The RAC WiFi interface is used to remotely monitor your air conditioning system via the Hi-Kumo application.

Warnings

General information

ℹ️ Please read the guide and safety precautions before installing the product. (Installation to be performed by a professional).

Follow all of the instructions below carefully and keep the guide for the entire life of the product. Any installation or use not foreseen by Overkiz is deemed non-compliant. This invalidates the warranty and discharges Overkiz of all liability, as does any failure to comply with the instructions given herein.

General safety advice

- Do not try to open the housing.
- Avoid dropping or impacts.
- Never immerse the product in liquid.
- Do not use abrasive products or solvents to clean the housing. Its surface can be cleaned using a soft dry cloth.
- Do not use this product outdoors. Do not route the connection cable outdoors.
- Any use or modification of the equipment not foreseen by Overkiz could endanger users.
- The product can be switched off by disconnecting it from the air conditioning system.

⚠️ Caution: Failure to follow the precautions for use may result in injury or death.

⚠️ Warnings: Failure to follow the precautions for use may result in accidents or equipment damage.

For installers

⚠️ Caution

- Make sure there is no dust on connection points such as the power terminals and/or on the cable. Risk of fire or electric shocks.
- Only use the cable supplied. It must not be altered. Risk of cable heating, resulting in a fire.
- Do not install the interface in a location where devices using radio frequencies as a transmission medium are prohibited (refer to the applicable local standards).
- Do not install the interface near devices that could be affected by radio waves.
- Do not install the interface in a location where there may be people with heart pacemakers.
- Do not install the interface in an environment with high humidity (e.g. bathroom).

⚠️ Warnings

- Do not allow children to touch the interface. Risk of injury.
- Do not install the air conditioning unit in a location where there is a possibility of gas leaks. Gas accumulating around the air conditioning unit could result in a fire.
- The air conditioning unit is designed for people. Do not use it to cool food, animals, plants, precision machinery, art, medicine, etc. Risk of damage, injury or malfunction.

For users

⚠ Caution

- Make sure that the air conditioning unit is active during WiFi communication operations.

To prevent damage, check the following points in case of problems:

- Abnormal operation may result in fire or electric shocks. Have the interface installed by a qualified installer.
- In the event of a contact failure between the indoor and outdoor unit, the product may become hot, resulting in a fire.
- Consider the health and safety of those in the air conditioned environment, particularly children, elderly people and disabled people, who must not work on a faulty device.
- A refrigerant leak in the indoor unit circuit may cause a malfunction and damage the air conditioning system.

⚠ Warnings

- Do not install the indoor unit above furniture or any other equipment, as this may be damaged in the event of a condensate or refrigerant leak.
- Do not operate the unit with a door or window open during the cooling or dehumidifying phase (ambient humidity above 80%). Water droplets may collect on the moving flaps and drip onto and damage equipment placed under the indoor unit. The damage may be worse if the problem is not detected during remote operations.
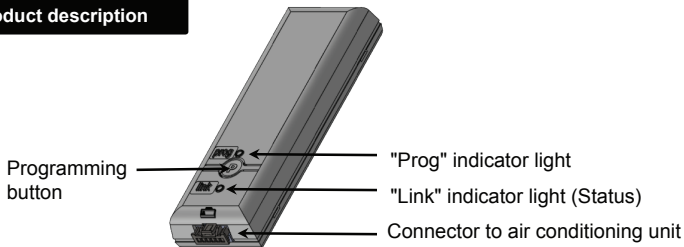
Box contents

Interface side

Air conditioning unit side

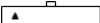1 x Interface   1 x Guide   1 x Connection cable
Length: 1m

Product description

Programming button

"Prog" indicator light

"Link" indicator light (Status)

Connector to air conditioning unit
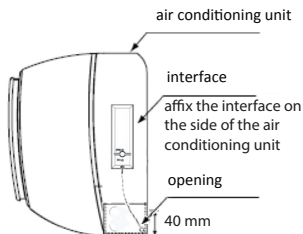
Installation and configuration

The interface is connected to the air conditioning unit via the connector identified by the `▲` logo located on the lower part of the interface. Only use the cable supplied with the interface.

Do not install the interface near a metal surface and/or adjacent to electrical cables.

1) The interface must be installed on the wall or on the air conditioning unit, with double-sided adhesive tape.

2) Install the interface vertically (connector at the bottom) as shown below.

Lower section

air conditioning unit

interface

affix the interface on the side of the air conditioning unit

opening

40 mm

i. Make sure the surface is clean before installation.

ii. Make sure that the cover on the indoor unit pipework can be removed for maintenance on the equipment, and that the interface is affixed to the side of the air conditioning unit using double-sided adhesive tape.
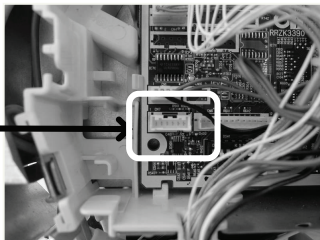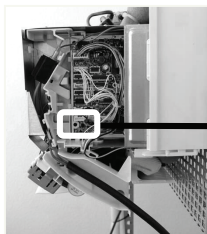
iii. Do not cover the label indicating the interface references with double-sided adhesive, as this could obscure the information (position the adhesive at the 2 ends of the interface, on either side of the label). These references (PIN and SC numbers) are also shown on the interface packaging. Keep these references after the interface has been installed, as they may be required for future installation or maintenance operations.

Connecting the cable

⚠ Warning

- Do not install the interface near a metal surface and/or adjacent to electrical cables.

- Isolate the mains power supply if the indoor unit is powered from an outdoor unit.

1) Remove the front of the air conditioning unit and the cover of the electrics box.

2) The cable supplied with the interface must be connected to the electronic board inside the electrics box. The connector is usually marked CN7 or CN1101. Refer to the air conditioning system installation manual to confirm the connector number.

3) Close the cover of the electrics box, taking care not to trap the cable.

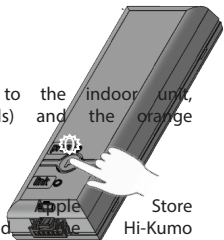4) Close the front of the indoor unit.

Pairing the air conditioning unit

Prerequisite:
- Make sure the indoor unit is powered on.
- Make sure the WHLRR gateway is correctly connected to the indoor unit, the LINK LED is fixed green (flashing every 5 seconds) and the orange PROG LED is flashing rapidly (awaiting pairing).
- Connect the smartphone to the home WiFi network.

Go to Google Play or the Apple Store (depending on your smartphone) and download the Hi-Kumo application.

Open the application. Create an account and follow the instructions.

Once pairing is complete, the LINK LED should be fixed green (flashing every 5 seconds) and the PROG LED fixed green.

The PROG indicator light provides information on the product's operating status as shown in the table below:

PROG indicator light status	Description
Rapid orange flashing	The product is awaiting pairing via a smartphone.
Slow orange flashing	The product is attempting to connect to the WiFi network.
Slow green flashing	The product is connected to the WiFi network and attempting to connect to the server.
Fixed green	The product is connected to the WiFi network and the server.
Rapid green flashing	The product is connected to the WiFi network and awaiting an order from the smartphone.

In case of problems during pairing, follow the instructions below:

1- Repeat the first pairing method

Deactivate the smartphone's WiFi connection and activate airplane mode for 30 seconds.
Reset the smartphone to normal mode and activate WiFi.
Make sure the smartphone can connect to the WiFi network that needs to be used (check the network name (SSID) and the password used to access the network).
Power off the indoor air conditioning unit or disconnect the unit's WiFi gateway for 3 minutes.
Once this time has elapsed, power on the unit again and/or reconnect the WiFi gateway.

Reset the WiFi gateway (see procedure below) by pressing and holding the PROG button for 15 seconds.
Once the PROG LED for the WiFi gateway is rapidly flashing orange, resume the pairing procedure with the Hi-Kumo application by creating an account.

Resetting the interface:
Press and hold the RESET button for 15 seconds until the PROG LED turns orange.
Release the button. The PROG LED flashes rapidly orange.
The interface configuration is cleared and the interface is ready for a new pairing procedure.

2- Second pairing method

In case of failure despite having carefully checked the above points, press and hold the WiFi gateway button for 7 seconds until the PROG LED turns red to activate direct connection mode.
The PROG LED flashes rapidly red (the gateway is generating a WiFi network and is awaiting connection of a smartphone).
A new WiFi network is generated by the gateway. The name of this network (SSID) is the PIN for the WiFi gateway.
Connect to this WiFi network via the Smartphone used to pair the WiFi gateway.
The password used to access this WiFi network is the "Service code" (abbreviated to "SC") shown on the back of the WiFi gateway.
The PROG LED becomes fixed red (a smartphone is connected to the WiFi network generated by the gateway).
Open the Hi-Kumo application and follow the instructions to create an account.
The PROG LED flashes slowly orange (the gateway attempts to connect to the home WiFi network).
The PROG LED flashes slowly green (the gateway is connected to the home WiFi network and attempts to connect to the server).
The PROG LED becomes fixed green (the gateway is connected to the home WiFi network and the server)
Connect your smartphone to the home WiFi network.
The unit can now be controlled via the Hi-Kumo application.
This procedure should be repeated for each of the system's gateways.

PROG indicator light status	Description
Flashing red	The product is awaiting direct connection to the smartphone.
Fixed red	The product is directly connected to the smartphone.

Wired operation

1) If the product is communicating correctly, the "LINK" LED remains lit green and flashes every 5 seconds to confirm communication with the heat pump.

2) In case of an error in the transmission, the "LINK" LED flashes rapidly red. In this case, disconnect and reconnect the product. If, after restarting, the product remains in the same state, please contact support.

3) In the event of a product fault, the "LINK" LED flashes slowly red.
In this case, please contact support.

Updating the product

The product can be updated remotely with no action required by the user.
In this case, the product status will be defined by the following flashing sequences:
- Both LEDs flashing orange
- "PROG" LED flashing orange
- "LINK" LED flashing orange
If both LEDs are flashing red, contact support.

Technical specifications

- WiFi standard: IEEE 802.11b/g/n
- Transfer rate: 54MBps
- Security: WEP/WPA/Open. In AdHoc mode, WPA2 security.
- Configuration: WPS 2.0
- Integrated antenna.
- Index protection rating IP30.
- Operating temperature +5°C to 35°C.
- Maximum operating altitude: < 2000m.
- Pollution category: Class 2.
- Operating humidity: between 30% and 80%.
- Dimensions (l x w x h) 105 x 36 x 16.5 mm.
- Power supply: 12V 150mA DC.
- ABS plastic housing.
- 12V 150mA DC supply.

Recycling and Declaration of Conformity

Do not dispose of the product with the household waste. Please take it to a collection point or an approved centre to ensure it is recycled correctly.

We declare that this product complies with the essential requirements and other relevant provisions of Directive 1999/5/EC.