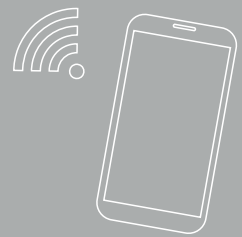
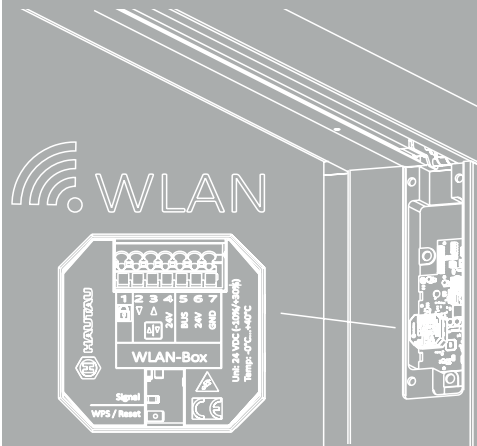
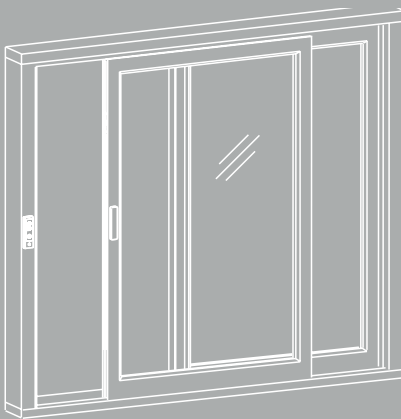


# Move HS Comfort Drive

LIFT AND SLIDE FITTINGS/WINDOW AUTOMATION



## MANUAL

Indoor operation with smartphone,  
Move HS Comfort Drive, 24 V DC  
wood/wood-aluminium/PVC,  
Scheme A/C

Used exclusively for specialist companies.

**Copy of the original instructions**

## Contents

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Important safety instructions	3
Warranty	5
Disposal	5
Other applicable documents	5
Intended use for the WiFi Box/ConfigTool app	6
Features	6
Overview of WiFi Box	7
Installation of the WiFi Box	7
Circuit diagram for WiFi Box	8
Set up software	8
Establishing the connection between a smartphone and the WiFi Box	9
Setting up Move HS Comfort Drive for the HAUTAU ConfigTool app	10
Operating Move HS Comfort Drive using a smartphone	11
Changing the WiFi Box password	11
Changing the WiFi Box name	13
WiFi Box optical signals and button functions	14
Customised use of the Wi-Fi Box	14
Technical data for the Wi-Fi Box	15

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## Important safety instructions

### General information



#### **WARNING**

It is important to observe the following instructions to ensure safety for everyone. Incorrect installation may lead to **serious injury or even death**.

#### **Manufacturer's declaration/technical standard**

The accessories contained in this document have been tested and manufactured in line with the applicable European directives. The applicable declaration of incorporation for the Move HS Comfort Drive is available for inspection. You may only operate the devices if there is a declaration of conformity for the overall system. The actuator and its accessories meet the latest technical standards. This refers to performance, materials, mode of operation and safe operation.

#### **Personnel**

Only a **qualified electrician** (certified to DIN VDE 1000-10, for example) may connect the system to the mains. The actuator must be installed, serviced and repaired by personnel trained to current standards and based on the recognised code of practice.

**Also observe the important safety instructions in the manual for the Move HS Comfort Drive.**

### WiFi Box



#### **Life-threatening hazard posed by electric shock.**

The WiFi Box is suitable for actuating 230 V products with a HAUTAU bus interface. There is a risk of fatal injury from touching live parts.

During maintenance work on systems with 230 V, disconnect them completely from the power supply using a cut-off device and ensure they cannot be unintentionally switched back on. The cut-off device must be clearly labelled.



#### **Risk of crushing and pinching**

Secure crushing and shearing points between window sashes and frames, light domes, and upstands up to a height of 2.5 m with devices that halt movement when touched or interrupted by a person.



## Important safety instructions (contd.)

### ConfigTool app

#### Safety instructions

You must observe the safety instructions for the corresponding device families. See the relevant installation instructions at [www.hautau.de/en/](http://www.hautau.de/en/)

#### Connection and installation conditions

Before you put the device into operation, take into account the connection and installation conditions in the manual for the device series concerned.

#### Operation

The software is designed for remote control of actuators among other things. Do not reach into the window rebate and the active actuator during operation. There is a risk of **crushing** and **pinching**.

#### Intended use

The devices and the HAUTAU app must be used for their intended use only. HAUTAU assumes no liability for any injuries or damage to property if there is failure to comply with this requirement.

#### Manual

Read and observe the information in this manual and follow instructions in the specified order. You must store this manual away ready for use/maintenance at a later stage.

#### Maintenance work

The power supply to the device must be disconnected at all poles when cleaning or performing other maintenance work.

#### Warranty

HAUTAU assumes no liability for any damages caused by the installation and use of the software. Always use the most recent version to use all the software's functions and ensure maximum safety. No support is provided and no liability is assumed for older versions. After initial operation, the factory access codes for the WiFi Box and the LAN module must be changed to a more secure, customised password, using upper and lower case letters with numbers and special characters, for example. A Wi-Fi network should only be used with password protection. Liability is generally not assumed for damages and manipulation due to integration in open networks and/or use without passwords, or use of weak passwords.

## Warranty

HAUTAU's General Terms and Conditions of Business apply to the accessories (online: [www.hautau.de/en/](http://www.hautau.de/en/)).

## Disposal



The crossed-out wheeled bin symbol indicates that you must not dispose of this electrical appliance or electronic device in the household waste at the end of its service life.

You can return it to free collection points for old electrical appliances in your area or to other centres where they accept old appliances for recycling.

Contact your local council for addresses of collection points and centres. If the electrical appliance or electronic device contains personal data, you yourself are responsible for erasing data before you return it.

You will find more information online at [www.weeeologic.com](http://www.weeeologic.com) or other websites on the WEEE Directive.

## Other applicable documents

This document comprises additional instructions for the following manuals:

- Installation instructions for Move HS Comfort Drive, 24 V DC, wood/wood-aluminium, concealed, Scheme A
- Installation instructions for Move HS Comfort Drive, 24 V DC, wood/wood-aluminium, concealed, Scheme C
- Installation instructions for Move HS Comfort Drive, 24 V DC, wood/wood-aluminium/PVC, surface-mounted, Scheme A
- Installation instructions for Move HS Comfort Drive, 24 V DC, wood/wood-aluminium/PVC, surface-mounted, Scheme C
- Installation instructions for Move HS Comfort Drive, 24 V DC, indoor operation with control button

## Explanation of terms

This manual describes a left-hand version (a sash opening to the right) as an example. Any specifications for a right-hand configuration (a sash opening to the left) and for Schema C must be adapted accordingly.

Measurements in mm. Diagrams without a scale are **not** necessarily to scale.

## Intended use for the WiFi Box/ConfigTool app

If you wish to use a smartphone to control a Move HS Comfort Drive (lift and) slide system, the WiFi Box must be connected to the circuit board of the actuator concerned as shown in the circuit diagram. The WiFi Box is used to control products wirelessly with a HAUTAU bus interface using a WLAN radio signal. The system is controlled by mobile devices using a direct link to the WiFi Box. The optional HAUTAU ConfigTool is required to control and configure the products.

The (lift and) slide system must be calibrated and functional as specified in the installation instructions for Scheme A or C. It must also be equipped with a control keypad or control button. It is not permitted to use the components and software for any purpose other than for anything other than an actuator an actuator.

## Features

- › For installation in a flush box or next to the circuit board on the Move HS Comfort Drive
- › Power is supplied via the HAUTAU bus
- › Control and configuration of the Move HS Comfort Drive using a smartphone/wireless local area network) with the following operating systems:
  - Android (Google Play Store)
  - Apple iOS (Apple App Store)
  - Windows (Windows Phone Apps in Microsoft Store)
- › Secure data exchange using WPA encryption (Wi-Fi protected access)
- › Log-in to routers supplied by client via WPS (Wi-Fi protected setup)
- › Optical signal for feedback signals for operation and configuration



### IMPORTANT NOTE:

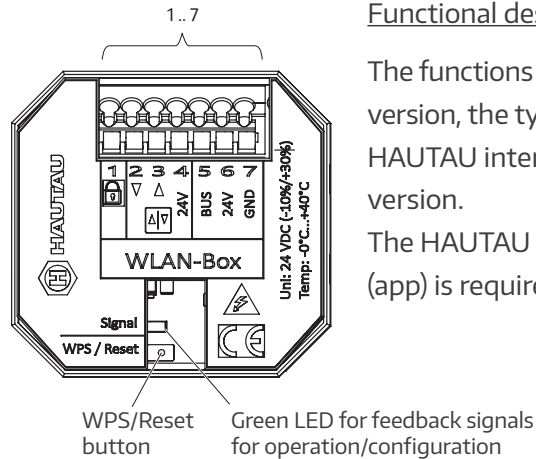
**A factory reset and software reset of the Move HS Comfort Drive are not possible with a smartphone. Such resets can only be performed with the standard control keypad or a control button/button box.**

## Overview of WiFi Box

Connection for ...

- 1 - Locking device \*
- 2 - Comfort keypad CLOSE \*
- 3 - Comfort keypad OPEN \*
- 4 - Output 24 V DC\*
- 5 - HAUTAU bus
- 6 - Output 24 V DC (operating voltage)
- 7 - GND (operating voltage)

\*) Do not use for Move HS Comfort Drive



### Functional description

The functions depend on the WiFi Box firmware version, the type of products used with the HAUTAU interface and the HAUTAU ConfigTool version.

The HAUTAU ConfigTool software application (app) is required to guarantee operation.

## Installation of the WiFi Box

Installation in the frame next to the circuit board on the Move HS Comfort Drive



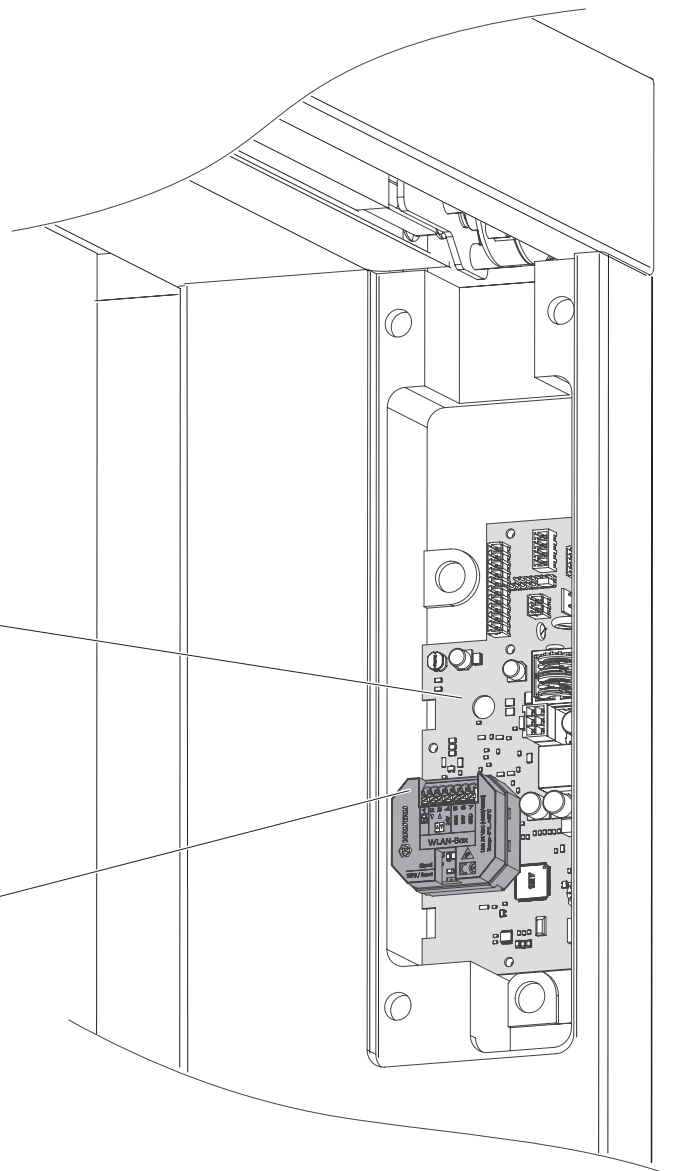
### WARNING

**Disconnect the power supply to the actuator while carrying out connection work.**  
**Failure to do so could result in loss of life due to electric shock.**

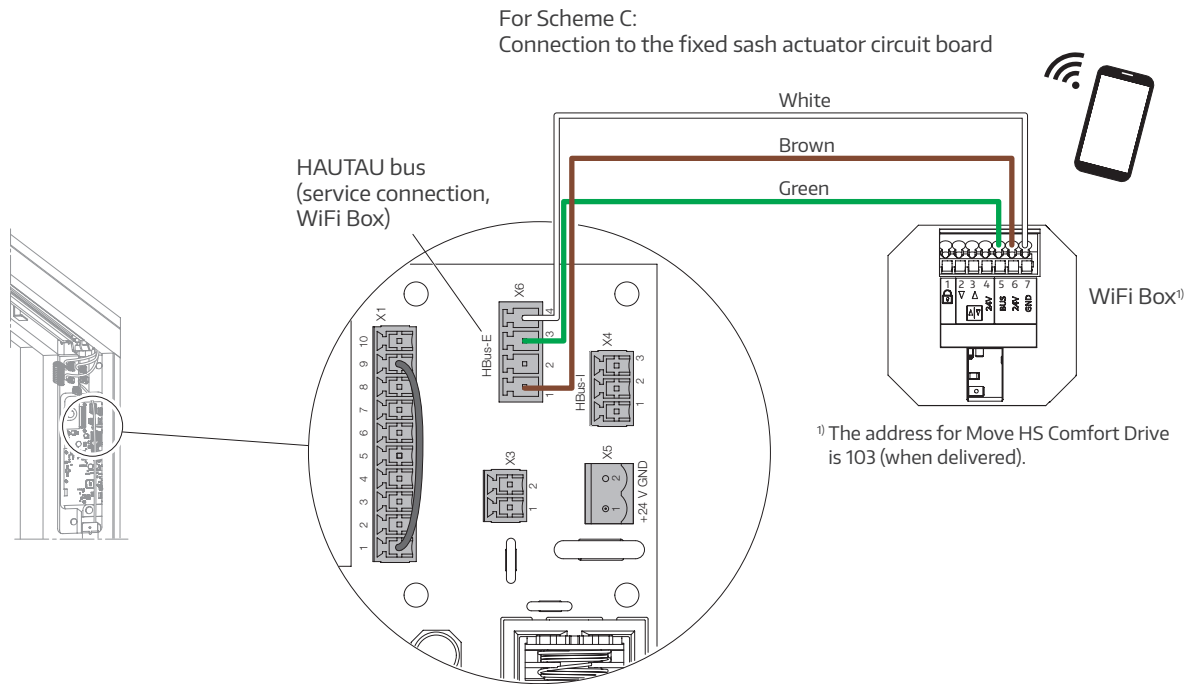
Shown example:  
 Move HS Comfort Drive, concealed;  
 relevant for surface-mounted version

Circuit board

Pre-assembled Move HS Comfort Drive WiFi Box in the lower section of the circuit board cut-out



## Circuit diagram for WiFi Box



## Set up software



Download the free HAUTAU ConfigTool app

... from Google Play Store (Android), Apple App Store (iOS) or Windows Phone Apps Microsoft Store



... or from the HAUTAU website:

<https://www.hautau.de/en/window-automation/smart-building/-/smart-home/service-and-apps>





## Establishing the connection between a smartphone and the WiFi Box



### IMPORTANT NOTE:

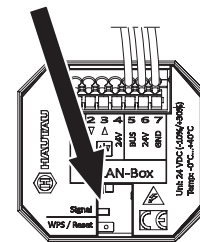
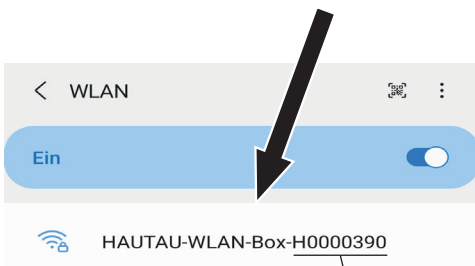
Prior to setting up and activating the WiFi Box with the ConfigTool, ensure the (lift and) slide system is calibrated and functional as per the installation instructions for Scheme A or C. It must also be equipped with a control keypad or control button.

The WiFi Box must be installed ready for operation and connected to 24 V DC power supply (Move HS Comfort Drive). The search for new Wi-Fi networks needs to be enabled on the smartphone.

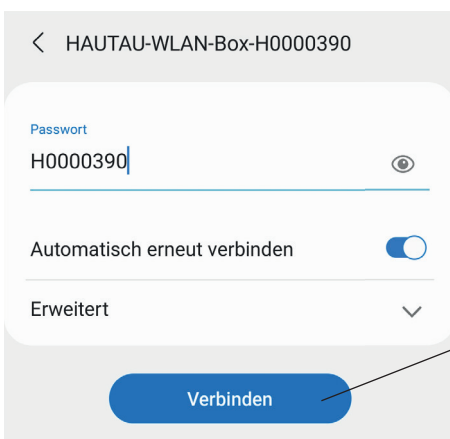
After a time ...

... the WiFi Box is detected with its name ...

And the green LED will flash on the WiFi Box



The WiFi Box name contains the Wi-Fi code for the initial connection, such as "H0000390". After successfully establishing a connection, change the Wi-Fi key using the HAUTAU ConfigTool app.



Press to maintain the Wi-Fi connection

# Setting up Move HS Comfort Drive for the HAUTAU ConfigTool app

**1**  
Launch ConfigTool app

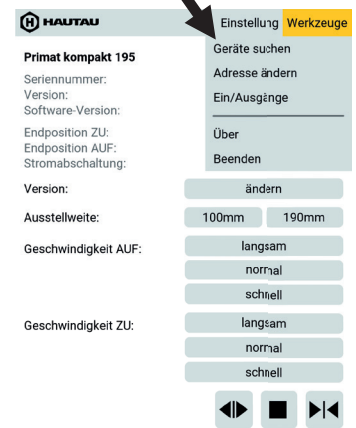


Another actuator may have already been detected

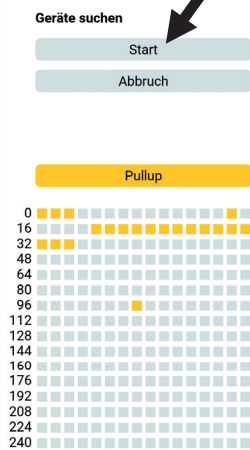
**2**  
Open Tools menu



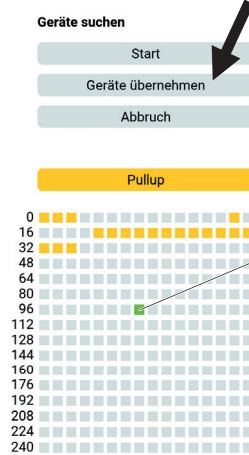
**3**  
Click on Find devices



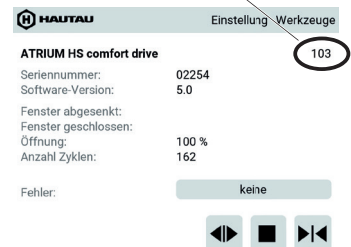
**4**  
Launch device search



**5**  
Accept detected device (Move HS Comfort Drive)



103 = address for Move HS Comfort Drive (when delivered).



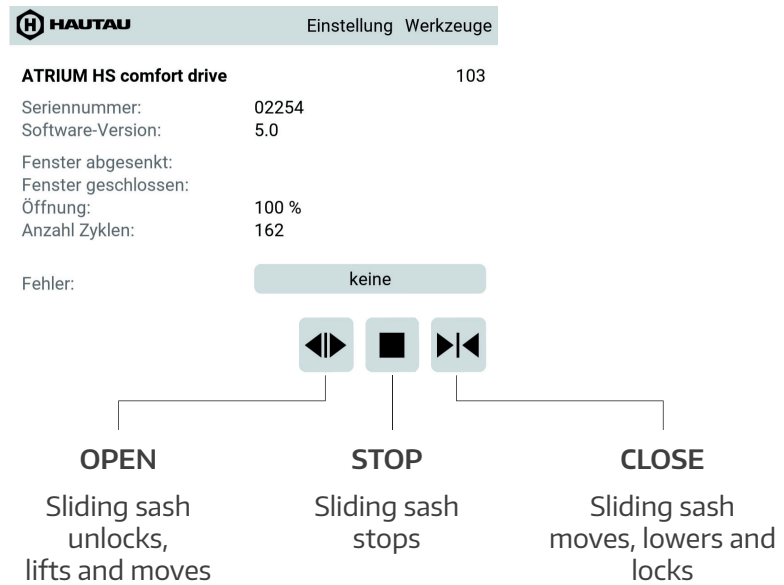
You can now operate the (lift and) slide panel.

## Operating Move HS Comfort Drive using a smartphone

Launch ConfigTool app



Select Move HS Comfort Drive device



The screenshot shows the HAUTAU ConfigTool app interface. At the top, there is a header with the HAUTAU logo and the text 'Einstellung Werkzeuge'. Below this, the device name 'ATRIUM HS comfort drive' is listed with the ID '103'. The following settings are displayed:

- Seriennummer: 02254
- Software-Version: 5.0
- Fenster abgesenkt: Fenster geschlossen: 100 %
- Öffnung: 100 %
- Anzahl Zyklen: 162
- Fehler: keine

Below the settings, there are three control buttons: 'OPEN' (left arrow), 'STOP' (square), and 'CLOSE' (right arrow). Lines connect these buttons to their respective descriptions:

- OPEN**: Sliding sash unlocks, lifts and moves
- STOP**: Sliding sash stops
- CLOSE**: Sliding sash moves, lowers and locks

The sliding sash can be operated in both directions after STOP has been pressed.

## Changing the WiFi Box password



**IMPORTANT NOTE:**

For security reasons, the end user **must** change the WiFi Box password.

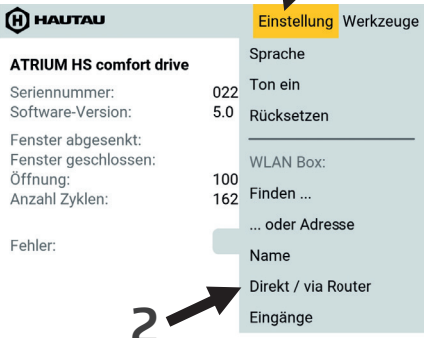


Hacker attacks pose a risk of **burglary** and a **threat to life**.

If the WiFi Box password is not changed, hackers can take control of the (lift and) slide panel. This can lead to unwanted movements of the sliding sash, making it easier to break in and thus resulting not only in potential theft but also posing a risk of injuries and death.


# Changing the WiFi Box password (contd.)

**1** Open Settings menu



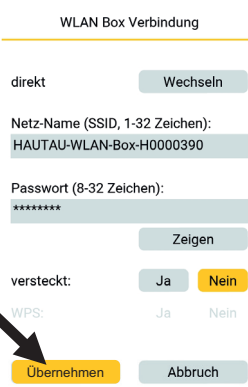
**2** (Arrow pointing to 'Einstellung')

**3** enter new password

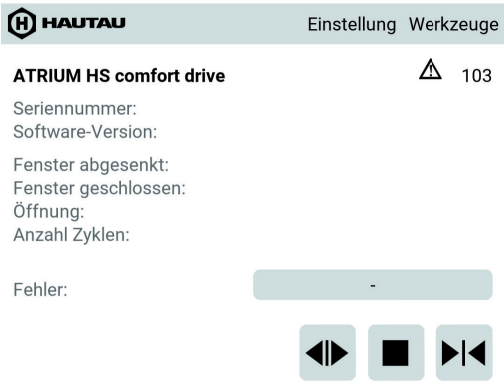


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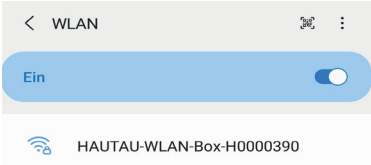
**4** Accept password



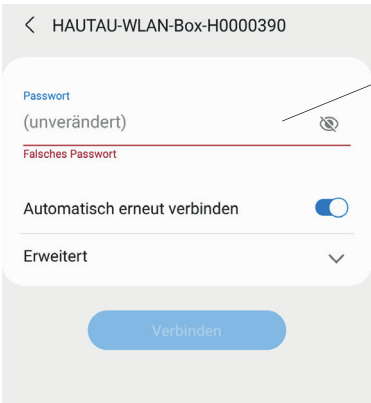
**5** Password has been changed




Connect smartphone to WiFi Box again:



enter new password



Press Connect

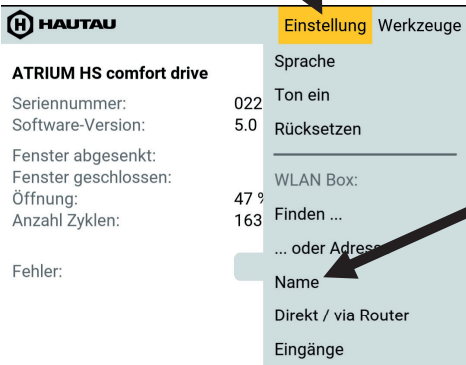


The panel can now be operated

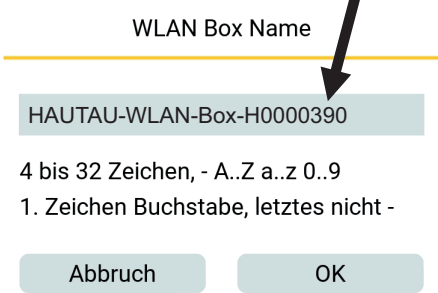
## Changing the WiFi Box name

The WiFi Box name can be customised. However, this is not absolutely necessary.

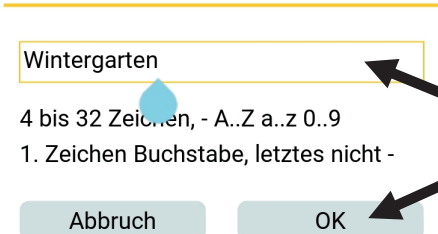
**1**  
Open Settings menu




**2**  
Select field with the old WiFi Box name



**3**  
Enter new name and press OK



## WiFi Box optical signals and button functions

Signal <b>optical indicator</b> and WPS/Reset <b>button</b>		
Button	Signal	Position
-	<p>LED flashes</p> 	WiFi Box in operation
Pressed briefly (< 1 s)	LED on	WPS log-on
Pressed for longer (> 1... 5 s)	LED flashes (after 2 s)	Wi-Fi settings reset to factory settings
Pressed for long time (> 5 s)	LED flashes quickly (after 5 s)	Complete reset to factory settings. Current configurations are deleted. Peripherals must be re-registered.

The WPS registration depends on the router used.  
Please follow the instructions in the router description.

## Customised use of the Wi-Fi Box

To clarify further options of using the Wi-Fi Box before implementing them, contact HAUTAU, Building Automation Department, Move HS Comfort Drive Group in the following cases:

- › Multiple use of the Wi-Fi Box
- › Use with a router
- › Use of multiple doors
- › Use via smart home network (Mediola, Somfy, etc.)
- › Use via radio
- ... and other possible uses

## Technical data for the Wi-Fi Box

Operational power supply		Wireless LAN	
Supply voltage	24 V DC (-10%/+30%)	Radio standard	802.11n/g/b
Ripple	≤ 20% in relation to the nominal voltage	Encryption	Yes, WPA
Wattage in transmission mode	about 1.5 W	Range	Without interferences: about 10 m, depending on the building
Wattage in standby mode	about 1 W	Log-on per WPA	Yes
Current draw in transmission mode	about 60 mA	Password assignment	Yes, in ConfigTool
Current draw in standby mode	about 40 mA	HAUTAU bus	
Comfort keypad output		Cable length	Max. 300 m
Voltage input	10 to 30 V DC	Cable cross-section	0.14 ... 0.5 mm <sup>2</sup> (recommended: 0.25mm <sup>2</sup> )
Current	1 mA	Cable type	not shielded
Fuse	No	Number of peripherals	31 per WiFi Box
Material and mechanical properties		Installation and environmental conditions	
Dimensions: w x h x d (mm)	50 x 47 x 28	Nominal temperature	20 °C
Plastic housing		Ambient temp. range	0 °C to +40 °C
Colour	Grey	Installation conditions	Dry
Halogen-free	Yes	Suitable for outdoor installation	No
Silicone-free	Yes	Protection rating	IP20 (as per EN 60529)
RoHS-compliant	Yes	Approvals and certificates	
Connection and operation		CE-compliant	Yes, with EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC
Suitable for SHEV	No	RoHS-compliant	Yes, with Directive 2011/65/EC
Suitable for ventilation	Yes	Protection class	Class III
Maintenance	Recommended yearly	Required accessories	
Connection terminals	Spring clamp terminals 1.5 mm <sup>2</sup>	HAUTAU ConfigTool software application (app)	To parametrise the WiFi Box and for operation
Indicators and operating controls			
Indicator for operation and configuration	Yes, yellow LED		
Button for configuration	Yes, for reset and WPS registration		

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