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Operating Instructions
ABB-Welcome

IP gateway
83342-500
83342-515

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1 Information about the IP gateway

1.1 General information

Please read this manual through carefully and adhere to the information listed. This will ensure reliable operation and long service life of your product.
For reasons of clarity this manual does not contain all the detailed information on all the models of the product, nor can it take into consideration all conceivable circumstances related to installation, operation and maintenance. If additional information is required or problems arise that are not dealt with in this manual, the necessary information can be requested from the manufacturer.
The product 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. To maintain this state for the period of its operation the specifications of this manual must be observed and adhered to. Modifications and repairs to the product must only be undertaken if the manual expressly permits this.
It is only the adherence to the safety instructions and all safety and warning symbols in this manual that will ensure the optimum protection of the user and the environment as well as the safe and trouble-free operation of the product.

1.2 Structure of the manual

- This manual provides you with the detailed technical information about the device, its installation and configuration. The use of the device is explained by means of examples.
- The chapters "Information on the manual", "Safety", "Environmental information" and "Product overview" contain general specifications and basic information as well as a description of functions.
- Chapters "Technical data" and "Mounting and electrical connection" describe the device technology and installation, mounting and the electrical connections.
- Chapters "Commissioning" and "Configuration" contain instructions on commissioning and setting up or integrating the device.
- Chapter "Maintenance" contains information about cleaning, fault condition diagnostics and repairing the device.

1.3 Symbols in the manual

Danger - danger to life

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

Warning - danger to life

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

Caution - risk of injury

This symbol in connection with the signal word "Caution" indicates a possibly dangerous situation which could lead to slight or moderately serious injury.

Attention - damage to property

This symbol indicates a possibly harmful situation. Non-observance of the safety instructions 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 refers to integrated videos with additional information on the respective chapter. An Acrobat Reader from Version 9.0 is required to view the videos.

This symbol indicates information on the protection of the environment.

Examples on application, installation and programming are displayed with a grey background.

2 Safety

Warning

Electric voltage!
Risk of death and fire due to electrical voltage of 230 V.
– Work on the 230V supply system may only be performed by authorised electricians!
– Disconnect the mains power supply prior to installation and/or disassembly!

Caution

Risk of damaging the device due to external factors!
Moisture and contamination can damage the device.
That is why the device must be protected against humidity, dirt and damage during transport, storage and operation!

2.1 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).

2.2 Improper use

The device is dangerious 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.

2.3 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.

2.4 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.

3 Environment

Consider the protection of the environment!
Used electric and electronic devices must not be disposed of with domestic waste.
– The device contains valuable raw materials which can be recycled. Therefore, dispose of the device at the appropriate collecting depot.

All packaging materials and devices bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.
The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.
(EU Directive 2002/96/EC WEEE and 2002/95/EC RoHS)
(EU REACH ordinance and law for the implementation of the ordinance (EC) No.1907/2006)

4 System requirements

Note

When choosing the installation site, 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 communication system including at least one outdoor station and one system controller
- IP network (should connect mobile devices, must have a WLAN 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:
- The **ABB**-*ComfortTouch*® series 2.4 or higher
- Mobile terminal devices with Google Android (from Android 4.0 and Cortex-A8 CPU) or Apple iOS (from iOS 5) operating system

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
- Camera for fast configuration via QR code
- Account at myABB-LivingSpace (see: my.abb-livingspace.com) or DynDNS account.

Note

To correctly route calls from the Internet, Alternatively, a IP gateway must have a static IP address. Use the my ABB webservice. If not, a DynDNS service can ensure that calls are correctly routed (see section ""Network configuration" page").

5 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.

Three options are available to you for commissioning:

Commissioning	Description
Version 1 - UPnP	Commissioning with the Windows UPnP service (Windows Vista or higher)
Version 2 - DNS Server	Commissioning via a router with DNS server
Version 3 - Manual	Manual commissioning
Version 4 - IP address	Enter IP address directly

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

5.1 Commissioning 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 same network.
– The IP gateway is connected and ready for operation.

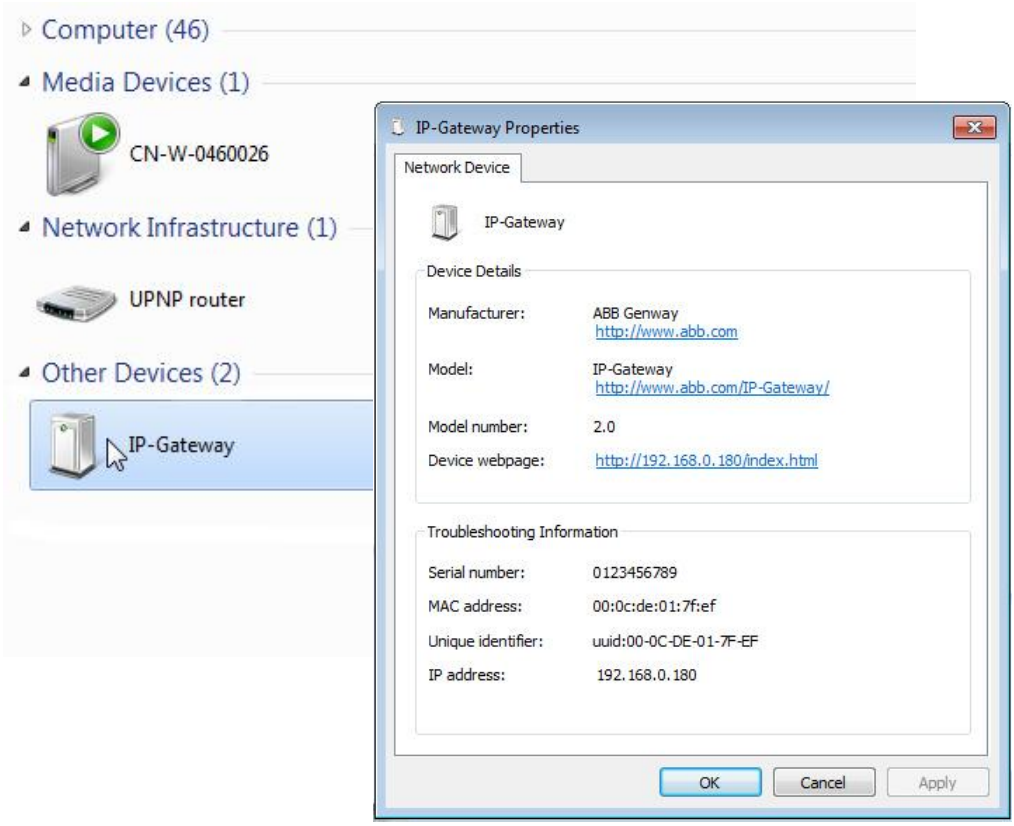


Fig. 1: Windows UPnP service

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.
   A browser window with the configuration interface automatically opens.

Note

If the browser does not open automatically, the device properties appear instead. Copy the displayed IP address, e.g. 192.168.10.192, and enter it manually into the browser's address bar.

5.2 DNS Server

Preconditions:
- Router with DNS server

1. Enter the IP gateway followed by the domain name of the router in the address line of your browser. Example: IP-Gateway.fritz.box
2. A browser window with the configuration interface opens with a press of the Enter key.

5.3 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.

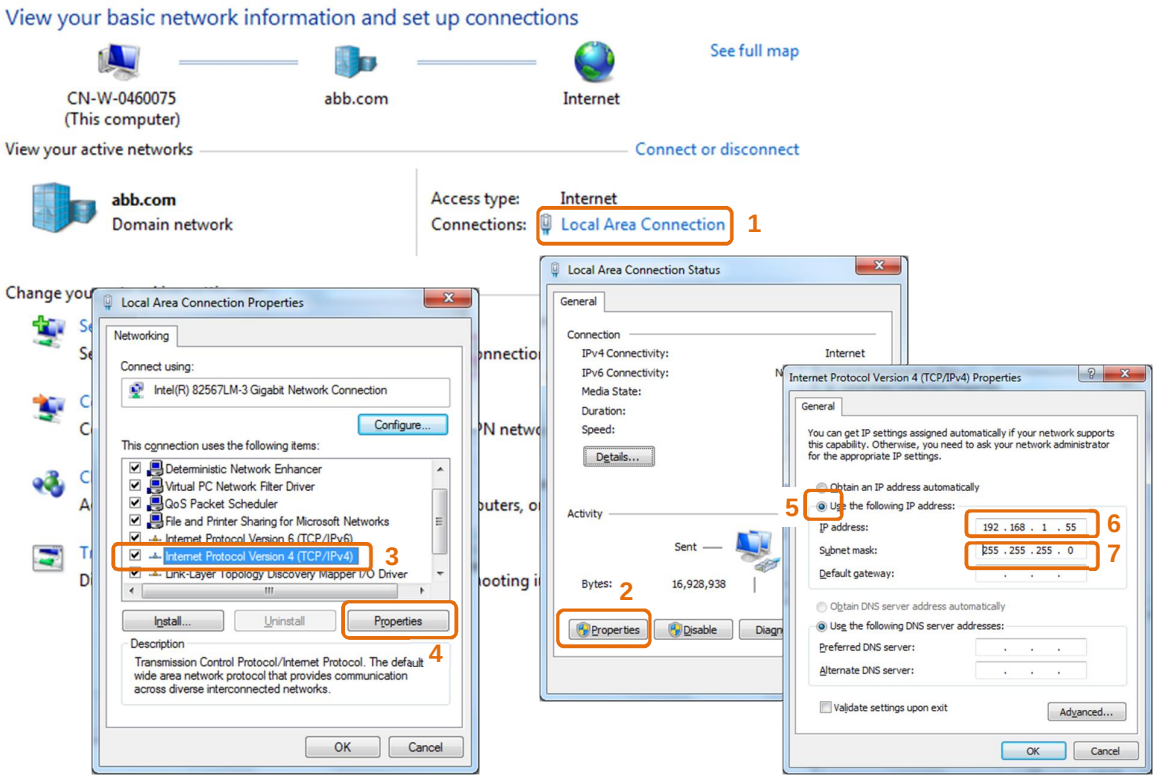


Fig. 2: Manual configuration

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.

5.4 Entering the IP address directly

Enter the IP address of the gateway directly into the address line of your browser.
You can display the current IP address of the gateway as follows:

1. Open the user interface of your router. Here you will see a list of all connected devices including their names and IP addresses. For example, when using a Fritzbox under: Home network / network list. Copy the IP address of the device "IP gateway" and insert it in the address line of your browser to call up the user interface of the gateway.
2. Use a special program to identify the IP addresses and associated devices in the network. For example: SoftPerfect Network Scanner (Windows); Overlook Fing (iOS/ Android)

6 General function of home page

All configurations are set in the browser interface.

6.1 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.

6.2 Login

Fig. 3: Login window

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.

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

User name:	admin
Password:	admin

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

The window with the network information appears.

6.2.1 RESET

Note
If you forget your login data, 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

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

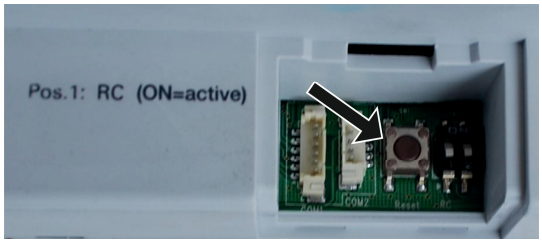


Fig. 4: Position of the RESET button

7 Configuration for IP Gateway

7.1 Network information

The network information appears after logging in.

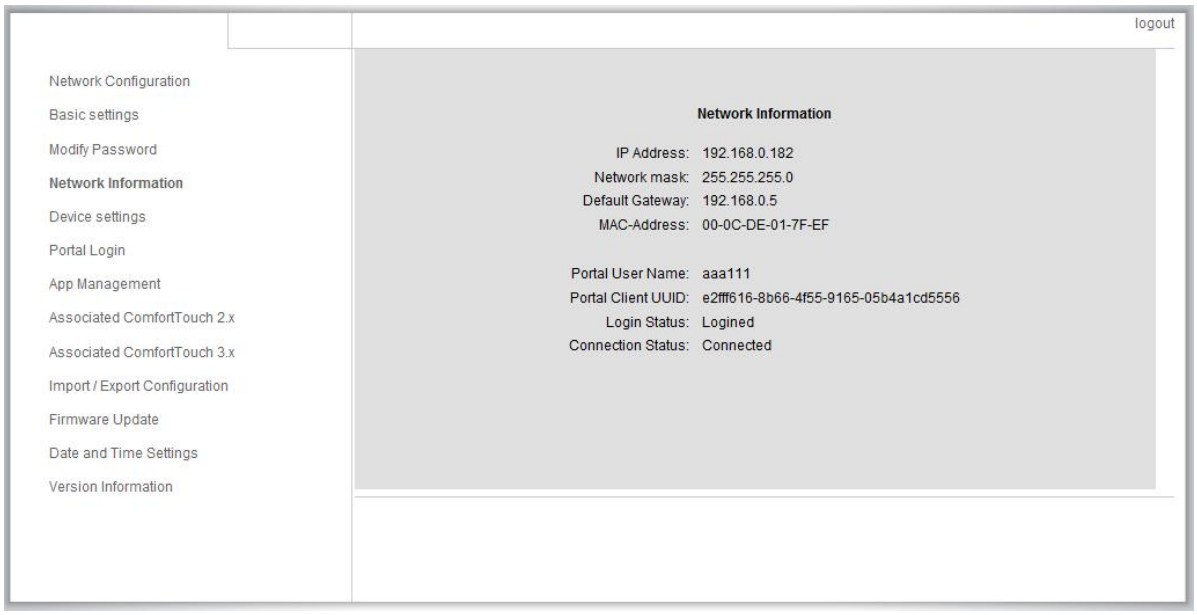


Fig. 5: Network information

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.

Note

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

7.2 "Network configuration" page

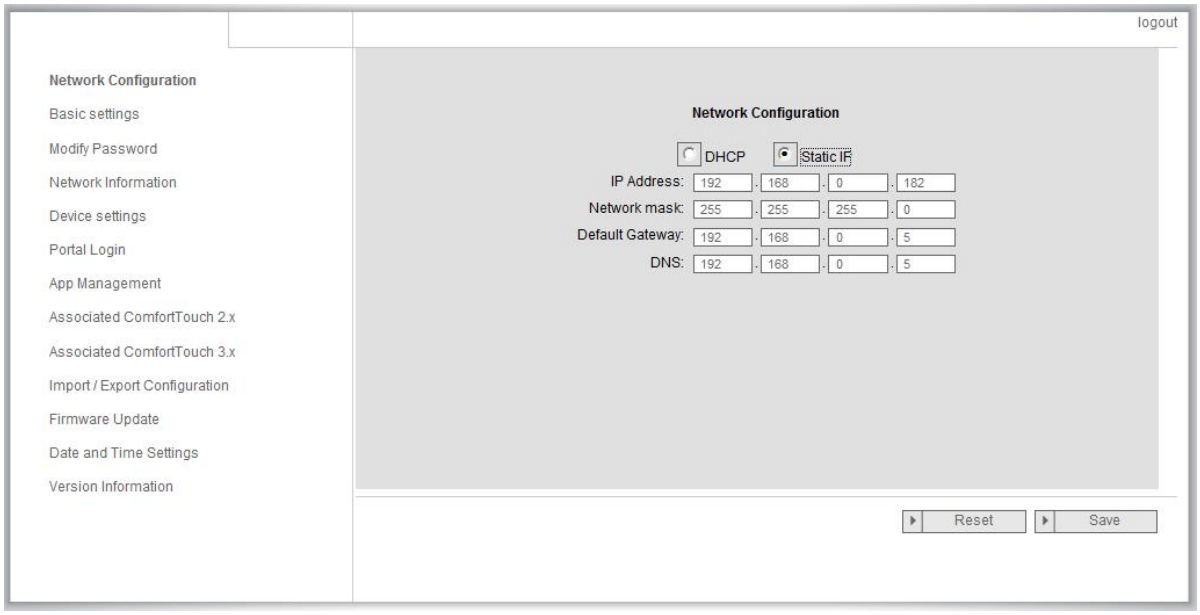


Fig. 6: "Network configuration" page

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:
The following option is also available:

7.3 "Basic settings" configuration page

Fig. 7: "Basic settings" configuration page

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 mobile terminal devices and **ABB**-*ComfortTouch*® can be connected to a call button.

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

7.4 "Change password" configuration page

Fig. 8: "Change password" configuration page

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.

7.5 "Device settings" configuration page

Fig. 9: "Device settings" configuration page

All outdoor stations to be connected to the IP gateway (max. 4) must be listed in the *Device settings*.

Add device:
You can add individual devices on this page.
For the next steps, see the "Add devices" section below.

The configuration page displays a list of added devices.

ID
The ID is the sequential number of the device.

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.

Device type
This is the device type description.

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).

Name
When using the Welcome app, the name is shown.

7.5.1 Add device

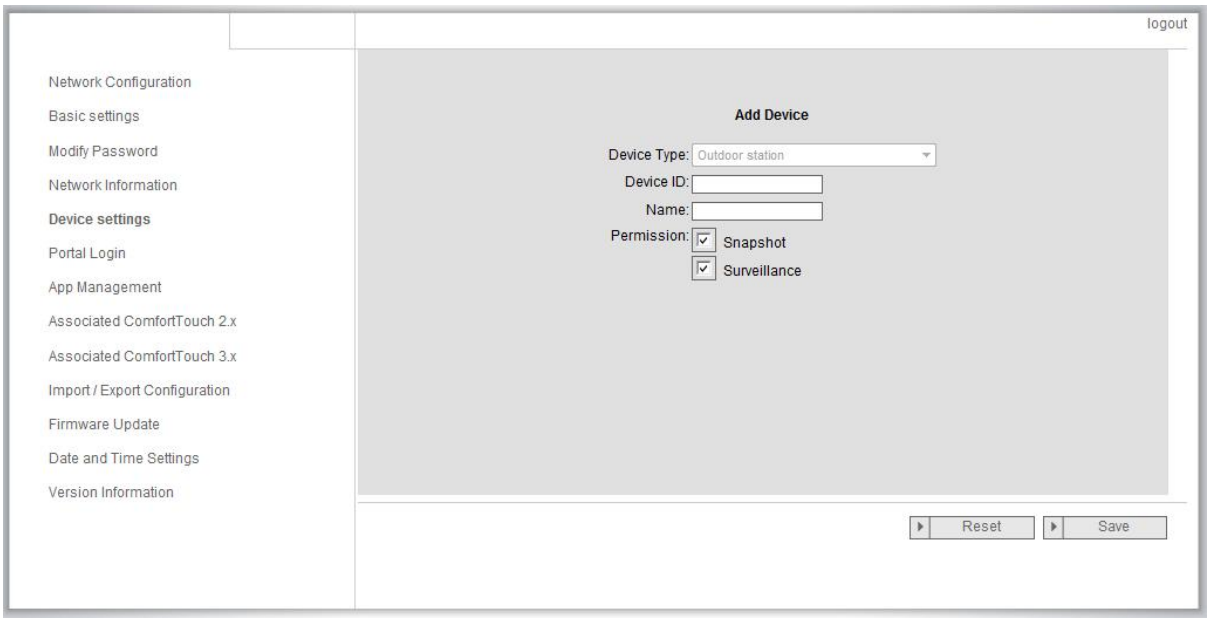


Fig. 10: "Add device" configuration page

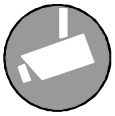
Device type
Select the required device type from the "Device type" drop-down list.

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

Device ID
Enter the address set on the first control dial of the outdoor station (1 – 4).

Name
The device name, e.g. for incoming calls, appears on the display of the mobile device or **ABB**-*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.

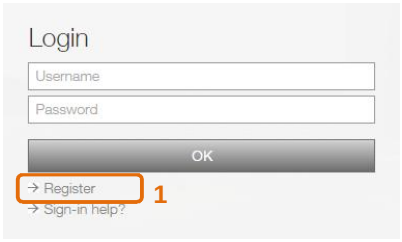


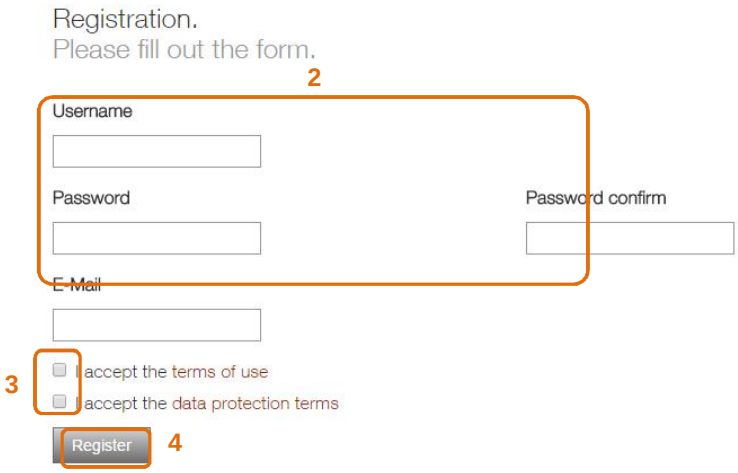
Note
Making and saving video recordings can infringe on personal rights!
Always observe applicable legal and labeling requirements for placement and operation of video components!

7.6 "Portal Login" configuration page

Fig. 11: "Portal Login" configuration page

1. Register a new username from this website: https://my.abb-livingspace.com





2. Input the username,password and e-mail address to receive your activation link.
3. Read and accept both of the items.
4. Click the “Register” button.
5. Activate your user account following the instructions in the activation mail.
6. Login the user name and password on "Portal Login" configuration page.

Friendly Name
Name for this IP gateway, Which will be displayed in the device list of your Welcome App e.g. on your smartphone.

7.7 "App Management" configuration page

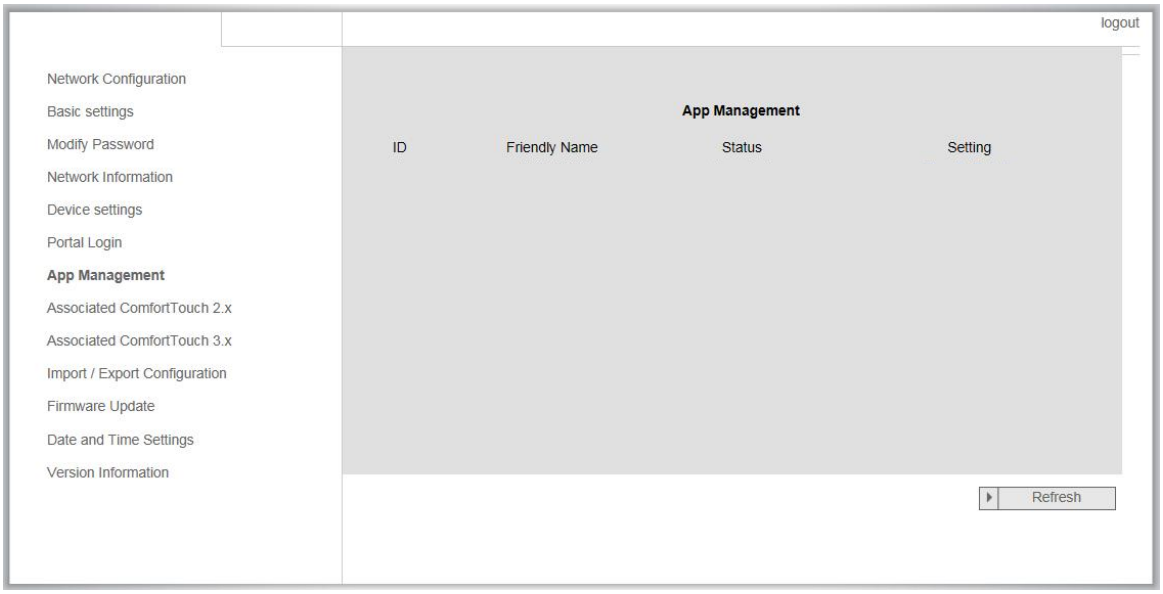
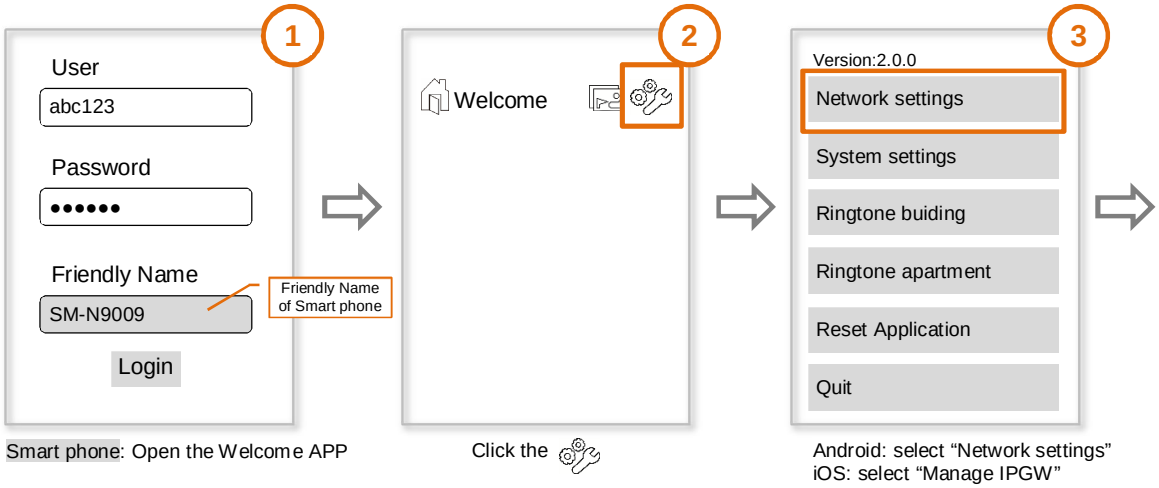


Fig. 12: "App Management" configuration page

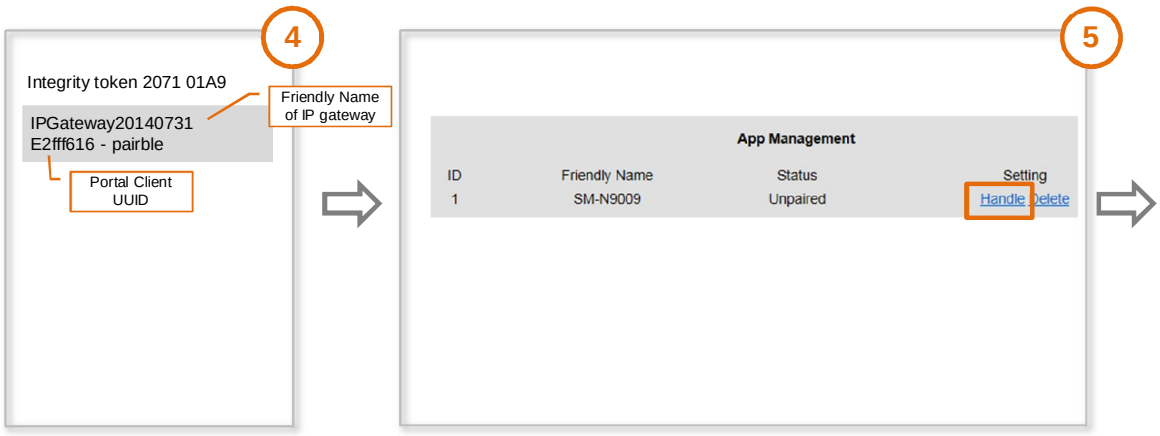
Pair IP gateway and smart phone:



Smart phone: Open the Welcome APP

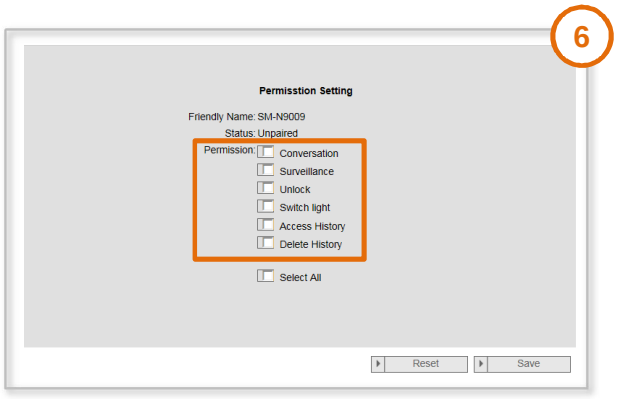
Click the

Android: select “Network settings”
iOS: select “Manage IPGW”

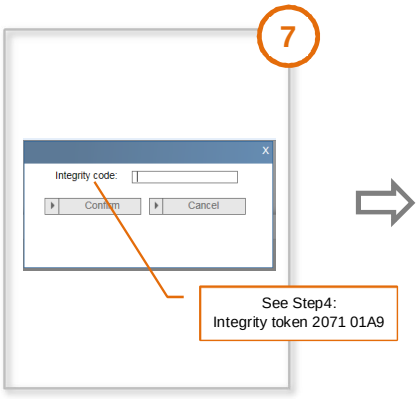


Select the IP gateway to pair

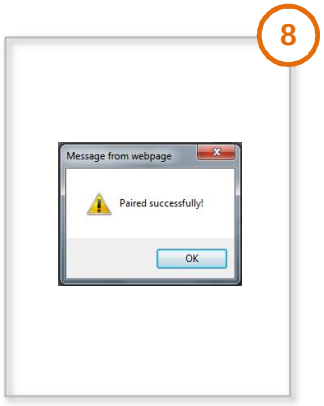
IP gateway: "APP Management" configuration page displays the pairing request, click the “Handle” button.



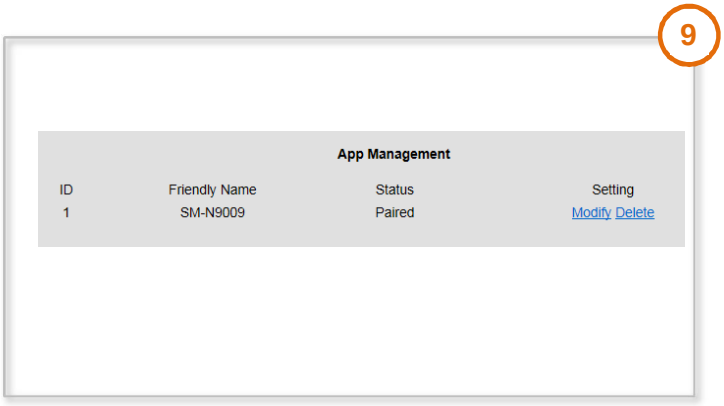
After configure the pemission, click the “save” button



Input the “Integrity code” which displayed on smart phone



Paired successfully



Finish the App Management

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.

7.8 "Associated ComfortTouch 2.x" configuration page

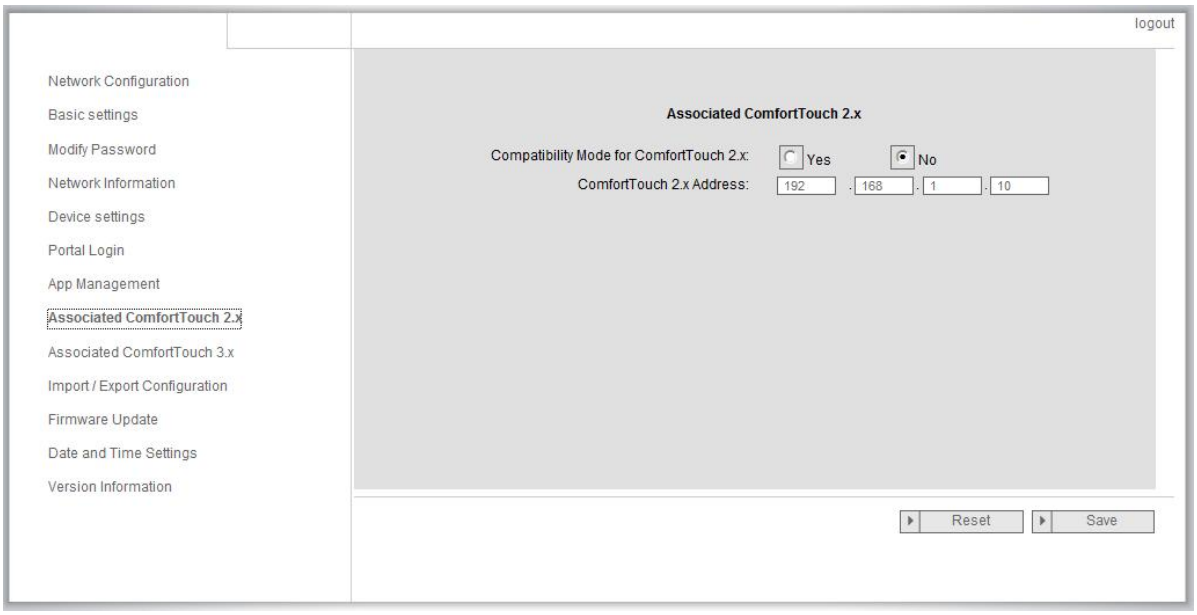


Fig. 13: "Associated **Busch**-*ComfortTouch*® 2.x" configuration page

The IP gateway can be used to control one **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.

7.9 "Associated ComfortTouch 3.x" configuration page

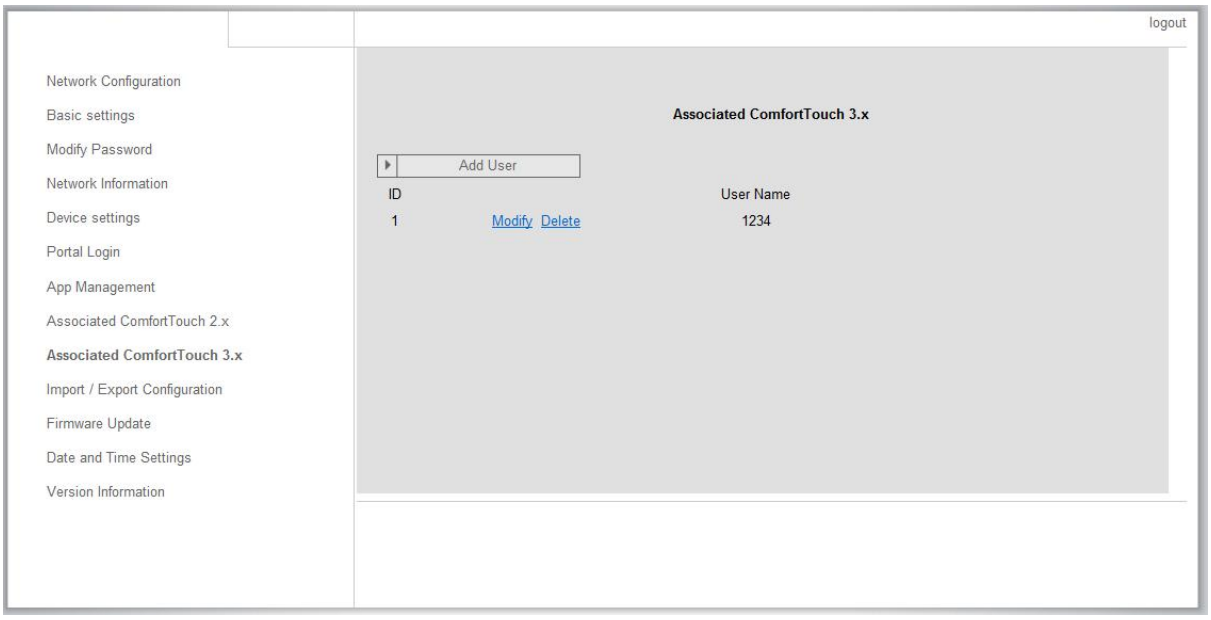


Fig. 14: "Associated **Busch**-*ComfortTouch*® 3.x" configuration page

The IP gateway can be used to control one **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.
1. Click the *"Add user"* button.

The description of the "Create new user" configuration page explains this function.

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.

7.9.1 "Add user" configuration page

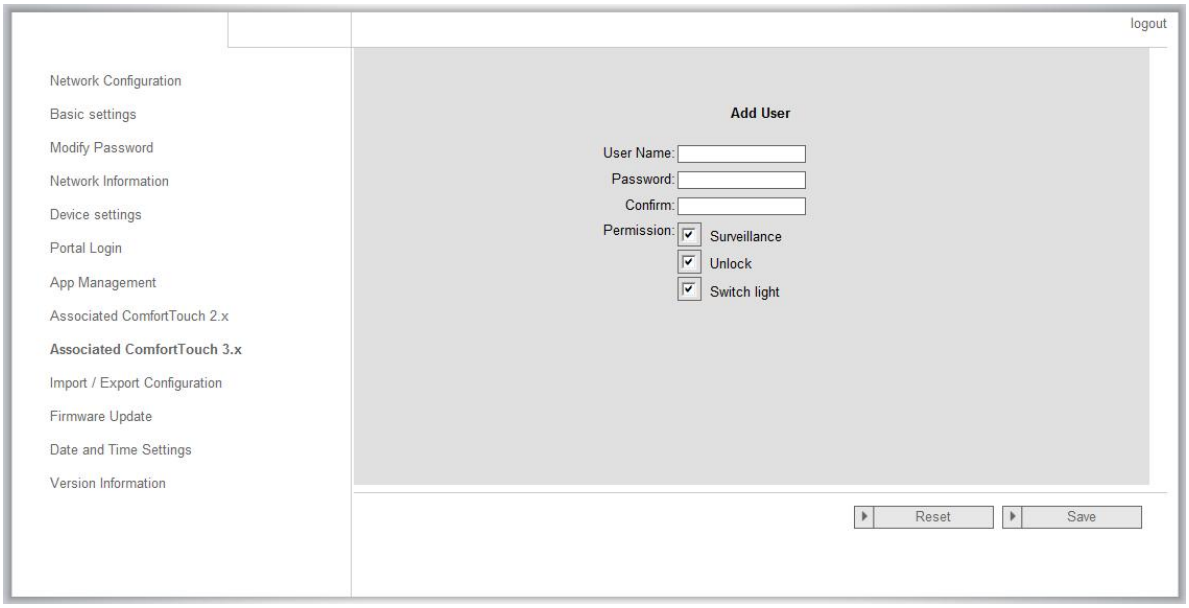


Fig. 15: "Add user" configuration page

The "Add user" configuration page opens.

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. Smartphone1. Spaces and special characters are not allowed.

Permission
You can assign the following permissions to the user:

Surveillance
The user can use the Welcome app to establish a video connection to the outdoor station (e.g. using a smartphone or tablet) without there being a door call.

Unlock
Specify if the door can be opened by a smartphone, for example, or if only the incoming call and video signal are transmitted.

Switch light
This function is only available if the lighting, e.g. the staircase lighting, can be switched on/off directly from the Welcome system.

Save new user
1. Click the "Save" button.
   The new user is saved.

7.10 "Import / Export configuration file" configuration page

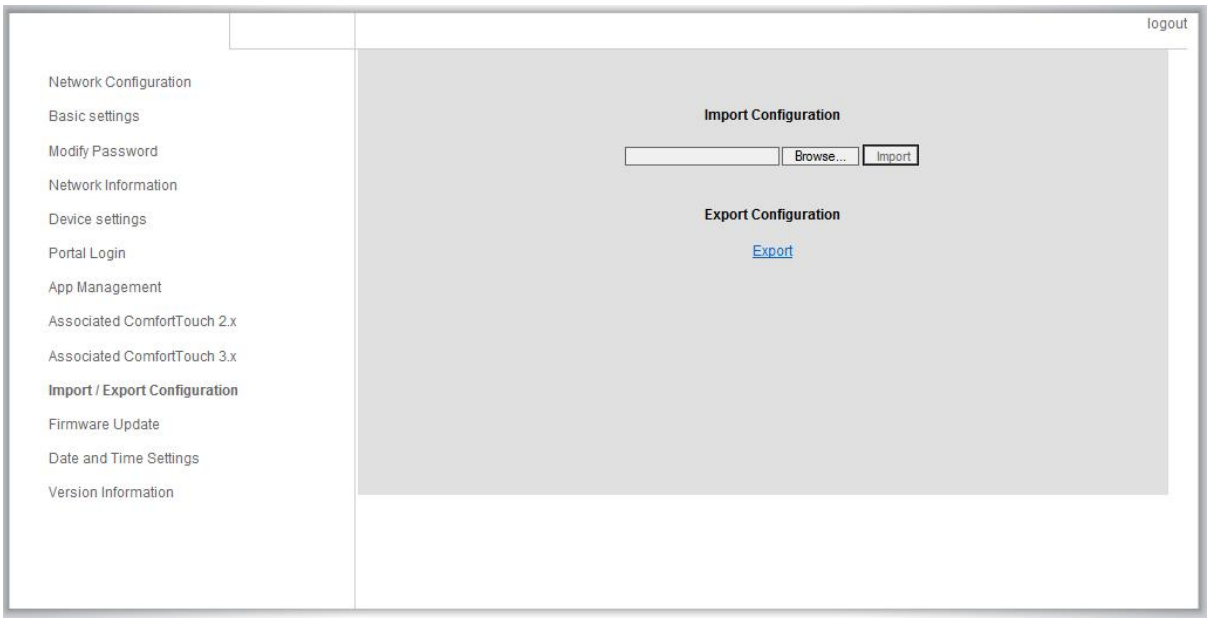


Fig. 16: "Import / Export configuration file" configuration page

Note

The option to create and replace an IP gateway configuration file is for service purposes only and should only be used by the Busch-Jaeger Service Center on request for diagnosing errors.

7.11 "Firmware Update" configuration page

Fig. 17: "Firmware Update" configuration page

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 and to update to the myABB-LivingSpace solution.

Note
Before updating the firmware, always check if the update bears a date more recent that the software already installed. See also the section "Version information".

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

When determining your current software version, observe especially the instructions of the IP gateway operating manual, which can be downloaded at www.busch-jaeger-katalog.de/8300-0-0328,artikel.html.
Open the web interface of the IP gateway via your browser and log yourself in.
Under menu item Versions Information, check the current software version of your IP gateway (in the second line of the display ASM04_GW_V...).

Note
All settings of the IP gateway are deleted during the update. Please first note down the details specified under basic settings and device settings.

1. Download the current software from the Busch-Jaeger e-catalogue at "www.busch-jaeger-katalog.de/8300-0-0328,artikel.html".
2. Save and unpack the zip archive on your PC.
3. Open menu item firmware update and upload the .tar file. This process can take up to 10 minutes. The device must not be disconnected from the power supply during this period.

1. The IP gateway with the new software is now ready for operation. The user name and password have been reset to the factory settings admin / admin. Assign a new password if necessary.
2. Re-enter the configuration data (basic settings, device settings).
3. 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.
For a new assignment of the IP address, please observe the details in chapter 5 of the IP gateway manual.

Note

After a software update of the IP gateway, the entire Welcome installation must be disconnected from the power and then restarted. This step is necessary to ensure that the system controller accepts the IP gateway as authorized device and as part of the installation. If this step is not carried out, only the transmission of audio and video signals functions. A door cannot be opened.

7.12 "NTP settings" configuration page

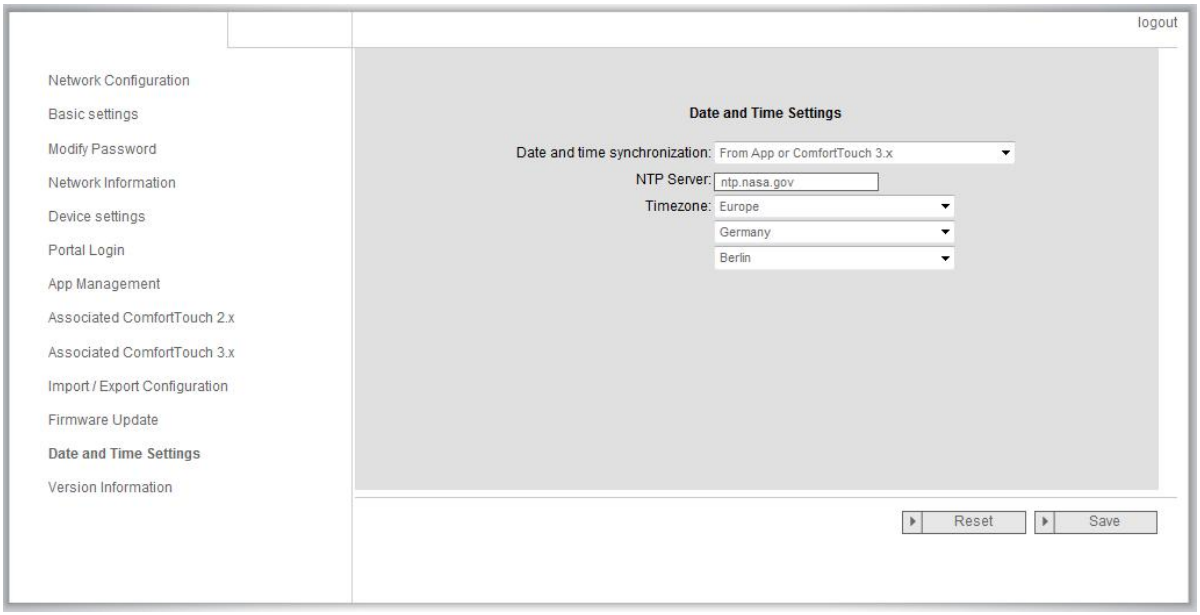


Fig. 18: "NTP settings" configuration page

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.
   The "ntp.nasa.gov" server is already preset.
3. Set the time zone for your location.
4. Save your entries.

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

1. 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.

7.13 "Versions Information" configuration page

Fig. 19: "Version Information" configuration page

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 that the software already installed.

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

Fig. 20: Creation date, position of the firmware

The figures above provide examples of a Zip archive with the creation date 25.12.2012 and the corresponding version information.

8 Configuration for Telephone Gateway

Via one IP-Gateway (83342, 83342-5xx), the computer or laptop can configure all parameters configured by telehpone.

1. Log in via website: 192.168.0.2, then enter the homepage:

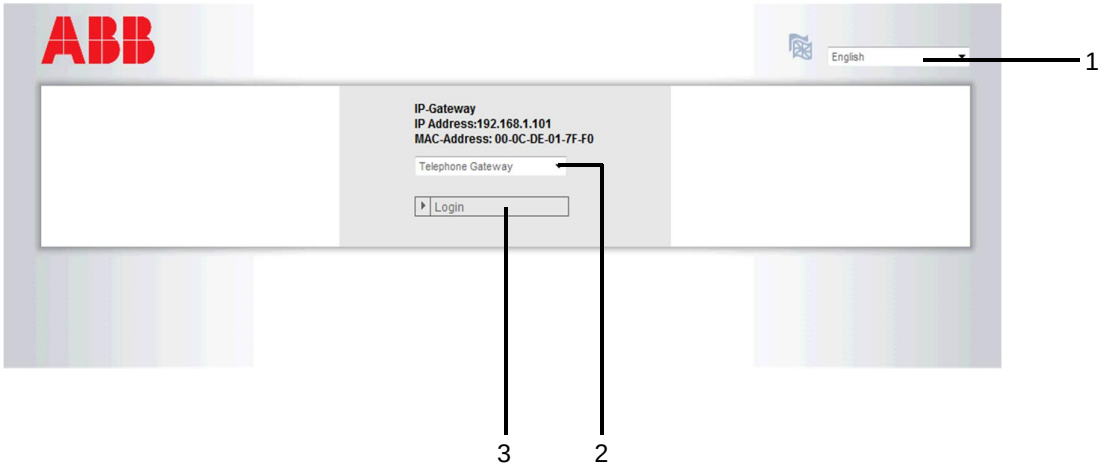


Fig. 21

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

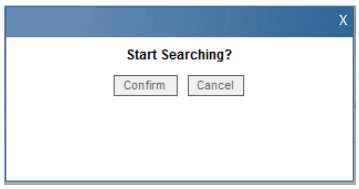


Fig. 22

3. The result of seaching is displayed as follows:

Fig. 23

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.

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

Fig. 24

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

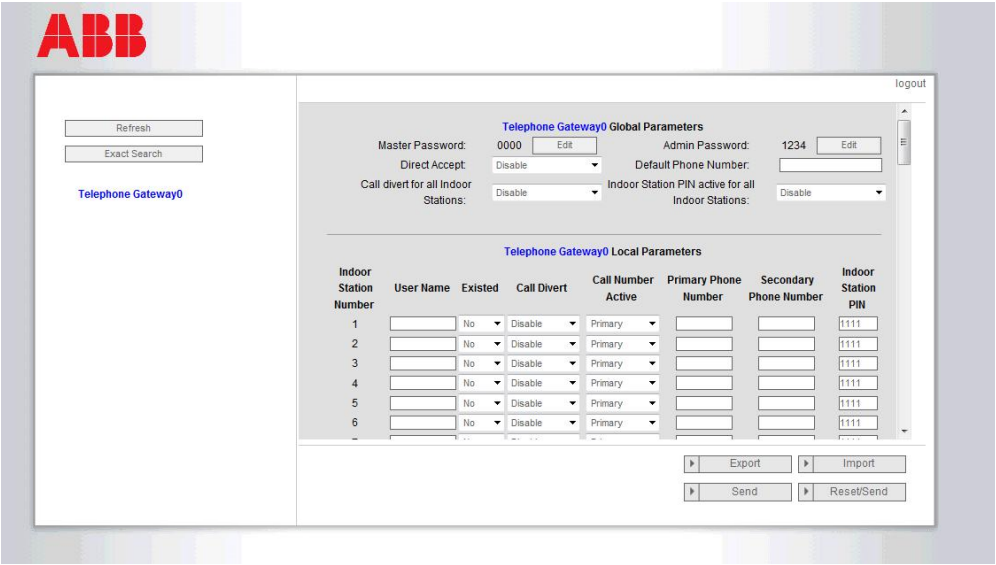


Fig. 25

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 logins TGWx
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 99
8	Installer can select "Yes" or "No" from "Existed" according to actual installation a. If "Yes" is selected, all parameters on its right can be edited b. 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.
14	After imported, installer must click "Send" to send these parameters to Telephone Gateway (This is only for replacement in field)
15	Clicking "Import", can import parameters from one file with name *.txt. All parameters are updated in above table
16	Click "Reset & Send", and a double-confirmation window will pop up. a. If click "OK", this table is reset to factory setting and factory setting also is sent to Telephone Gateway. b. If click "back", the pop-up window disappears without reset.
17	Click "Logout", and exit without sending the modification to Telephone Gateway.

9 Configuration for Access Control modules

9.1 Keypad module

Via one IP-Gateway (83342, 83342-5xx), the computer or laptop can configure parameters configured by Keypad module.

1. Log in via website: 192.168.0.2, then enter the homepage:

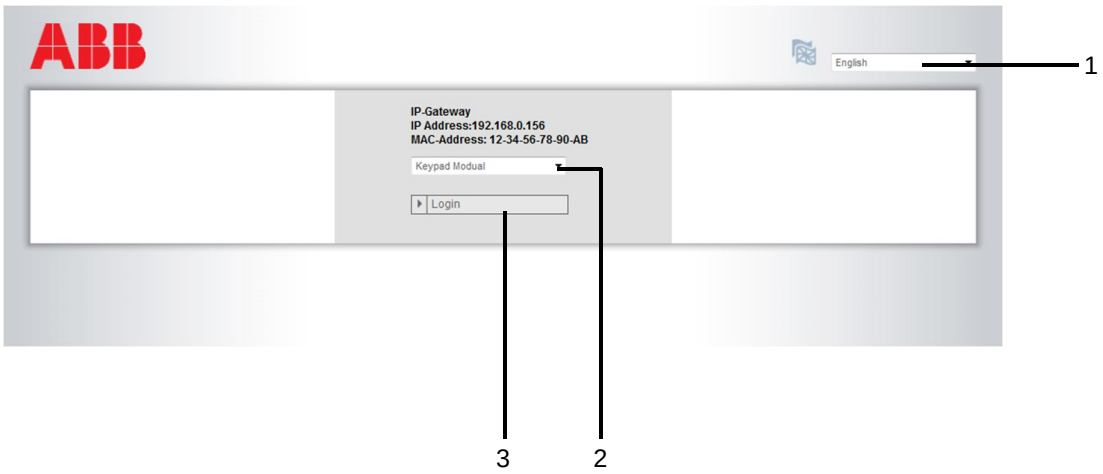


Fig. 26

No.	Function
1	The default language is English, and clicking the flag can select other languages
2	Select Keypad Module from Device list
3	Click “Login“ to enter the next display

2. Start searching the device

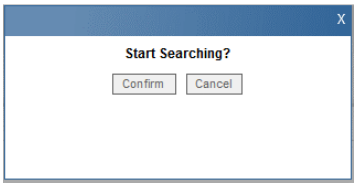


Fig. 27

No.	Function
1	Click "Confirm" to search all existed keypad module.

3. The result of seaching is displayed as follows:

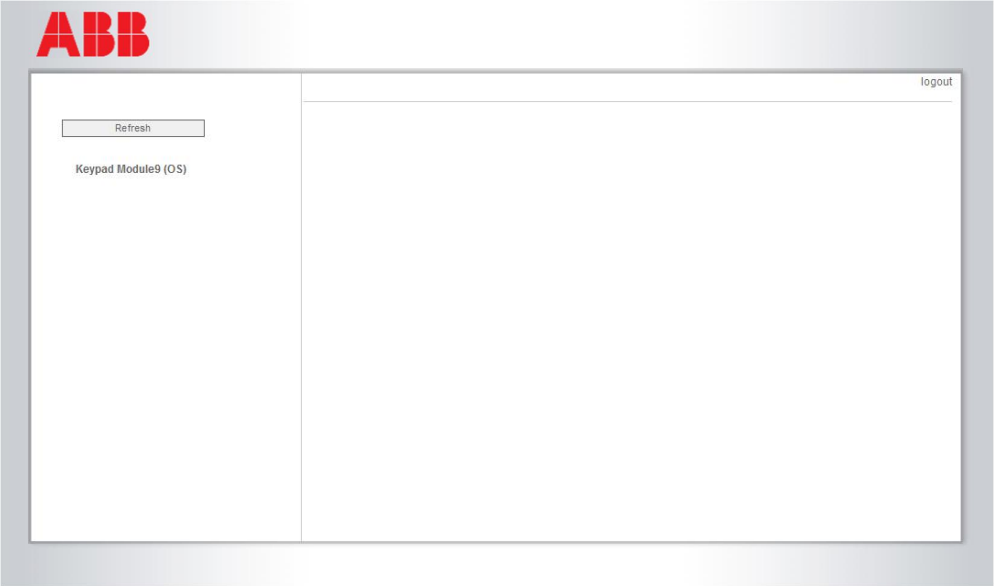


Fig. 28

4. Select a Keypad module in the list, and input the password. Default password:1234.

Fig. 29

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

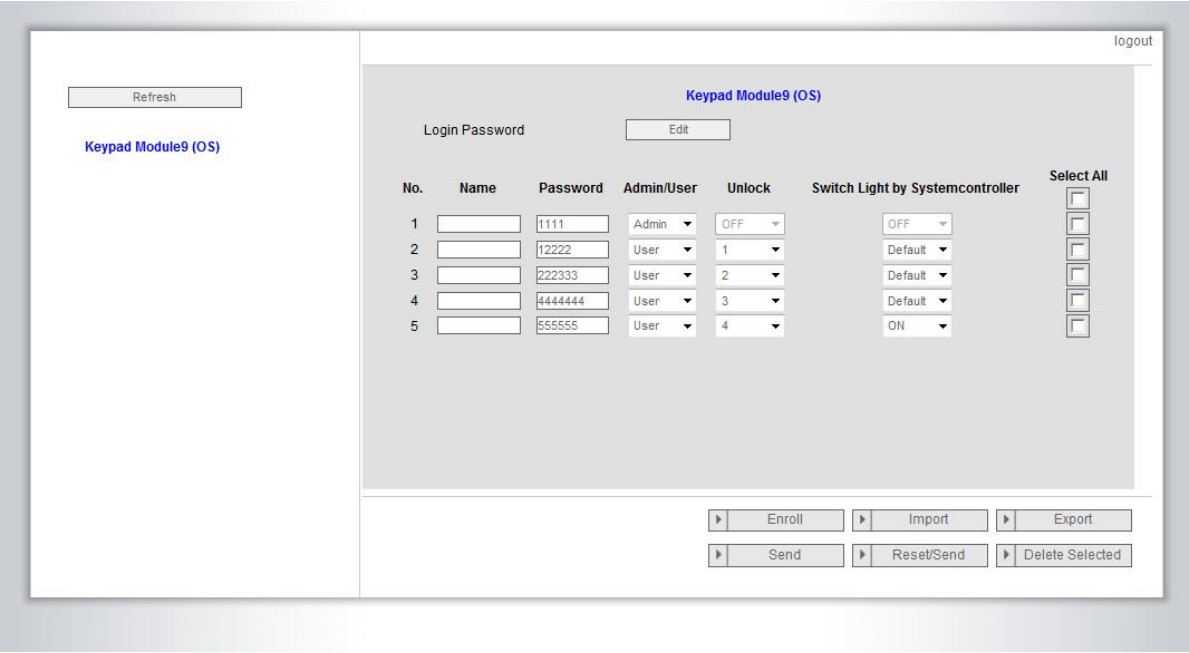


Fig. 30

Fuction	Description
Button: Edit	Notice! Please change default AC module password for accessing the IP-gateway. Click " Edit " to change the access module password, a password must be a 4 digit number.
Button: Enroll	Click " Enroll" to enroll a new user. The Name and user password (Mandatory) can also be edited. Name max length is 12 digits. Password must be a 3 to 8 digit number. The new enrolled user is enabled just to open the door (user) or to act as administrator (admin).
Column “Unlock”	Select the door, the current user should be able to open (1-4). By choosing “Off”, no door can be opened.
Column “Switch Light by Systemcontroller”	Choose „on“ or „standard“ to enable the user to switch the light. Choose “Off” to disable this function.
Button: Import	Click "Import", can import parameters from a file in *.txt format. To create a propper import file, export an example at first to have a template for the necessary structure.
Button: Export	Click "Export", all current parameters of this Keypad Module are exported to *.txt
Button: Send	Click "Send", all parameters including modified Login Password are sent to Keypad Module.
Button: Reset/Send	Click " Reset/Send " to reset the AC module to factory settings. After entering and confirming the AC module password, all users and adminstrators are deleted. The AC module password is set back to default.
Button Delete Selected	Click “Delete Selected” to delete selected user entries.
Butto Logout	Click "Logout", to exit configuration.

9.2 Fingerprint module

Via one IP-Gateway (83342, 83342-5xx), the computer or laptop can configure parameters configured by Fingerprint module.

1. Log in via website: 192.168.0.2, then enter the homepage:

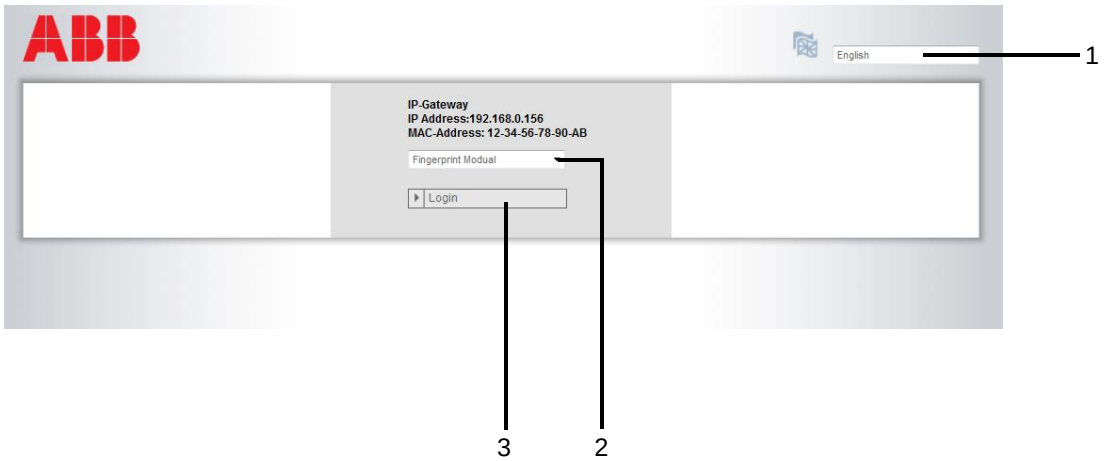


Fig. 31

No.	Function
1	The default language is English, and clicking the flag can select other languages
2	Select Fingerprint Module from Device list
3	Click “Login“ to enter the next display

2. Start searching the device

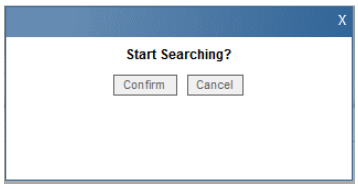


Fig. 32

No.	Function
1	Click "Confirm" to search all existed fingerprint module.

3. The result of seaching is displayed as follows:

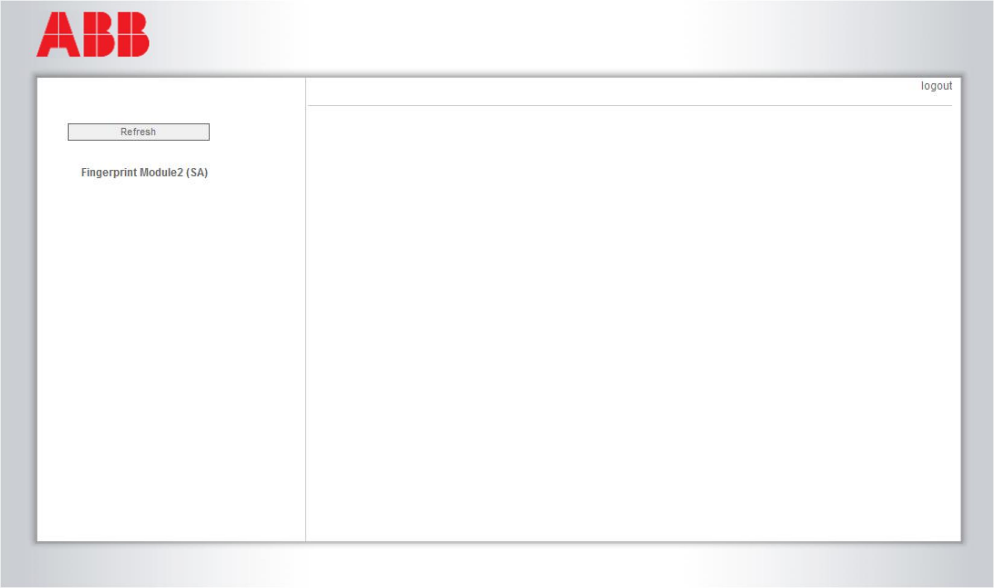


Fig. 33

4. Select a Keypad module in the list, and input the password. Default password:1234.

Fig. 34

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

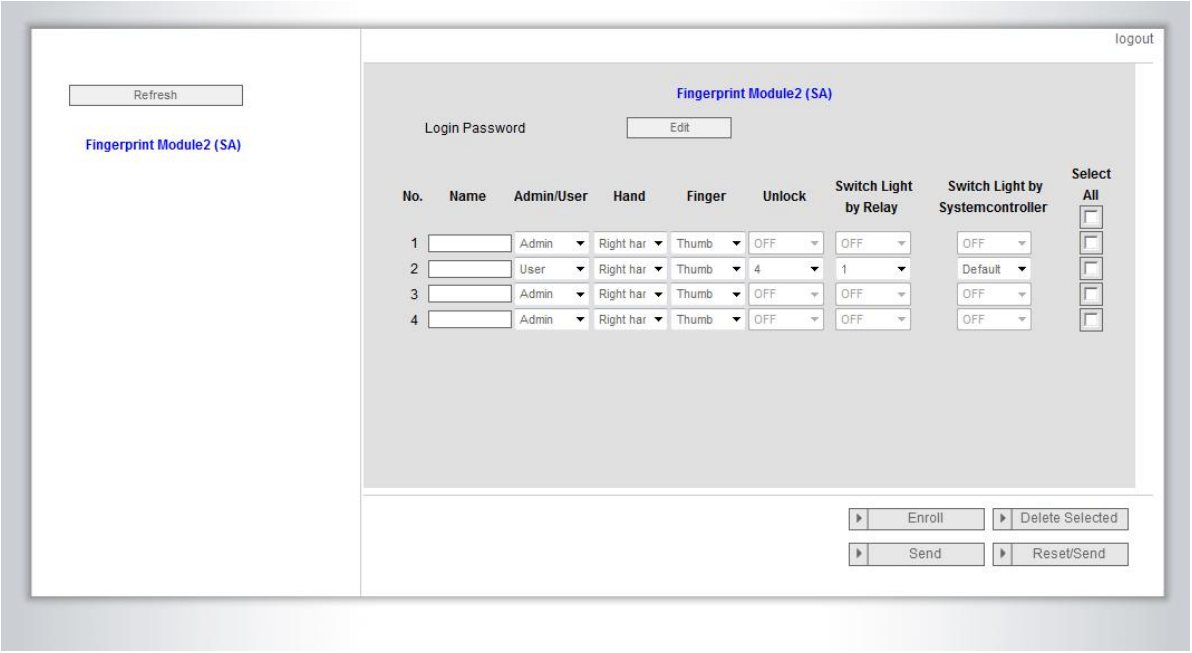


Fig. 35

Fuction	Description
Button: Edit	Notice! Please change default AC module password for accessing the IP-gateway. Click " Edit " to change the access module password, a password must be a 4 digit number.
Button: Enroll	Click " Enroll " to enroll a new user. The Name and user password (Mandatory) can also be edited. Name max length is 12 digits. Password must be a 3 to 8 digit number. The new enrolled user is enabled just to open the door (user) or to act as administrator (admin).
Column “Unlock”	Select the door, the current user should be able to open (1-4). By choosing “Off”, no door can be opened.
Column “Switch Light by Systemcontroll”	Choose „on“ or „standard“ to enable the user to switch the light. Choose “Off” to disable this function.
Column “Switch Light by Relay”	in combination with switch actuator 83330-... the relay output can be activated by the user.
Columns Hand, Finger	Enter information, which hand and finger is used for current user.
Button: Send	Click "Send", all parameters including modified Login Password are sent to Keypad Module.
Button: Reset/Send	Click " Reset/Send " to reset the AC module to factory settings. After entering and confirming the AC module password, all users and adminstrators are deleted. The AC module password is set back to default.
Button Delete Selected	Click “Delete Selected” to delete selected user entries.
Butto Logout	Click "Logout", to exit configuration.

9.3 Transponder module

Via one IP-Gateway (83342, 83342-5xx), the computer or laptop can configure parameters configured by Transponder module.

1. Log in via website: 192.168.0.2, then enter the homepage:

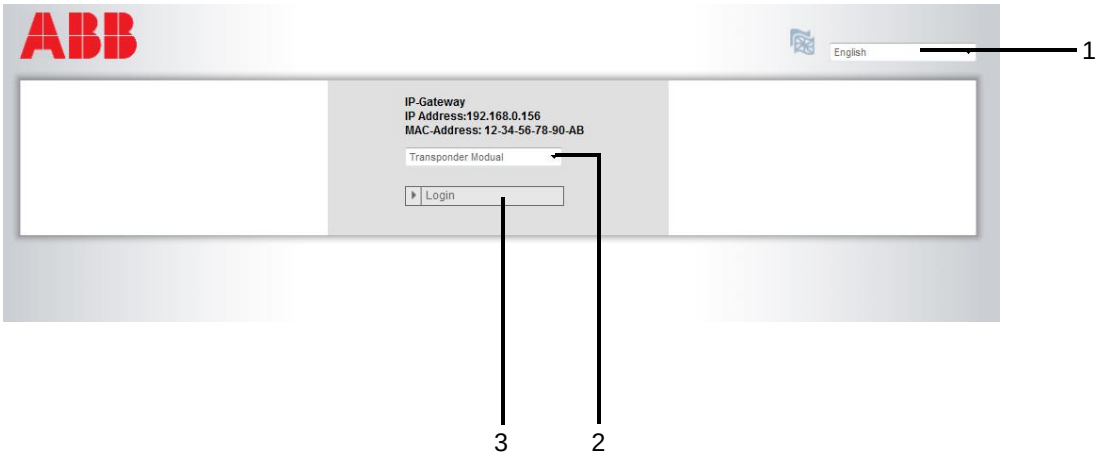


Fig. 36

No.	Function
1	The default language is English, and clicking the flag can select other languages
2	Select Transponder Module from Device list
3	Click “Login“ to enter the next display

2. Start searching the device

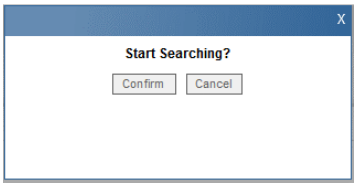


Fig. 37

No.	Function
1	Click "Refresh" to search all existed transponder module.

3. The result of seaching is displayed as follows:

Fig. 38

4. Select a Keypad module in the list, and input the password. Default password:1234.

Fig. 39

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

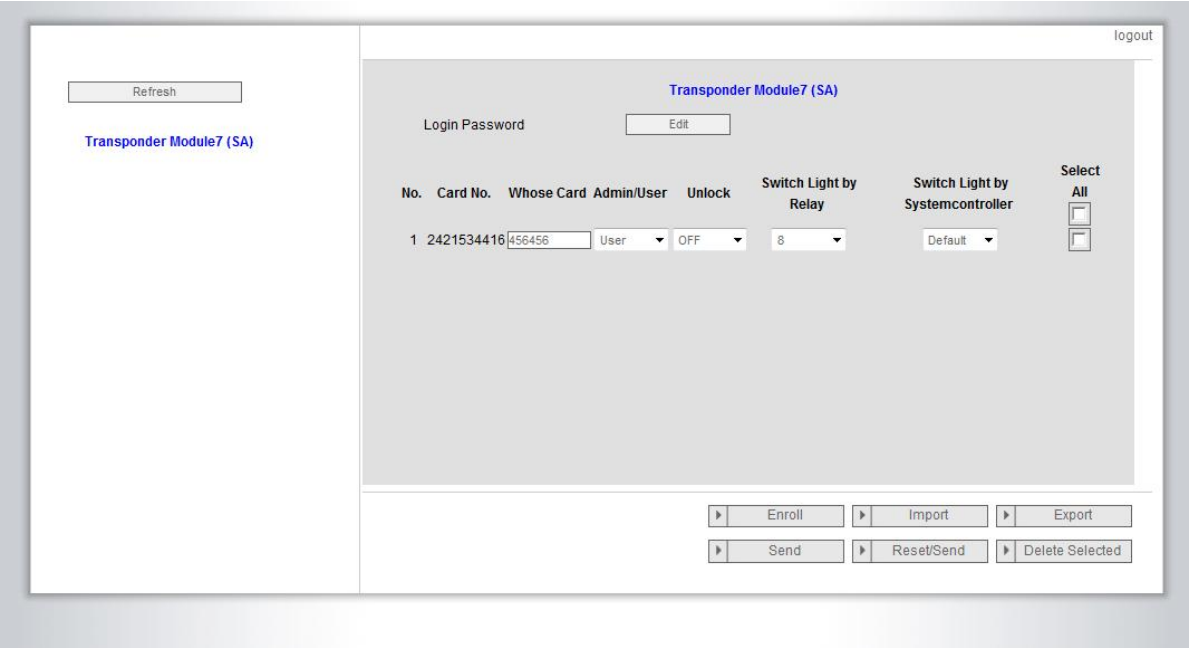


Fig. 40

Fuction	Description
Button: Edit	Notice! Please change default AC module password for accessing the IP-gateway. Click " Edit" to change the access module password, a password must be a 4 digit number.
Button: Enroll	Click " Enroll" to enroll a new user. The Name and user password (Mandatory) can also be edited. Name max length is 12 digits. Password must be a 3 to 8 digit number. The new enrolled user is enabled just to open the door (user) or to act as administrator (admin).
Column “Unlock”	Select the door, the current user should be able to open (1-4). By choosing “Off”, no door can be opened.
Column “Switch Light by Systemcontroller”	Choose „on“ or „standard“ to enable the user to switch the light. Choose “Off” to disable this function.
Column Relais Schalten	in combination with switch actuator 83330-... the relay output can be activated by the user.
Button: Import	Click "Import", can import parameters from a file in *.txt format. To create a propper import file, export an example at first to have a template for the necessary structure.
Button: Export	Click "Export", all current parameters of this Keypad Module are exported to *.txt
Button: Send	Click "Send", all parameters including modified Login Password are sent to Keypad Module.
Button: Reset/Send	Click " Reset/Send " to reset the AC module to factory settings. After entering and confirming the AC module password, all users and adminstrators are deleted. The AC module password is set back to default.
Button Delete Selected	Click “Delete Selected” to delete selected user entries.
Butto Logout	Click "Logout", to exit configuration.

10 Integrating mobile end devices with the ABB-Welcome app

You can add end devices to the ABB-Welcome system from the ABB-Welcome app. The ABB-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 scanning the adjacent QR code. Apple and Android devices can open the link.

10.1 Android version 4.0 or higher

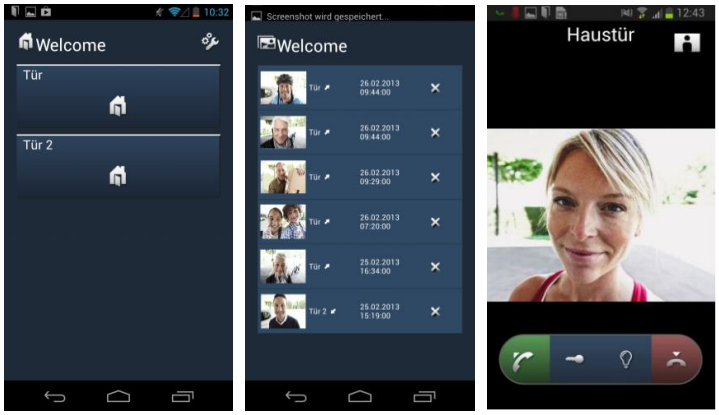


Figure. 41: Android Version 4.0 or higher

1. Install the ABB-Welcome app from Google Play on your smartphone or tablet PC.
2. Create a user, e.g. Smartphone1, in the IP gateway or log into a corresponding user account. See section "Create new user".

There is a QR code below the user information.

3. Open the settings menu in the ABB-Welcome app.
4. Open the "Network settings" menu entry.
   The QR code is used to activate the camera via the "Quick configuration".
5. Photograph the IP gateway QR code (see section "Login with new user name").
   The ABB-Welcome app is automatically configured and applies all settings required for operation.

10.2 iOS version 4 or higher

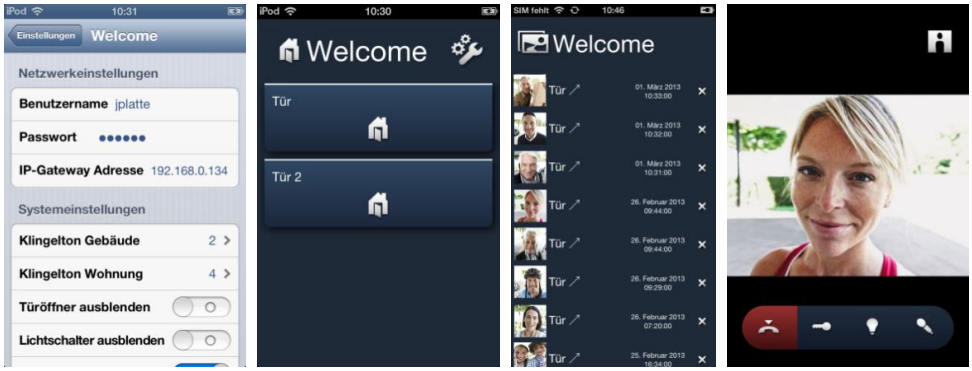


Fig. 42: iOS (Apple) version 4 or higher

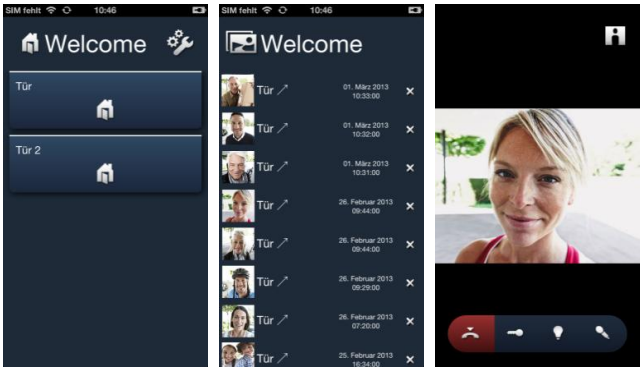


Fig. 43: iOS (Apple) version 5 or higher

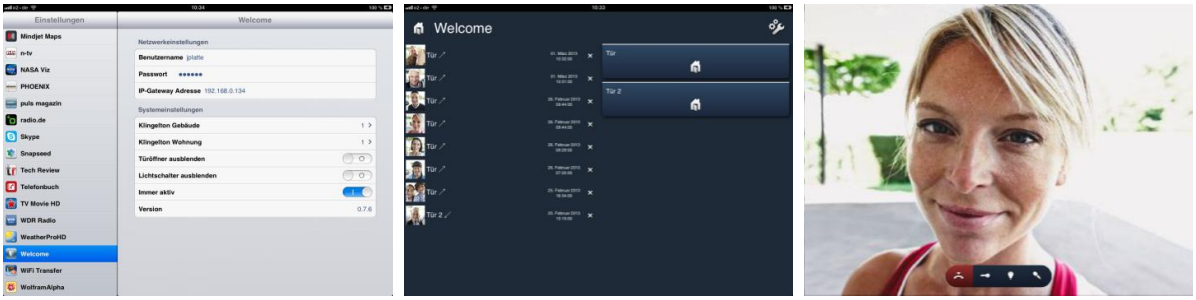


Fig. 44: iPad

1. Install the ABB-Welcome app from the Apple App Store on your smartphone or tablet PC.
2. Create a user, e.g. Smartphone1, in the IP gateway or log into a corresponding user account. See section "Login with new user name".
   There is a QR code below the user information.
3. Open the settings menu in the ABB-Welcome app.
4. Open the "Network settings" menu entry.
   The QR code is used to activate the camera via the "Quick configuration".
5. Photograph the IP gateway QR code (see section "Login with new user name"). The ABB-Welcome app is automatically configured and applies all settings required for operation.

   The configuration can also be carried out manually. See section "Integration via manual configuration".

11 Integrating mobile end devices with ABB-Welcome for myABB-LivingSpace

11.1 System requirements

For the setup and use of the myABB-LivingSpace solution for ABB-Welcome the following is required:
Welcome installation with IP gateway 83341 or 83342, software version 1.15 (or higher). The installation of the software update is described in the following chapter.
Laptop, tablet PC or similar device with an Internet browser for access to the portal at address https://my.abb-livingspace.com and for the configuration of the IP gateway in the home network.
Internet connection of the Welcome installation with a band width of at least ADSL 6.000.
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.

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.

In addition to the apps, at least one indoor station (e.g. an ABB-WelcomeTouch or an indoor audio station) must be used since the cabled solution always offers more availability than a solution that is only supported by mobile end devices or apps.

11.2 Software-Update of the IP-Gateway

For the ABB-Welcome for myABB-LivingSpace solution, the IP Gateway must be equipped with software version 1.15 or higher.
Instructions fort he update process can be found in chapter 7.11 „Firmware Update“.

11.3 Setup of the ABB-Welcome for the myABB-LivingSpace solution

11.3.1 Step 1: Registering and logging into myABB-LivingSpace portal

1. Open page https://my.abb-livingspace.com/ and, if necessary, register yourself as new user.

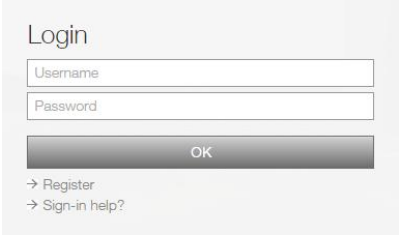


Fig. 45: myABB-LivingSpace Login

2. Read and accept the regulations for use and data protection.
3. You will receive an e-mail at the address you specified. Your user account is activated by calling up the link in the e-mail.
4. You can now log yourself into the portal with your user name and password.

11.3.2 Step 2. Connecting the IP gateway with the myABB-LivingSpace portal

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

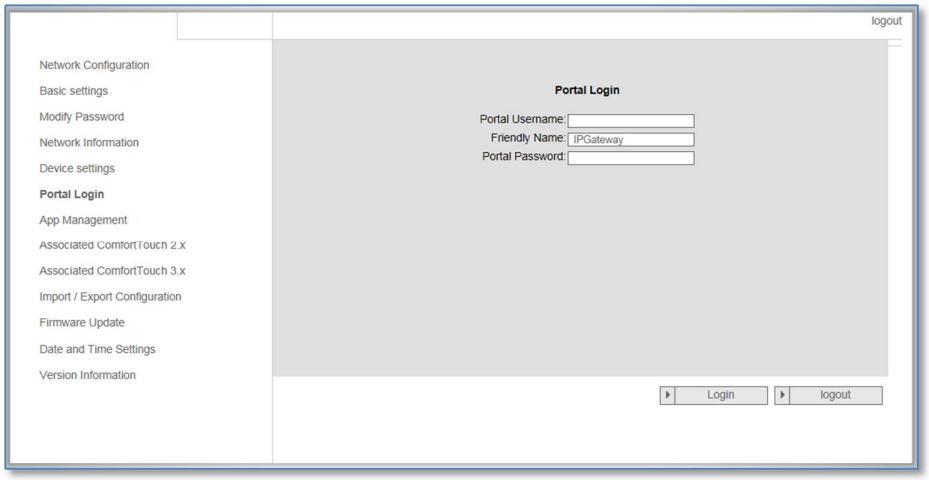


Fig. 46: Web Interface IP-Gateway

11.3.3 Step 3: Installing the "Welcome for myABB-LivingSpace" app

1. If necessary, delete an existing version of the Welcome app from your devices.
2. Install the "Welcome for myABB-LivingSpace" app.

   Open the app and enter the data for access to the myABB-LivingSpace portal. Click the *Login* button to connect the app with the porta.

Fig. 47: Wecome for myABB-LivingSpace

11.3.4 Step 4: Coupling the IP gateway and "Welcome for myABB-LivingSpace" app

1. In the app, select menu *Settings* and then *Manage IPGW* or *Network settings*.
2. Click the IP gateway you wish to couple and note down the security code (integrity code) displayed.
3. In the web interface of the IP gateway, select menu item *App management* and select your mobile terminal device via the edit button.
   If the desired device is not in the list, update it via the *Update* button.
4. You can now assign the desired access rights to the app of the respective device.
5. You complete the coupling by entering the security code (integrity code).

12 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.

13 Integrating a **ABB**-*ComfortTouch*® 3.0 or higher

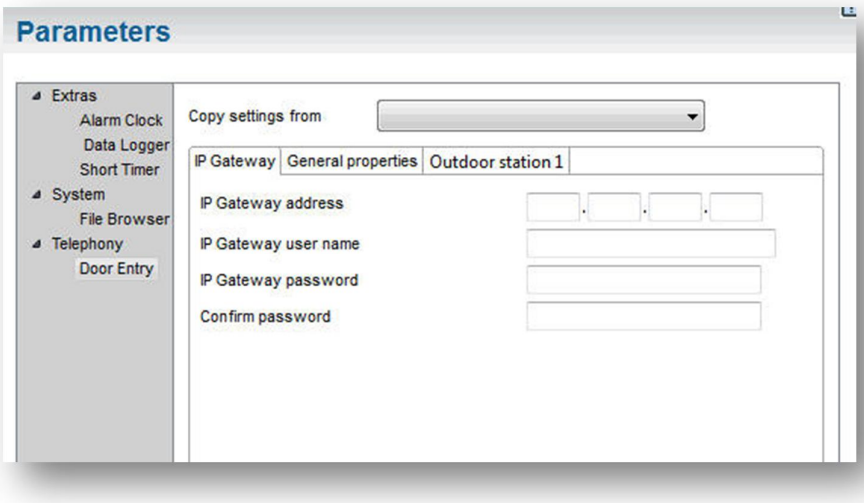


Fig. 48: Integrating **ABB**-*ComfortTouch*® 3.0 or higher

The **Busch**-*ComfortTouch*® series 3.0 or higher can be connected to a ABB-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 **ABB**-*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.

14 Technical data

14.1 Overview table

General	
Operating temperature	-5 ...45°C
Protection type (only for related installation)	IP 20
Single-wire clamps	2 x 0.6 ... 2 x 1 mm²
Fine-wire clamps	2 x 0.6 ... 2 x 0.75 mm²
Size	10 TE
Bus input voltage	28 V- ±2 V

14.2 Device connection / circuit diagram

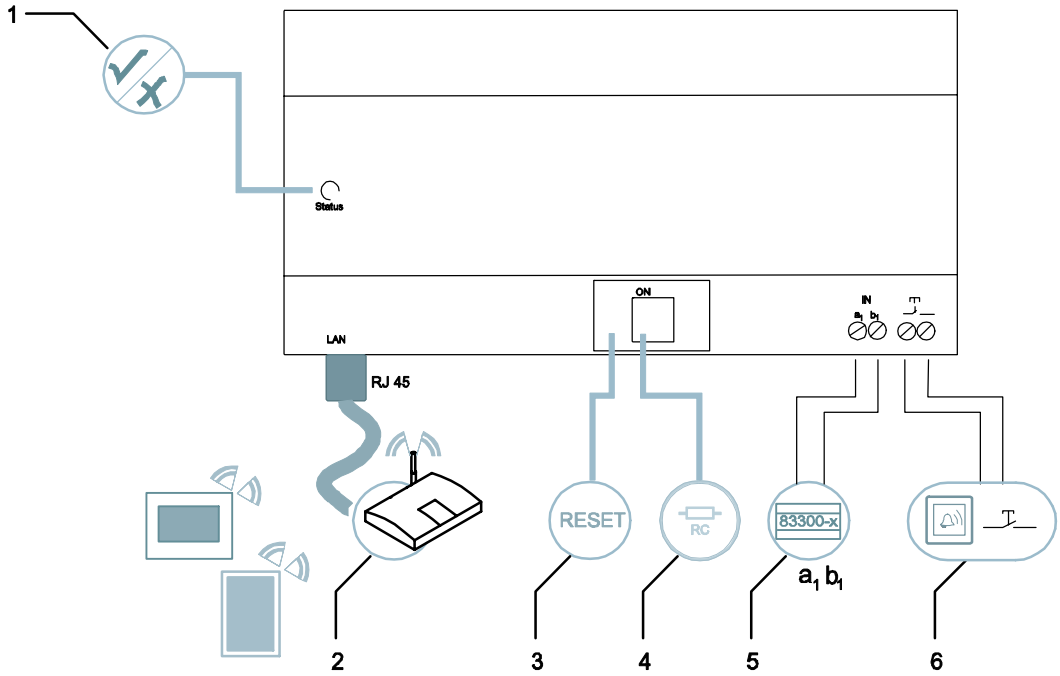
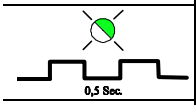
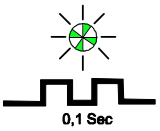


Fig. 49: Connection

1 LED | 2 LAN connection | 3 Reset | 4 Terminal resistor | 5 System controller / internal bus | 6 Floor call button

LED

	ready
	Bus activity
	Fault

LAN connection

The LAN connection is made via the RJ 45 jack on the WLAN router.

Reset

Here is the Reset button.

System controller / internal bus

a_1	System controller
b_1	Internal bus

Floor call button

The floor call button is connected here.

14.3 Dimensions / dimensional drawing

The dimensions of the IP gateway are indicated in the following image.

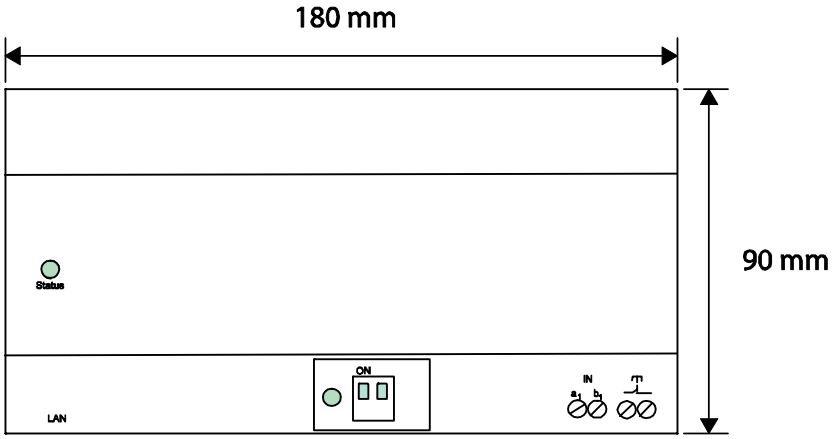


Fig. 50: Dimensional drawing

The depth of the device is 65 mm.
The module width is 10 MW.

15 Product overview

15.1 Device setup

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 ABB-Welcome app.
- The product connects to the myABB-LivingSpace / myABB-LivingSpace Internet portals. It can be used to configure other Welcome products using a web browser.

16 Installation and electrical connection

Warning

Electric voltage!
Risk of death due to electrical voltage of 230 V during short-circuit in the low-voltage line.
– Low-voltage and 230 V lines must not be installed together in a flush-mounted socket!

16.1 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 and short-circuit;
  5. Cover or barricade adjacent live parts.
- Use suitable personal protective clothing.
- Use only suitable tools and measuring devices.
- Check the supply network type (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective earthing, necessary additional measures, etc.).

Warning

Electric voltage!
Risk of death and fire due to electrical voltage of 230 V.
– Work on the 230V supply system may only be performed by authorised electricians!
– Disconnect the mains power supply prior to installation and/or disassembly!

16.2 Mounting

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

A member of the ABB Group

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