

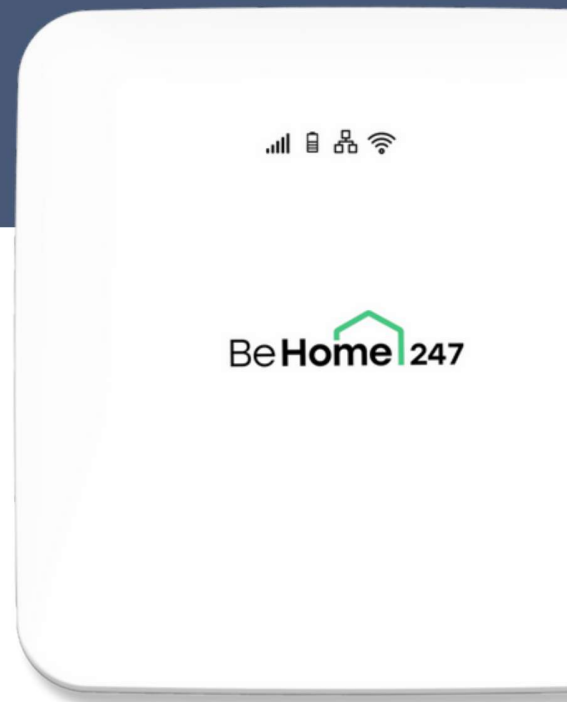
# BeHome247

## User Manual

**BeHome247 Hub**

**Model: BH01A**

**FCC ID: 2BTfN-BH-SHUB01**



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## Introduction:

**BeHome247 Smart Home Hub** is a Z-Wave 700 series Smart Home gateway with LTE Cat-1, Wi-Fi 2.4GHz (b/g/n), and Ethernet.

It incorporates the state-of-the-art parallel processing architecture with real-time performance for fast, secure, and reliable connectivity. It is compatible with a wide range of -Wave devices.

### Product Structure

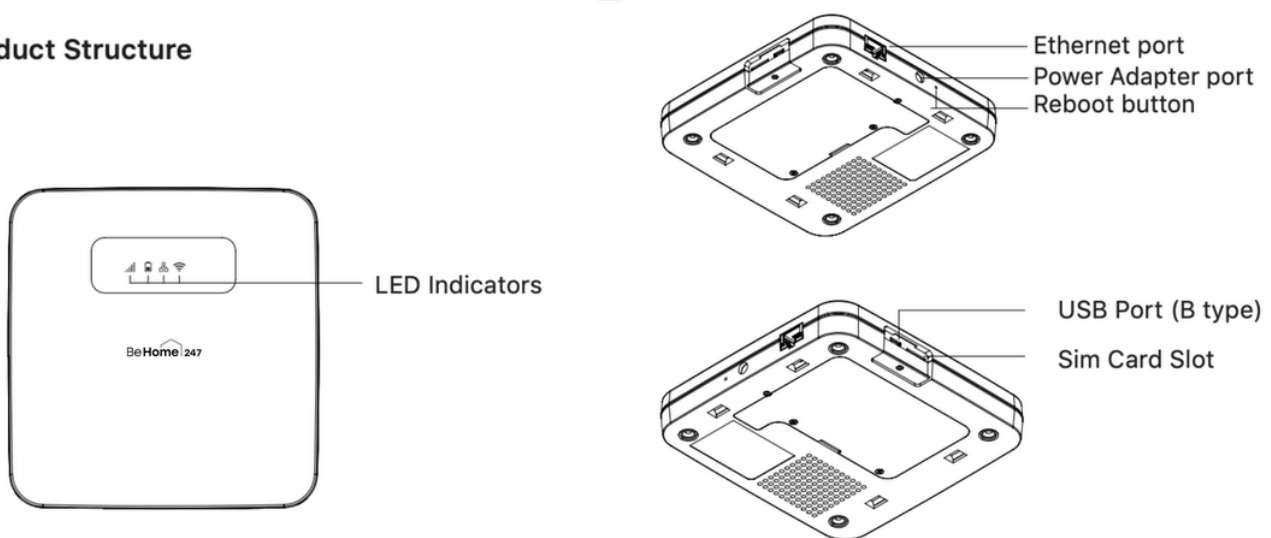


Figure 1: Product Structure

## Technical Specifications

### Processor & Memory

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| <b>Processor</b> | Make & Model Number: Allwinner A64                               |
|                  | Configuration: Quad Core Arm Cortex A-53 Operating Freq: 1.2 GHz |
| <b>Memory</b>    | RAM: 1 GB eMMC: 8 GB                                             |
|                  | Default OS: Ubuntu 18.04 LTS                                     |

### Other Key Features

|                                          |                                                                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RTC, Watchdog, Debug and SIM slot</b> | RTC: On-Board RTC with CMOS battery.                                                                                                                            |
|                                          | Hardware Watchdog: Incorporates an external microcontroller-based hardware watchdog to initiate a processor restart in the event of unforeseen system hang-ups. |
|                                          | Debug Port: USB to UART Converter for debug purposes inside the side compartment.                                                                               |
|                                          | SIM Card slot: Provision to insert Micro SIM card is present inside the side compartment.                                                                       |

### Environment

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| <b>Operating Temperature</b> | 0 °C to +50 °C (For indoor use in dry locations only) |
|------------------------------|-------------------------------------------------------|

### Mechanical

|                               |                   |
|-------------------------------|-------------------|
| <b>Dimensions (W x H x D)</b> | 140 x 145 x 30 mm |
|-------------------------------|-------------------|

### Power Supply & Battery

|                |                              |
|----------------|------------------------------|
| <b>Adapter</b> | Input: 100-240 VAC, 50/60 Hz |
|                | Output: 5.0 VDC, 3.0 A       |

### Communication

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| <b>Supported Protocols</b> | Z-Wave: 700 Series<br>Wi-Fi: 2.4 GHz (b/g/n)<br>Ethernet: 10/100M Port |
|----------------------------|------------------------------------------------------------------------|

## Installation:

### 3.3 Requirements:

- Internet connected (LTE / Ethernet or Wi-Fi router)
- A BeHome247 software subscription, contact your representative for more information or visit [www.behome247.com](http://www.behome247.com).
- FOR INDOOR USE ONLY

### 3.4 Onboarding Procedure



**Scan QR Code to install your BeHome247 Smart Home Hub**  
<https://connect.behome247.com/hardware-installation-guides>

## Device Care and Maintenance:

### Correct Disposal:

Proper disposal of the BeHome247 Hub is vital for safety and environmental considerations.

Please adhere to the following guidelines when disposing of the device:

- Do not dispose of the device into fire: The BeHome247 Hub contains combustible components. It is imperative to never dispose of the device by burning it or exposing it to fire. Doing so can lead to hazardous situations and environmental pollution.
- Do not dispose of the device with regular waste: The BeHome247 Hub should not be discarded with regular household or municipal waste. Improper disposal may result in the device ending up in landfills or being incinerated, which can have negative effects on the environment and human health.

### Proper Disposal Options:

To ensure the environmentally responsible disposal of the BeHome247 Hub, consider the following options:

- **Electronic waste recycling:** Look for local electronic waste recycling facilities or programs in your area. These facilities specialize in the proper handling and recycling of electronics. Contact your local recycling center or municipality for information on drop-off points or collection events for electronic waste.
- **Manufacturer or retailer programs:** Check if the manufacturer or retailer of the BeHome247 Hub has a take-back program or recycling initiative in place. Many companies offer recycling services for their products to promote responsible disposal. Visit their official website or contact their customer support for more information on how to return the device for proper recycling. By following these guidelines and responsibly disposing of the BeHome247 Hub, you contribute to minimizing environmental impact and promoting sustainable practices.

## FCC Statement

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.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

### **RF Exposure Information:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.