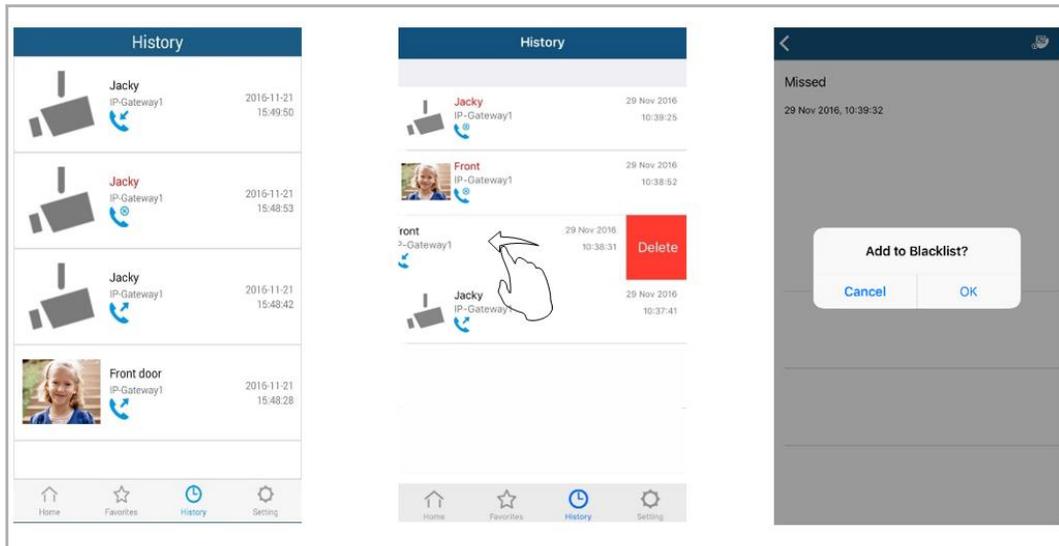
No.	Function
1	Friendly name of IP-Gateway. If more than one IP-Gateway paired with the APP, you could click drop-down box to choose the desired IP-Gateway to control.
2	Network status: Internal/External/Not connect.
3	SOS: Press this icon to send an alarm message to guard unit. This function is available only if guard unit is added in "device list" of IP-Gateway.
4	There are 5 kinds of control devices, press each icon to control the device directly. Outdoor station  Indoor station Home to home (H2H)  Room to room (R2R)  Camera  Actuator  Guard 

9.5.2 Favorites page



1. Add the list: Click “+” button, select the favorite function, click “Done” to save.
2. Delete the list: Press the bar and drag to the left. Then click “Delete”.

9.5.3 History page



1. View the history:

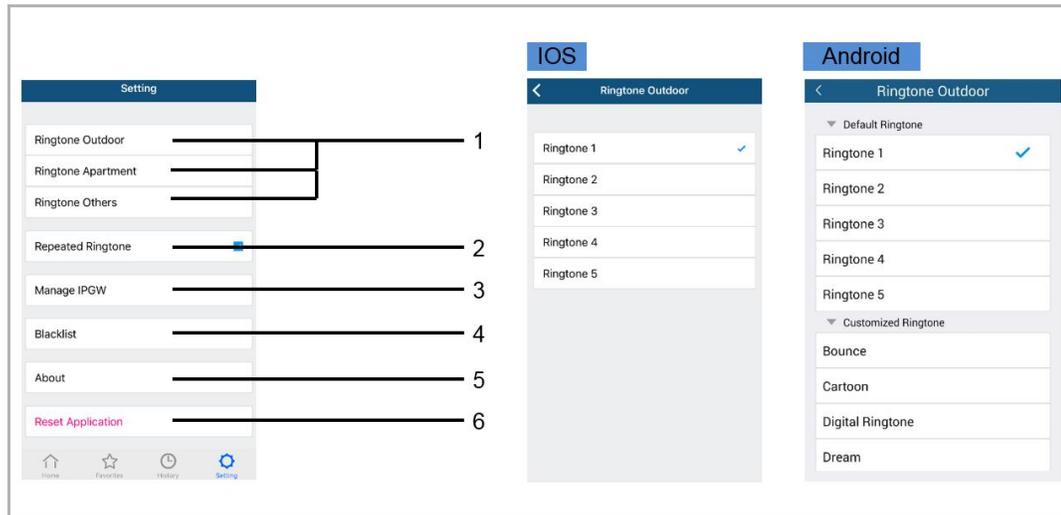
Click the snapshot to show the details.

-  Incoming call
-  Outgoing call
-  Missing call

2. Delete the history: Hold the bar and slide to the left. Then click “Delete”.

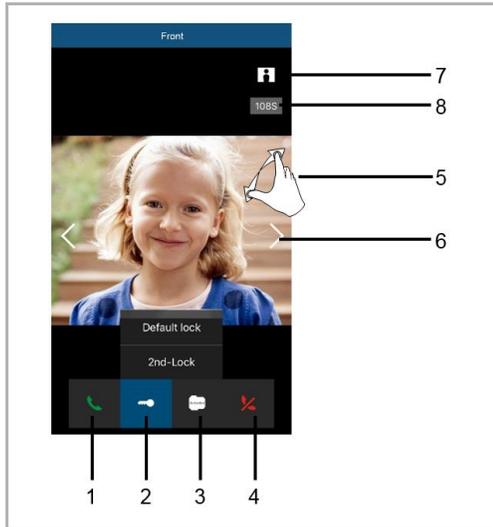
3. Add to blacklist: Select one record(Only the intercom call record can be set as blacklist), Click “blacklist” icon, then click “OK”.

9.5.4 Setting



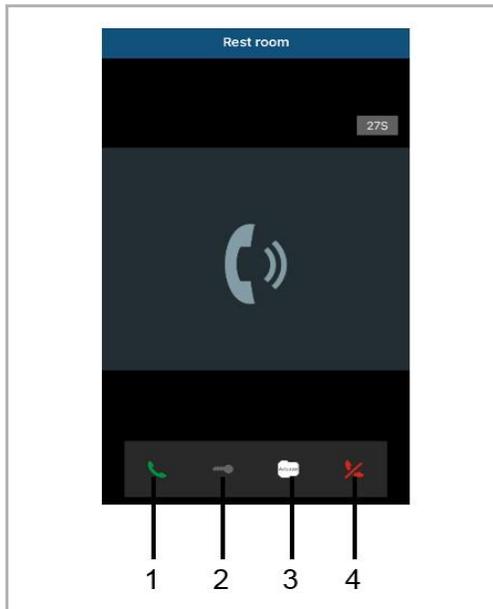
No.	Function
1	Choose Ringtone type (outdoor/apartment/others). For Android mobile, there are more ringtones (from mobile itself) to choose.
2	Repeated Ringtone. If this function is activated, the ringtone will ring 30 s during the calling.
3	Mange IPGW. This function is to pair mobile APP with IP-Gateway.
4	Click "Blacklist".Hold the bar and slide to the left. Then click "Delete".
5	Click "About", to show application information about mobile APP.
6	Click "Reset Application"to reset all configuration information of mobile APP. After resetting, you need to login and pair again.

9.5.5 Call from outdoor station



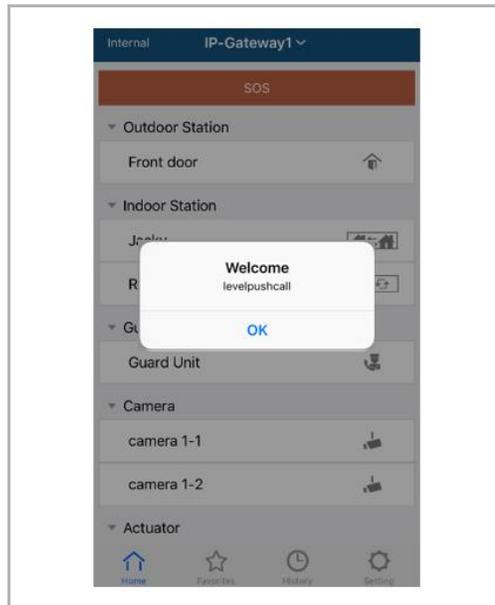
No.	Function
1	Press this icon to accept the call.
2	Press this icon to release a lock. The 2nd-lock function need to be set by IP gateway.
3	Press this icon to control designated switch actuator. The function needs to be activated through IP-Gateway setting firstly.
4	Press this icon to reject the call.
5	Double click on the image or spread two fingers to view full screen.
6	Press ">" or "<" to survey different cameras if have.
7	Press this icon to take a snap shot manually.
8	The rest time of the conversation.

9.5.6 Call from indoor station / guard unit



No.	Function
1	Press this icon to accept the call.
2	This function is disable in this case.
3	Press this icon to control designated switch actuator. The function needs to be activated through IP-Gateway setting firstly. See chapter Add device .
4	Press this icon to reject the call.

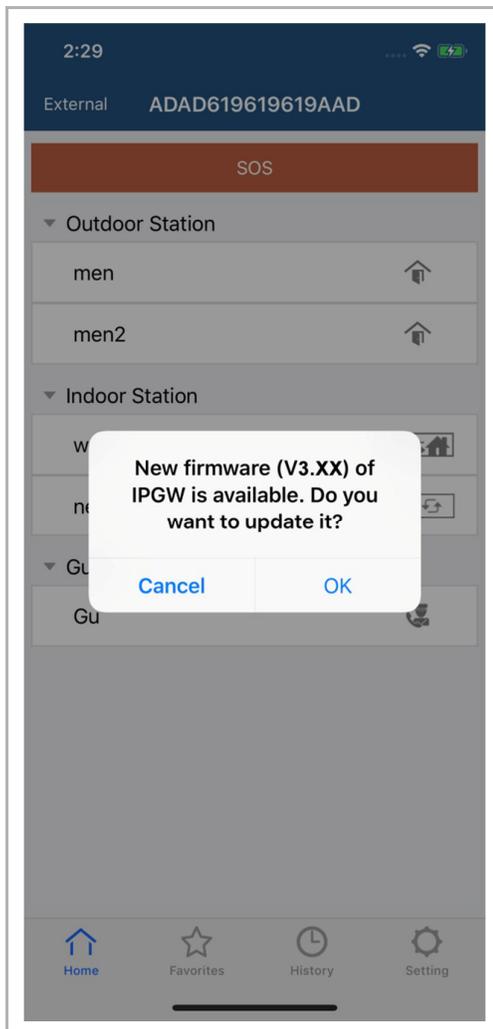
9.5.7 Call from apartment doorbell



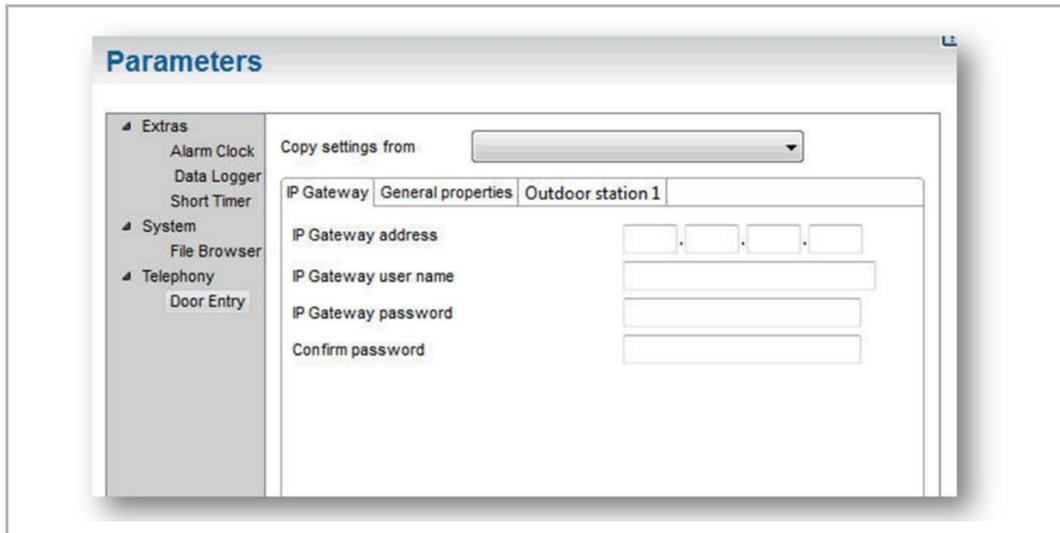
When the level pushbutton is pressed, a message will pop-up on mobile to inform you.

9.5.8 New version notice

If there is a new firmware, a window will be popped up to remind the upgrading.



9.6 Integrating a Busch-ComfortTouch® 3.0 or higher



The Busch ComfortTouch® series 3.0 or higher can be connected to a Busch Welcome® system directly via the IP gateway.

1. Create a user, e.g. ComfortTouch1, in the IP gateway. See section "Create new user".
2. Create a configuration project in IPP 3.x for the Busch-ComfortTouch®, a "Door Entry" application page.
3. Enter the "IP gateway address" and user in the "IP Gateway" tab.



Note

A detailed user description is available in the IPP online help.

9.7 Network security

This product is designed to be connected to and to communicate information and data via a network interface. It is your sole responsibility to provide and continuously ensure a secure connection between the product and to your network or any other network (as the case may be). You shall establish and maintain any appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of anti-virus programs, etc) to protect the product, the network, its system and the interface against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information. ABB Ltd and its entities are not liable for damages and/or losses related to such security breaches, any unauthorized access, interference, intrusion, leakage and/or theft of data or information.

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