

## Installation and operating instructions

# WOLF Link home / WOLF Link pro interface module

WRS



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### 1 Documentation information

#### 1.1 Other applicable documents

Installation and operating instructions for the product and all accessory modules and further accessories.

#### 1.2 Safekeeping of these documents

The system user or operator should ensure the safekeeping of all instruction manuals.

Hand over these installation and operating instructions, along with all other applicable manuals, to the system user or operator.

#### 1.3 Applicability of these instructions

These installation and operating instructions apply to the WOLF Link home and WOLF Link pro interface modules both referred to as Link hereinafter.

#### 1.4 Symbols and warnings used



Symbol for additional information



Symbol for a necessary action

Warnings in the text warn you of possible risks before the start of an instruction. The warnings provide you with information on the possible severity of the risk using a pictogram and a keyword

Pictogram	Keyword	Explanation
	<b>Danger!</b>	Risk to life or risk of serious injury
	<b>Danger!</b>	Risk to life or risk of serious injury through electrocution
	<b>Warning!</b>	Risk of minor injury
	<b>Caution!</b>	Possible material damage

#### 1.5 Layout of warnings

You will recognise warnings in these instructions by pictograms and a line above and below the warning section. These warnings are laid out as follows:



**Keyword**

**Type and source of risk.**

Explanation of the risk.

► Action to prevent the risk.

## 2 Safety and regulations

The general safety instructions must be observed.

### 2.1 Intended use

The Link interface module is designed exclusively for use in conjunction with Wolf products.

Intended use also includes observing all other applicable documents.

### 2.2 Incorrect use

Any use other than the intended use is not permissible. Any other use or changes to the product at any time including during assembly and installation invalidate all warranty claims. The user has sole liability for such use.

This appliance is not intended to be operated by persons (including children) with restricted physical, sensory or mental capacities or who lack the necessary experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received instructions on how to use the appliance from this person.

### 2.3 General safety instructions

The Link interface module must be installed and commissioned by a qualified contractor.

Only qualified contractors may carry out the electrical installation.

- ▶ Before working on the electrical installation, disconnect the power supply from the appliance and all connected components.
- ▶ Be aware that there is mains power to the electrics, even when the appliance is switched off.
- ▶ Only replace damaged or faulty components with original WOLF spare parts
- ▶ Do not remove, bypass or disable any safety and monitoring equipment
- ▶ Only run the system when it is in perfect technical condition
- ▶ Immediately rectify any faults and damage that impair safety
- ▶ If the domestic hot water temperature is set above 60 °C, install a thermostatic water mixer
- ▶ Route mains power cables with a voltage of 230 V in a separate location to the eBus cables

## 3 Overview

### 3.1 Unit description

The Link home and Link pro interface modules can be used to access WOLF control components remotely in order to view states and levels and change parameters. Over a secure internet connection. The WOLF Link home is designed to be installed in an appliance. The WOLF Link pro is designed for wall mounting.

Both interface modules can be integrated into an existing network either with a network cable (LAN) or wirelessly (WLAN).

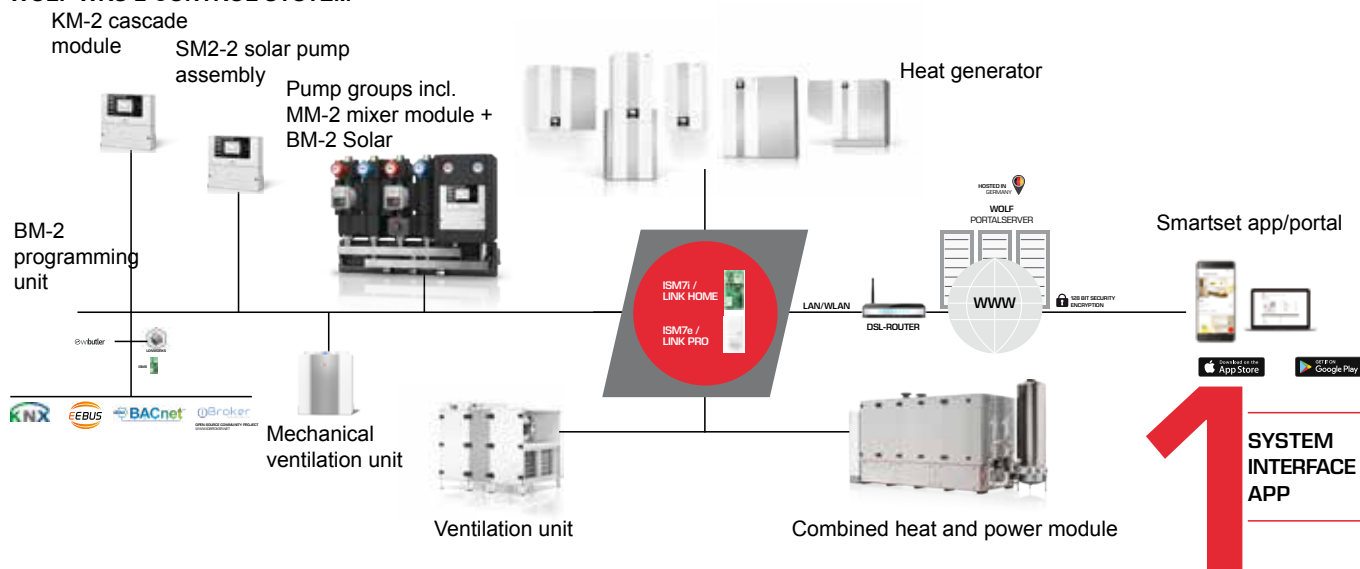
They can be operated using the WOLF Smartset app (for iOS and Android), the WOLF portal on any platform (internet access required) or the Windows PC application WOLF Smartset.

#### Note:

#### Concurrent access

A system can only be accessed by one user at any time.

#### WOLF WRS-2 CONTROL SYSTEM



### 3.2 Compatible appliances

	WOLF Link home	WOLF Link pro
CGB-2, CGW-2, CGS-2 gas condensing boiler	●	●
TOB wall mounted oil condensing boiler	●	●
Gas condensing boilers MGK-2	●	●
BWL-1S split air source heat pump	●	●
COB oil condensing boiler		●
MGK gas condensing boiler		●
CGB, CGW, CGS, FGB gas condensing boilers		●
CGG-2, CGU-2 conventional gas boilers		●
R2, R3, R21 boiler control units		●
BWW-1, BWL-1, BWS-1 mono block heat pumps		●
MM, MM-2 mixer module	○	●
KM, KM-2 cascade module	○	●

- in conjunction with a WOLF Link home compatible heating appliance, Full functional scope only with appliances running current software versions.

	WOLF Link home	WOLF Link pro
SM1, SM1-2, SM-2, SM2-2 solar modules	○	●
Comfort mechanical ventilation CWL Excellent	○	●
KG Top, CKL Pool air handling equipment*		●
CKL, CFL, CRL ventilation units*		●
Combined heat and power modules		●

○ in conjunction with a WOLF Link home compatible heating appliance, Full functional scope only with appliances running current software versions.

\* Modbus interface required in the appliance, special programming cannot be shown.

### 3.3 Wolf LINK home standard delivery

Check the standard delivery using the following list:

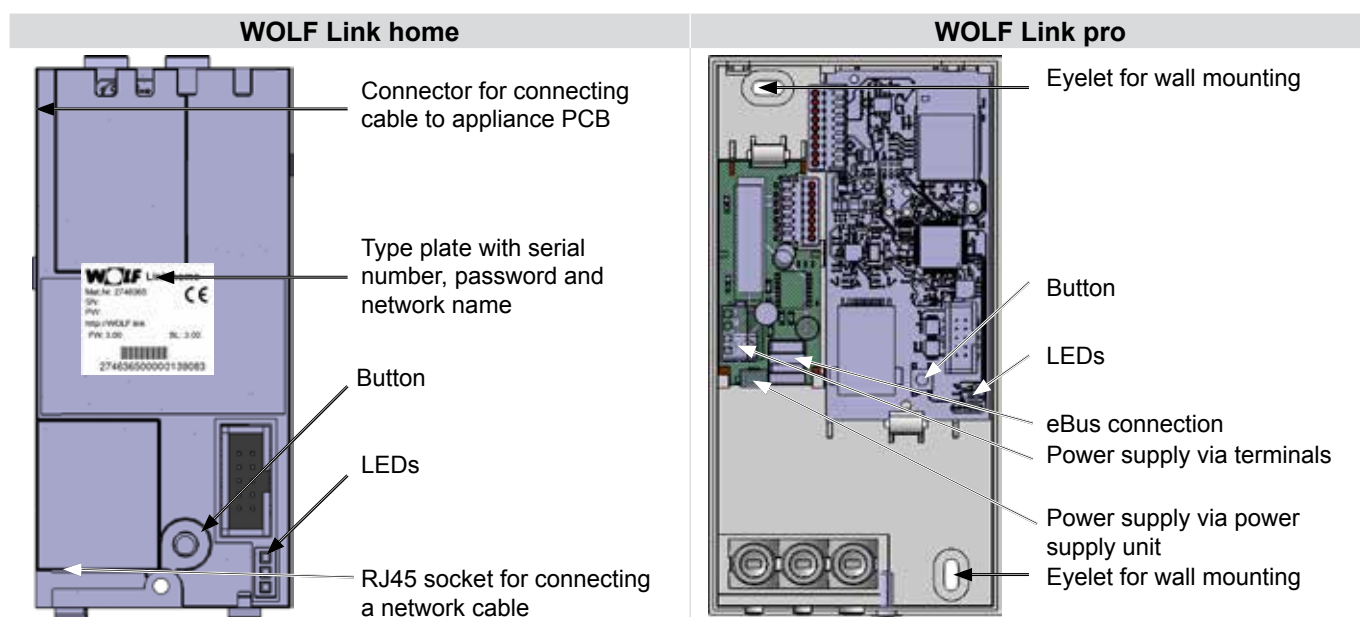
- WOLF Link home interface module
- Installation and operating instructions
- Connecting cable
- Network cable
- 3 x adhesive cable fasteners
- Additional label for attachment to housing

### 3.4 Wolf LINK pro standard delivery

Check the standard delivery using the following list:

- WOLF Link pro interface module
- Installation and operating instructions
- Network cable
- USB power supply unit and cable for power supply
- eBus connection cable
- 3 x strain relief
- Additional label for attachment

### 3.5 Overview WOLF Link home / WOLF Link pro interface module



## 3.6 Function of the pushbutton

The LEDs will begin to light up when the button is pressed. Release the button when the LED display is correct.

Function	Duration of press	LED display
Start access point	Brief <1	None
Activate WPS	≥ 3s and < 5s	Green and yellow LEDs

All other functions of the button are covered in the FAQ.

## 3.7 Meaning of the LEDs

Interface	LED	Actuation	Meaning
Portal	Green	Off	No connection to WOLF Portal
		On	Connection to WOLF Portal successful
		Flashing	Connecting...
eBus / Modbus	Yellow	Off	No eBus or Modbus connection
		On	eBus and Modbus connection established and system detection completed
		Flashing	System detection active
WLAN	Red	Off	WLAN disabled
		On	WLAN connection established
		Flashing	Connecting...
		On for a long time, briefly off	Access point active
		Flashing quickly	WPS active

## 3.8 Specification

Designation	
Power supply	WOLF Link home: 24 VDC via PCB WOLF Link pro: 5VDC via Micro USB and included power supply or 24VDC via "power supply terminals"
WLAN standard	IEEE 802.11b/g/n, 2.4GHz, channel 1 to 13
LAN	RJ45, 10/100 Mbit
WOLF Link home (WxHxD) in mm	47x100x18
WOLF Link pro (WxHxD) in mm	83x160x31
Operating temperature	0... 60°C / 20-90% rel. hum., non-condensing
Storage conditions	-30... 70°C / 0...95% rel. hum., non-condensing
WOLF Link pro IP rating	IP 30

### 4 Installation / Electrical connection



#### **Danger!**

#### **Danger to life through incorrect installation!**

Incorrect electrical installation can cause a danger to life

- ▶ Ensure that only a qualified electrician undertakes electrical the installation of the unit.
- ▶ All electrical work must be carried out in accordance with approved rules and guidelines



#### **Danger!**

#### **Danger to life through electrocution!**

The supply terminals are live even when the switch is in the OFF position

- ▶ Switch OFF the power supply to the appliances
- ▶ Secure the power supply against reconnection

#### 4.1 Installation site requirements

Only install the Link home interface module in the specific installation locations intended.

The WOLF Link pro may only be operated inside buildings and outside wet rooms.

#### 4.2 WOLF Link home installation

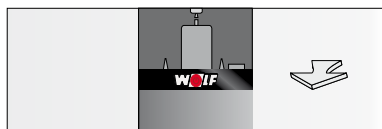
##### **CGB-2/CGW-2/CGS-2 and BWL-1S**

##### **MGK-2**

##### **TOB**

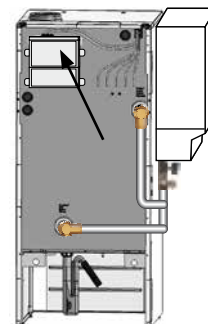
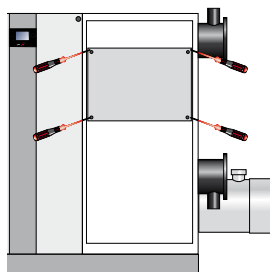
- ▶ Switch OFF the appliance and associated components
- ▶ Disconnect the power supply (MCB or heating emergency stop switch)

- ▶ Open the lower part of the front casing


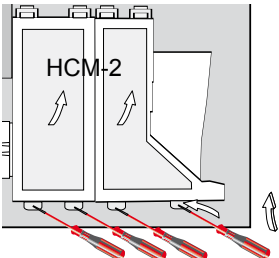
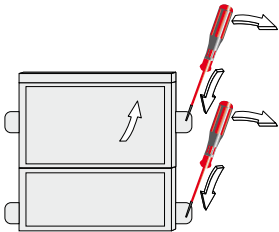
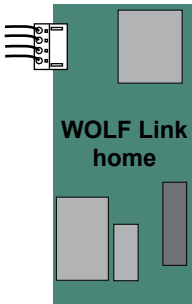
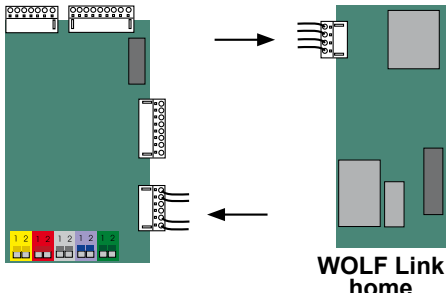
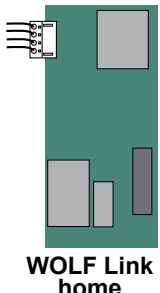
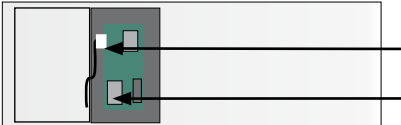
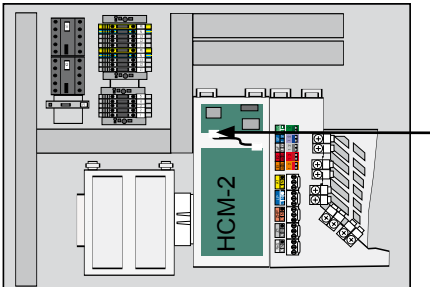
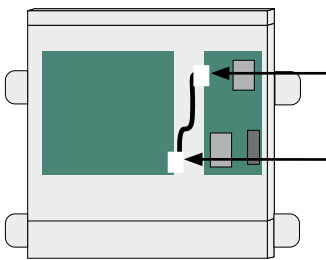


Only suitable for use on LAN!  
Installation instructions for WLAN available at:  
[www.wolf-smartset.com/faq](http://www.wolf-smartset.com/faq)

- ▶ Undo and remove the cover to open the terminal box

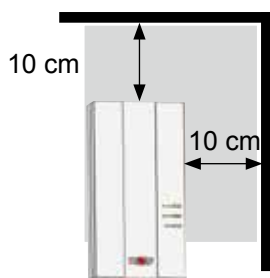




CGB-2/CGW-2/CGS-2 and BWL-1S	MGK-2	TOB
<p>► Open the cover of the installation compartment on the back of the control unit for the Link</p> 	<p>► Open the control unit cover</p> 	<p>► Open the terminal box cover</p> 
<p>► Plug the connecting cable inside the installation compartment into the WOLF Link home.</p> 	<p>► Plug the supplied connecting cable into the PCB and the WOLF Link home.</p> 	<p>► Plug the supplied connecting cable into the PCB and the WOLF Link home.</p> 
<p>► Clip the WOLF Link home in at the designated location</p> 	<p>► Clip the WOLF Link home in at the designated location</p> 	<p>► Clip the WOLF Link home in at the designated location</p> 

- In the case of network connection by network cable (LAN), plug this into the RJ45 socket on the WOLF Link home.
- Switch on the appliance and associated components
- You can now use the WOLF Link home (see instructions on the rear).
- Reattach the covers by following the instructions in reverse order.
- Place the additional label on the housing of the heating appliance so that you can access the information without opening the appliance.

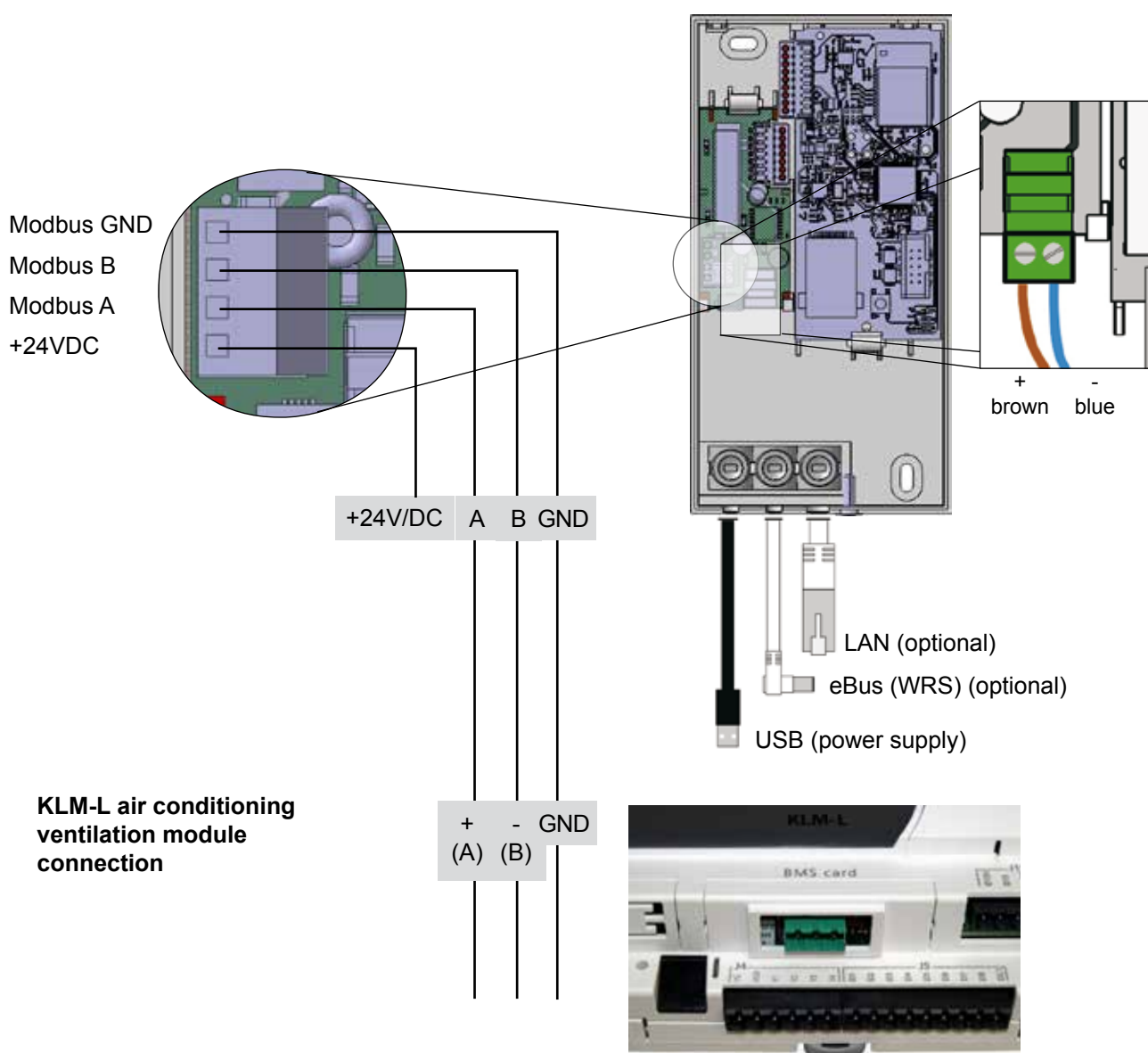
### 4.3 WOLF Link pro installation



For stationary use, mount the WOLF Link pro interface module by inserting screws through the eyelets provided and securing them in a wall.

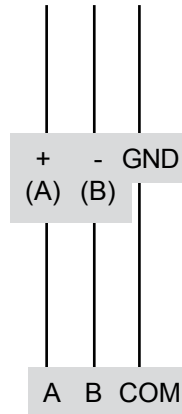
When connecting the WOLF Link pro to the home network via WLAN, place the WOLF Link pro in a position with good WLAN reception and keep the depicted area free of metallic objects (e.g. cables and pipes).

- ▶ Switch OFF the appliance and associated components
- ▶ Disconnect the power supply (MCB or heating emergency stop switch)
- ▶ Open the Wolf Link pro by undoing the screw and lifting up the cover on this side
- ▶ Carefully break out the required cable entries with a suitable tool (e.g. needle-nosed pliers)



**KLM-XL air  
conditioning ventilation  
module connection**

**WOLF Power Systems  
connection**



- ▶ Please refer to the documentation for each Modbus device for information about installation and configuration
- ▶ Connect the eBUS cable to the eBUS service connection of your heating appliance or connect the interface Modul with a two-core lead (cross section  $>0.5 \text{ mm}^2$ ) to the eBUS terminals of your heating appliance or accessory controller. In so doing, pay attention to the polarity.
- ▶ You can now use the WOLF Link pro (see instructions on the rear).
- ▶ Next, reattach the cover and screw it in place.

**Use a shielded cable (CAT5 minimum) to connect the Modbus.**

#### 4.4 Decommissioning and disposal

##### 4.4.1 Decommissioning

- ▶ When decommissioning the interface module, follow the installation sequence in reverse order.
- ▶ Dispose of the interface module correctly.

##### 4.4.2 Disposal and recycling

###### Appliance

At the end of its service life, do not dispose of the interface module in the household waste.



- ▶ Ensure that the Link interface module and any accessories used are disposed of correctly.

###### Packaging

- ▶ Ensure that the Link interface module and any accessories used are disposed of correctly.

### 5 Commissioning

#### 5.1 Integrating the Link into the local network

##### 5.1.1 LAN



[https://www.wolf-smartset.com/lan\\_de](https://www.wolf-smartset.com/lan_de)

- 1) See page 8 for information on how to install the WOLF Link home or WOLF Link pro
- 2) Connect the network cable to the router
- 3) Turn on the power supply of the appliance and connect the WOLF Link pro to the power
- 4) After approx. 1 minute, the yellow LED will remain on and a connection can be established via the home network.

##### 5.1.2 WLAN



[https://www.wolf-smartset.com/wlan\\_de](https://www.wolf-smartset.com/wlan_de)

- 1) See page 8 for information on how to install the WOLF Link home or WOLF Link pro
- 2) Remove the network cable if connected
- 3) Turn on the power supply of the appliance and connect the WOLF Link pro to the power
- 4) Start the WPS function on your WLAN router by pressing the relevant button (Wi-Fi Protected Setup, Push Button Configuration)
- 5) Next, press the button on the WOLF Link home or WOLF Link pro for 3-5 seconds within 30 seconds. Release when the yellow and green LEDs start flashing. The red LED on the interface module will start flashing rapidly - if it stays on, the connection has been established
- 6) After approx. 1 minute, the yellow LED will remain on and a connection can be established via the home network.



##### 5.1.3 Please refer to [www.wolf-smartset.com/faq](https://www.wolf-smartset.com/faq) for other ways in which you can connect to the local network

#### 5.2 Connecting to the internet

To connect your system to the internet, please follow the instructions provided by the setup assistant of the WOLF Smartset app.

The setup assistant is available from the menu in the Smartset app.

The app can be downloaded from the following links:

QR code on iOS app	QR code on Android
	

Instructions for setting up the interface without using the Smartset app are provided at [www.wolf-smartset.com/faq](https://www.wolf-smartset.com/faq).