



# Wifi module Manual

January 2021



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Version: 01.1 – 25.01.2020

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## 1 Introduction

The Wifi module is the perfect complement to your AlphaAir Freshbox 25.

## 2 Technical Data

<b>Frequency</b>	2.4 GHz
<b>Standard IEEE</b>	802.11b/g/n
<b>Power consumption</b>	Power On 1.2 Watt  Continuous operation from 10 sec. after Power On: 0.8 - 0.9 Watt
<b>Safety</b>	WPA/WPA2

### 3 Privacy

This data protection declaration describes which data, if any, is transferred from the module to the Bayernluft server via the Internet and for what purpose this is used:

The module is paired with your router/access point via WPS, for example, whereby the module is assigned a local IP address in the format 192.168.0.100, for example. This is not to be confused with the public IP address of your Internet provider. You will use the local IP address to access your ventilation device later in the home network. In order to find out which IP was assigned to your module by the local DHCP server, this will be transmitted to the Bayernluft server on request after the connection has been successfully established and can be displayed there by entering the so-called MAC address of the module. For this reason, the MAC address is then also transmitted to the Bayernluft server. The MAC addresses are not linked by Bayernluft with the buyer of a WLAN module, so that it is exclusively an anonymous MAC address. If you do not actively communicate your MAC address to us, Bayernluft does not know at any time which customer has which MAC address on his device and which local IP address has been assigned to it. If you do not want this transmission, you can set the left DIP switch in position "ON" (private mode) and then you have to read out the local IP address via USB cable using the Windows tool or in the router. To enable an automatic software update, the firmware version of the module and the motherboard is transmitted to the server accordingly. The automatic search

for a software update can be deactivated via the following command: `your-module-IP/?autoupdate=0`

If you use the server based WLAN configuration page (gear icon), the current module settings are transmitted to a script of the Bayernluft server for generating a comfortable settings page. A storage of this data does not take place. The privacy policy of our homepage applies, which you can view at [www.bayernluft.de/datenschutz](http://www.bayernluft.de/datenschutz). Please note that the module does not have its own SSL encryption certificate. We therefore recommend that you choose the device name in such a way that no conclusions can be drawn about your identity. If you use the automatic atomic time synchronization, the module retrieves the time at one of the following addresses: `ptbtime1.ptb.de`, `ptbtime2.ptb.de` or `ptbtime3.ptb.de`. The data protection conditions of the Physikalisch-Technische Bundesanstalt (PTB) [www.ptb.de](http://www.ptb.de) apply.

## 4 Static charge

The module is not overly sensitive to static charging. Nevertheless, we recommend that you discharge any charge on your body by touching a grounded object, e.g. water tap, radiator or similar, before unpacking the plug-on module.

## 5 Installation



**Read these instructions completely before commissioning and pass them on to any subsequent users of the module.**

**Keep these instructions in a place where they are accessible to all users.**

### 5.1 Video-Tutorial

The installation and commissioning is explained in a video tutorial. This can be found on our website [www.radonshop.com](http://www.radonshop.com) in the product description of the Wifi module.

For the first contact we recommend to set the right DIP switch (label "1") down to HTML mode (pos. "ON") as shown in the video. As soon as you then enter the MAC address of the module on our above mentioned web address after WPS pairing, you can immediately click on the IP address and test the connection to the device.

To establish contact via Windows tool to the module, please slide the right DIP switch up before (tool mode) while the device is disconnected from power. The future clearly lies in HTML mode, as this works cross-platform with any browser (also smartphone etc.).

## **5.2 Compatible board**

The WLAN modules only work with boards from revision 1.2 (recognizable by the blue voltage terminal and two buttons below the USB interface, as shown in the video on the product page). In the meantime it turned out that some batches of this revision were equipped with weaker voltage regulators. If your module's LED does not light up properly after plugging it in, but e.g. only glows, please request a free replacement board from us. On the product page of the WLAN module you can see a comparison photo of the voltage regulators.

## **5.3 Connection with W-LAN repeater**

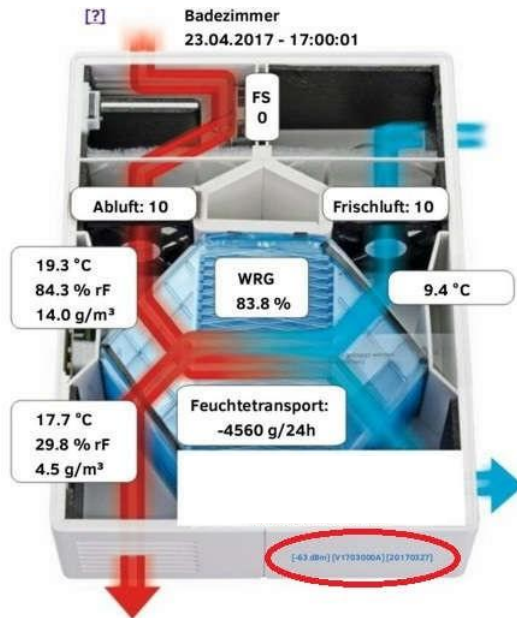
Depending on the repeater manufacturer and model, you may have to trigger WPS pairing either at the router (e.g. FritzBox) or directly at the next repeater. Some routers do not automatically loop through the WPS signal from the router. After successful connection, the module will always contact the WLAN source with the strongest signal.



## 6 Firmware update

### 6.1 Version info

You can read the current version of your firmware at the bottom right of the HTML mode live screen:



The first number gives information about the signal strength to the access point (-60 dBm are better than -80dBm) It follows the firmware version of the device motherboard (Attention, this must be min. 1838000A).

The version of the WLAN module follows.

## 6.2 Manuals Update

New modules are provided with an automatic update function at the factory. If your version does not yet support this (firmware < 20170701), then you can start the update manually by appending the following command. The module must be in HTML mode for this. Please replace the IP address in the following example with your own module address:

192.168.0.100/?updatecheck=1

The update may not yet be confirmed by a message page. After about 1 minute you can reach the module again via its IP address and see the new version number in the bottom right corner, if an update was available.

## 6.3 Automatic update

The automatic update can be activated or deactivated in the settings menu of the HTML mode (gear in the upper left corner).

## **7 Tips and troubleshooting**

### **7.1 Login without WPS**

If your access point or router does not have a WPS function, you may be able to temporarily enter its network identifier and password into a friend's router that supports WPS and thus connect to the WLAN module. The module will save the identifier and password and then connect to your router later as well.

In the meantime, a video tutorial is also available on the product page on how to control the module itself as an access point and how to store the access data.

### **7.2 Device does not respond in tool mode**

Some support calls reached us because the connection setup via our Windows tool did not work. These were the two most common causes:

- a) The right dip switch on the module was not switched up to tool mode. This switch is used to toggle between HTML/tool mode. Currently, both modes cannot be operated in parallel. To switch, please de-energize the device.
- b) If the connection via Windows tool is unstable despite the dip switch, please check if no browser tries to access the module via HTML anymore. Sometimes the browser continues to run e.g. on the cell phone and thus disturbs the communication.

## 8 Maintenance and care

Usually the module does not need any maintenance and care. Only in case of coarse dust deposits compressed air can be used for cleaning.

## 9 Warranty

The two-year warranty applies to the Wifi module purchased from RadonTec GmbH or authorized dealers.

This covers defects in material or workmanship under normal use for a period of one year after receipt of the product. Contamination due to dirt or improper use is not covered by the warranty. During the warranty period, the product will be repaired or replaced at no charge.

*\*Exclusions:*

*This warranty does not cover damage caused by abuse, neglect or misuse. This includes damage caused by drops, impacts or penetrations. It is also void if the product has been repaired or altered by another EIC Inc.*

To obtain this warranty service, please contact us at:  
[info@radontec.de](mailto:info@radontec.de)

## **10 Support and Contact**

### **10.1 Troubleshooting/FAQ**

You will find answers to the most frequently asked questions on our website:

<https://www.radontec.de>

### **10.2 Contact Us**

Should you have any further questions or require further help and technical support, please do not hesitate to contact us.

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