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Product manual ABB-Welcome IP

D04012 Smart Access Point Lite D04012-02 Smart Access Point Lite



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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 100-240 V supply system to be performed only by specialist staff!

3 Intended use

As a part of the ABB-Welcome IP system, this device can only be used with accessories from the system

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 2012/19/EU WEEE and 2011/65/EU RoHS)

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

5 Product description



⁽¹⁾ Status indicator

Operation	LED status
Power on	White, always on
In Access Point mode	Red, always on
Ready for operation (not in AP mode)	Green, always on
Temper swtich is triggered	White, flash fast
Press reset button and hold for 10 s	White, flash slowly

6 Technical data

Designation	Value
Rating voltage	24 V DC
Operating voltage range	20-27 V DC
Rating current	24 V DC, 375 mA
PoE standard	IEEE802.3 af
Wireless transmission band	802.11b/g/n: 24122462MHz (for United States) 24122472MHz (for European countries) 802.11a/n: 51505250MHz 52505350MHz 54705725MHz 57255850MHz (for United States)
Wireless transmission power	Max. 20 dBm@12 Mbps OFDM 2.4 G Max. 20 dBm@12 Mbps OFDM 5.8 G
Wireless transmission standard	IEEE 802.11 a/b/g/n
Operating temperature	-10 °C+45 °C
Storage temperature	-25 °C+70 °C
Product dimensions	204 mm × 132 mm × 32 mm
IP level	IP 30
IK level	IK 05
Relay output	30 V DC, 1 A
Dry contact input	5 V DC, 1mA

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 100-240 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 Mounting

1. Dismantle

Pull the clamp on the bottom of the device and then open the front cover.



2. Wiring

Option 1: Wiring from the back Option 2: Wiring from the bottom



3. Mounting



8 Commissioning

8.1 Initial setup

1. Smart Access Point enters Access Point mode

Smart Access Point enters AP mode automatically when powered on for the first time or a "System reset" is carried out from the "Preferences" screen.

You can also enter AP mode by pressing the AP mode switch.

The LED turns red if AP mode is entered successfully.



2. PC connects to Smart Access Point

If Smart Access Point is running in Access Point mode, there is a Wifi name of Smart Access Point (e.g. SmartAP_xxx). Click this and enter the security key to connect (the security key can be found on the label affixed to the device).

Internet access		
Wireless Network Connection	^ =	
	100	
	ller	
	Ultre .	Connect to a Network
SmartAP_D572	Ulter	Type the network security key
	Ultre	Security key:
	lite.	V Hide characters
	-110	
	- 111-	

3. Smart Access Point initial setup

Enter the URL "192.168.3.1" to access Smart Access Point.

PcManagement ×
← → C △ ① 192.168.3.1/#

[1] Choose language

Please choos	se your language
English	*
简体中文	
Deutsch	
Español	
Français	
Italiana	
	START

[2] Accept end user license

End user license a	greement	
ABB End User License Agreemen	t ("EULA")	1
IMPORTANT: PLEASE READ THE AGREEMENT CAREFULLY BEFO INSTALL	E TERMS AND CONDITIONS OF THIS LICENS ORE CONTINUING WITH THIS PROGRAM	SE
This End-User License Agreement (either an individual or a single ent EQUIPMENT CO., LTO or its affilie PRODUCT* SOFTWARE PRODU- version of the computer programs for, updates to, or upgrades theree printed materials, and "online" or or to downoload, install, cony, activate PRODUCT. By Using the SOFTW	t ("EULA") is a legal agreement between you tity) and ABB GENWAY XIAMEN ELECTRICAL alse (the "Company") for the "SOFTWARE ICT means the machine readable (object code) including firmware, any copies made, bug fixes f, and associated software components, media electronic documentation. "Use" or "Using" mea access or otherwise use the SOFTWARE ARE PRODUCT, you agree to be bound by the	-) 3 4, 4, 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
☑ I agree to the ABB end	d user license agreement	
<	>	

[3] Accept OSS license

Licensing Terms ABB-V	Velcome	
Following Licenses are used in the product Management software		
Component: isagalaev - highlight js License: BSD 3-clause "New" or "Revised" Copyright vear: 2006 Copyright holder: Ivan Sagalaev Source Code Download location: https://github.com/qooxdoo/toe/tree/m	License aster/application/websitewidgetbrowse	er
Component: Curl and Libcurl License: Curl License		
✓ I accept the Licensing Terms		
<	>	

[4] Accept data privacy

Data Privacy		
We take the protection of your personal da regulations regarding data protection, deta	ta very seriously and follow the legally valid il refer to below link.	
https://eu.mybuildings.abb.com/en/page/pr	ivacy-policy	
✓ I accept the data privacy		
<	>	

[5] Create an account

Discourse		4	
Username	Jacky	ount	
Password			
Confirm			
<		:	•

[6] Choose building type

"Functional" is selected when Smart Access Point is being used on a public network;

"Residential" is selected when Smart Access Point is being used on a home network.

Please choose your b	uilding type
Residential	
Functional	
<	

[7] Check the settings

Thank you	
language	English
User name	Jacky
Building Type	Residential
<	Finish

[8] Accessing Smart Access Point using a new IP address

Thank you
Successful Installation. You may need to access new network address due to network address changed.
✓
Finish

Building type = Functional

With this setting, the IP address of Smart Access Point is set to 10.0.0.1. The IP address of the PC must be set to the same network with Smart Access Point (e.g. 10.0.0.2).

Enter URL "10.0.0.1" to access Smart Access Point.

	General			
Connect using:	You can get IP settin supports this capabi administrator for the	igs assigned automatically if lity. Otherwise, you need to a a appropriate IP settings.	your ne ask your	twork r network
Con	figure Obtain an IP ac	dress automatically		
	Ose the followi	ng IP address:		
Client for Microsoft Networks	IP address:	10 . 0	. 0	. 2
 File and Printer Sharing for Microsoft Networks 	Subnet mask:	255 . 0	. 0	. 0
 ✓ Internet Protocol Version 6 (TCP/IPv6) ✓ Internet Protocol Version 4 (TCP/IPv4) 	Default gateway:			•
 Link-Layer Topology Discovery Mapper I/O Driver Link-Layer Topology Discovery Responder 	Obtain DNS ser	rver address automatically		
	- O Use the followi	ng DNS server addresses		
	erties Preferred DNS se	rver:		•
Install Uninstall Prop	Alternate DNS ser	rver: .		•
Description Uninstall Prop				
Install Uninstall Prop Description Transmission Control Protocol/Internet Protocol. The defa area network protocol that provides communication acros diverse interconnected networks.	s Validate settin	ıgs upon exit		Advanced

Building type = Residential

With this setting, the IP address of Smart Access Point is set to DHCP by default to obtain the IP address from the router.

If you want to access Smart Access Point via UpnP, you need to connect the device according the diagram below.



On the PC, you can now access Smart Access Point by following the steps below.

	Jacky-ZhenSheng Cheng			
	Documents			
	Pictures			
	Music			
	Computer 2			
	Control Panel	File Edit View Tools Help	• 4 4 Si	arch Network
	Devices and Printers	Organize • Network and Sharing Center	Add a printer Add a wireless device	8: • 🗐 🛛
	Default Programs		Network Infrastructure (1)	
	Liele and Cuspert			
	Help and Support		 Other Devices (1) 	
All Programs	Run	3	WipAP_D572 4	
Search programs and files	P Log off ▶	K Network		
		2 items	/ 🗂	

[9] Set the time zone



Note

When you access Smart Access Point for the first time, you must set the time zone! The system default is "UTC +01:00". The system will issue a prompt if the time in Smart Access Point is different from that of PC.

	_	Preferences
Preferences		System Settings
System information	>	Apply
Language	>	Date time setting
Network	>	2019-03-01 19:37:40
Project Backup	>	Format: YYYY-MM-DD HH:MM:SS (UTC+01:00) Amsterdam,Berlin,B… ~
3rd party authrity	>	Enable automatic date time sync (NTP)
Abnormal devices	>	0.pool.ntp.org
Onvif IPC list	>	N I P Server can be an IP or host name
Misc Settings	>	Арріу
		*

Please see the "Time setting" chapter for more details.

8.2 Main menu

 □ P₂ sos 1 2 3 	0 1 4 5	MAIN MENU		
	• •			
	User Management	Message Center	Device Management	
	Add and edit users and guests.	Configurate message center.	Devices Configuration	
8 ≜ iacky				9 Preferences

No.	Function
1	Notification View call records, unlock records, alarm records and device fault message.
	Please see the "Notification" chapter for more details.
	Message center
2	Manage the messages between the indoor stations and Smart Access Point.
	Please see the "Message center" chapter for more details.
	Emergency unlock
3	Click the icon to release all the locks in the event of an emergency.
	Please see the "Emergency unlock" chapter for more details.
	Searching the devices
4	Click the icon to search all devices on the same network automatically.
	Please see the "Add the devices" chapter for more details.
	Import building structure
5	Click the icon to import the building structure from APP to Smart Access Point.
	Please see the "Add the devices" chapter for more details.
	User management
6	Manage the users in the system.
	Please see the "User management" chapter for more details.
	Device management
7	Manage the devices in the system.
	Please see the "Device management" chapter for more details.
0	Logout
0	Click here to log out from the user account or change the user password.
0	Preferences
Э	Please see the "Preferences" chapter for more details.

8.3 Preferences

8.3.1 Entering the settings

On the "MAIN MENU" screen, click "Preferences" to enter the settings.

3 🗟 sos 🔿 📘		MAIN MENU		
	_			
	User Management	Message Center	Device Management	
	Add and edit users and guests.	Configurate message center.	Devices Configuration	
				,
🛔 jacky				🗘 Preference

8.3.2 View the version information

On the "Preferences", "System information" screen, you can view the version information and serial number of Smart Access Point.

You can also use the APP to scan the QR code to obtain the serial number quickly.

		🌣 Preferences
Preferences		System information
System information Language Network Project Backup 3rd party authrity Abnormal devices Onvif IPC list	> > > > > > > > >	Version information Version HGM52-STD_MAIN_V1.01_20190125_IMX6SOLO (mcu: V1.00_20190116 describe New release for V1.01 date 2019.01.25 Serial No 105807A7F02D572
Misc Settings	>	Online firmware update Current firmware is up Local firmware update Firmware update file Browser

8.3.3 Local firmware update

On the "Preferences", "System information" screen, click "Browser" and select the update file and the signature file from the PC, then click "Update" to update the firmware.

System information			
Online firmware update			
New firmware: 1.99 remote update test WIPAP V1.02			
Update			
Local firmware update			
ENC_HGM52-STD_MAIN_V1.01_20190122_	Browser		
ENC_HGM52-STD_MAIN_V1.01_20190122_	Browser		
Update			
System Reset			
System Reset			
	System information Online firmware update New firmware: 1.99 remote update test WIPAP V1.02 Update Local firmware update ENC_HGM52-STD_MAIN_V1.01_20190122_ ENC_HGM52-STD_MAIN_V1.01_20190122_ Update System Reset		

8.3.4 Online firmware update

Preparation

The router must connect to the internet before use (see the diagram below).

[1] Building type = residential



[2] Building type = functional



With this setting, you needed to set additional IP address on Smart Access Point.

On the "Preference" screen, click "Network", tick "Obtain IP address automatically" and "Enable additional IP address" and enter the data according to the image below.

		🌣 Pre	eferences
Preferences		Network Settings	
System information	>	LAN client	~
Language	>	Network Settings	
Network		Connecting capability	Connected
Project Backup	>	✓ Obtain IP address automatically	
		IP Address	10.0.0.1
3rd party authrity	>	Subnet Mask	255.0.0.0
Abnormal devices	>	Default gateway	
Onvif IPC list	>	Name server	
Misc Settings	>	✓ Enable additional IP Address	
		IP Address	10.0.0.1
	Ĺ	Subnet Mask	255.0.0.0
		×	√ Save

Online firmware update

On the "Preferences", "System information" screen, click "Update" to update the firmware from the website.

HOME 1 🖓 SOS	0		<	PREFERENCES
				ences
Preferences	Syst	em information		
System information	> On	line firmware	update	
Language	> New rema	r firmware: ote update test WIPA 02	1.99 \P	
Network	>	Update		

8.3.5 Reset to factory defaults

On the "Preferences", "System information" screen, click "System Reset", and enter the user password to reset Smart Access Point. Smart Access Point will run in AP mode by default (LED red light is always on).

	Preferences
Preferences	System information
System information	> Online firmware update
Language	> New firmware: 1.99 remote update test WIPAP
Network	> Update
Project Backup	> Local firmware update
3rd party authrity	> ENC_HGM52-STD_MAIN_V1.01_20190122_ Browser
Abnormal devices	> ENC_HGM52-STD_MAIN_V1.01_20190122_ Browser
Onvif IPC list	Update
Misc Settings	, System Reset
	System Reset
	♠
INFORMATIO	N
User name	jacky
Password	

8.3.6 Language

			Preferences	
Preferences		language		
System information	>	Speech		
Language	>	Speech	Deutsch	~
Network	>			
Project Backup	>			
3rd party authrity	>			
Abnormal devices	>			
Onvif IPC list	>			
Misc Settings	>			
	7	×	✓ Sav	e

On the "Preferences", "Language" screen, select the language from the drop-down list.

8.3.7 Network settings

On the "Preferences", "Network" screen.

			:	🗘 Preferences
Prefere	ences		Network Settings	
System	n information	>	Network mode 1	
Langua	age	>	LAN client	
Networ	k	>	Network Settings 2 Connecting capability	Connected
Project	Backup	>	Obtain IP address auton	natically
3rd par	ty authrity	>	IP Address	10.0.0.1
Abnorn	nal devices	>	Subnet Mask	255.0.0.0
Onvif II	PC list	>	Default gateway	0.0.0.0
Mice C	ottingo		- Name-server	-0.0.0
IVIISC OF	ettings		×	✔ Save
No.	Function			
1	Network mode (1) LAN client, if Sm (2) WLAN client, if S (3) WLAN AP, if Sm	art Ao Smart art Ao	ccess Point connects to the Access Point connects to th ccess Point is running in "AF	router via LAN ne router via Wifi 2 mode"
2	Network settings Please see the "Onl	ine fir	mware update" chapter for	more details.

8.3.8 Backup and restore the project

On the "Preferences", "Project Backup" screen,

Click "+" to create a backup onto the local PC automatically.

Click ¹ to restore the backup (the user password is required). The system will restart when the database has been restored.

		🔅 Preferences
Preferences		Project Backup
System information	>	Create new Project backup
Language	>	Import project backup
Network	>	
Project Backup	>	
3rd party authrity	>	
Abnormal devices	57	
Onvif IPC list	1.5	
Misc Settings	>	
2019030117544tar.gz ^	ckv	
password	•••••	
Upload files	C:\fakepatl	a\20190301175441_pgk Browser

8.3.9 3rd party authority

On the "Preferences", "3rd party authority" screen, click "add" and enter the IP address and the port number, then click "Applied" to apply the setting.

		Contraction Preferences
Preferences		3rd party authrity
System information	>	add
Language	>	IP address Port
Network	>	
Project Backup	×	
3rd party authrity	>	
Abnormal devices	>	
		Preferences
Preferences		3rd party authrity
System information	>	
Language	>	ADD IP ADDRESS
Network	>	IP address
Project Backup	>	Port
3rd party authrity	>	Cancel Applied
Abnormal devices	>	
Onvif IPC list	>	
Misc Settings	>	♠

8.3.10 Check abnormal devices

On the "Preferences", "Abnormal devices" screen, you can view the error description.

				Preferences		
Preferences		Abnorma	l devices			
System information	>					
Language	>	Device No.	Device type	Serial No.	MAC	Reason
Network	>	02	Guard Unit	103807A7F02801B	807A7F02801B	Device signed failed
		03	Outdoor Station	101807A7F02D43D	807A7F02D43D	Device signed failed
Project Backup	>	01	Outdoor Station	101807A7F02D442	807A7F02D442	Device signed failed
3rd party authrity	>	01	Indoor Station	102807A7F02D4BF	807A7F02D4BF	Device signed failed
Abnormal devices	>	01	Indoor Station	102807A7F0280D8	807A7F0280D8	Device signed failed
						·
Onvif IPC list	>					
Misc Settings	>					

8.3.11 Searching the Onvif IPC

On the "Preferences", "Onvif IPC list" screen, click "Search device" to search the cameras used for the public network.

			Preferences		
Preferences		Onvif IPC list			
System information	- - -	Search device			
Language	_> ·				
Network	>	IP address	Name	Status	Action
Project Backup	>				
3rd party authrity	>				
Abnormal devices	>				
Onvif IPC list	>				
Misc Settings	>				

Then click "Enter credentials".

			Preference	ces	
Preferences		Onvif IPC list			
System information	>	Search devic	e		
Language	>				
Network	~	IP address	Name	Status	Action
Network		10.0.3.19	DCS-2330L	Unpaired	Enter credentials
Project Backup	>				. (
3rd party authrity	>				
Abnormal devices	>				
Onvif IPC list	>				
Misc Settings	>				
				•	

Enter ca				
User name	admin			
Password				
3	×	Pa	ir	
		🔅 Preferenc	es	
	Onvif IPC list	🌣 Preferenc	es	
>	Onvif IPC list Search devic	C Preferenc	es I	
>	Onvif IPC list Search devic	Preference	ies I	
>	Onvif IPC list Search devic	Preference e Name	Status	Action
	Enter c User name Password	Enter camera credentia User name admin Password	Enter camera credentials User name admin Password Pasword Pasword Pasword	Enter camera credentials User name Password

Enter the user name and the password of the camera, then click "Pair".

Next, you need to download the list onto the indoor station. Please see the "Community monitor" chapter in the product manual for IP touch 7.

Lastly, you can view the camera in the drop-down list during the surveillance operation.

OS-01	
	H
	e rec
	OS-01 🔨
	OS-02
	OS-03
	DCS-2330L
Su 29/07/18 04:09 Ϡ 🖵 🔂	1 0 P 🌢

8.3.12 Time settings

On the "Preferences", "Misc Settings" screen, you can set the date and time manually or tick the checkbox "NTP" to synchronize the date and time with NTP server.

		Preferences
Preferences		System Settings
System information	>	Apply
Language	>	Date time setting
Network	>	2019-03-01 19:37:40
Project Backup	>	Format: YYYY-MM-DD HH:MM:SS (UTC+01:00) Amsterdam,Berlin,B ❤
3rd party authrity	>	Enable automatic date time sync (NTP)
Abnormal devices	>	0.pool.ntp.org
Onvif IPC list	>	NTP Server can be an IP or host name
Misc Settings	>	Арріу
		•

8.3.13 Sync time with other devices

On the "Preferences", "Misc Settings" screen, Smart Access Point can only snyc its time with the other devices when time synchronizaiton "Automatically" is set on Smart Access Point and the function "Sync with management software" is enabled on the devices.

		Preferences
Preferences		System Settings
System information	>	Time Synchronization
Language	>	Automatically OManually Synchronize period(hour)
Network	>	1
Project Backup	>	Apply
3rd party authrity	>	Offline Alarm
Abnormal devices	>	 Alarm when device goes offline Enable sound notification
Onvif IPC list	>	✓ Enable popup notification
Misc Settings	Σ	Apply
		♠

8.3.14 Offline alarm settings

On the "Preferences", "Misc Settings" screen, the sound notification and popup notification are only available when the "Alarm when devices goes offline" function is enabled.

Please see the "Notification" chapter for more details.

		Preferences	
Preferences		System Settings	
System information	>	Offline Alarm	
Language	>	 ✓ Alarm when device goes offline ✓ Enable sound notification 	
Network	>	✓ Enable popup notification	
Project Backup	>	Apply	
3rd party authrity	>	Date time setting	
Abnormal devices	>	2019-03-04 10:25:46	
Onvif IPC list	>	Format: YYYY-MM-DD HH:MM:SS (UTC+01:00) Amsterdam,Berlin,B ~	
Misc Settings	>	Enable automatic date time sync (NTP)	
		•	



Note

The alarm is reported via outdoor station 1 (device ID=1) or via gate station 1 (device ID=1). If either of these two devices cannot be detected in the system, the alarm cannot be reported to Smart Access Point successfully.

When an alarm is triggered (e.g. SOS), a pop-up window appears and you can set the alarm type (e.g. Processed) and add the comments.

Commissioning
9 Operation

9.1 Deivce management

9.1.1 Adding devices



Note

Only a device without a certificate can be added by Smart Access Point. The device will lose its certificate if its physical address is changed.

There are 3 methods to add the devices to Smart Access Point.

Method 1: Search the devices automatically

All the devices need to be set to the physical address locally before being added.

On the "MAIN MENU" screen, click ^O, " √" to search all devices in the same network.

If the device has already been added by this Smart Access Point, it will be ignored.

If the device has already been added by another Smart Access Point, it will appear on the "Abnormal devices".

Please refer to the "Check abnormal devices" chapter.



Method 2: Add the devices manually

On the "MAIN MENU" screen, click "Device Management", "Add device", select the device type (e.g. gate station) and enter the address ID and serial number of the device.

o Ga sos ○		MAIN MENU		
	User Management	Message Center	Device Management	
	Add and edit users and guests.	Configurate message center.	Devices Configuration	
🛔 jacky			, ,	🌣 Preferences
	INDOOR	STATIONS		Add device
				Ū
ADD DEVICE				
Device type	Gate Station			•
Device addr	. 01			
Serial No	101807A7F02D	442		
(Cancel		save	

Method 3: Import the devices from APP

Please see the APP product manual for more details.

There are 4 scenarios for Smart Access Point application:

Scenario1: Adding home devices to the home Smart Access Point

- All the devices need to be powered on before being added
- All 3 methods above can be used in this scenario
- Home Smart Access Point can manage all home devices



Scenario2: Adding public devices to the public Smart Access Point

- All the devices need to be powered on before being added
- All 3 methods can be used in this scenario
- The mobile or tablet used to import the devices to Smart Access Point must be on the same network as public Smart Access Point. (e.g. 10.0.0.x)
- Public Smart Access Point can manage all public devices



Scenario3: Add the home devices to the public Smart Access Point

- All the devices need to be powered on before being added
- Public Smart Access Point can not search home devices directly due to different netwoks
- Public Smart Access Point can add home devices via method2 or method3
- The mobile or tablet used to import the devices to Smart Access Point must be on the same network as publice Smart Access Point. (e.g. 10.0.0.x)
- Public Smart Access Point can manage all public devices and home devices



Scenario4: Adding the home Smart Access Point to the public Smart Access Point

- Home Smart Access Point can be added to Public Smart Access Point using method2
- Public Smart Access Point can manage all public devices
- Public Smart Access Point and home Smart Access Point can both manage all home devices
- If you want the home devices to be managed by the home Smart Access Point only, disable the "Romote setting" function on the master indoor station. Please see the product manual for IP touch 7" for more detials.



9.1.2 Changing the settings of the devices

1. Changing the settings on one device

On the "DEVICE MANAGEMENT" screen, click a device type (e.g. "Indoor Station") and then click a deivce (e.g. "Indoor Station 001-01010-01") to enter the settings.

HOME 💿 🖓 SOS 🜔 💂	< DEVICE MANAGEMENT >
INDOOR STATIONS	Add device LIST VIEW
	☑ Indoor Stations
	Indoor Station 001-0101-01
Indoor Station 001-	Indoor Station 001-0102-01
0101-01 0102-01	
Image: Determinant of the station station Image: Determinant of the station s	Guard Unit Management Software
HOME 👩 😼 sos 🔘 💂	< DEVICE MANAGEMENT >
Indoor Station 0	01-0101-01 LIST VIEW
	Additional settings
	Physical addr.
	Logic addr. >
No screensaver set for this in	Duplicate settings
	Local firmware update >
	Online firmware update >
	Resident(s)/Tenant(s)
	Screensaver >
لم Settings	Floor plan >

2. Change the settings of several devices

You can change the settings for multiple devices at the same time.

Fox example, on the "Indoor Stations" screen, click O, click the devices directly or click "select all" to select all the devices, then click "Next".



Click "Local firmware update" to update the firmaware for these devices.

Click "Screensaver" to upload a screensave image for these devices.



9.1.3 Deleting devices

You can delete a device or multiple devices at the same time.

Fox example, on the "Outdoor Stations" screen, click , click the devices directly or click "select all" to select all the devices, then click "Delete".

HOME 3 Fa	sos O			< DE	VICE MAN	NAGEMENT	>
		OUTDOOR STA	TIONS				Add device
						10	D
Outdoor Stations							· · · · · ·
	Ð	E					
Outdoor Station	Outdoor Station	Outdoor Station					
001-01	001-02	001-03					
Public Area							
		_		_		-	
	E Outdoor	Indoor Stations	o	Guard Unit	Manage	⊒ ement	
	E Outdoor Stations	Indoor Stations	o IP Actuator	ाड Guard Unit	Manage Softw	2 ement ⁄are	
	E Outdoor Stations	Indoor Stations	O IP Actuator	I Guard Unit	Manage Softw] ement vare	ST VIEW
E .	E Outdoor Stations	Indoor Stations OUTDOOR STATION	O IP Actuator ⊮S	Cuard Unit	Manage Softw	g ement vare Ukldocr Statons	ST VIEW
	B Outdoor Stations	Indoor Stations OUTDOOR STATION elect multi devices	O- IP Actuator	Guard Unit	Manage Softw	ement vare Outdoor Stations building 1	ST VIEW
== F	E Outdoor Stations	Indoor Stations OUTDOOR STATION elect multi devices	O-1 IP Actuator	III Guard Unit	Manage Softw	ement vare Outdoor Stations building 1 Outdoor Station 001-01	ST VIEW
	E Outdoor Stations s S G Outdoor S S Outdoor	OUTDOOR STATION	O IP Actuator	Guard Unit	Manage Softw	ement vare	ST VIEW 1
E Oursioor Station C01-C1 Our	B Outdoor Stations s doer station col-ti2	Indoor Stations OUTDOOR STATION elect multi devices	O-↓ IP Actuator	Guard Unit	Manage Softw	Dutdoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-02	ST VIEW 1 2 3
CULICION STATION	B Outdoor Stations s s ourses staton cores staton	Indoor Stations OUTDOOR STATION elect multi devices	O∸ IP Actuator	Guard Unit	Manage Softw	ement vare Outdoor Stations building 1 Outdoor Station 001-02 Outdoor Station 001-02	ST VIEW 1 2 3
Durdoor Station C01-C1	E Outdoor Stations S S door station Col-42	OUTDOOR STATION	0-1 IP Actuator	Guard Unit	Managu Softw		ST VIEW 1 2 3
Durdor Station Outoor Station C01-C1 Out	E Outdoor Stations S S S S S S S S S S S S S S S S S S S	OUTDOOR STATION elect multi devices	O-1 IP Actuator	Guard Unit	⊡ select all	Utdoor Station 001-03 Outdoor Station 001-03 Outdoor Station 001-03 Outdoor Station 001-03 Outdoor Station 001-03 Public Area	ST VIEW 1 2 3
Outdoor Station Outdoor Station C01-01	B Outdoor Stations s s ourserstation cologing station cologing station cologing station	OUTDOOR STATION elect multi devices	O-↓ IP Actuator KS	Guard Unit	Manage Softw	Ement vare Utldoor Stations building 1 Outdoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-02 Public Area	ST VIEW
Durdeor Station C01-C1 Out Public Area	B Outdoor Stations s s ourses staton corrections staton	Indoor Stations OUTDOOR STATION elect multi devices	O-↓ IP Actuator	Guard Unit	Manage Softw	Public Area	ST VIEW 1 2. 3
Dutdor Station C01-01 Public Area	B Outdoor Stations s oursistion Oursoor Station Col-C3	OUTDOOR STATION elect multi devices	O-t IP Actuator	Guard Unit	Manage Softw	ement vare Outdoor Stations building 1 Outdoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-03 Public Area	ST VIEW
Durdoor Station Col-C1	E Outdoor Stations s our staten Col 420	OUTDOOR STATION elect multi devices	0-1 IP Actuator	Guard Unit	Manage Softw	ement are Uttoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-02 Outdoor Station 001-02 Public Area	ST VIEW 1 2 3
Durdor Station Out-O1 Out-O1	E Outdoor Stations S S S S S S S S S S S S S S S S S S S	OUTDOOR STATION	0-1 IP Actuator	Guard Unit	Manage Softw	Utdoor Station 001-03 Outdoor Station 001-03 Outdoor Station 001-03 Outdoor Station 001-03 Public Area	ST VIEW

9.1.4 Set the indoor station

On the "MAIN MENU" screen, click "Device Management", " Indoor Stations", then click an indoor station to access the settings.



Operation

Basic information

	Indoor Station 001-0102-01 1	LIST VIEW
		Physical addr. 4
		Block No.: 1
	3	Floor No.: 1
		Room No.: 2
	No screensaver set for this indoor station yet	Device No.: 1
		Logic addr. 5
		Resident(s)/Tenant(s)
		First name 6
	پ Settings	Last name/Company name
		Carial Na :
		102807A7F0280D8
		Version 8
		HGI16_Main_V1.02_20190214_PF
No.	Function	
1	Device ID	
2	Click the icon to return to the previous screen	
3	Overview of the indoor station	
4	Display the physical address of the indoor station	
5	Display the logical address of the indoor station	
6	Display the first name and last name of the resident	
7	Display the serial number of the indoor station	
8	Display the version of the indoor station	

Addtional settings



⁽¹⁾ Duplicating the settings on another indoor station

Select the indoor stations and the settings to be duplicated, clice "Save" to duplicate the settings from the current indoor station to the designated indoor stations.

	Indoor Station	001-0101-01	LIS	T VIEW
			Duplicate settings	
			Settings Choos	e
Indoor Station 001- Indoor Station 0	D01-		Guard Unit Setttings	V
0101-01 0102-01			General settings	V
l L			Screensaver Settings	V
			Alarm system	V
			Smart Home	V
	J.			
	Settings		• ••	✔ Save

⁽²⁾ Updating the firmware via local PC

Click "Browser" and select the update file and the signature file form local PC, then click "Save" to update the firmware.

a	Indoor Station 001-0102-01	LIST VIEW
		Local firmware update
		Firmware update file
		C:\fakepath\ENC_HDI06_HGI16_V1
		Browser
	No screensaver set for this indoor station vet	Firmware signature file
		C:\fakepath\ENC_HDI06_HGI16_V1
		Browser
		-
	Settings	 ✓ Save

⁽³⁾ Updating the firmware via an external website

The routher must be connected to the internet before use (see the diagram below).

[1] Building type = residential



[2] Building type = functional

The routher must be connected to the internet before use (see the diagram below).



In this scenario, Smart Access Point must set the additional IP address.

 Image: Sos Im

On the "MAIN MENU" screen, click "Preferences".

		🔅 Preferences
Preferences	Network Settings	
System information	> LAN client	~
Language	> Network Settings	
Network	> Connecting capability	Connected
Project Backup	I V Obtain IP address automatically	
3rd party authrity	IP Address	
Abnormal devices	Subnet Mask	255.0.0.0
Onvif IPC list	Default gateway	
	Name server	
Misc Settings	Enable additional IP Address	
	IP Address	10.0.0.1
	Subnet Mask	255.0.0.0
	×	✔ Save

Click "Network", and set the settings accroding to the image below.

□	Indoor Station 001-0102-01	LIST VIEW
		Online firmware update
		Current software version:
		HGI16_Main_V1.07_20190225_PP_
		New firmware
	No ecroonsaver set for this indoor station vet	New firmware version:
		9.01
		V9.01 Test Version
	6	
	Settings	★ ✓ Save
(

Back on the indoor staiton screen, click "Online firmware update", Smart Access Point will search the latest version automatically. Click "Save" to update the firmware.

(4) Upload a screensave image

Click "Browser" and select an image (.jpg is supported only, maximum resolution of the image is 1024 x 600 pixels), click "Save" to send this image to the indoor station.

≣	Indoor Station 001-0102-01	LIST VIEW
		Screensaver
	No screensaver set for this indoor station yet	/file/images/750 🔟
	يخ	
	Settings	♦ ✓ Save

⁽⁵⁾ Upload a floor plan

Click "Browser" to select a floorplan image (.jpg is supported only, maximum resolution of the image is 1024 x 600 pixels), click "Save" to upload the floorplan.

	Indoor Station 001-0102-01	LIST VIEW
		Floor plan /file/images/750 Use a image / logo with 1024 x 600 pixels .
	No screensaver set for this indoor station yet	
	Settings	▲ ✓ Save

⁽⁶⁾ Setting the language

Select the language form the drop-down list, then click "Save" to save the setting.



9.1.5 Set the outdoor station

On the "MAIN MENU" screen, click "Device Management", " Outdoor Stations", then click an outdoor station to access the settings.



Basic information

= 2	Outdoor Station 001-01 1	LIST VIEW
	3 Welcome No welcome message. Image: Comparison of the second s	Device type 4 Outdoor Station Physical addr. 5 Block No.: 1 Device No.: 1 Serial No.: 6 101807A7F02D442 Version Version 7 HG005_Digital_V0.54_20181219_I Additional settings Physical addr. >
No.	Function	
1	Device ID	
2	Click the icon to return to the previous screen	
3	Overview of the outdoor station	
4	Device type of the outdoor station	
5	Display the address of the outdoor station	
6	Display the serial number of the outdoor station	

6 7

Display the version of the outdoor station

Addtional settings

■	Outdoor Station 001-01	LIST VIEW		
		Physical addr. 1	>	
	Welcome	Calling type 2	>	
	No welcome message.	Welcome message 3	>	
		Door lock setting 4	>	
		Time Synchronization 5	>	
		Lift control 6	>	
		Language <mark>7</mark>	>	
		Local firmware update 8	×	
	Settings Bulletin Name List	Online firmware update 9	>	
		List of trusted devices 10	>	
No.	Funciton			
1	Set the physical address for the outdoor station			
2	⁽¹⁾ Set the calling type for the outdoor station, please see the "Set the calling type" chapter for more details.			
3	⁽²⁾ Set the welcome message for the outdoor station			
-				

4	⁽³⁾ Set the door lock time for the outdoor station, please seeo the "Set the door lock time" chapter for more details.	
5	Set the time synchronization from the management software for the outdoor station	
6	Set the lift control function for the outdoor station	
7	Set the language for the outdoor station	
8	8 Update the firmware via local PC, please refer to the "Set the indoor station" chapter for more details.	
9	Update the firmware via the external website, please refer to the "Set the indoor station" chapter for more details.	
10	⁽⁴⁾ Set the trusted devices for the outdoor station, please see the "Set the trusted devices" chapter for more details.	
11	⁽⁵⁾ Set the welcome screen for the outdoor station, please see the "Set the welcome screen" chapter for more details.	
12	⁽⁶⁾ Manage the name list, please see the "Manage the name list" chapter for more details.	

⁽¹⁾ Set the calling type

Tick the "Name list" checkbox, the outdoor station will start a call via the name list.

Untick the "Name list" checkbox, the outdoor station will start a call via the keypad. Next, you can select "Physical address" or "Logical address" from the drop-down list.



⁽²⁾ Set the welcome message

Enter the text and click "Save", and the setting will be reflected on the screen of the outdoor station.



⁽³⁾ Set the door lock time

It the default lock type is set to "IP actuator", you need to add the outdoor station to the trusted list of IP actuators. Please see the "Set the IP actuator" chapter for more details.



⁽⁴⁾ Set the trusted devices

You need to enable the "Trust this management softeware" function if you want this outdoor station to unlock in the event of an emergency. Please see the "Emergency unlock" chapter for more details.

Click "Add trusted devices" to add the devices to the outdoor station.

For exmplae, you want the guard unit and the indoor stations to release the lock of this outdoor station, you need to add them to the trusted list.



⁽⁵⁾ Set the welcome screen

There are 2 functions for setting the welcome screen.

Outdoor Station 001-01	LIST VIEW
	Bulletin
	Developer Information >
	Bulletin >
Welcome	
Welcome	
<u>بر</u>	-
Settings Bulletin Name List	

[1] Developer information

Click "Development information", select an image or enter the words. The result will be displayed on the screen of the outdoor station.



[2] Bulletin

Click "Bulletin", "Add bulletin page", "Upload image/logo" to upload a logo or a word. This logo or word will be displayed on the screen of the outdoor station.

A maximum of 3 bulletins can be uploaded. The outdoor station plays the bulletins one by one and each bulletin is displayed 10 s.

Gutdoor Station 0	01-01	LIST VIEW
Welcome		Bulletin 🔟
Sunset Boulevard 130	2	Image/Logo Upload image/logo
Developer Information No image uploaded	on	Use a image / logo with 800 x 600 pixels.
Settings	Name List	× √ Save

⁽⁶⁾ Manage the name list

1. Add the name list

There are 2 ways to add the name list

Method 1: Import the name list from another outdoor station

Click "Import name list entries" and select the another outdoor station. Then click "import" to import the name list from another outdoor station.



Method 2: Add the name list on Smart Access Point

Click "Add item", enter the resident information, upload the image as and assign the indoor stations to the user, click "Save" and select the another outdoor station. Then click "import" to import the name list from another outdoor station.



2. Copy the name list to the other outdoor station

Click "Copy name list to other OS", select the destination outdoor stations, click "Import".

Gutdoor Station 001-01	LIST VIEW
	Name List
	Import name list entries
#01	Copy name list to other OS
Jacky, Cheng Floor 01	Remove all entries
	Name list entries
	Search by name list
	J
+ Add item	Jacky,Cheng
Settings Bulletin Name List	

3. Remove the name list

Click "Remove all entries", then click "Continue" to clear the name list.



Design label

The function is for IP pushbutton outdoor station only.

Access the settings screen of IP pushbutton outdoor station first, then click "Design lable".

Cutdoor Station 001-03	LIST VIEW	
<i>z</i> t.	Additional settings	
	Physical addr.	>
	Door lock setting	>
	Time Synchronization	>
	Lift control	>
M. Nueller	Local firmware update	>
	Design label	>
	Online firmware update	>
Settings	List of trusted devices	>

There are a lot of setting items for designing the lable. When you complete the design, click "Print" to pirnt it.

■	Outdoor Station 001-03		LIST VIEW
			Arial Unicode MS 🗸
	Jacky	\bigcirc	Fontsize
	cachy	\bigcirc	30 ~
			Horizontal Alignment
			EEE
			Vertical Alignment
			$\uparrow \rightarrow \downarrow$
			Material
			Black ink on white paper White ink on transparent foil
	×		◯ Black ink on transparent foil
	Settings		 ✓ Print

9.1.6 Set the guard unit

On the "MAIN MENU" screen, click "Device Management", "Guard unit".



	GUARD UN	T		Add device	LIST VIEW	
					Guard Unit	
					Guard Unit #01	>
Guard Linit #01						
B		0-				
Outdoor Stations	Indoor Stations	IP Actuator	Guard Unit	Management Software		

On the "GUARD UNIT" screen, click a guard unit to access the settings.

Operation

🖬 2 Gua	rd Unit #01 1	LIST VIEW	
		Device No. 4	
		1	
3		Serial No.: 5	
		103807A7F02801B	
		Version 6	
		HGM53_Main_V1.02_20190	214_PP.
ME		Additional settings	
		Local firmware update 7	>
((CCDD))		Online firmware update	>
Settin	, ngs	× ✓ Save	
No. Function			

NO.	Function	
1	Device ID	
2	Click the icon to return to the previous screen	
3	Overview of the guard unit	
4	Device number of the guard unit	
5	Display the serial number of the guard unit	
6	Display the version of the guard unit	
7	Update the firmware via local PC, please refer to the "Set the indoor station" chapter for more details.	
8	Update the firmware via the external website, please refer to the "Set the indoor station" chapter for more details.	

9.1.7 Set the IP actuator

On the "MAIN MENU" screen, click "Device Management", " IP actuator".



IP ACTUATOR Add device LIST VIEW IP Actuator IP Actuator Block IPA 001-01 > 0-Block IPA 001-01 Public Area Public Area ٦ := **~** Outdoor Indoor Stations IP Actuator Guard Unit Management Stations Software

On the "IP ACTATOR" screen, click a IP actuator to access the settings screen.

Operation

≣ 2	Block IPA 001-01	LIST VIEW
		Device type 4
	3 LAN & & & & & & & & & & & & & & & & & & &	Building IPA 🗸
	. OND DO'LLOOK- LOOK- DOD DS EXIT	Physical addr. 5
	H9304 IR Actuator	Block No.: 1
	ABB-IVelcome IP	Device No.: 1
	Status Reset	Serial No.: <mark>6</mark>
		104000CDE017FEE
	ис сом но	Version 7
		HGM51_V0.22_20181130_ES_STN
		Additional settings
		Unlock setting 8 >
		Local firmware update 9 >
		Online firmware update 10 >
	-	List of trusted devices 11 >
		× ✓ Save
No.	Function	
1	Device ID	
2	Click the icon to return to the previous screen	
3	Overview of the IP actuator	
4	Set device type of the IP actuator (e.g. network IPA, building IPA and p	private IPA)
5	Display the physical address of the IP actuator	
6	Display the serial number of the IP actuator	
7	Display the version of the IP actuator	
8	⁽¹⁾ Set the lock connected to the IP actuator	
9	Update the firmware via local PC, please refer to the "Set the indoor st details.	ation" chapter for more
10	Update the firmware via the external website, please refer to the "Set the for more details.	he indoor station" chapter
11	⁽²⁾ Set trusted devices for the IP actuator	

⁽¹⁾ Set the lock connected to the IP actuator

<u>a</u>	Block IPA 001-01	LIST VIEW
		Lock-GND
		Output mode AC output ~
		Unlock time
	ABB-Welcome IP Status Preset ERI & ERI C C C	- 5 + Relay lock
		Time of light 30 +
	Settings	× ✓ Save
⁽²⁾ Set the trusted devices for the IP actuator

You need to enable the "Trust this management softeware" function if you want this IP actuator to unlock in the event of an emergency. Please see the "Emergency unlock" chapter for more details.

Click "Add trusted devices" to add the devices to the IP actuator.

For exmplae, you want the guard unit and the indoor stations to release the lock of this IP actuator, you need to add them to the trusted list.

Block IPA 001-01	LIST VIEW
Lev Wie do Look Look con one de bor HB304 HP Actuator ABB-Weicome IP Status Status Reset Security Switch EIE Con Security Switch	No trusted device
	Add trusted devices Trust this management soft X Save
Add trusted devices	
× ✓	

Release the IP actuator connected to the outdoor station

If the default lock type of the outdoor station is set to "IP actuator", you need to select an IP actuator.

Gutdoor Station 001-01	LIST VIEW
Welcome No welcome message.	Default Lock IP Actuator IP actuator type Power lock IP actuator addr. Select IP Actuator addr.
Settings Bulletin Name List	01 Subsidiary Lock NO-NC-COM

This outdoor staiton must be added to the trusted list of IP actuator in advance.

Guard Unit #U1 building1 Public Outdoor Station 001-02 Outdoor Station 001-03 Outdoor Station 001-0101 Indoor Station 001-0101-01 Indoor Station 001-0102-01

9.2 User management

9.2.1 Enter the settings screen

On the "MAIN MENU" screen, click "User Management" to access the settings.

0 Fa sos O	•	MAIN MENU		
	User Management	Message Center	Device Management	
	Add and edit users and guests.	Configurate message center.	Devices Configuration	
🛔 jacky				Preferences

9.2.2 Adding users one by one

On the "USER MANAGEMENT" screen, click "Add user", select the user role (e.g. admin), enter the user name, first name, last name etc., click " \checkmark " to add a user.

A maximum of 2000 users can be added on the system.

HOME 0 SOS O	< USERMANAGEMENT >
	USERS
	+ Add User Import User
ADD NEW USER	
New user	
User name	Test
First name	
Last name	
User role	admin 🗸
Password	
Confirm	
×	\checkmark

9.2.3 Importing the users via a template

On the "USER MANAGEMENT" screen, click "Import user", "Download user's template" to download a CSV file named "user_template.csv" to the local PC.

HOME 0 SOS O	< USERMANAGEMENT >
	USERS
	+ Add User
INFORMATION	
	Browser
×	\checkmark

Open the CSV file and enter the data.

A1		- E >	< 🗸	fx Inde	×				
	Α	В	С	D	E	F	G	Н	Ι
1	Index	Building N	Floor No.	Apartment	User Name	Card Numl	Lift contro	I	
2	1	1	1	1	Martin	11112	1.2.3.4.5.0	5.7.8	
3	2	1	1	1	Bill	11113	-76.1.2.3	3	
4	3	1	1	2	Paul	11114	All		
5	4	3	5	3	Sally	11115	63.64		
6									
7									

*Card number

If multiple cards are used in the same apartment, they should be entered on different lines. Maximum length of card nunmer is 10 digits.

*Lift control

Different floors numbers must be separated with "."; Enter "All" if all floors are used. Leave blank if no floor is used.

	INFORMATION				
		Download use	r's template		
	C:\fakepath\user_temp	late.csv		Browser	
	×		✓		
	INFORMATIC	N			
Users					D10
		Ō	Successfully im	ported	ie
BF		Ŭ	2		ai
Betty,Fu	B		1		
JC	КZ	мо	PW	P0	Jacky,Chei
Jacky,Cheng	Krystal,Zhou	Martin,0010101	Patrick, Wang	Paul,0010102	Krystal,Zhu
					Martin 001

Click "Browser" and select the CSV file, click " \checkmark " to import the data to the system.

9.2.4 Assign the deives to the user

Please see the "Add the devices" chapter to add the devices to Smart Access Point before use. On the "USERS" screen, click a user name (e.g. "jacky") to access the corresponding screen.



1. Manage the user cards

Assigning the user card to the user

On the "jacky" screen, click "User card", "Add card".

jacky	E LIST VIEW	v
	jacky	Û
J	User role: admin	
	Groups & doors	
	User Card	>
	Indoor Station	>
User Card Indoor Station Doors	Doors	>
ii	User Information	
	Edit User Account	>
	Change Password	>
Please select a category to assign the user to		
Indoor Station, doors, tags and keycards.	•	
izeky		
Add card Keycard/Tag		
Profile User Card Indoor Station Doors		

Enter the data then click " \checkmark ",

ADD NEW CARD Add new car	d	
Card Type	Keycard/Tag 1	~
Validity Period	Limited Validity 2	×.
Start	Mar 1, 2019	31
End	Mar 1, 2020	31
Register By	Outdoor Station 3	×
Card Reader	Outdoor Station 001-01	~
Available floor No.	1,10 4	+
×	✓	

No.	Function
1	Card type
1	You can use a keycard or tag.
	Validity period
2	The system default is "Unlimited validity".
	If "Limited validity" is selected, you need to enter the start date and the end date.
	Register type
3	If "Card no." is selected, you can enter the card number directly. (support for ID cards only)
	If "Outdoor Station" is selected, the card number will be obtained from the outdoor station.
	Floor no.
4	Click "+" and select the floor number (see the diagram below).
	With this setting, swiping the user card provides access to the designated floor via the lift.

If "Register by" is set to "Outdoor station", you need to select an outdoor station and swip the user card on this outdoor station when you see the "Please swipe" prompt.

A maximum of 200 user cards can be assigned to a user.

ADD NEW KEYCARD/TAG
Please hold the keycard/tag against the card reader. Time out: 04:59
Please swipe
×

Deleting a user card from a user

On the "jacky" screen, click the user cards, then click "Delete Card", " $\!\!\sqrt{}\!\!$ " to delete it.

i.				jacky		
	A	+ dd card	116811304	0445824		
	Key	INFORMATION				
		User Card				_
		Card Type	DesFire Ca	rd		
		Card No.	1168113040)445824		
		Validity Period	2019-03-01	~ 2020-03-01		
		Available floor No.	1, 10			
		×		1	Delete Card	
		Profile	User Card	Indoor Station	Doors	

2. Manage the indoor stations

Assigning the indoor stations to the user

On the "jacky" screen, click "Indoor Station", click an indoor station and then click " $\!\!\sqrt{}$ " to add the indoor station to the user.



Removing an indoor station from a user

On the "jacky" screen, click an indoor station on the "Assigned" section, then click " $\sqrt{}$ " to remove the indoor station from the user.



3. Manage the doors

Assign doors to a user

On the "jacky" screen, click "Doors", click an outdoor station and click " $\!\!\sqrt{}$ " to add the door to the user.





Note

The user card assigned to this user can unlock all the locks assigned to this user. If the user card is removed from the user, it cannot unlock the locks assigned to this user.

It is recommended that user cards are created and maintained using local outdoor stations or management software only.

Removing doors from a user

On the "jacky" screen, click an outdoor station on "Assigned" section, then click " $\sqrt{}$ " to remove the outdoor station from the user.



9.2.5 Changing user information

On the "USERS" screen, click the username (e.g. "jacky") to access the corresponding screen.

	🖁 USER	s
	+ Add User	Import User
Users		
J jacky		
	Users	

In the "LIST VIEW", you can edait the user account or change the user password.

i jacky	E LIST VIEW	
	jacky	Ū
J	User role: admin	
	Groups & doors	
	User Card	>
	Indoor Station	>
User Card Indoor Station Doors	Doors	>
	User Information	
	Edit User Account	>
	Change Password	>
Please select a category to assign the user to Indoor Station, doors, tags and keycards.	•	

9.2.6 Deleting users

On the "USERS" screen, click the user name (e.g. "jacky") to access the corresponding screen.

	🖁 USER	s
	+ Add User	Import User
Users		
J jacky		
	Users	

In the "LIST VIEW", you can click \fbox , " \checkmark " to delete the user.

÷E	jacky		E LIST VIEW	
			jacky	Ŵ
	J		User role: admin	
			Groups & doors	
			User Card	>
			Indoor Station	>
User Card	Indoor Station	Doors	Doors	>
			User Information	
			Edit User Account	>
			Change Password	>
Please select a	ategory to assign the use	r to		
Indoor Station	, doors, tags and keycards	5.	•	

Note

If there is only one admin user, it cannot be deleted.

9.2.7 Logging in with different accounts

If there are no more than 5 admin users, you can click an account and enter the password to log in.

 jacky admin2 admin3 	Please Login	
admin2	🚔 jacky	
admin3	admin2	
	admin3	

If there are more than 5 admin users, you need to enter the account and the password to log in.

Please	Login
	jacky
	•••••
	Login

9.3 Notification

9.3.1 Enter the Settings screen

On the "MAIN MENU" screen, click • to access the "Notification" screen.

0 Ra sos (MAIN MENU		
	User Management	Message Center	Device Management	
	Add and edit users and guests.	Configurate message center.	Devices Configuration	
1				
				Preterences
Jacky				
	sos 🔿 📘	<	NOTIFICATION	>
	sos O	NOTIF		>
HOME 0	sos 🔿 📘	< NOTIF		>
HOME 0	sos O P	< NOTII		>
HOME 0	sos O P	< NOTIF		>
HOME 0 122 Notification	sos O P.	< NOTIF		>
HOME 0 1200 Notification Alarm list	sos O P.	< NOTIF	NOTIFICATION	>
HOME 0 Point	sos O P	< NOTIF	NOTIFICATION	>
HOME 0 Point	SOS O P	< NOTII	FICATION	>

9.3.2 Alarm list

On the "NOTIFICATION" screen, click "Alarm list", then click an alarm, you can change the status and add the comments.

A maximum of 50,000 alarms is supported.

		NOTIFIC	CATION
Notification		Alarm list	Indoor Station 001-0101-01
🛔 Alarm list	>	Filter 🗸	Reported device: Indoor Station 001-0101-01 Time: 2019-03-05 21:25
▲ Device Fault	>	Reported device: Indoor Station 001-0 21:25	Detector type: SOS alarm Status: Not processed
(i) Call list	>	Detector type: SOS alarm	
Unlock list	>		Status
			Please select V
			Please select
			Processed
			False alarm
		< 1/1 > C	•

You can use the filter to view the designated alarms.

For example, tick "Today", and click "Inquire" to view that today's alarm records.

		NOTIFI	CATION
Notification		Alarm list	Indoor Station 001-0101-01
Alarm list	>	Filter ~	Reported device: Indoor Station 001-0101-01
▲ Device Fault	>	Start	Detector type: SOS alarm Status: Not processed
Call list	>	1	
Unlock list	>	End	Status
		Mar 5, 2019	Please select V
		 ☑ Today Alarm Status 	Comment
		All states 🗸 🗸	
		Clear Inquire	
		< 1/1 > C	*

9.3.3 Device Fault

On the "NOTIFICATION" screen, click "Device Fault", then click an alarm. You can then change the status and add the comments.

A maximum of 50,000 fault records is supported.

			NOTIFI	CATION
No	tification		Device Fault	Outdoor Station 001-01
	Alarm list	>	Filter ~	Reported device: Outdoor Station 001-01 Fault device: Block IPA 001-01
Δ	Device Fault	>	Reported device: Outdoor Station 001-0121:52	Time: 2019-03-05 21:52 Detector type: Connection recovery
1	Call list	>	Reported device: Outdoor Station 001-0121:52	Status: Not processed
	Unlock list	>	Fault device: Block IPA 001-01	Status
				Processed ~
				Comment

You can use the filter to view the designated fault records.

For example, tick "Today" and click "Inquire" to view that day's fault records.

			NOTIFICATI	DN	
Notification		Device Fault			
Alarm list	>	Filter	~		
A Device Fault	>	Start			
Call list	>		81		
Unlock list	>	End			
		Mar 5, 2019	31		
		✓ Today			
		Alarm Status			
		All states	~		
		Clear	Inquire		
		< 1/1 >	C		

9.3.4 Call list

On the "NOTIFICATION" screen, click "Call list" to view the call records. A maximum of 500 call records is supported.

			NOTIFI	CATION	
Notification		Call list		Form: Outdoor Station 001-01	
🔒 Alarm list	>	Filter ~		Form: Outdoor Station 001-01 To: Indoor Station 001-0101-01	
A Device Fault	>	Form: Outdoor Station 001-01 22:22		Time: 2019-03-05 22:22 Talking time: 3s	
Call list	>	Form: Indoor Station 001-0102-01	22:17	Result: Missed call Unlock state: Not unlocked	
Unlock list	>	To: Guard Unit #01			
		Form: Outdoor Station 001-01 To: Indoor Station 001-0102-01	22:16		
		Form: Outdoor Station 001-01 To: Indoor Station 001-0102-01	22:15		
		Form: Outdoor Station 001-01 To: Guard Unit #01	22:11		
		Form: Outdoor Station 001-01 To: Guard Unit #01	22:08		
		< 1/1 >	C	•	

You can use the filter to view the designated call records.

For example, tick "Today" and click "Inquire" to view that today's call records.

		NOTIFI	CATION
Notification		Call list	Form: Indoor Station 001-0102-01
Alarm list	>	Filter ~	Form: Indoor Station 001-0102-01
A Device Fault	>	Start	Time: 2019-03-05 22:17 Talking time: 6s
Call list	>	<u>8</u>	Result: Answered Unlock state: Not unlocked
Unlock list	lock list >	End	
		Mar 5, 2019 Image: Constraint of the second seco	
		< 1/1 > C	♠

9.3.5 Unlock list

On the "NOTIFICATION" screen, click "Unlock list" to view the unlock records. A maximum of 50,000 unlock records is supported.

			NOTIFIC	CATION
Notification		Unlock list		Opener: Indoor Station 001-0102-01
Alarm list	>	Filter	~	Opener: Indoor Station 001-0102-01 Unlock device: Outdoor Station 001-01
🛕 Device Fault	>	Opener: Indoor Station 001-0102-01	22:16	Unlock time: 2019-03-05 22:16 Unlock type: Unlocked by IP Touch panel
(i) Call list	>	Unlock device: Outdoor Station 001-01		Unlock state: Unlocked
Unlock list	>			
		< 1/1 >	С	*

You can use the filter to view the designated unlock records.

For example, tick "Today" and click "Inquire" to view that day's unlock records.

			NOT	IFICATION		
No	tification		Unlock list	Opener: Indoor Station 001-0102-01		
	Alarm list	>	Filter	Opener: Indoor Station 001-0102-01 Unlock device: Outdoor Station 001-01		
Δ	Device Fault	>	Start Unlock time:			
(Call list	>	31	Unlock state: Unlocked		
	Unlock list	>	End			
			Mar 5, 2019			
			✓ Today			
			Unlock			
			all 🗸			
			Clear Inquire			
			< 1/1 > C			

9.4 Message Center

This chapter is for functional Smart Access Point only.

On the "MAIN MENU" screen, click "Message Center" to access the corresponding screen.

0 Ra sos	•	MAIN MENU		
	<u>•</u>	<u> </u>	-	
	User Management	Message Center	Device Management	
	Add and edit users and guests.	Configurate message center.	Devices Configuration	
🛔 jacky				Preference

9.4.1 Creating and sending a message

On the "MESSAGE CENTER" screen, click "+" to set a receiver, then enter the subject and the message, click " $\sqrt{}$ " to create and send the message.



9.4.2 Viewing and replying to messages

On the "MESSAGE CENTER" screen, click "Inbox" to view the message received from the indoor stations. You can click a message and reply it directly.

A maximum of 1000 messages is supported.

	MESSAGECENTER					
MessageCenter		Inbox	Test			
Inbox	>	Search	Indoor Station 001-0101-01			
Outbox	>	Filter ~	Test receive time: 2019-03-05 22:53			
		Indoor Station 001-0101-01 22:53 Test	Hello!			
			RE:Test			
			Hello			
+		< 1/1 > C	×			

You can use the filter to view the messages in the inbox.

For example, tick "Today" and click "Inquire" to view that day's messages.

		М	ESSAGECENTER
MessageCenter		Inbox	Test
Inbox	>	Search	Indoor Station 001-0101-01
Outbox	>	Filter ~	receive time: 2019-03-05 22:53
		Start	Hello!
		31	
		End	
		Mar 5, 2019 31	
		✓ Today	RE:Test
		building	
		all 🗸	Start typing your reply here.
		Room No.	
		~	
+		Indoor Station	•

Your replay messages can be viewed on the "Outbox".

A maximum of 100 messages can be supported.

			М
MessageCenter		Outbox	
Inbox	>	Search	Search
Outbox	>	Filter	~
		Indoor Station 001-0101-01 RE:Test	23:01
			C

You can use the filter to view the messages in the outbox.

For example, tick "Today" and click "Inquire" to view that day's messages.

			N
MessageCenter	6	Outbox	
Inbox	>	Search	Search
Outbox	>	Filter	~
		Start	
			31
		End	
		Mar 5, 2019	31
		✓ Today	
		building	
		all	~
		Room No.	
		-	~
+		Indoor Station	

9.5 Emergency unlock



Note

Smart Access Point must be added to the trusted list on the outdoor stations, gate stations and Public IP actuators before this function is used.

On the "MAIN MENU" screen, click "SOS" and enter the user password, click "Unlock all public doors" to release all the locks connected to the outdoor stations/gate stations and public IP actuators.

0 😼 sos 🔿 🖡		MAIN MENU	
Us	ser Management Messa	ge Center Device	Management
Add	and edit users and Configura guests. ca	ate message Devices enter.	Configuration
🛔 jacky			Preferences
1 🔂 sos 🔿 📘		MAIN MEN	IU
	EMERGENCY UNLOCK SOS Attention User name: Password	This operation will un jacky	lock all public doors!
	×	Unic	ock all public doors
	Add and edit users an	d Configurate message	e Devices Configuration

10 FCC

FCC ID: 2AEBL-D04012

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Only operate the device in accordance with the instructions supplied.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment

generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If

this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

11 Cyber security

11.1 Disclaimer

D04012 products are designed to be connected and to communicate information and data via a network interface, which should be connected to a secure network. It is customer's sole responsibility to provide and continuously ensure a secure connection between the product and customer's network or any other network (as the case may be) and to establish and maintain appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of antivirus programs, etc.) to protect the D04012 product, the network, its system and interfaces against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information. ABB Ltd and its affiliates are not liable for damages and/or losses related to such security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information.

Although ABB provides functionality testing on the products and updates that we release, you should institute your own testing program for any product updates or other major system updates (to include but not limited to code changes, configuration file changes, third party software updates or patches, hardware change out, etc.) to ensure that the security measures that you have implemented have not been compromised and system functionality in your environment is as expected.

11.2 Performance and service and network performance

Туре	Value
Ethernet	100 Mbps (148,800 packets/s)
ARP	20 Mbps (29,760 packets/s)
ICMP	100 Mbps (148,800 packets/s)
IP	60 Mbps (89,280 packets/sec)

Port and service

Port	Service	Purpose
80	TCP	HTTP web service for the Management Software (end user UI interface)
443	TCP	HTTPS web service for the Management Software (end user UI interface)
5222	TCP	Service for XMPP client
5269	TCP	Xmpp server
5280	TCP	Service for XMPP HTTP administrator service
5281	TCP	Service for XMPP HTTPS administrator service
7000	TCP	RPC service for device
8832	TCP	Xmpp client
8887	TCP	RPC service for device for firmware update
8888	TCP	Service for HTTP Proxy Server for firmware update
10700	TCP	RPC service for device (under TLS)
49152	TCP	UPnP service
1900	UDP	UPnP service
3333	UDP	Multicast UDP service for device
7777	UDP	Service for device with UDP

11.3 Deployment guideline

Please do not install in a public place and ensure that physical access to the devices is granted only to trusted personnel.

The device needs to be installed in secure locations to prevent theft and avoid offline attacks.

When this product is installed on a home network, make sure there is no public export service to the internet via any Dynamic DNS services.

If the user decides to remove the device from system, the user shall reset the device to the factory settings to remove all the configuration data and sensitive data on the device. This will prevent sensitive data leaks.

11.4 Upgrading

If new firmware is available, the system will prompt the user to perform a remote update and the user can choose the version to update in "Preferences" on Smart Access Point.

11.5 Backup/restore

Users can create a data backup (project backup) which is saved in Smart Access Point. For data security, it is suggested to export the data backup to other external storage devices. Users are recommended to create a backup version after completing the first initialization operation. Thereafter, create a backup every time any major changes are made, such as adding or deleting devices. Backup data can be imported to Smart Access Point system for use by the admin user.

11.6 Malware prevention solution

The device is not susceptible to malware, because custom code cannot be executed on the system. The only way to update the software is via firmware upgrade. Only firmware signed by ABB can be accepted.

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