

# BBW200 SmartClim Bluetooth Smart Temperature and Humidity Sensor User Manual

Thank you for purchasing the BBW200 SmartClim sensor from BEEWI. Please read the following instructions to learn how to configure and use more effectively your product.

## Introduction

The BBW200 SmartClim sensor, one of the most innovative [sensors](#) of its generation, can be fully accessed remotely using a dedicated SmartPhone app.

It is perfectly suited for indoor and outdoor home automation applications where temperature and humidity indicators are required.

Compliant with latest Bluetooth 4.0 Smart technology, it is compatible with other Bluetooth Smart Ready devices such as Smartphones and Tablets by means of dedicated applications.

## 1. PRODUCT DESCRIPTION

### 1.1. Product Outlook

- Elastic holding strap
- Temperature & Humidity sensor
- Status LED
- Battery cover

### 1.2. Package Content

- SmartClim Sensor
- 2 Elastic Straps
- 2 AAA Batteries
- Quick Start Guide and other info

### 1.3. Main features

- Control your home temperature and humidity from anyplace at anytime!
- High range and high precision temperature and humidity sensors
- Indoor or outdoor use, [IP43](#) class
- Long battery life, typically 6 months of fair use
- Controlled locally via Smartphone and tablet app (for iOS7+, Android 4.3+ and WinPhone 8.1+)
- Can also be controlled remotely when connected to a Gateway and Cloud Server



#### 1.4. Specifications

Radio	Bluetooth <a href="#">Low Energy</a>
Range	Up to 30 meters
Class	<a href="#">IP43</a>
Humidity	0 to 100% RH
Operating Range	± 4.5 % RH max @ 20–80% RH)
Temperature	–20 to +85 °C / -4° to 185°F
Operating Range	<a href="#">Typical accuracy ±0.5 °C / ± 0.5°</a> <a href="#">Min accuracy ±1 °C / ± 0.9°F</a>
Consumption	0.28 mA <a href="#">typical</a>
Working Voltage	<a href="#">3V</a> (2 AAA batteries)
Operation Time	Approx. 6 months
Dimensions	80x80x22mm / 3.14x3.14x0.86 inches
Weight	Approx. 30g / 1.05 oz

#### 1.5. Compatibility

The BBW200 SmartClim can be connected directly via local access mode or remotely using an optional gateway. Local access mode is supported with SmartPad app by the following Bluetooth Smart Ready Smartphones and tablets:

- Apple iPhone 4s and next, iPad 3 and next, iPod touch 5 and next models
- Android models with OS 4.3 and more
- Windowsphone models with OS 8.1 and more

## 2. LOCAL ACCESS MODE

#### 2.1. Introduction

Local access mode describes the direct control using a SmartPhone or a Tablet as a remote controller. This requires the “BeeWi SmartPad” application to be installed in the controller device.

#### 2.2. Initial Settings

To use SmartClim in local access mode, it is necessary to download and install the “BeeWi SmartPad” application on Smartphone or Tablet devices. This app is available on the app stores for compatible iOS, Android and WindowsPhone devices.

#### 2.3. Pairing

Before using SmartClim, it is necessary to securely pair the Smartphone and SmartClim together. This way, only authorized Smartphone or Tablet will be able to access the sensor.

- 1) Download and install the BeeWi SmartPad app.
- 2) Fit batteries in the SmartClim sensor. The sensor will be visible for pairing during one minute after it has been powered on.
- 3) Open the app and press “Add Peripheral” to look for your peripheral and initiate pairing.
- 4) Once “BeeWi SmartClim” is listed, select it to pair it. After successful pairing, a new box is showing in the app home screen.

### 3. USING THE APP

Warning: some operations may differ in function of the OS used.

#### 3.1. Home screen

The home screen is listing all the peripherals paired and connected to the device.

By selecting the peripheral box, it is possible to:

- Reconnect the peripheral in case the connection has been lost
- Access the control screen when the peripheral is connected
- Drag and move the box when holding the finger on the box

In the SmartClim box, you will find the following information and function:

- SmartClim picture (user defined)
- SmartClim name (user defined, "BeeWi SmartClim" by default)
- Connection status and signal strength bar
- Temperature and Humidity values

#### 3.2. Control screen

The control screen is made of 3 different sections from top to bottom:

- SmartClim name
  - Local weather report
  - Current Temperature and Humidity values and Temperature or Humidity history graph
- Either Temperature or Humidity history graph can be selected by clicking on actual values.  
The graphs are adjustable by pinching the history.

#### 3.3. Edition screen

The edition screen allows for editing SmartClim details such as name and picture.

The edition screen also includes a button to update SmartLite to latest firmware [which will appear in case a new firmware is available](#). To update the firmware, just press the "Update peripheral" button in Edition screen, then confirm action and wait for about 3 minutes for the firmware update to be confirmed.

[Note local weather report is based on Smartphone location, and temperature unit \(°C or F\) can be set in the preferences.](#)

## **4. GATEWAY MODE**

### **4.1. Introduction**

The SmartClim sensor can be also controlled [remotely](#) via the internet using a specific internet gateway. In that case, it is necessary to use a different web application as described in the BeeWi Gateway manual.

### **4.2. Pairing**

In order to register the SmartClim sensor as part of the HomeBee network, it is necessary to pair it securely with the Master Gateway. To do this, follow these steps:

- 1) Fit batteries in the SmartClim sensor. The sensor will be visible for pairing during one minute after it has been powered on.
- 2) Press the Gateway button for 5 seconds until the LED flashes twice per second to initiate pairing.
- 3) Once SmartClim has been successfully paired with the Gateway, the new peripheral will show in the web app home screen.

### **4.3. Web server**

Go to the HomeBee portal using a web browser or the web app to access your peripheral. Using the portal under your own account, it will be possible to access both current temperature and humidity values as well as history graphs.

## 5. CAUTION & WARRANTY EXCEPTIONS

### 5.1. Taking care of your Product

- Use the product indoor only.
- Avoid storage at extreme temperatures, above 45°C (including direct sunlight) or below -10°C. This can shorten battery life and may affect operation.
- Do not expose the product to rain or moisture.
- When not in use, always store the product in a safe place.

### 5.2. Damages not covered by standard Warranty

- Damages caused by an improper use of the product such as shocks, drops, exposition to extreme temperatures, dust, or humidity, or any other cause.
- Damages resulting from any non-respect of manufacturer instructions.
- Cosmetic damages such as scratches, paint, glue or any other alteration made to the product.
- Damages to the product after a repair or disassembly from non authorized personal.

## Copyright and other legal information

BEEWI is a registered trademark. Other trademarks mentioned herewith are owned by their proprietors. All other product or service names are the property of their respective owners.

The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

This product is covered by a 2-year product warranty which is valid from the date of purchase. Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance will void the user's warranty.

Please visit our website [www.bee-wi.com](http://www.bee-wi.com) for more information.

Technical support: [support@bee-wi.com](mailto:support@bee-wi.com).

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Les Rizeries 208 Bld de Plombières CS90234

13311 Marseille Cedex 14 France

## European Union Directives Conformance Statement

Hereby, VOXLAND declares that this product is in compliance with:



- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at [www.bee-wi.com](http://www.bee-wi.com).

## Caring for the environment by recycling



Do not dispose of electrical devices or accessories with your household waste.

In some countries or regions, collection systems are set up to handle electrical and electronic waste items. Contact your regional authorities for more details.

## Federal Communications Commission



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits. Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### **Radiation Exposure Statement:**

The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

## Industry Canada

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### **Radiation Exposure Statement:**

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.