



HÄFELE CONNECT

BLE BOX

With the break-through in LED technology, the integration of lights in any design concept has become a tangible reality. You can obtain the most uniquely designed piece of furniture or the most abstract piece of art, and be sure of the fact that a tiny LED module will find its place in or around it to enhance the overall concept with astute effectiveness. This is possible because the LED technology has limitless possibilities of integrations and connections!

Taking advantage of this flexibility, Häfele has used its experience as the pioneer of furniture lighting and designed a holistic solution for your residences or businesses through its "Häfele Connect" concept. Häfele Connect is the name of the key to smart, networked furniture and rooms. Häfele's internationally successful Loox LED lighting system for light and sound in furniture is the starting point to this where an innovative, intelligent and wireless system connects and operates the lighting of your entire interior space and links it to a smart device - a seamless end-solution that can be easily managed and operated. With Häfele Connect you can now create the perfect atmosphere for many moods and settings in any room of your home or office without moving anything more than a finger on your smart screen.

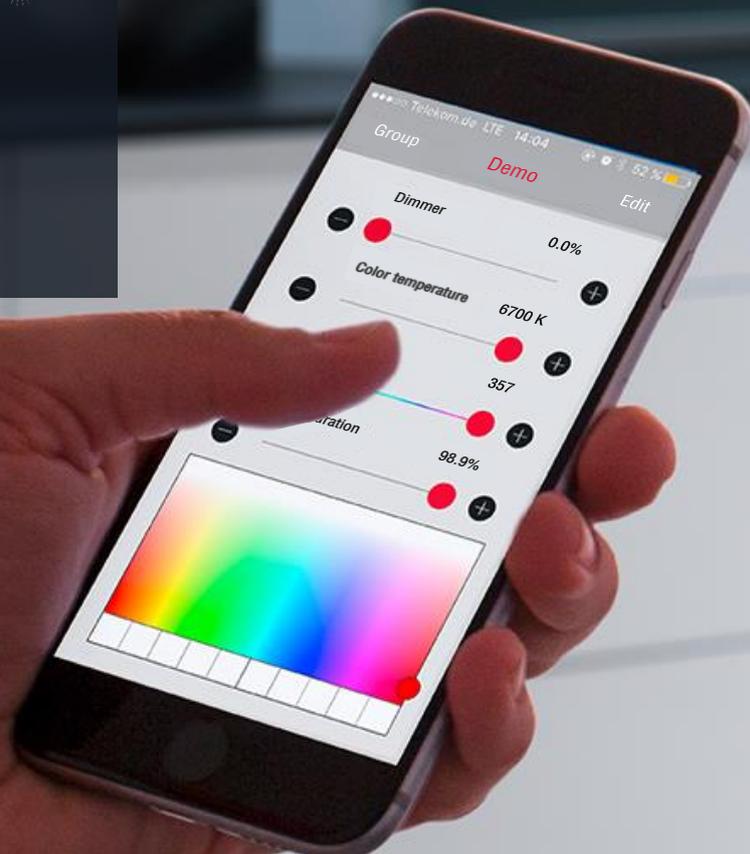
The Häfele Connect app connects itself to the Connect BLE boxes via Bluetooth. It provides a comprehensive range of control options, including control of the light colour with RGB lights or adjustment of the colour temperature with multi white lights. Different lights can be grouped together, allowing many scenarios to be stored and time-controlled or called up with a simple finger press. Thanks to the easy 'Plug and Play', this system can also be added to existing installations without changing anything.



The **Häfele Connect BLE Box** (Bluetooth Low Energy Technology – the power conserving variant of Bluetooth designed for use by Internet-connected machines and appliances) makes it possible to intuitively control **Loox Furniture Lighting** and electrically operated fittings using the Häfele Connect App.

A Loox 12 V or 24 V driver supplies the BLE box via two leads. A single BLE Box or an entire network of BLE boxes can be intuitively controlled via a Smartphone or tablet.

With the app and Häfele's BLE box in place, users can control individual Loox lights (on/off, the brightness, the colour temperature with multi white lights and the light colour with RGB lights).



FUNCTIONALITY

The following situations can be intuitively and easily controlled with the Häfele Connect App:

Switching on and off the light fixtures



Regulating the brightness of the lights (dimming) from 0% to 100% and vice versa



Adjusting the colour temperature of the multi-white lights [2700 (warm white) to 5000 (cool white)]



Operating Häfele enabled lights remotely from outside the network range



Changing and selecting the desired light colour of the RGB lights



Setting time-controlled alterations of brightness, colour temperature and colour of the light



Pre-setting individual light scenarios for different occasions

Note: The Häfele Connect App is free for Apple IOS® and Android™. Learn more about its functionality on the next page

FUNCTIONALITY

ALL THAT CAN BE DONE WITH HÄFELE'S LIGHTING FITTINGS, BLE BOX & THE HÄFELE CONNECT MOBILE APP



Network Sharing: When all the lights / devices are first taken into use, via the BLE Boxes, the Häfele Connect App automatically creates a network. The automatically created network is always a 'Not shared' network which means that the network is only stored in the mobile device that has created it and is not shared with other mobile devices. In total, there are four different sharing modes: Not Shared, Administrator Only, Password Protected and Open. When you select 'Administrator Only', 'Password Protected' or 'Open' mode, the network will be uploaded to the cloud server and can then be accessed from other mobile devices as well.



Gesture Control: Setting the exact lighting environment of your home interiors is now just a tap away. The Häfele Connect Application allows you to control the lighting with four basic gestures:



Tap on the Device / Light Icon to turn it on or off



Pan the Light Icon left or right to adjust light the intensity of the luminaire



Pan the Light Icon up or down to adjust the colour temperature of the luminaire



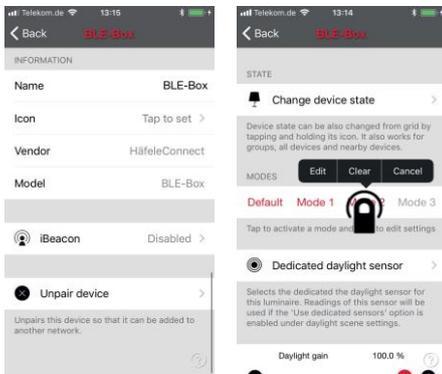
Hold on top of the Light Icon to change the light colour or other general settings.



Grouping: With the Häfele Connect App, you can create a group of devices / lights which can all be controlled simultaneously with the four basic gestures. For example you can create a group consisting of all the devices / lights installed in your bedroom. You can switch all of them on /off or control their brightness with just a gesture move. The app also gives you the option of controlling a particular light included in a group individually.

FUNCTIONALITY

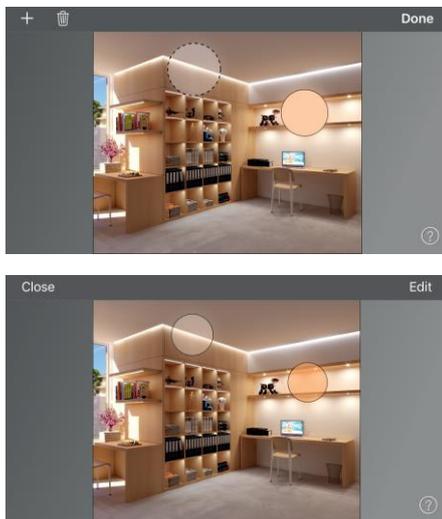
ALL THAT CAN BE DONE WITH HÄFELE'S LIGHTING FITTINGS, BLE BOX & THE HÄFELE CONNECT MOBILE APP



Device Control: The Häfele Connect App allows you to edit controls (like brightness level, colour and colour temperature) for an individual device / light. You can change the name as well as the device icon. It also allows you the option of choosing images from your gallery for the icon.

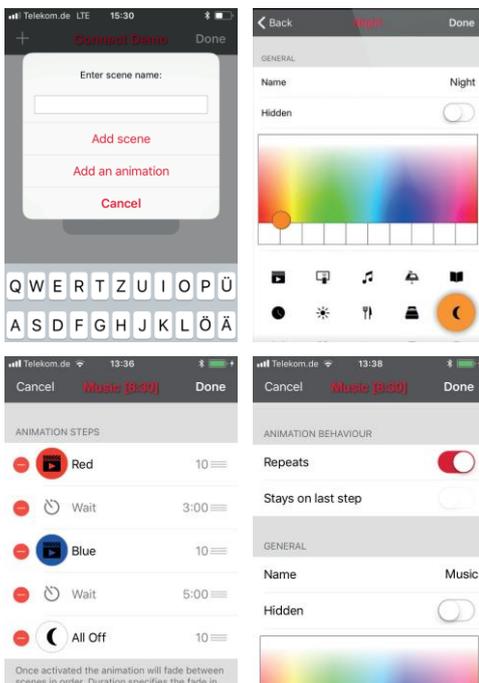
If you have some favourite light settings, a combination of dimming levels, colour and colour temperature, the app enables you to save these settings as modes so that your preferred ambience is just a click away.

You can even decide at what light setting do you want the lights to switch on. If you select the Default Mode option, the default light settings will be activated and if the Last State option is selected, the light will go to the same dimming level and colour as it was when it was switched off.



Intuitive Personalisation (Gallery Tab Control): Upload pictures of the various interior spaces which have been installed with Häfele Devices / Lights and experience the most intuitive way of controlling your devices. Once you have uploaded a picture, you can insert the circular icons of the devices present in that picture, drag them to the positions where they are actually installed and resize the icons as per your requirement. So the next time you want to switch on the strip lights bordering your living room's false ceiling, all you need to do is open the living room picture under the gallery tab of your Häfele Connect App and tap on the device icon placed on the false ceiling.

Use the four basic gestures to control individual devices in the picture. You can control all the devices present in a particular picture together by doing any of the four basic gestures anywhere on the picture outside the circular device control icons.

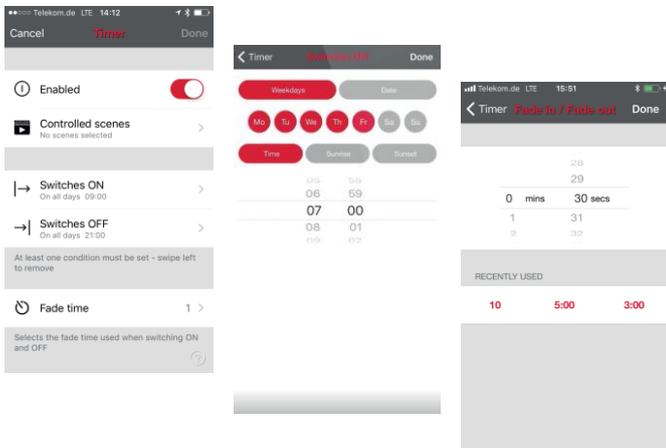


Scenes and Animations: You can create different lighting situations for different occasions. For example you can set up a scene named 'Night' and can include all the devices installed in the bedroom, adjust their brightness to low and change the colour temperature to warm white so as to create a cosy setting. Alternatively a scene named 'Day' can be created for the same room and light fittings with cool white light colour and 80% brightness for all the devices.

It is possible to control multiple devices with one tap to create perfect ambiances for different occasions and needs with the Häfele Connect App. It is also possible to create animations between two or more scenes. In this mode, the scenes selected can be faded into one another to create a dynamic effect that can also be set on loop. For example, for a party at your house, you can create an animation named 'Party' and can turn down the brightness of all light fittings in your living room to 0% except the RGB strip lights installed around the ceiling which can be adjusted to change its colour 5 times after an interval of 3 minutes and can then be set to repeat this effect on loop till desired.

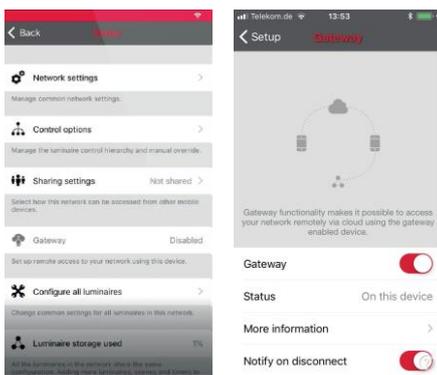
FUNCTIONALITY

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Timer Control: With the timer function option provided in the Häfele Connect App, you can create a list of timers that will turn scenes or animations on and off based on time. You can create a timer for a scene that will turn on immediately at the wake up time you set or set the living room lights to automatically switch on in the evening and switch off late at night.

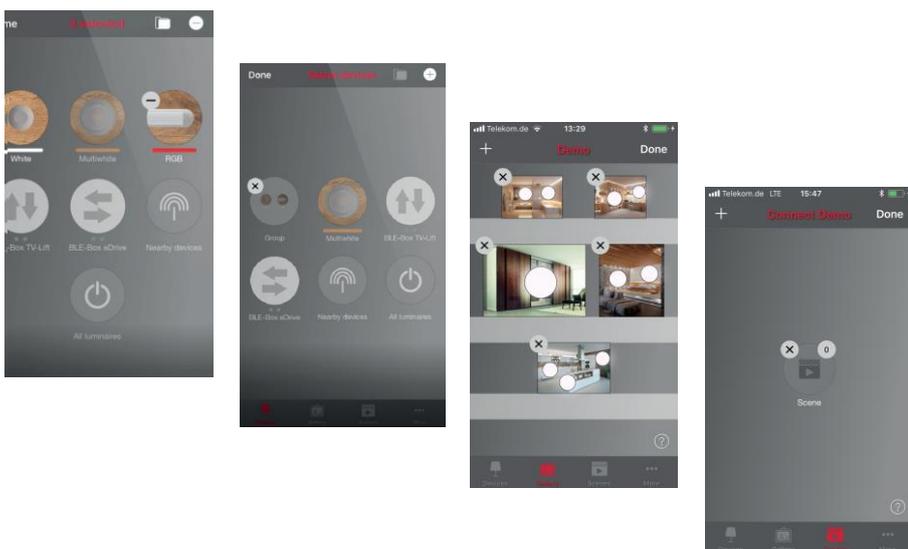
It is also possible to set a Fade time for the scenes. This means that when the scene is set to turn on, via the timer function, the lights will slowly reach the light level defined in the scene. This means that if you set the scene to come on at 14:05 and you set a fader for 30 seconds then the scene will be fully on at 14:05:30. The scene can also be faded out using the same concept.



Remote Access: Häfele enabled Loox lighting can be controlled remotely through the Häfele Connect App. This means that you can manage all the operations and features mentioned above from your smartphone even if you are away from home / office and hence not within the network range.

All that is required for this arrangement to work is a spare smartphone that needs to be placed within the network range and should have an active internet connection as well as a reliable Bluetooth connection to atleast one Häfele unit in the network.

Next time when you forget to switch off your room lights in a hurry to reach office, you need not worry. Just log-into the Häfele Connect App as you normally would and switch off the lights.



Flexibility: The Häfele Connect App provides you with extreme flexibility, be it a network, a group, a scene or a gallery image embedded with device control icons, you can easily add or remove a light fitting. This inherent feature of the application overcomes the challenges of hardwiring, where traditionally the wiring and set-up of lights has to change to bring about changes in lighting.

For example, if from a scene named 'Night' (Refer to the section on 'Scenes & Animations'), you want to include a light fitting placed near the vanity area, you can easily do so without the need for additional wiring or connections.

Note: The Häfele Connect App is free for Apple IOS® and Android™

PRODUCT SPECIFICATIONS

BLE BOX

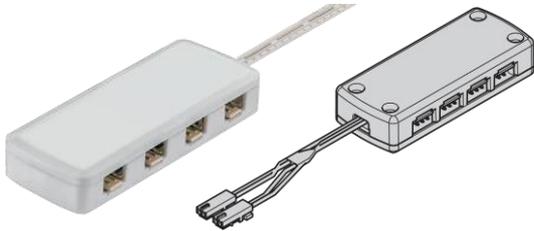


Article number	4 Channel BLE Box	
	12 V 850.00.005	24 V 850.00.006
Version	For on/off switching and dimming of lights (0–100%). Please order the BLE adapter separately for operating RGB lights or multi white lights, details provided on the next page.	
Number of connections	4	4
Dimensions (L x W x H)	100 x 57 x 17 mm	100 x 57 x 17 mm
Output current	Single unit output: max. 30 W Total output for all units: max. 60 W	Single unit output: max. 60 W Total output for all units: max. 90 W
Stand-by power consumption	<0.5 W	<0.6 W
Additional information	<ul style="list-style-type: none"> • One BLE box occupies 2 outputs of the driver • The distance between the Smartphone or tablet to the nearest BLE box should maximum be in the range of 10 m • Multiple BLE boxes create a network, and can also be placed max. 10 m apart 	
Supplied with	<ul style="list-style-type: none"> • 1 x BLE Box • 1 x 300 mm Lead 	

IMPORTANT INFORMATION

BLE ADAPTERS FOR MULTI-WHITE AND RGB LIGHTS

Adaptor for Multi-white Lights



Art. No.	Output Slots	Application
850.00.011	8	12 V System
850.00.012	8	24 V System



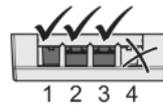
The Multi-white Adaptor occupies connections 1 and 2 of the BLE Box

Note: Connections 3 & 4 on the BLE Box cannot be used for any other light or adaptor.

Adaptor for RGB Lights



Art. No.	Output Slots	Application
850.00.013	4	12 V System



The RGB Adaptor occupies connections 1, 2 and 3 of the BLE Box

Note: Connection 4 on the BLE Box cannot be used for any other light or adaptor.

ORDERING INFORMATION

Article Number	Details	System
850.00.005	Häfele Connect BLE Box, 4 Channel	12 V
850.00.006	Häfele Connect BLE Box, 4 Channel	24 V
850.00.011	BLE Adaptor for Multi-white Lights	12 V
850.00.012	BLE Adaptor for Multi-white Lights	24 V
850.00.013	BLE Adaptor for RGB Lights	12 V

**5 YEARS
GUARANTEE***



RoHS



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