



alnor HRQ-GATE Communication Module User Manual

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alnor HRQ-GATE Communication Module



USER MANUAL

1. Information about the manual

1.1 System description

The HRQ-GATE Ethernet Gateway is used for communication between the ventilation unit (PremAIR, SlimAIR or MinistAIR series) and an external application (software).

1.2 How to use this manual

This manual is intended as a reference book by which qualified installers can install the HRQ-GATE and all optional device as well. This device must be used according to its purpose. Make sure you have read and understood the manual before you install and/or use the device. Please be informed that we are constantly working on development and improvement of our products hence minor differences between this document and your unit are possible.

1.3 Original instructions

The original instructions for this manual have been written in Polish. Other language versions of this manual are a translation of the original instructions.

NOTE – is used to highlight additional information




2. Technical data

- Power: USB adapter 230V AC to 5V DC; Max. USB current 500mA
- Environment: Operating temperature: 0-50°C
- Storage temperature: -25 to 60°C
- Humidity: 5-90% (Non-Condensing)
- Dimensions: 80x25x105 mm (HxWxD)
- Weight: 90g
- Ports: RJ45 ethernet connector (female)
- Micro USB B connector (power)
- Communication: RF: 863.3 MHz, Rx Class 2
- Ethernet (10/100Mbit)
- Compiles with: EMC 2014/30/EU
LVD 2014/35/EU
RED 2014/53/EU
ROHS 2011/65/EC
WEEE 2012/19/EU

2.1 Building

This gateway has 3 LEDs at the front:



1.  Signalling of radio connection with air handling unit
2.  Signalling of establishing connection with the ALNOR server (registration of the gate in the ALNOR database)
3.  Power supply indicat

The gateway has 2 ports:



RJ45 – fireplace



USB typu B – power

NOTE:



Do not use the RESET button. Pressing it will erase the access data to the ALNOR server. Such gateway will need to be re-programmed at our headquarters.

3. Installation

3.1 The contents of the box



1. Communication module;

2. Power adapter;

3. USB cable;

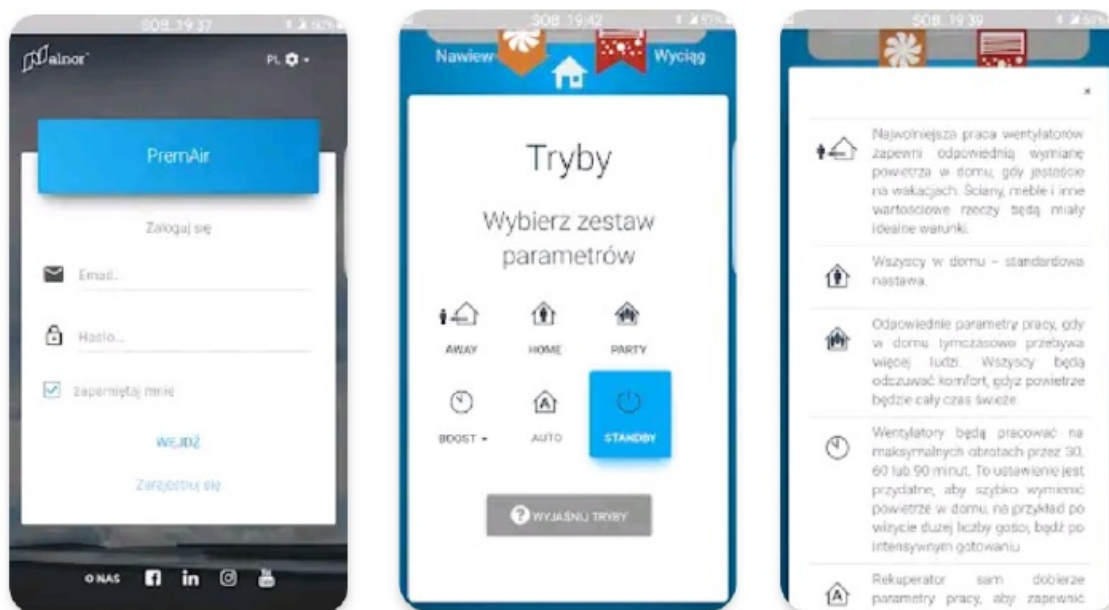
4. Ethernet cable;

5. Manual

3.2 Connection steps

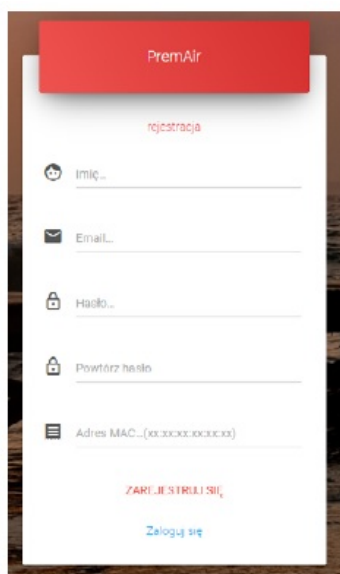
1. Connect the HRQ-GATE with the Ethernet cable to the router.
2. Connect the power adapter with the USB cable to the device and power supply.
3. After a few seconds the power LED (3) will light up.

4. Download the PremAIR  z [Google Play](https://play.google.com/store/apps/details?id=com.alnor.premair) oraz [App Store](https://apps.apple.com/pl/app/premair/id1441111111)  or open the website www.premair.alnor.pl in a browser.

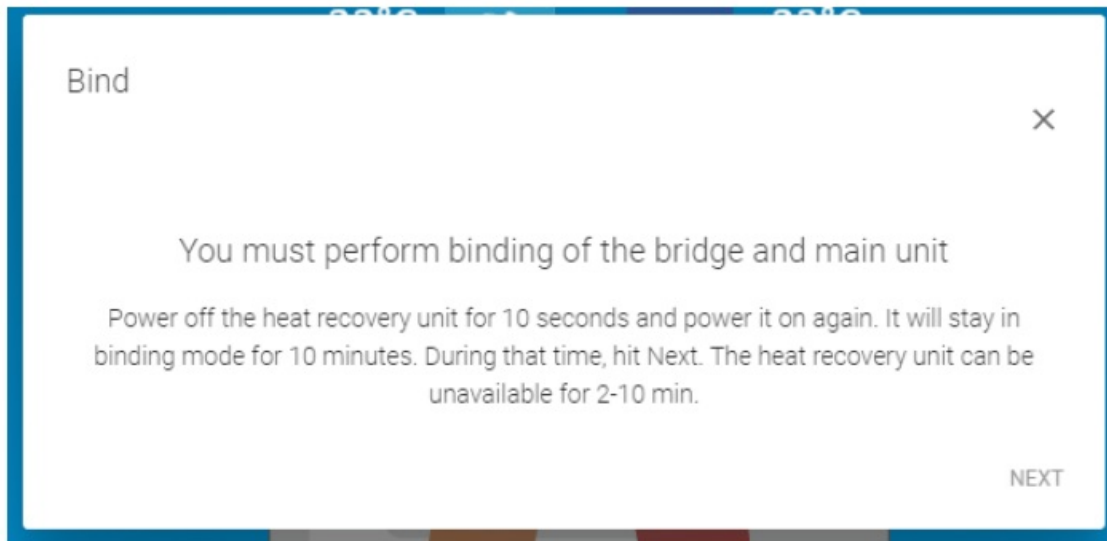


5. Register

- Enter Name (the value is not a login)
- E-mail (will be used to log in)
- Password / repeat password
- Gateway MAC address (You can find the gateway MAC address on the bottom of the device).



- Log in with the registration data.
- Follow the instructions in the application /web page



Pair the gateway with the air handling unit

- Turn the control panel off and on again to enter pairing mode (pairing time is 10 minutes after the control panel is turned on)
- Click NEXT in the application
- Wait 2-10 minutes
- As soon as the readings appear, the application is ready for use

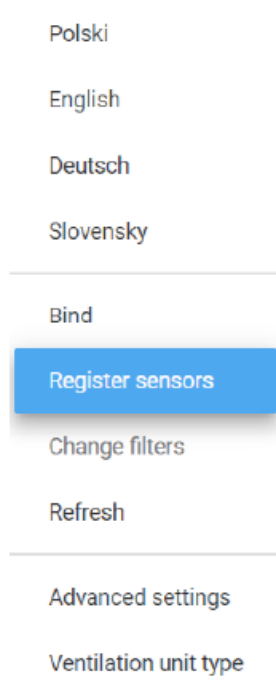


You can also start binding mode by clicking in the upper right corner and selecting „Bind”).

4. Sensor registration

Before starting the sensor registration procedure with HRQ-GATE, you need to associate the sensors with the recuperator (see the corresponding sensor manual).

Once the sensor has been positively associated with the recuperator, associate the sensor with HRQ-GATE using the app or at www.premair.alnor.pl.



Note : Make sure the recuperator is not in evaporation mode (evaporation mode shuts down 10 minutes after the recuperator starts up).

Select the type of sensor you want to register.

What type of sensor do you want to register?

X

☒ RH

☐ CO2

Enter the name of the room where the sensor is located

REGISTER

CANCEL

Confirm that the sensor has been previously binded to the recuperator

X

ATTENTION! Before you register the sensor, you must bind it to the heat recovery unit - as instructed. Are the sensors you want to register binded with the heat recovery unit?

NO

YES

Enter the sensor into bind mode.

ATTENTION!

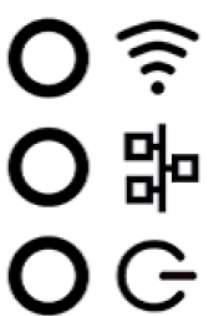




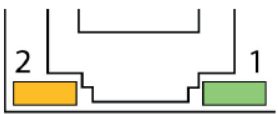
X

Enter the sensor in re-binding mode. Then tap the sensor button again.

CANCEL

Once the sensor is successfully binded to the HRQ-GATE, the sensor data is sent to the gateway. It may take up to 10 minutes to read the data

5. Troubleshooting

| | Symptom | Cause | Solution |
|---|--|--|--|
|  | LED  not lit | No Radio communication | Perform the pairing procedure with the „Bind“ panel again |
| | LED  not lit | Not connected to Alnor server | 1. Perform gateway registration 2. Check the wired Ethernet / Internet connection |
| | LED  not lit | No power | Connect the USB power adapter |
| | LED  blinking | The Gateway can not start up | Contact the Service centre |
|  | LED 1 not lit | No ethernet connection | |
| | LED 2 not lit or blinks | No DHCP server available. Not lit: No IP address available Blinks: uses a standard IP adress (192.168.0.207) | Run DHCP on the router or use a fixed IP address |

NOTE:



Do not use the RESET button. Pressing it will erase the access data to the ALNOR server. Such gateway will need to be re-programmed at our headquarters

6. Recycling

This appliance bears the symbol of the barred waste bin. This indicates that, at the end of its useful life, it must not be disposed of as domestic waste, but must be taken to a collection center for waste electrical and electronic equipment, or returned to a retailer on purchase of a replacement.



It is the user's responsibility to dispose of this appliance through the appropriate channels at the end of its useful life. Failure to do so may incur the penalties established by laws governing waste disposal.

Proper differential collection, and the subsequent recycling, processing and environmentally compatible disposal of waste equipment avoids unnecessary damage to the environment and possible related health risks, and also promotes recycling of the materials used in the appliance.

For further information on waste collection and disposal, contact your local waste disposal service, or the shop

from which you purchased the appliance.

Manufacturers and importers fulfil their responsibilities for recycling, processing and environmentally compatible disposal either directly or by participating in collective systems.

ALNOR®ventilation systems


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FAQ:

Q: What should I do if I accidentally press the RESET button on the gateway?

A: Pressing the RESET button will erase the access data to the ALNOR server. In such a case, the gateway will require reprogramming at our headquarters.

Documents / Resources

| | |
|--|--|
|  | <p>alnor HRQ-GATE Communication Module [pdf] User Manual HRQ-GATE, HRQ-GATE Communication Module, Communication Module, Module</p> |
|--|--|

References

- [Alnor | TSI](#)
- [User Manual](#)

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