

# weinor BiConnect app and BiConnect box

Operating instructions for the user

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#### **Intended use**

weinor BiConnect App and BiConnect Box are intended exclusively for the installation and manual or automated control of electrical loads (e.g. lighting, shading and awning drives, heating systems) in the context of house and building installations in accordance with the technical specifications described in the respective product documentation!

The control elements may only be used within the voltage and current ranges defined in the technical data, in conjunction with weinor BiConnect-compatible devices intended for this purpose and in compliance with the applicable safety and installation regulations (e.g. DIN VDE).

All supplied parts and product components must be installed completely and in the correct sequence in accordance with the specifications and instructions.

Any other form of installation and use is considered improper!

Misuse can lead to hazards or damage and is not permitted. Modifications, extensions/conversions may only be carried out with the written authorisation of the manufacturer. Unauthorised modifications to the BiConnect Box will invalidate the warranty.

# 1 weinor BiConnect app and BiConnect box – general functionality



BiConnect box

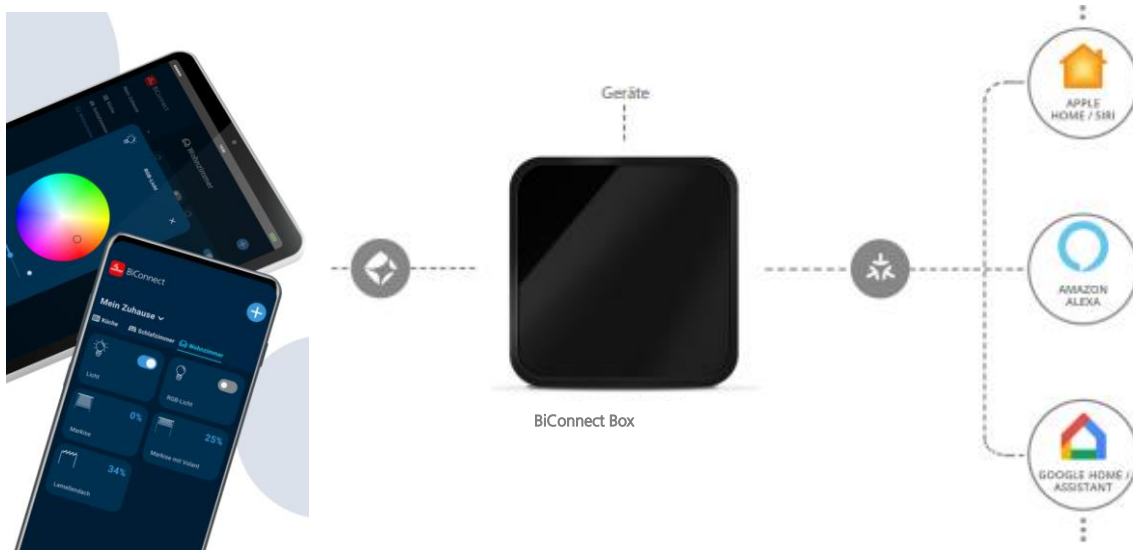
The **weinor BiConnect box** enables the seamless integration of the **weinor BiConnect system** into the Matter ecosystem. By connecting this proprietary system to Matter-enabled devices and networks, it simplifies the creation of a cross-platform home network and future-proof home automation setup.

The **BiConnect app** and the **BiConnect box** form a cohesive duo, with the **BiConnect app** acting as a companion app to the **BiConnect box**. The **BiConnect app** is used to commission the **BiConnect box** as well as to teach-in, control and automate the devices connected to it.

In addition, the devices taught-in to the **BiConnect box** can be connected to Matter via Bridge, without these products having to be Matter-capable themselves. As a result, all these devices can also be integrated into the major international smart home platforms from Apple, Google, Amazon, Samsung, etc., which support Matter, and can be combined seamlessly with many other brands.

For this purpose, the **BiConnect box**, including the connected devices, is simply integrated into the respective ecosystems via Matter with the help of a pairing code generated in the **BiConnect app**.

Of course, multiple **BiConnect boxes** can also be integrated into the **BiConnect app** and imported into the Matter platforms.

**Note:**

Only those device features that meet the current Matter specifications are supported in the Matter ecosystems. This means that features that are available from the manufacturer and via the **BiConnect app** may not be available there.

## 2 Prerequisites weinor BiConnect app

The **weinor BiConnect app** is available for iOS and Android operating systems. The minimum requirements for installation on mobile devices are as follows:

- iOS 11
- Android 7.0 (API Level 24)

## 3 Commissioning of the weinor BiConnect box

To get up and running with the **weinor BiConnect box** with the **weinor BiConnect app**, follow the steps below:

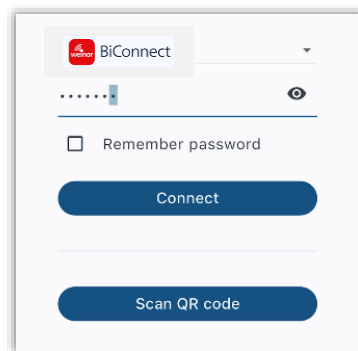
1. Connect your **BiConnect box** to the power supply via the power supply. The LED lights up blue and indicates that the **BiConnect box** is in *pairing mode*.
2. Open the **BiConnect app**, click on *Start* and accept the End User Agreements.
3. Add a new bridge

4. Scan the QR code on the bottom of the bridge.



5. Select your Wifi network from the list and enter its network password. It's recommended to tick "Remember password".

light mode



During the connection process, the **BiConnect box** LED will change to orange and finally to green after successful connection. Now the Matter Bridge is connected to your Wi-Fi.

6. Now go to the home screen of the app.

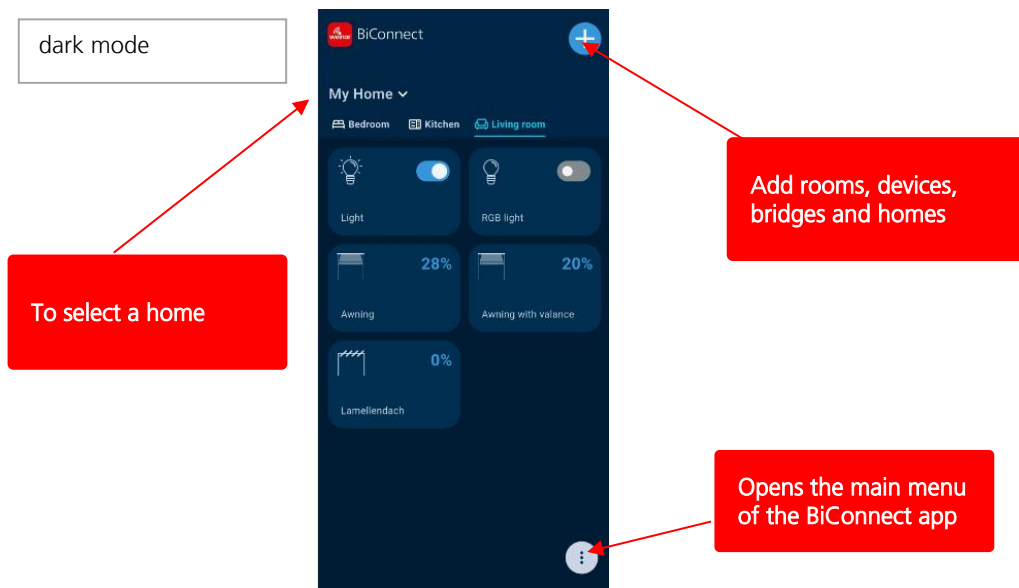
## 4 Homescreen

The home screen is the home page of the app and the starting point for all control and configuration.

From the home screen, you can control all your connected devices and view their status, as well as open the detailed control of a device. The devices are sorted by rooms, which you can navigate through in the room bar. Under *Often used*, you'll find your most recently controlled devices.

However, you can not only access your devices from the home screen, but also all menus and functions of the app in one place.

Use the plus icon in the top right corner to *add rooms, devices, bridges* or *homes*.



Any warning messages are indicated by a red triangle at the top next to the plus symbol. Click on it to see the messages.

## 5 My Home

At the beginning, *My Home* is the default Home, which you can of course rename. But you can also manage multiple *homes*.

### 5.1 Creating a Home/ Multiple Homes

For example, if you have a **BiConnect box** for your primary residence, you can use the app to operate and manage this home with rooms and devices. By creating a second home, you can also store and manage your holiday home in the same app. By managing your devices in separate homes, your devices are always clearly organized.

The plus symbol in the upper right corner can be used to create a new home. Afterwards, the corresponding bridge can be added, also via the plus symbol.



#### **Note:**

If you add a home that doesn't have an assigned **BiConnect box**, that home will be automatically removed the next time you restart the app



## 5.2 Edit at home

To edit the home, open the main menu, select *Home* and click on your home. Now you can edit the name.

## 5.3 Delete your home

To delete the home, you'll need to remove the connected bridge from the app. To do this, open the main menu, select *Home* and click on your bridge. There you can delete Bridge and Home using the *Remove Bridge* button.

# 6 Rooms

In any home, the devices are organized in rooms. This means that devices must ALWAYS be assigned to a room. Therefore, at least one room must be created BEFORE the device is integrated.

## 6.1 Creating rooms

By default, there is no room at the beginning, but only the *Often Used* category (clock icon).

So first please create at least one room using the plus symbol in the upper right corner.

You will then see your rooms in the room list on the home screen.

## 6.2 Renaming or deleting rooms

To delete a room, open the main menu. Select *Home* and click on the room.

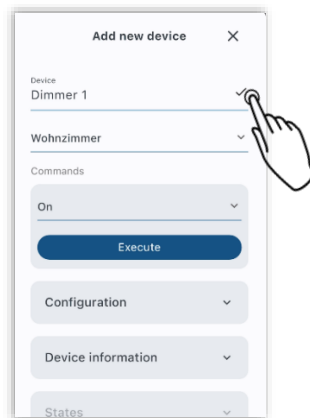
Now you can rename the room and save or delete it.

# 7 Add and control devices

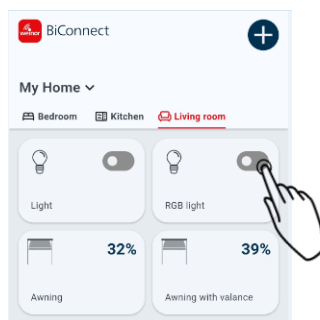
Once you've created a room, you can now add devices using the plus icon in the top right.

Then put the device in teach-in mode. Now click on *Next* to teach the device to the **BiConnect box** and integrate it into the **BiConnect app**.

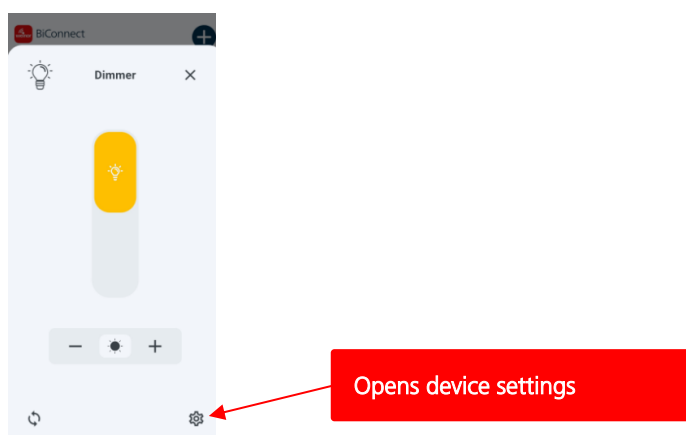
If the teach-in process was successful, the settings menu of the device opens. Among other things, you can change the default device name or view available status and device information. To finish teach-in the device, click on the checkmark behind the device name and close the device settings.



Now the connected device appears as a tile on the home screen of the app in the respective room. Here you can check the current status and directly execute simple switching commands.



If you click on the tile of the device, the detailed view of the device opens, where you can use all the built-in commands and all built-in states will be displayed.



## 7.1 Device

Swipe up or click on the gear icon to open the device's settings. Here you can change the device name or the room assignment. Commands, status and device informations are available here, as well as possibly adjustable configuration parameters (such as runtime for roller shutters).

### 7.1.1 Direct Runtime Settings

For drive control systems, it is necessary to configure the runtime settings. Therefore enter and save the measured time in milliseconds here (for runtime up → The time taken from bottom to top | for runtime down → The time taken from top to bottom). Without these settings, the position of the devices cannot be calculated, potentially causing issues with both the status indication and the slide function. After setting the runtimes, it is also necessary to allow awnings or similar items to retract completely (for the entire set time) to calibrate them (as a reference run). If the execute reference run option is set to "true," it will always be executed. This is only meaningful if conventional radio remote controls are frequently used to control the devices, to calibrate the position again, as the **BiConnect** radio protocol generally does not provide any feedback of the current device state.

### 7.1.2 Direct Links

If devices support the possibility of direct linking (e.g. HmIP window sensors), the linkable devices (e.g. HmIP thermostats) can be selected via the [Links](#) button.

## 8 Groups

If you want to control several devices of the same device type together, you can create a group for this.

### 8.1 Creating a Group

Open the main menu and select [Groups](#). You can use the [New Group](#) command to start creating a new group.

Now select the device type of your group and enter a name for the group.

You can then select the devices that you want to be part of the group from your devices that match the selected device type for the group. Of course, the assignment can be changed later.

In the [Room](#) drop-down , you can specify whether you want your group to appear in a specific room. If you don't select a room, the group will appear in all rooms that have devices in the group. If you select [Hide group in rooms](#), the groups will only be displayed in the groups section of the main menu.

You can use *Execute* to test the group's functionality before saving.

Finally, click on *Create Group* to create the group.



**Note:**

You can't save a group without a device.

## 8.2 Controlling the group

You'll find the group in the assigned room as a device tile (except you've selected *hide group in rooms*).

By using the controls, you can now control all devices in the group together. The state of groups is only displayed when it is set (i.e. during/after operation). Otherwise, however, groups do not have any "group state".

## 8.3 Edit and delete a group

To edit a group, open the main menu, go to *Groups* and select the assigned group and edit the respective parameters. Don't forget to save your changes. The delete button can be used to remove the group.

# 9 Scenes

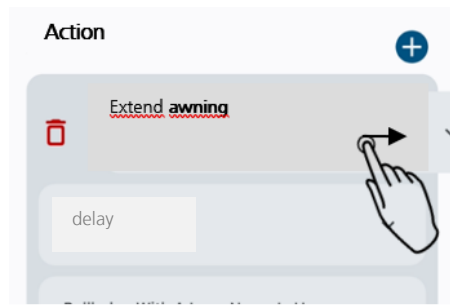
*Scenes* are sequences of different commands for devices or groups that are triggered by pressing a button. The individual commands within the scene are executed one after the other in the order of arrangement in the app. For example, in a "morning routine" scene, you could first extend the awning and switch on the coffee machine in the kitchen via a **BiConnect** plug.

## 9.1 Creating Scenes

You can find *Scenes section* in the main menu. Here you can create your scenes using the *New Scene* button. Start by naming the scene, then click *Add Action*.

Then select the first action of your scene, e.g. the group *awnings*. Now select a command, e.g. *extend*. To add more devices, group actions, or even a delay (i.e., a pause in milliseconds), select *add action*.

You can *delete* an action that has already been added by swiping the action to the right.



You can *duplicate* an action you've already added by swiping the action to the left.



You can change the sequence of actions by holding down the action and then dragging it to a different position.



In the dropdown *room*, you can assign the scene to a room. If you don't select a room, the scene will appear in all rooms which include devices of the scene. If you select *Hide scene in rooms*, the scenes will only be displayed in the *Scenes section* of the main menu.

To save the scene, click *Save*.



**Note:** You can't save a scene with no action.

## 9.2 Controlling Scenes

You'll find the scene in the assigned room as a device tile (except you've selected *hide scene in rooms*).

You can use the Execute button to start the scene.

## 9.3 Edit and delete scenes

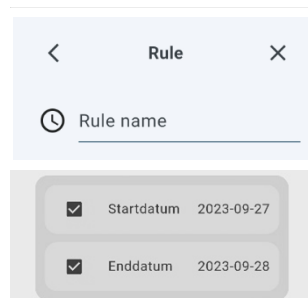
To edit a scene, open the main menu, go to *Scenes*, and select the appropriate scene and edit its parameters. Don't forget to save your changes. The *Delete button* can be used to remove the scene from the bridge.

# 10 Rules

*Rules* are IF-THEN automations. They always consist of at least one triggering event (IF) that must occur to start the automation and a sequence of actions (THEN) that will be executed when the triggering event occurs.

## 10.1 Creating Rules

You can open the *Rules* section via main menu. Here you can create your rules using the *New Rule* command. First, enter the name of the rule and then define the validity period by entering a start date and/or an end date.



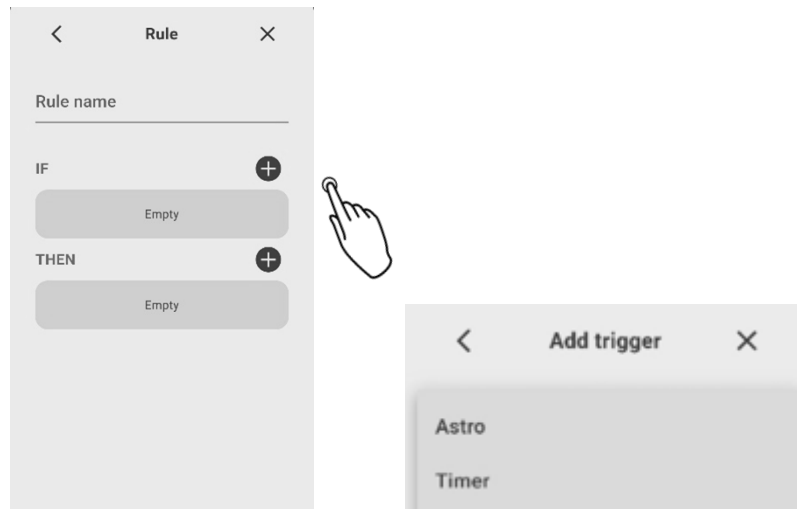
If you remove the check mark for both, the rule is valid without time limitations.

### 10.1.1 IF Block (Trigger)

In the IF block, you can determine the triggers of an automation. Trigger means that as soon as the event in the IF block occurs, the rule and the included actions will be executed.

The following types of triggers are available:

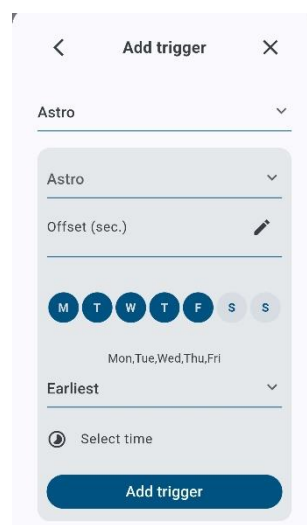
- *astro* (e.g. sunrise or sunset)
- *timer* (time events)



Choose a trigger type and adjust the parameters as needed to determine how to trigger the actions.

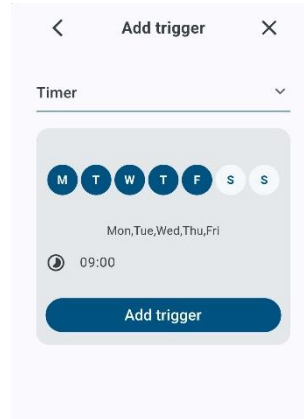
### Astro

Dawn and dusk as well as sunrise and sunset can be selected as triggers. In addition, a time offset (e.g. 10 minutes after sunrise) can be set for the respective selection and a time limit can be set (e.g. at 9 a.m. at the earliest).



## Timer

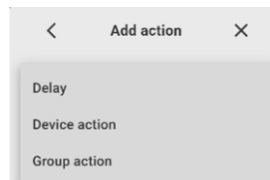
You can set a specific time on defined days of the week as the trigger.



### 10.1.2 THEN Block (Action)

You can set multiple actions in the THEN block, that will be executed as soon as an IF trigger occurs.

As an action you can choose between *device* and *group actions as* well as *delays* (pauses in milliseconds).

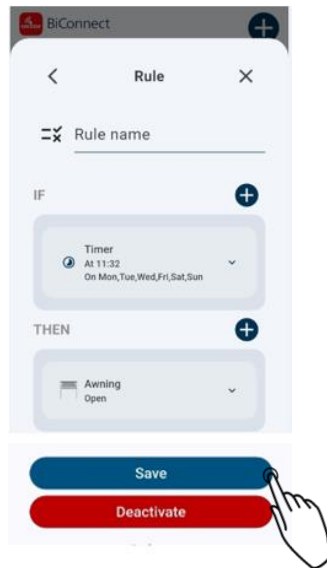


Any number of actions can be added to the rule, which will always be performed one after the other (in order from top to bottom) when triggered. The order can be changed by dragging the respective actions to a different position.

You can delete an action by swiping it to the right. You can duplicate an action by swiping it to the left.

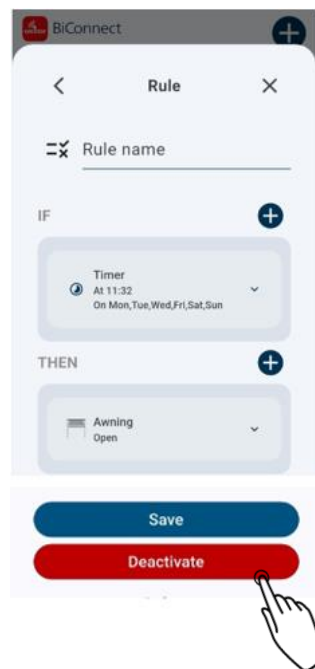
Once you've made all the settings, save the rule by using the *Save* button.





## 10.2 Disable rules

When a rule is saved, it is always active. If you want to deactivate the rule for a certain period of time so that you can reactivate it later, you can do so in the opened rule by using the [Deactivate](#) button.



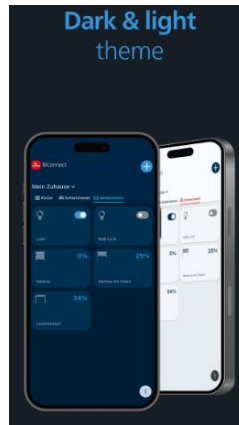
If the rule is disabled, the function of the button changes to [Activate](#). You can use this [Activate](#) button to reactivate the rule.

## 10.3 Edit and delete rules

To edit a rule, open the main menu, go to [Rules](#), select the rule and edit the parameters. Don't forget to save your changes. The [Delete](#) button can be used to remove the rule from the bridge.

## 11 Change your app theme

If you want to switch between a light and a dark app theme go to *main menu* → *settings* → *system*.

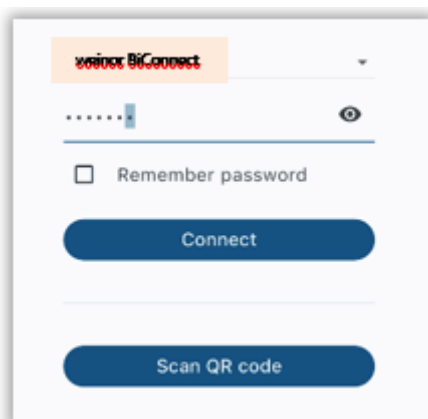


## 12 Integrate more bridges

In the **weinor BiConnect app** it is possible to manage multiple bridges for a home. To do this, first select the *Home*, then click the plus in the top right corner and *Add New Bridge* to add another bridge. Now scan the QR code of the bridge



And then connect it to your Wi-Fi network (as described in more detail in Chapter 3).



## 13 Using the weinor BiConnect box with Multiple Mobile Devices

Using the **weinor BiConnect box** with multiple mobile devices is simple. Once the **BiConnect box** has been initially integrated into the home network, it can be integrated into the **weinor BiConnect app** for other mobile devices that are on the same network. In general, the **BiConnect app** on the mobile device used for the initial setup of the **BiConnect box** has *administrator rights*. This means that all functions (including deleting, making changes to settings & devices, etc.) are available there. Each additional mobile device receives only *user rights* for the **BiConnect box**, allowing control only.

To set up another mobile device with user rights, it is necessary to start the **BiConnect app** on the additional mobile device, select the already created home (which will be found automatically if you are connected to the same network) and add a bridge there. A QR code generated in the **BiConnect app** with admin rights needs to be scanned. To do this, go to the main menu in the *Home section* and click on *Grant Access*. Now a window with a QR code opens, which you scan with the other mobile device under *Add New Bridge* in the **BiConnect app**. Done. The devices to be controlled are automatically discovered and displayed. Repeat this process for each additional mobile device.

### 13.1 Switch from user rights to administrator rights

To switch from user rights to administrator rights on a mobile device, go to the main menu in the *Home section* select the **BiConnect box** and click on *Connect as admin*. After scanning the QR code on the **BiConnect box**, this mobile device will also have full administrator permissions.



**Note:**

Multiple mobile devices can have administrator rights. Please note that in this case, all administrators can make changes to the system, including critical ones.

## 14 Remove BiConnect box from the app

To remove the **BiConnect box** from the app, open the main menu, select *Home* and then select your **BiConnect box**. You can delete the **BiConnect box** from the app via *Remove BiConnect box*.

## 15 Updates

Under *main menu → home → your BiConnect box → Check for updates*, you can check, if there are any updates for your **BiConnect box** available and install them. Usually, you'll also get a notification in the app when a new firmware update is available for your **BiConnect box**.

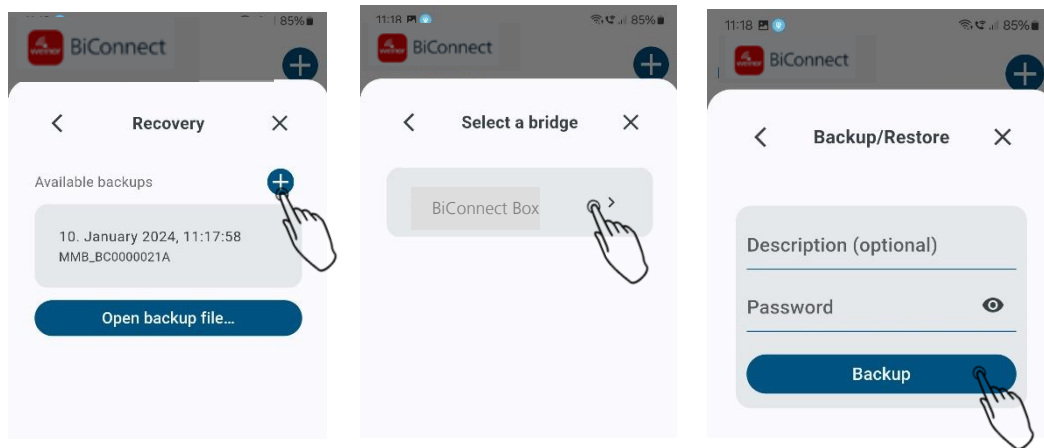
## 16 Network

Under *main menu* → *home* → *your BiConnect box* → *network settings* you can view the network settings of your **weinor BiConnect box**. DHCP is set as the default. If you switch from DHCP to manual, you can adjust the network settings in the menu itself.

## 17 Backup & Restore

### 17.1 Create backup

Under *main menu* → *home* → *recovery* you can create backups. To do that select the **BiConnect box** you want to backup, enter a name and a password and create the backup by tapping the Backup Button.

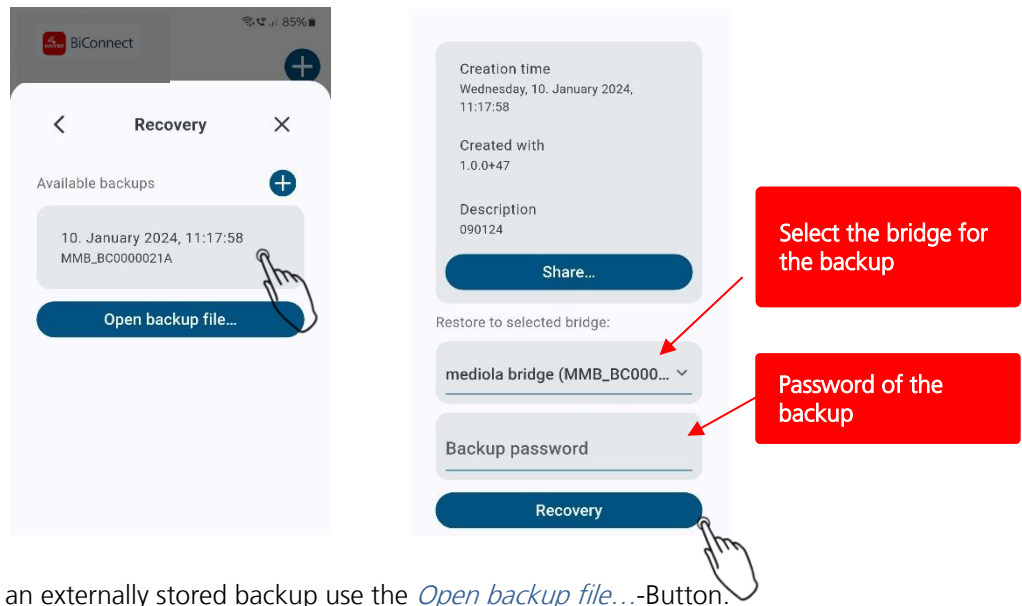


#### Note:

Please note the password with which the backup is protected, as it cannot be reset or otherwise restored. Without knowing the password, a backup cannot be restored.

### 17.2 Install a backup

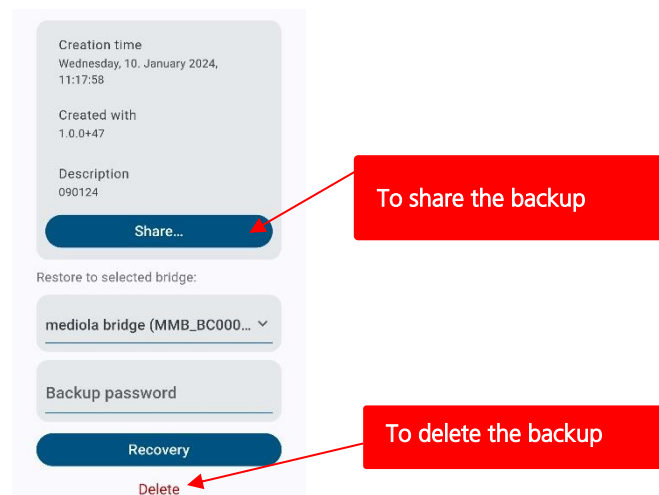
Under *main menu* → *home* → *recovery* all installable backups are listed. To load a backup tap on it, select the desired bridge, enter the password of the backup and finally tap *Recovery*.



If you want to install an externally stored backup use the *Open backup file...*-Button.

### 17.3 Share or delete a Backup

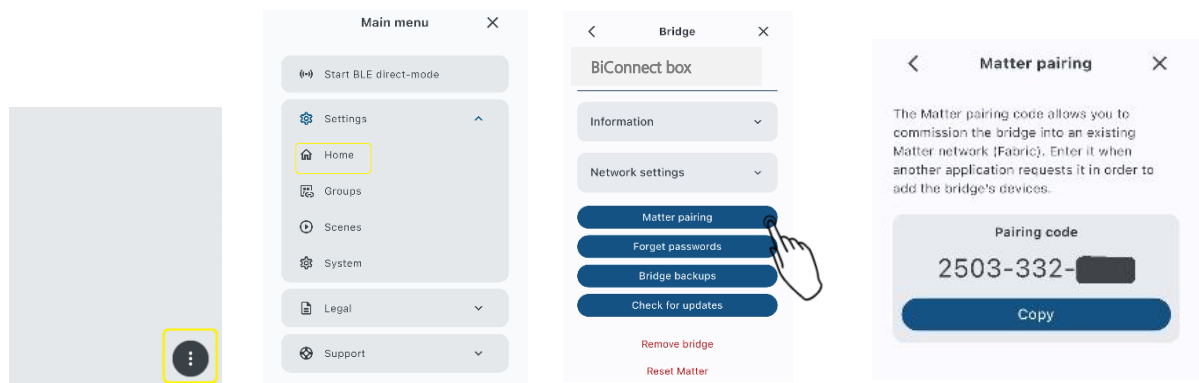
Under *main menu* → *home* → *recovery* you can select an existing backup by tapping on it. To save the backup to an additional location, you can use the *Share* button. To delete the backup, use the *Delete* command.



## 18 Import devices into Matter platforms

Thanks to the **BiConnect box**, you can import your connected devices via Matter into the large smart home systems from Apple, Google, Amazon, Samsung, etc. including their voice controls.

To do this, open the main menu at the bottom right or left of the screen in the **BiConnect app**.



Open the settings and select your *Home*. Click on your mediola Matter Bridge to open the bridge settings. Click on the *Matter Pairing* button to generate a pairing code. Copy your pairing code and open the respective app.

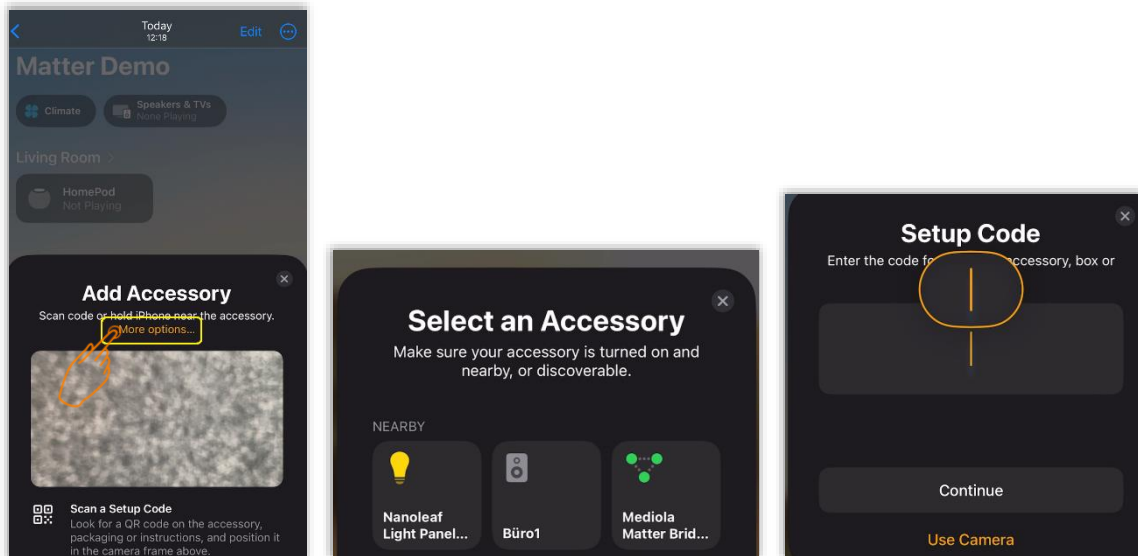


**Note:** If you are using multiple bridges, it is necessary to import each bridge individually into the respective Matter platforms via pairing code.

## 18.1 Import to Apple Home

Prerequisite: A Matter-enabled Apple HomePod

Open Apple's Home app and go to main menu and *main menu* - → *add accessory* → *more options* → *BiConnect box* and enter the pairing code you copied from the connect app.



Now the Home app will ask you to assign the imported devices to rooms. You can also change the device names if you want to.

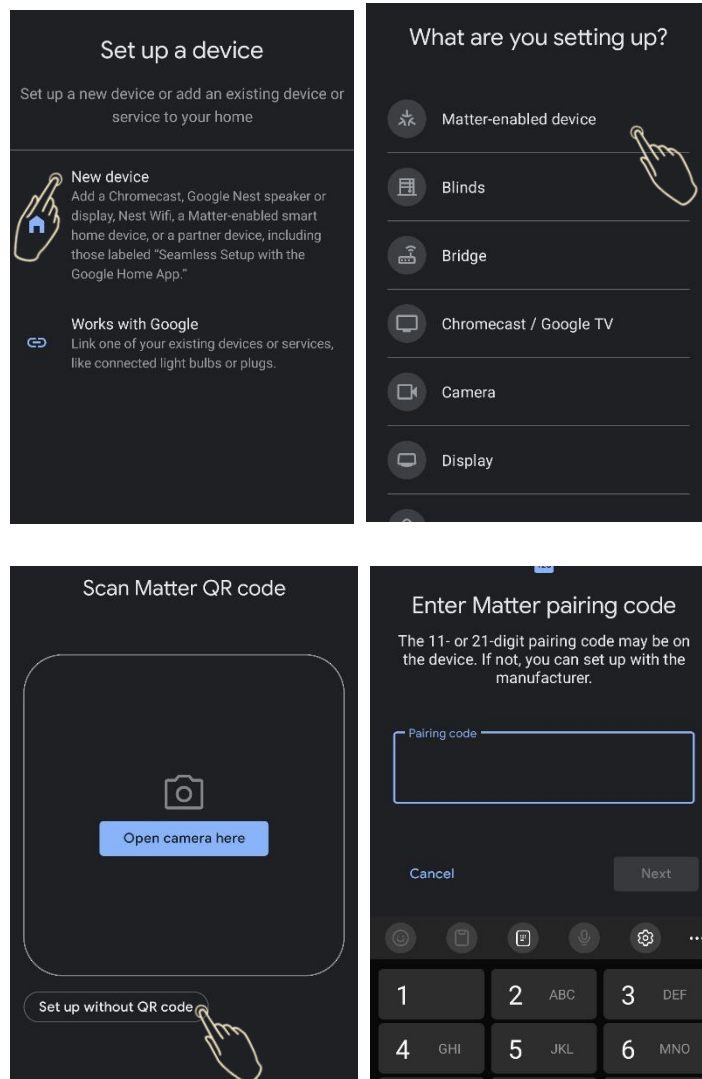
Now you can control your devices with the Apple Home app or Siri.

If you later add new devices to the **BiConnect box**, they will automatically be transferred to the Apple Home app. You don't need to sync. The Home app and **BiConnect box** sync automatically.

## 18.2 Import to Google Home

Requirement: A Matter-enabled Google Hub

Open the Google Home app and go to *main menu* → *add new device* → *Select a home* → *Matter-enabled device* → *set up without a QR code* and enter the pairing code from your connect app.



The devices are now imported. You can also change the room assignment and device name if you want to.

Now you can control your devices with the Google Home app or Google Assistant.

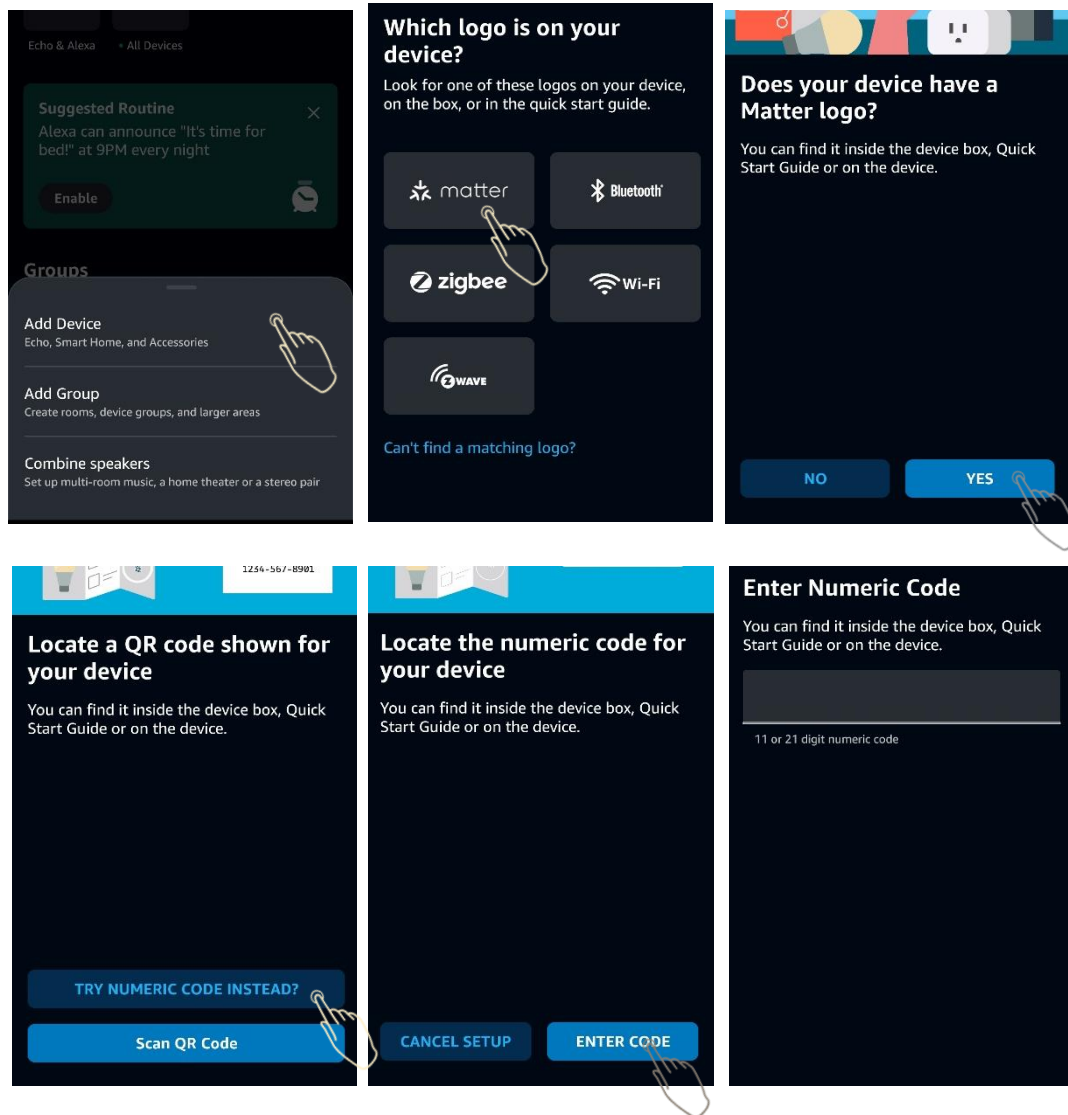
If you later add new devices to the **BiConnect box**, they will automatically be transferred to the Google Home app. You don't need to sync. The Home app and **BiConnect box** sync automatically.



## 18.3 Import to Amazon Alexa

Prerequisite: A Matter-enabled Amazon Echo device

Go to the Alexa app from the main menu *and Add device → Other → device with Matter logo → enter numeric code instead* and enter the pairing code you copied earlier.



The devices are then imported. You can also change the room assignment and device name here if you want to.

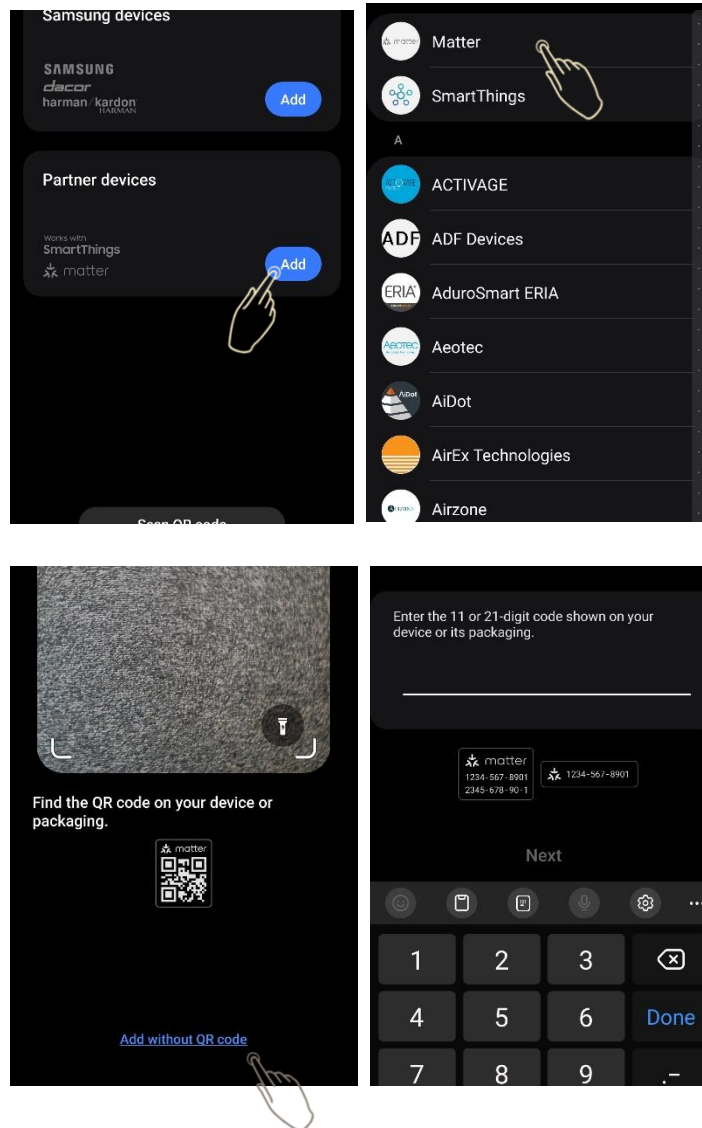
Now you can control your devices with the Alexa app or Alexa voice control.

If you later connect new devices to the **BiConnect box**, they will automatically be transferred to the Alexa app. You don't need to sync. The Alexa app and **BiConnect box** sync automatically.

## 18.4 Import to SmartThings

Requirement: A Matter-enabled SmartThings Hub

Open the SmartThings app and go to main menu and *add a new device* → *partner devices* → *BiConnect box* → *add without a QR code* and enter the pairing code you copied from the connect app.



The devices are then imported. You can also change the room assignment and device name here if you want to.

Now you can control your devices with the SmartThings app.

If you later add new devices to the **BiConnect box**, they will automatically be transferred to the SmartThings app. You don't need to sync. The SmartThings app and the **BiConnect box** sync automatically.

## 18.5 Undo Matter Pairing

To undo the Matter pairing go to *Main Menu → Home → Your Bridge* and use the *Reset Matter* function. Of course, your devices will continue to be connected to the **BiConnect box** and can still be controlled in the **BiConnect app**, only via Matter (e.g. Apple Home) these devices will no longer be accessible.

## 19 Matter Bridge – Modus & Reset

The mode of the bridge is indicated by the colors of the LED on the topside of the bridge:

LED color	Meaning
blue	In Bluetooth LE mode (for initial setup)
orange	Connecting to the network...
green	Connected to the network

To restart the **BiConnect box**, you just need to disconnect it briefly from the power.



To reset, you need to press and hold the reset button on the back of the bridge with a pointed object for an extended period. Release it in one of the following reset modes:

LED color	Meaning
green	Wi-Fi/WLAN credentials will be reset
red	Reset to factory settings

Important: Only if you release the button when the LED is illuminated in the right color the desired reset mode will be executed.

**weinor GmbH & Co. KG**  
Mathias-Brüggen-Straße 110  
50829 Cologne  
Germany  
weinor.com

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