



BAB TECHNOLOGIE GmbH

EIBPORT

HOOC Gateway Manager Documentation

EIBPORT V3 / FACILITYMASTER

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EN



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1 INTRODUCTION

The pre-installed HOOC Services in the EIBPORT is a convenient "Plug & Play" VPN solution for your secure remote access. The establishment of a port forwarding or a fixed IPv4 address is a thing of the past. No additional hardware is required.

Our partner for this development is company HOOC AG. HOOC AG is an internationally active company located in Switzerland.

The principle: Via the HOOC gateway (HOOC CONNECT E Gateway) integrated as standard in the EIBPORT an encrypted VPN connection to the HOOC Cloud is established. This function is available from firmware version 3.9.0.

In this way, the "HOOC Cloud" creates its own virtual and completely isolated network for each system.



Figure 1: Principle - System remote access

The HOOC app on your iOS or Android client, but also on your PC, is using Secure Remote Access to establish an encrypted VPN connection to the HOOC cloud to the corresponding virtual network in the same way. After establishing the connections, a "virtual network cable" (Ethernet, Layer-2) is created between the system and the HOOC app. All protocols provided in the system's network can be used accordingly when using the HOOC services. Other deployed applications in the HOOC cloud, such as Secure Proxy, are based on the same principle.

The HOOC services together with the EIBPORT offers the most modern service for remote access, programming, control and maintenance in the field of KNX. In combination with the alerting, monitoring and reporting packages, HOOC together with the EIBPORT offers a unique all-round package in Europe for the carefree operation of KNX systems.

By using the BAB STARTER or via the web interface of your EIBPORT you can access to the EIBPORT HOOC Gateway Manager (remote system access) for required setup.

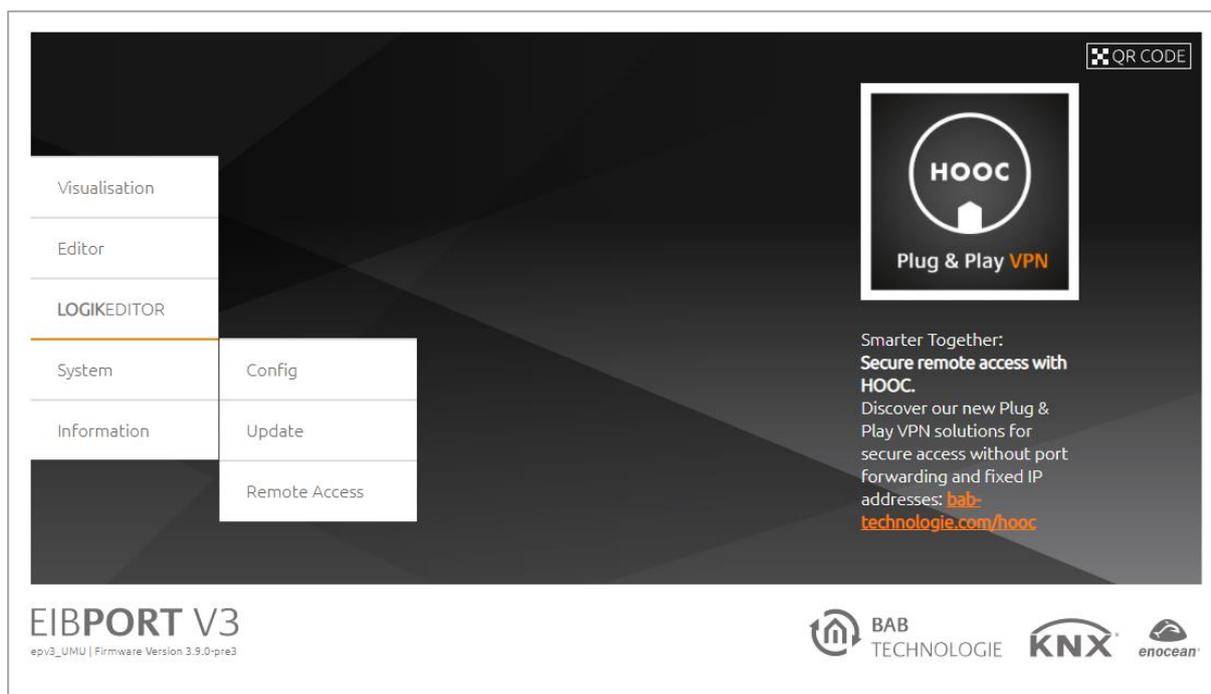


Figure 2: EIBPORT - System / Remote access

The HOOC Gateway Manager can be found in every EIBPORT since version 3.9.0. For older EIBPORT version's 3 (year of production from August 2011) a free firmware update is available.

Further information about the HOOC Services can also be found at:

<https://docs.hooc.me/de/>

In order to use HOOC Services you need in addition to the EIBPORT a license for using the services.

1.1 MISCELLANEOUS

The HOOC CONNECT E Gateway in the EIBPORT links to the HOOC Cloud via an encrypted and secure VPN connection. It forms the core of the HOOC VPN services and in addition to extensive user management, offers many additional features such as a KNX bus monitor or alarm messages with push function.

In just **four steps** you can activate secure remote access to your smart home system:

Step 1: Select license on "elopage" – "elopage" is the sales service provider for HOOC AG. Select a suitable license for your project, whether BAB LIFETIME PREMIUM or BAB LIFETIME PROFESSIONAL. With our Lifetime licenses you will find the perfect solution.

Step 2: Set up a HOOC Admin Account - set up an account for your installation in the HOOC Portal. If you, as a system integrator, wants to manage several facilities, simply add them in your account. So everything remains clear and you have immediate access.

Step 3: Open HOOC Gateway Manager in EIBPORT - the HOOC Gateway Manager can be found in every EIBPORT since version 3.9.0. For all EIBPORTs of version 3 (year of production from August 2011) a free firmware update including the "HOOC Connect E" gateway is available.

Step 4: Register EIBPORT in the HOOC Portal - connect the EIBPORT by exchanging hardware ID and authentication code. The EIBPORT is now ready for use as a full-fledged VPN gateway.



2 EIBPORT HOOC GATEWAY MANAGER

To open the HOOC Gateway Manager in the EIBPORT use the BAB STARTER or the web interface of your EIBPORT. Via the menu "System" on "Remote access" you get to the login.

For the login are used the access data of the EIBPORT.

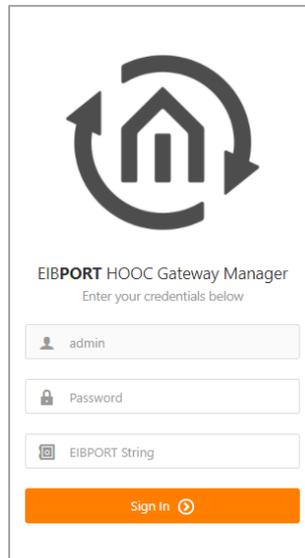


Figure 3: EIBPORT HOOC Gateway Manager - Login

In order to use the HOOC Services you need a license, which the HOOC Services can be activated in your EIBPORT. The activation takes place in a few steps only. In the following, the procedure is described in more detail.

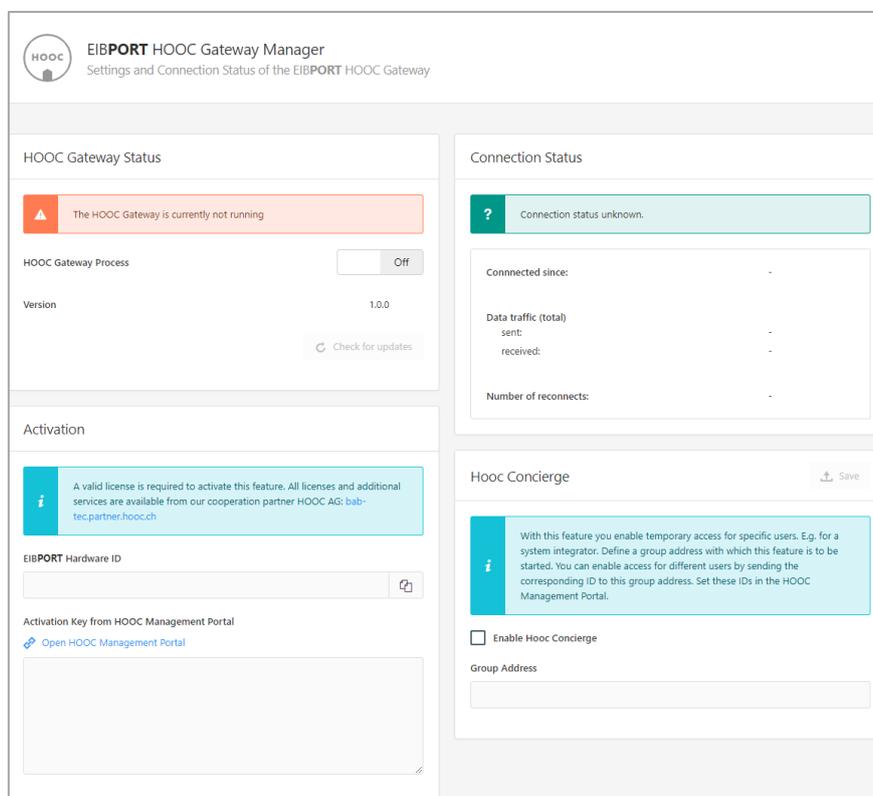


Figure 4: EIBPORT HOOC Gateway Manager – Homepage

2.1 HOOC SERVICES AT EIBPORT ACTIVATION

To set up and activate the HOOC Services in your EIBPORT there are required various steps.

We recommend that you open the required WEB pages with several own windows to allow a simple and fast page change, so that copied entries are easier to transfer.

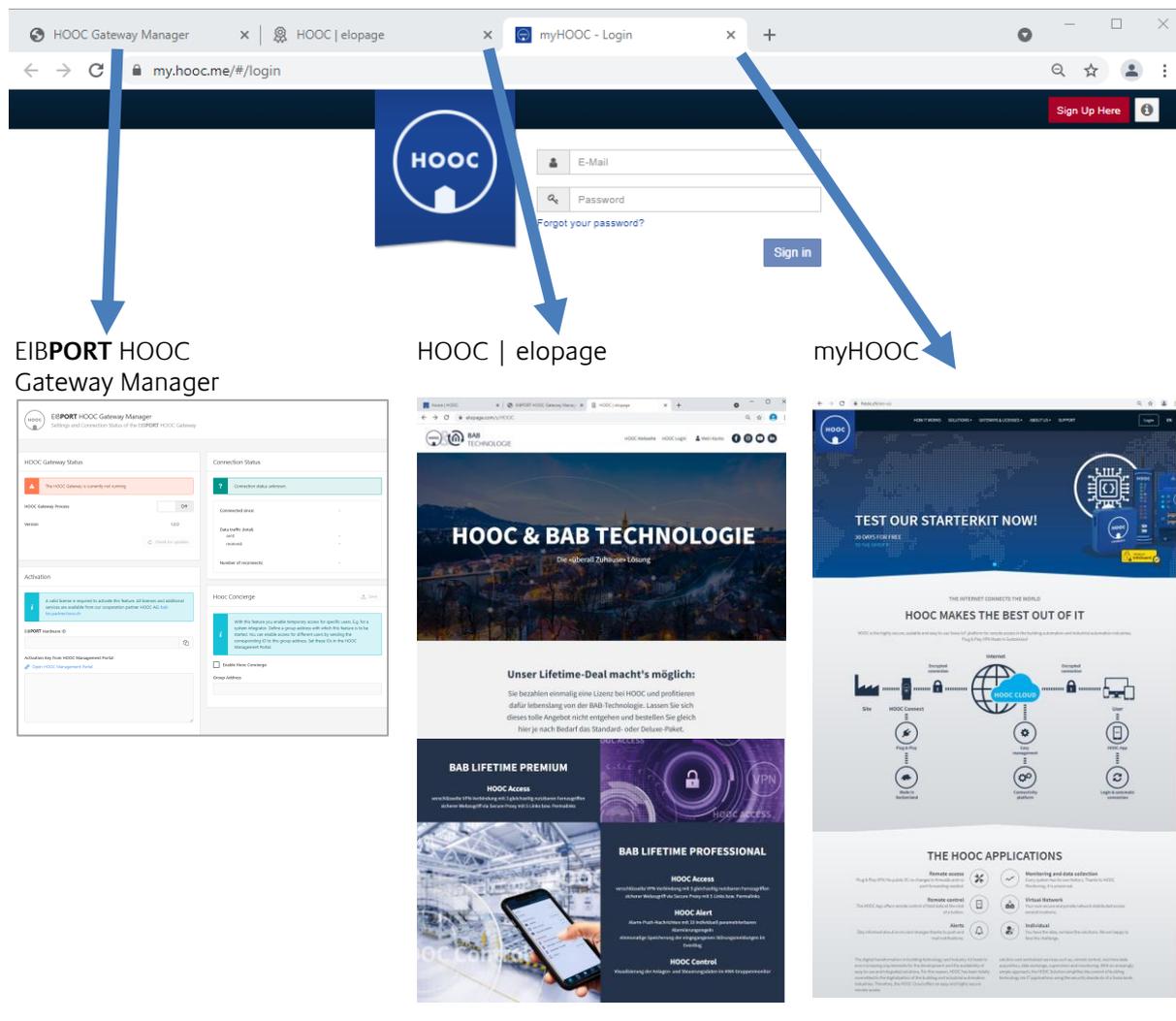


Figure 5: WEB - required browser tab's

Now proceed as described below:



PURCHASE LICENSE

To use the HOOC Services you need a license. If you have already opened the HOOC Gateway Manger in the EIBPORT simply use the displayed link there.

You can also use the link below of the Use the HOOC | platform:

<https://elopage.com/s/HOOC>

Choose a license from our promotion offers (special and only for BAB customers!) which meets your needs. Click on the appropriate license. Please note that the HOOC Embedded BAB 3for1 is only available for a limited period of time.

With the purchase of a license, a 20-digit serial number (license code) is generated, which is sent to you by e-mail. You need these in the HOOC portal.

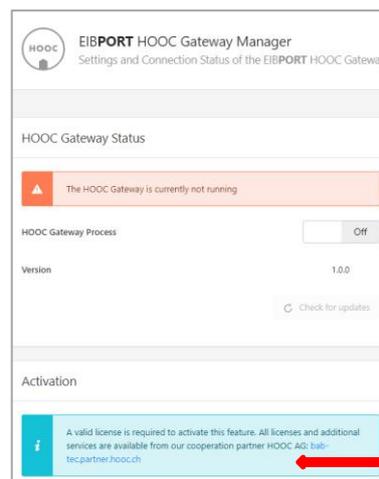


Figure 6: EIBPORT - HOOC Services license

REGISTER IN THE HOOC PORTAL

To use the HOOC Services a user account on the HOOC portal is required. For this purpose, a HOOC Admin Account will be set up. In your account on HOOC Portal your sites (facilities) are created and managed.

If you want to manage multiple sites (facilities) as a system integrator, you can simply add them to your account. Everything remains clear and you have immediate access.



Figure 7: HOOC-Portal - Reseller

Log in as an administrator in the HOOC portal.

Are you a new customer?

Enter <https://my.hooc.me> in your web browser and click on "Register here" at the top right.

Figure 8: HOOC-Portal - Admin-Account

Close the pop-up window "About the Reseller Account" to create the admin account. Enter your details (name, address, e-mail, etc.) in the provided form and click on "Register".

After "Registering" you will receive an e-mail that will be used to confirm your created account.

Check your e-mail inbox (if necessary as well as your SPAM folder), so that your news HOOC Account can be activated.

Are you already a customer?

Sign up with your username and password at <https://my.hooc.me>.

CREATE FACILITY (SITE)

To use HOOC therefore is a facility (site) also required. The facility to be used for HOOC is still to be created in your HOOC account.

Figure 9: HOOC portal - Management of Sites

IMPORTANT: Regardless of whether you are a new or existing customer, you must create for each new BAB device a site (facility).

After logging in you will get directly to the admin overview (Sitemap Reseller). On the left side, navigate to the item "Sites". Click on the "+" at "Overview of your own Sites".

Now enter description, contact, location and time zone your BAB TECHNOLOGIE Gateway.

Figure 10: HOOC portal - Create new site

Info: In case that you want to switch to the sites account or the respective associated services, click on the symbol "Arrow in the box" on the right of the respective facility (site). By clicking on the HOOC logo you will be back to the overview.



LICENSE ACTIVATION

After creating your site (facility) you can now activate the license. To do this, enter the 20-digit serial number (license code) generated in step 1 (purchase license).

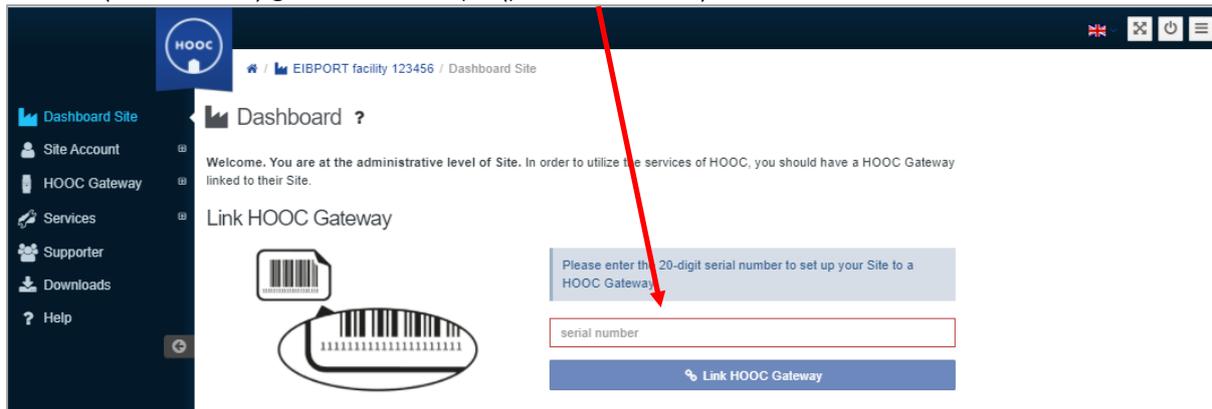
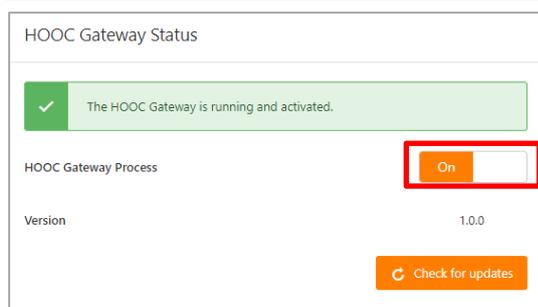


Figure 11: HOOC portal - Serial number activation

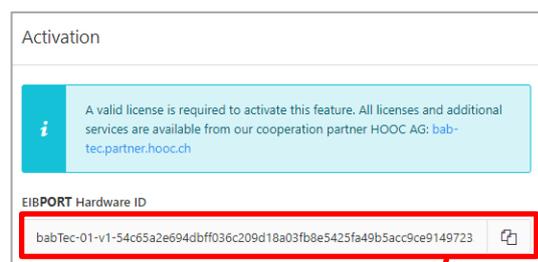
After entering confirm by clicking on "Link HOOC Gateway". If no forwarding is performed, an error with this serial number (e.g. possible fault characters or the serial number is already in use). After confirmation the "Link HOOC Gateway" a hardware ID of the EIBPORT is required.

HARDWARE ID CREATION



To activate and use the HOOC service in the EIBPORT, the gateway must be switched on. At the same time as switching on the HOOC Gateway, a EIBPORT hardware ID is also generated.

Figure 12: EIBPORT HOOC Gateway - switch on



The connection between your system and the HOOC Cloud is made via the button "Link HOOC Gateway". To do this, enter the hardware ID of your EIBPORT, using the copy icon, into the HOOC portal for your site (facility).

Figure 13: EIBPORT - Hardware ID

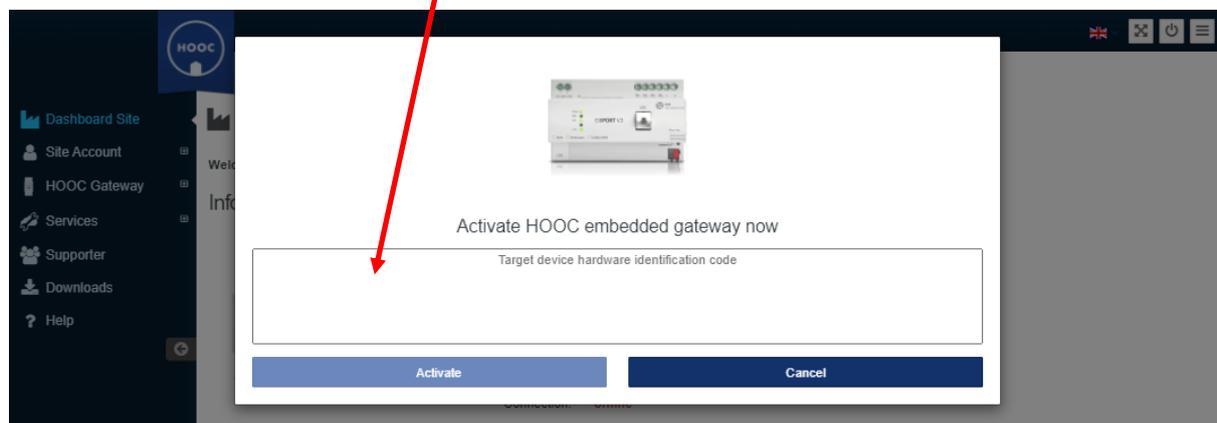


Figure 14: HOOC portal - Enter hardware ID

ACTIVATION EIBPORT AT HOOC PORTAL

You have entered the **HARDWARE ID** of your **EIBPORT** and after a short time the activation key appears in the **HOOC Portal**.

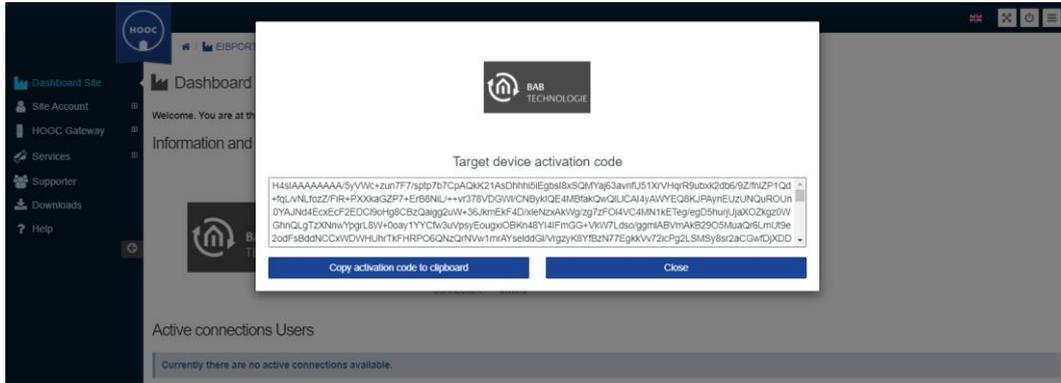
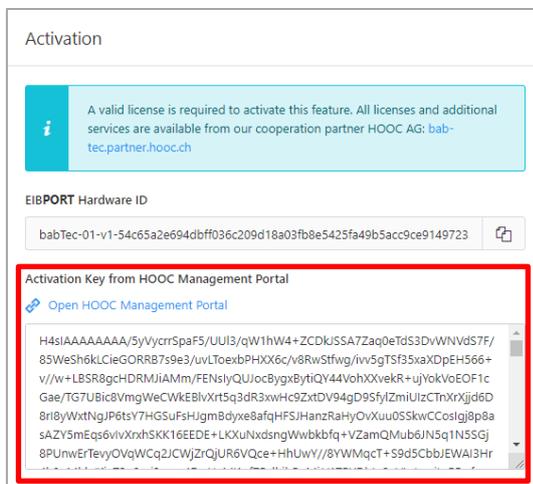


Figure 15: HOOC portal - activation key

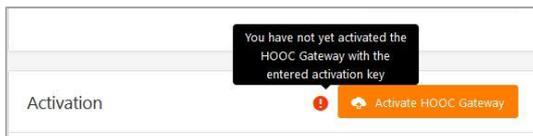


After pushing on the "Link HOOC Gateway" in the HOOC Portal, a window opens to enter the **HARDWARE ID** of your **EIBPORT**.

After your entry at HOOC portal generates an activation key (activation code).

Store the activation key in the cache for copy into the **EIBPORT HOOC Gateway**.

Figure 16: EIBPORT - Activation key



Confirm the activation.

Figure 17: EIBPORT HOOC Gateway activation

Your site (facility) is now enabled and operational, what is displayed in the connection status. If necessary, it must be checked whether updates are available. Update your **EIBPORT HOOC Gateway**.



EIBPORT HOOC Gateway Manager
Settings and Connection Status of the EIBPORT HOOC Gateway

HOOC Gateway Status

✓ The HOOC Gateway is running and activated.

HOOC Gateway Process On

Version 1.0.0

✓ Up to date

Activation

i A valid license is required to activate this feature. All licenses and additional services are available from our cooperation partner HOOC AG: babtec.partner@hooc.ch

EIBPORT Hardware ID

babTec-01-v1-54c65a2e694dbff036c209d18a03fb8e5425fa49b5acc9ce9149723

Activation Key from HOOC Management Portal

[Open HOOC Management Portal](#)

H4slIAAAAAA/5yVycrrSpaF5/UUI3/qW1hW4+ZCDkISSA7Zaq0eTdS3DvWNVdS7F/
 85WeSh6kLCieGORR87s9e3/uvLT0exbPHXX6c/v8RwStfwg/ivv5gTSf35xaXDpEH566+
 v//w+LBSR8gcHDRMjiAMm/FENslyQUJocBygxBytiQY44VohXXvekR+ujVokVoEOF1c
 Gae/TG7UBic8VmgWeCWkEBlvXrt5q3dR3xwHc9ZxtDV94gD9SfylZmiUlzCTnXrxj6D
 8ri8yWxtNgJP6tsY7HGSuFshJgmBdyxe8afqHFSJ.HanzRaHyOvXuu0SSkwCCoslgj8p8a
 sAZY5mEq96lvXrxhSKK16EEDe+LKXuNxdSngWwbkfq+VZamQMub6JN5q1N5SGj
 8PUUnwErTevyOVqWCq2JCWjZrQJUR6VQce+HhUwY//8YWMqCT+S9d5CbbJEWAi3HR

Connection Status

✓ The HOOC Gateway is connected to the HOOC Cloud.

Connected since: 6/7/2021, 1:28:48 PM

Data traffic (total)

sent:	120.3 KB
received:	0 B

Number of reconnects: 0

Hooc Concierge Save

i With this feature you enable temporary access for specific users. E.g. for a system integrator. Define a group address with which this feature is to be started. You can enable access for different users by sending the corresponding ID to this group address. Set these IDs in the HOOC Management Portal.

Enable Hooc Concierge

Group Address

Figure 18: EIBPORT HOOC Gateway Manager - HOOC services active

Note: For time-limited licenses you should switch off the HOOC Gateway at the end of the operation time in order to avoid any further data flow (attempted connection establishment).



2.2 EIBPORT REMOTE - HOOC CLIENTS

If your EIBPORT has been activated for the HOOC remote access, you can now establish the remote connections to other devices. For this purpose, different applications with diverse operating systems are available to you.

The setup and establishing of these remote connections is done with just a few clicks.

From the site (facility) management in your HOOC Portal account go to the desired facility (your EIBPORT). Here you open the symbol "change to the site" by Action.

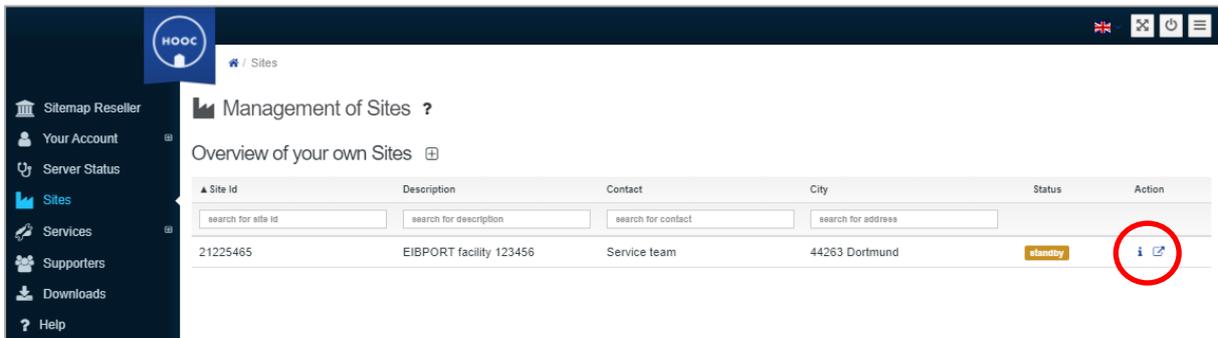


Figure 19: HOOC portal - Management of Sites

It opens the window of your selected EIBPORT. Here you can see the status of the EIBPORT. The extension icon "License Type" lists the characteristics of your license.

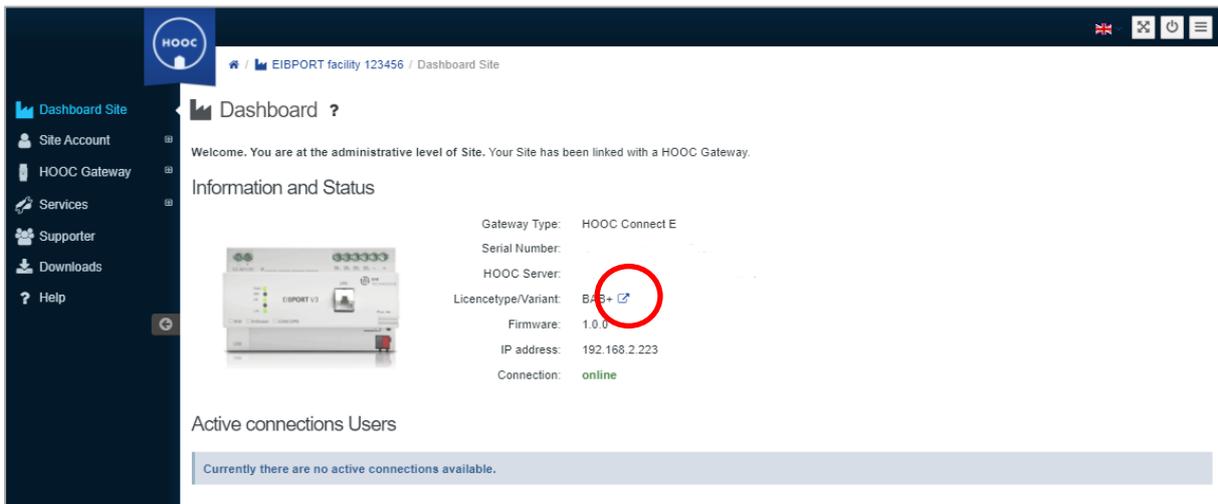
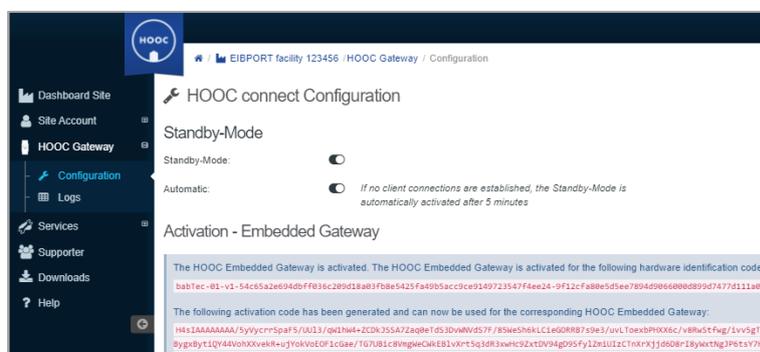


Figure 20: HOOC portal - EIBPORT information and status



Settings for your EIBPORT activation can be found when you open the submenu of "HOOC Gateway". Here you can see the HARDWARE ID (1) and the activation key (2).

Figure 21: HOOC portal - HOOC Gateway Configuration



In the left menu bar, under Services you will find more submenus. The submenu "Services" contains, among other things, the necessary settings for your clients in the menu item "Remote Access". Under the menu item "Client" you will find information about interfaces and the links of the respective applications that can be integrated with HOOC Client Apps.

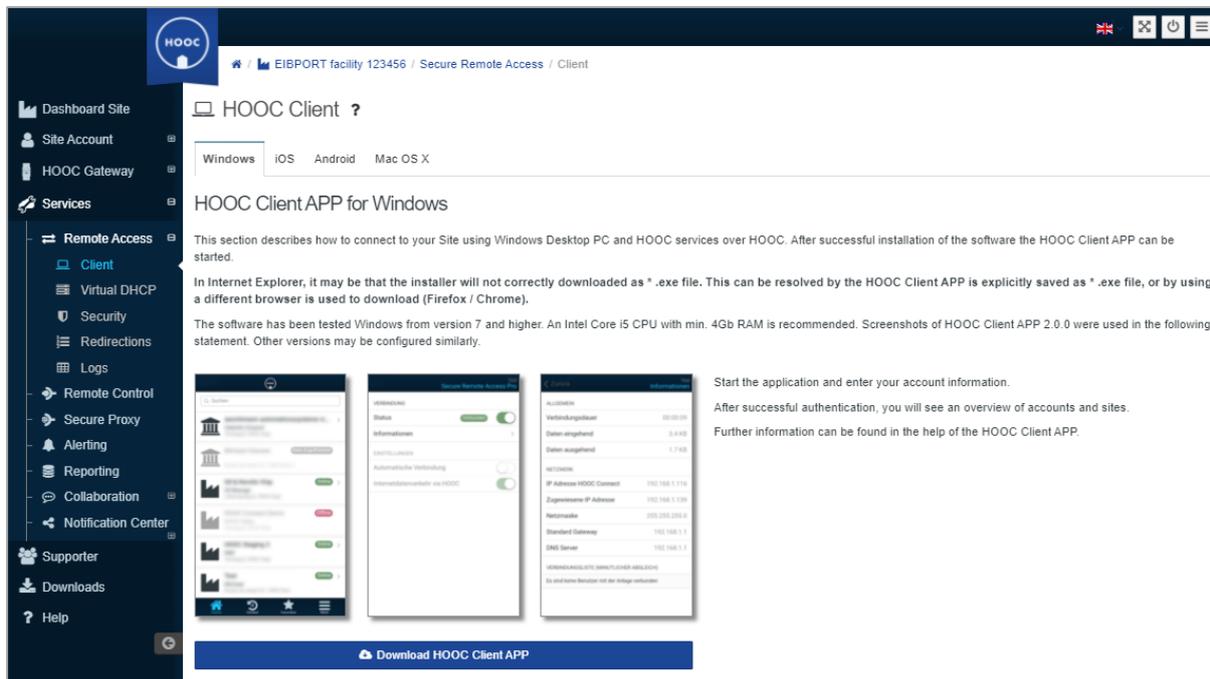


Figure 22: HOOC portal - HOOC Client

2.2.1 EIBPORT REMOTE - HOOC CLIENT APP

For easy and as well fast connection of your EIBPORT via HOOC VPN, you can set up a forwarding to your Android devices. This makes it easy to establish a secure remote connection to your device with installed CUBEVISON APP 2.

As described above, you go directly to the desired site (your EIBPORT), to the services and to the menu item "Redirections" via the management of sites.

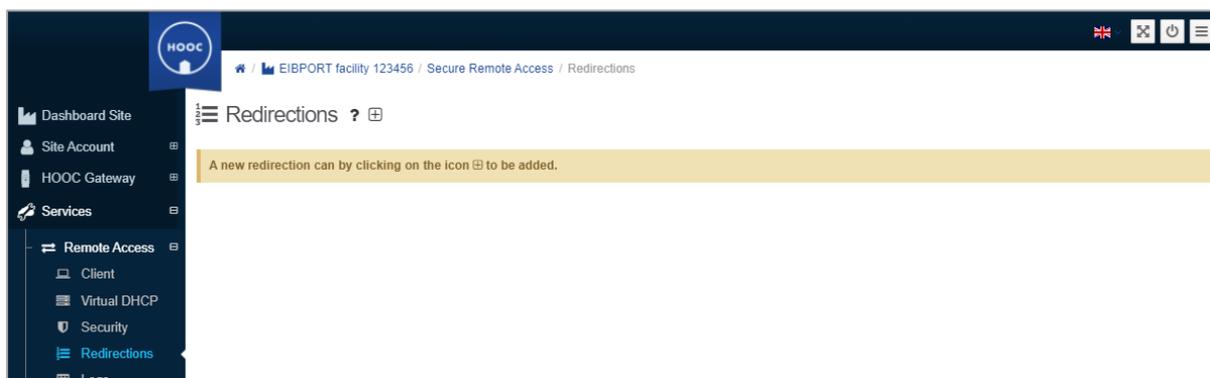


Figure 23: HOOC portal - Redirections to client

Now you can add the desired redirect with "+". Please note the settings of the different operating systems.

2.2.2 EIBPORT REMOTE – HOOC CLIENT APP (ANDROID)

The following is a description of setting up a mobile device with OS Android and using CUBEVISION APP 2:

Add the desired redirection with "+". The following data must now be entered:

Target: select "android"

Type: set to "app"

Description: Your free device name

Link - to enter here: de.babtec.cvmobile2.app

Confirm the data by the check mark at the end of the line. If the data is correct, they will be shown that the forwarding has been set up. Otherwise, you need to correct.

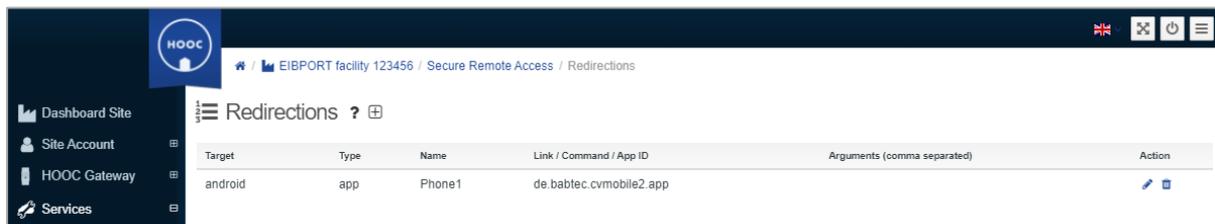


Figure 24: HOOC Portal - Redirection client OS Android

Now the connection is setting up on your Android device:

Install the HOOC Client APP on your Android device. Log in with your HOOC Portal access data.

After logging in, your EIBPORT (facility) will be displayed, which is also available online. Go to the icon for <next>. The icon <next> in "Secure Remote Access" you can access the connection settings of your EIBPORT (facility). Now the status switch is to be activated, so that VPN is activated. The VPN availability is also displayed in the status indicator of the Android device.

This puts you in "Secure Remote Access" mode.

Finally, go to the REDIRECTIONS that you have created in the HOOC portal.

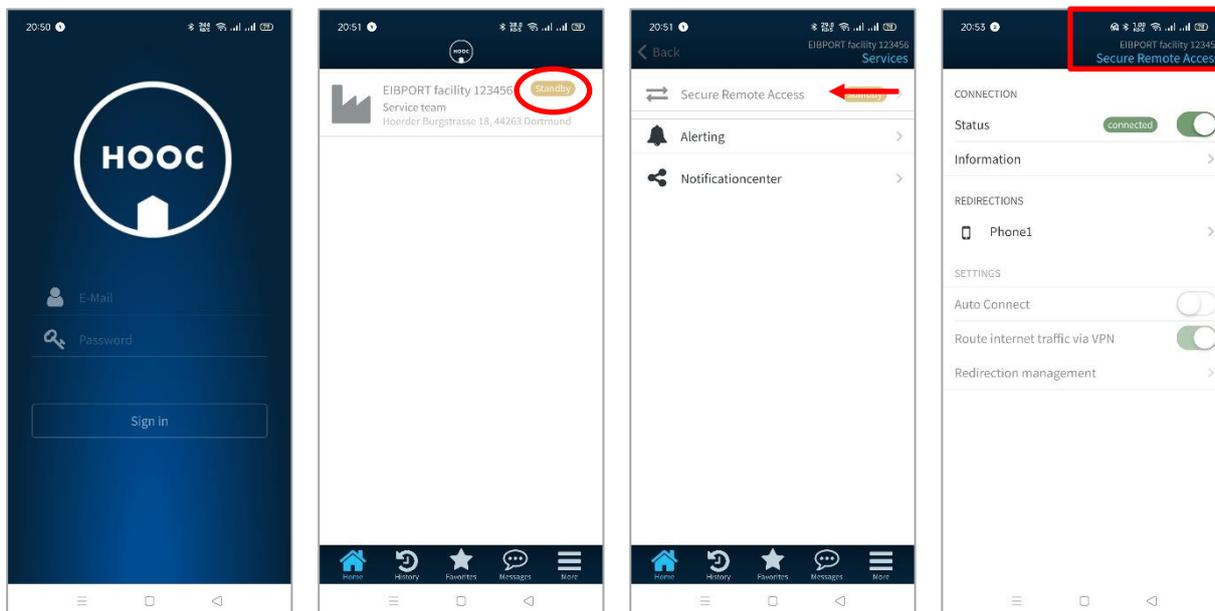


Figure 25: Android device - HOOC Client APP settings

This takes you directly to the CUBEVISION APP 2 for the visualization of your system.



2.2.3 EIBPORT REMOTE – HOOC CLIENT APP (APPLE IOS)

The following is a description of setting up a mobile device with Apple iOS and using CUBEVISION APP 2:

Add the desired redirect with "+". The following data must now be entered:

- Target: select "ios"
- Type: set to "app"
- Name: Your device name
- Link - enter here: `cubevision://`

Confirm the data by the check mark at the end of the line. If the data is correct, they will be shown that the forwarding has been set up. Otherwise, you need to correct.

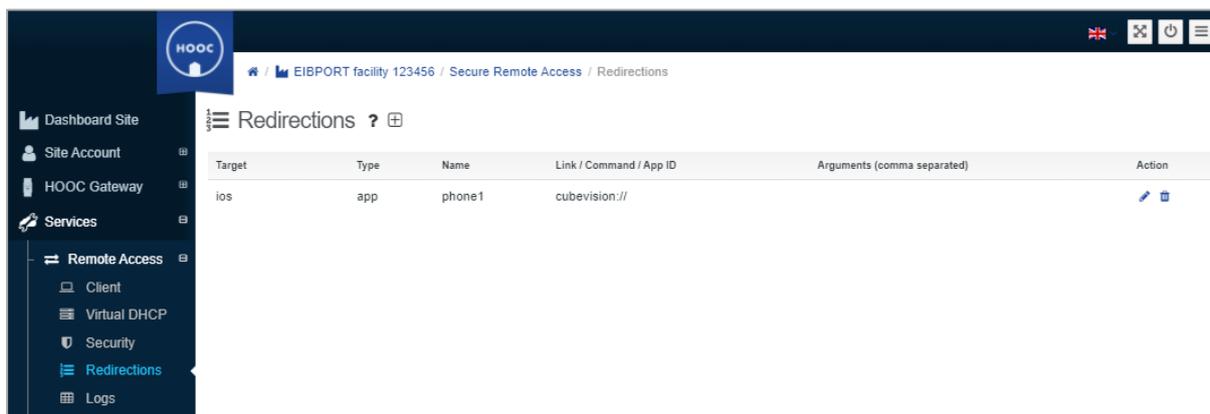


Figure 26: HOOC Client iOS APP – Redirection

Now the connection is set up on your iOS device:

Install the HOOC Client APP on your iOS device. Log in with your HOOC Portal access data.

After logging in, your EIBPORT (facility) will be displayed, which is also available online. Go to the icon for <next>. Via icon <next> in "Secure Remote Access" you can access the connection settings of your EIBPORT (facility). Now the switch is to be activated in the status, so that VPN is activated. The VPN availability is also displayed in the status of the iOS device.

This puts you in "Secure Remote Access" mode.

Finally, go to the REDIRECTIONS that you have created in the HOOC portal.

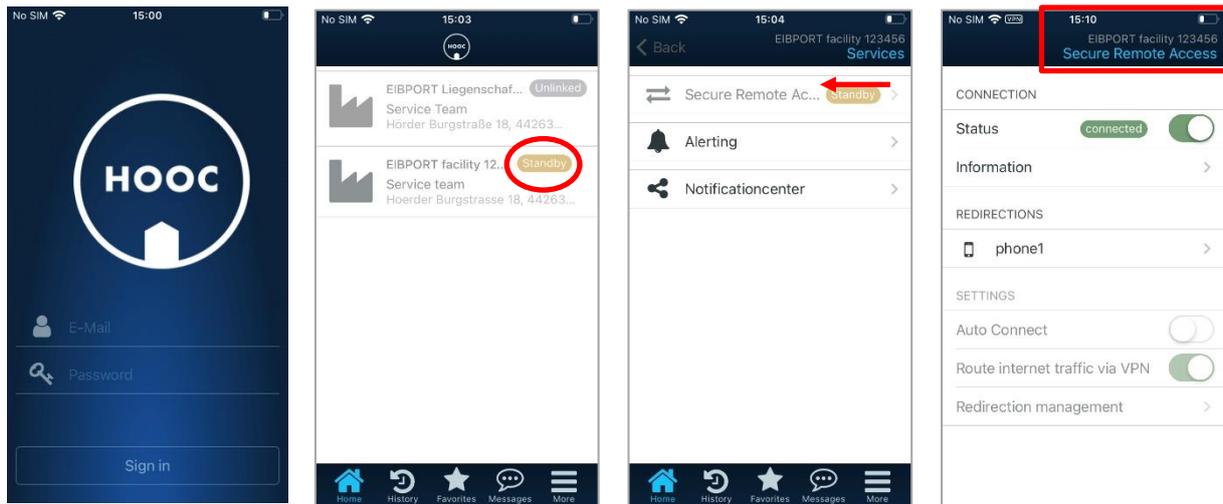


Figure 27: iOS HOOC Client - APP

This takes you directly to the CUBEVISION APP 2 for the visualization of your facility.

Note: It is important to make sure that your CUBEVISION 2 app has higher version than 2.2.6, otherwise this internal link will not be forwarded, and you have to make the settings manually.



2.3 HOOC CONCIERGE

So that you as user of the site (EIBPORT) can enable a defined and time-limited access for your defined service partner (system integrator), there is the HOOC CONCIERGE. Access can be easily activated via a group address. This allows the activation to be integrated into your visualization. The required group address (EIS 14 / DPT5, 1Byte) transmits the ID of the system integrator you have previously determined. These ID's are configured in the HOOC Portal with the respective access rights.

To do this, proceed as follows:

- Activation of the HOOC Concierge,
- Enter the specified group address.

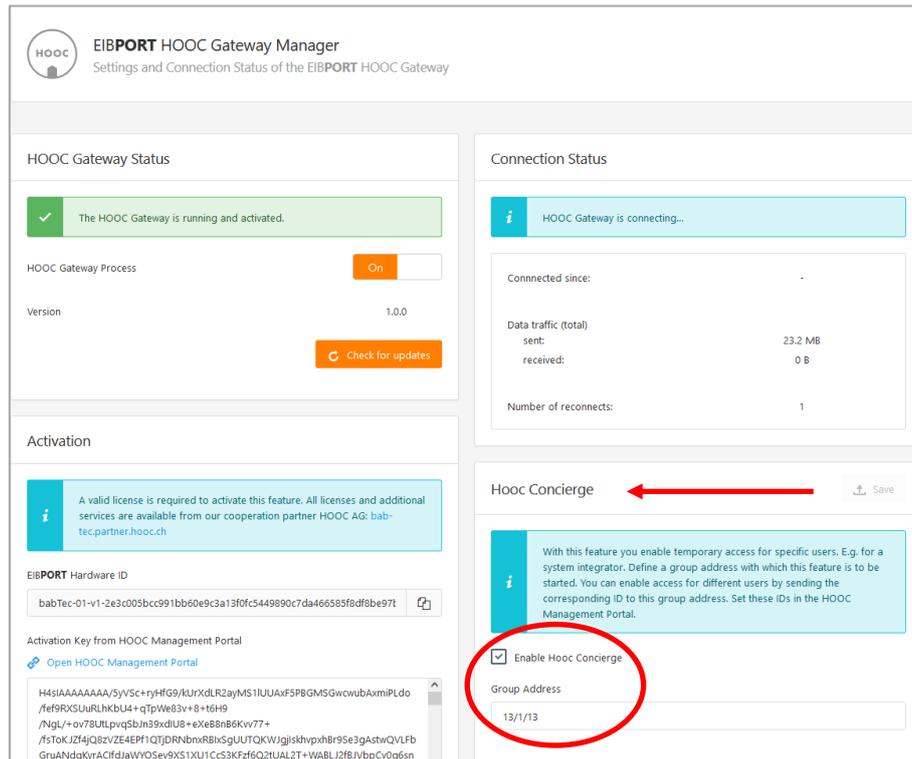


Figure 28: EIBPORT HOOC Gateway Manager - HOOC Concierge

- Open the HOOC portal, here you go to your sites (EIBPORT), which is to be activated for maintenance access.
- Now create under the supporters (integrators) who want to get access to your site (EIBPORT).

Active	Admin	OTP	3rd party ID	Start	Expiry	Name	E-Mail	Company	State	Action
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	-	-	Max Service1	service1@bab.info	BAB TECHNOLOGIE GmbH	access right	i 🗑️ 🔧
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12	-	-	Max Service2	service2@bab.info	BAB TECHNOLOGIE GmbH	access right	i 🗑️ 🔧
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23	-	-	Fritz Smart	fritz@smart.com		access right	i 🗑️ 🔧
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	-	-	Paul Support	support@bab.info	BAB TECHNOLOGIE	access right	i 🗑️ 🔧

Figure 29: HOOC Portal - Management of Supporter

- As via you can set the ID and access rights, as well as access times.

Access Settings Supporter

Allow access *When activated, the Supporter has read access rights to this level, and read and write access to all subordinate levels, including use of the respective services depending on the expiry date.*

Admin rights *When activated, the Supporter has write access to this level, in so far as access is allowed depending on the expiry date.*

OTP required *The two-factor authentication of the supporter must be activated to gain access.*

3rd party ID:

Start date: Allow access immediately

Expiration date: Allow access forever

Figure 30: HOOC portal - Access Settings Supporter

At there are summarized the contact information of the supporter. At the site (EIBPORT) of the supporter an e-mail must be entered. The supporter must verify this e-mail. In this process, he will be asked to enter his full contact details so that this account becomes valid.

By you delete the supporter entry.

Thus, HOOC Concierge is set up and the current status can be queried via the Supporter ID. In order to automate this procedure and thus simplify it for you, there can be used a logic group at your disposal, which you have to adapt only to your Site (EIBPORT) configuration (group address). (see appendix: [HOOC – EIBPORT Logic group: query Concierge Status](#))

Note: At the time of the date change, open sessions are terminated.



2.4 DEACTIVATION - HOOC SERVICES

A deactivation of the HOOC services in the EIBPORT may be necessary if you use a time-limited license, in case of modification or decommissioning of the system, as well as only device change of the HOOC Gateway.

For time-limited licenses, you should turn off the HOOC Gateway at the end of the runtime in order to avoid any further data flow (attempted connection establishment). For time-limited licenses, the services are only available to you to a limited extent, but the HOOC Gateway on your EIBPORT is not automatically switched off.

An uninstallation of HOOC services on your EIBPORT takes place opposite to the installation procedure. First, the linked connections must be "unlinked":

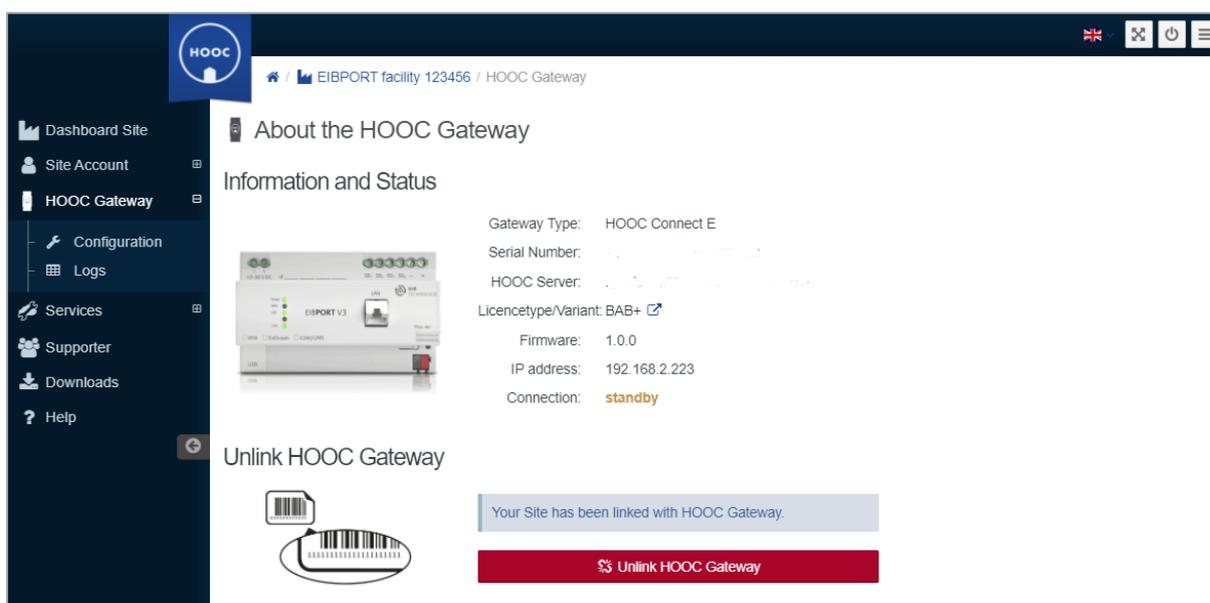


Figure 31: HOOC portal - Unlink HOOC Gateway

Then you can delete the sites (facilities) in the management of sites. For further use, the facilities must then be reconnected. With the same license, no new activation key is created. There is only one error notice, because the connection was already configured and the connection to the facility is restored again.

Up to the fact that you have deleted all sites (facilities), only from this status it is possible to delete the HOOC account completely.

3 APPENDIX

3.1 HOOC SERVICES PRACTICE TIPS

3.1.1 STANDBY MODE

For the HOOC Gateway, a standby mode can be activated. This allows you to reduce traffic.

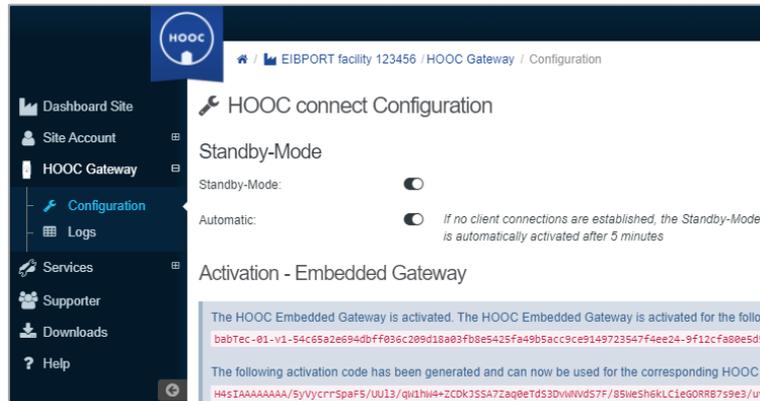


Figure 32: HOOC portal - Standby mode

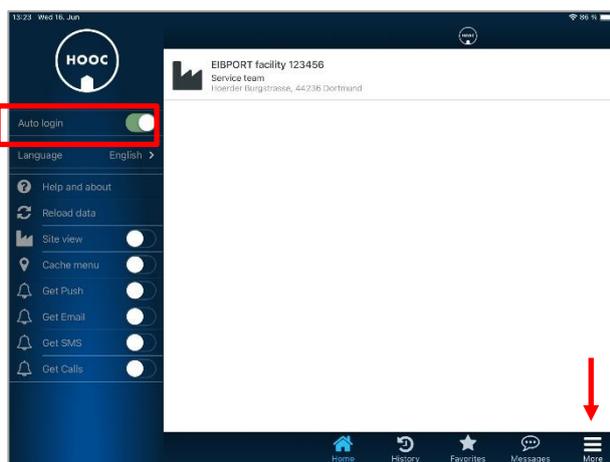
In operating mode are consumed for keep alive data about 1 GB over the connection. In standby mode it is only about 15 MB. When starting clients, the standby mode is automatically activated.

Calling a Sprox URL, on the other hand, does not terminate the mode.

Secure proxy links only work again when either the client has been started or the standby mode in the portal (my.hooc.me) has been manually terminated.

Practical tip: In the setup phase, it is recommended not to activate the standby mode in order not to restrict access to the EIBPORT as a programming interface for the ETS.

3.1.2 HOOC CLIENT APP – AUTO LOGIN

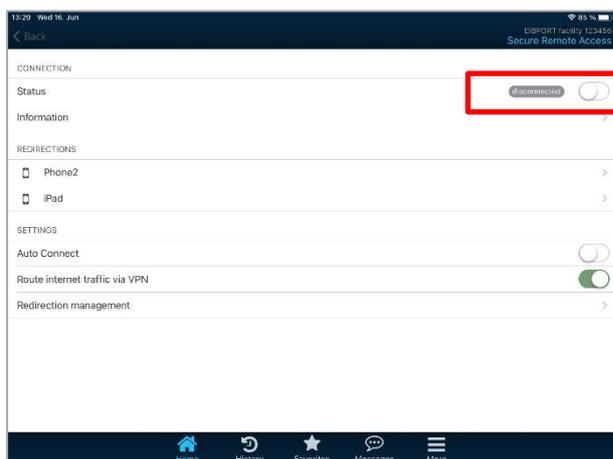


For the quick and easy handling of the HOOC Client APP (Android / iOS) an automatic login can be activated.

To do this, go via the menu item "More". Then the left extension menu opens.

Here you have to activate "Auto Login" only.

Figure 33: HOOC Client APP - auto login



If the connection to the EIBPORT (Gateway) enabled, the extension menu is hidden. Thus, you must first deactivate the connection status. Then the extension menu will be displayed and you can activate "Auto Login".

Figure 34: HOOC Client APP - auto login if connected

3.1.3 HOOC – EIBPORT LOGIC GROUP: QUERY CONCIERGE STATUS

To display the status of the Plug&Play VPN Concierge function in a visualization, there is to use a logic group in the **LOGIKEDITOR** (<https://www.logikeditor.de>) of the EIBPORT that cyclically queries the status.

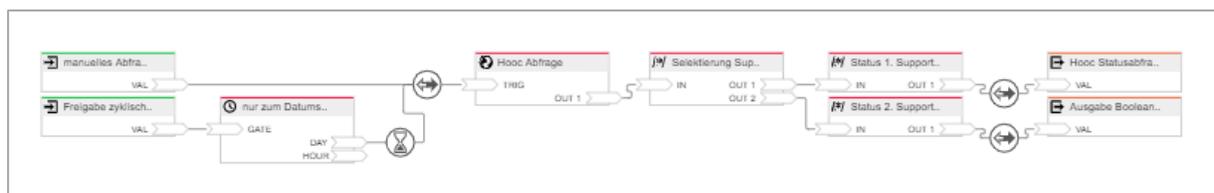


Figure 35: LOGIC GROUP - HOOC Query Concierge Status

The concierge function can be activated by the user via a group address to allow a system integrator access if it is necessary. This logic group queries the status of this function and passes on the current status to the KNX BUS (e.g. for a visualization).

To the function.

By http request ("Hooc query") the status of all set up supporters is queried and passed to the text processor "Selecting Supporter". This text processor reads the status of each individual supporter and passes it to the following text processor(s). The following text processor "Status X. Supporter" outputs the final status.

Depending on how many supporters are created, the corresponding number will be also:

- from outputs in the text processor "Selecting Supporter" and
- of text processors "Status X. Supporter" required.

The number can be expanded or minimized as needed.

In the text processors "Status X. Supporter" the corresponding ID must be assigned. The ID are assigned by the user in the "Administration of Supporters".

In the example the query is triggered with a delay before the date change. But can also be set up hourly by the time transmitter.

As an alternative to the cyclic query, a manual query is also possible at any time.

You can import this logic group directly in the **LOGIKEDITOR** of your EIBPORT.

<https://www.logikeditor.de/en/gruppe/abfrage-concierge-status/>