

1 MYHOMEBOX

Model:

1.1.264015	Europe
1.1.264022	United Kingdom

Trademarks

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Notice

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Safety Information

- Caution

The MYHOMEBOX and connected devices can be damaged if devices do not correspond to the technical specifications (see technical data).

- Danger

Risk of electrocution. All work on MYHOMEBOX should be carried out by trained and skilled engineers appointed by MYHOMEBOX BV.

Technical details

Power supply	: EU model: S012BEV0500200 UK model: S012BEB0500200
Operating temperature	: -10°C + 40°C
Operating humidity	: 5 – 95% RH
Dimensions	: 115x115x115 mm
Weight	: 410 g
Communication protocols	: Z-Wave® (868 MHz), ZigBee® (2,4 GHz), Bluetooth® (2,4 GHz), DECT ULE® (1,9 GHz), Wi-Fi® (2,4 GHz/5 GHz), 433 MHz, 868 MHz

Handling

Do not drop, knock or shake the MYHOMEBOX. Rough handling can break the internal circuit boards and connectors.

Interference

All wireless devices are subject to interference, which could affect device performance.

Water resistance

This product is not water-resistant. Keep it dry.

Cleaning

Use a dry cloth and no chemicals to clean this product.

TROUBLESHOOTING

Having trouble installing MYHOMEBOX or Smart Home Devices?
Go to our MYHOMEBOX website.

LIMITED PRODUCT WARRANTY

Please check out our General warranty terms on www.myhomebox.house. Do not attempt to repair this product. Guarantee is no longer valid.

DECLARATION OF CONFORMITY



CLUE TECHNOLOGIES BV, ELLERMANSTRAAT 23, 1114 AK AMSTERDAM, THE NETHERLANDS
declares that the product:

MYHOMEBOX model: 1.1.264015 (EU) & 1.1.264022 (UK)

Description: MYHOMEBOX is a smart home gateway designed to control home automation devices under the control of Z-Wave®, ZigBee®, Bluetooth®, DECT ULE®, Wi-Fi®, 433 MHz, 868 MHz wireless standards,

Is in conformity with:
RED directive 2014/53/EU
ROHS directive 2011/65/EU
ECO design 278/2009; 2009/125/EC

Further information: www.MYHOMEBOX.HOUSE/legal

DISPOSING AND RECYCLING YOUR PRODUCT



This symbol on the product/ packaging means that according to local laws and regulations 2002/96/EC product/ packaging needs to be disposed of separately from household waste and send to recycling because it contains electronic components.

2. Welcome to your MYHOMEBOX

MYHOMEBOX has a goal to make controlling your home easy and comfortable. Although the apps support all basic features and controls all of our supported devices there is always a chance you want to control more or have other experience with your Z-Wave devices. In that case MYHOMEBOX also has an interface that supports your needs.

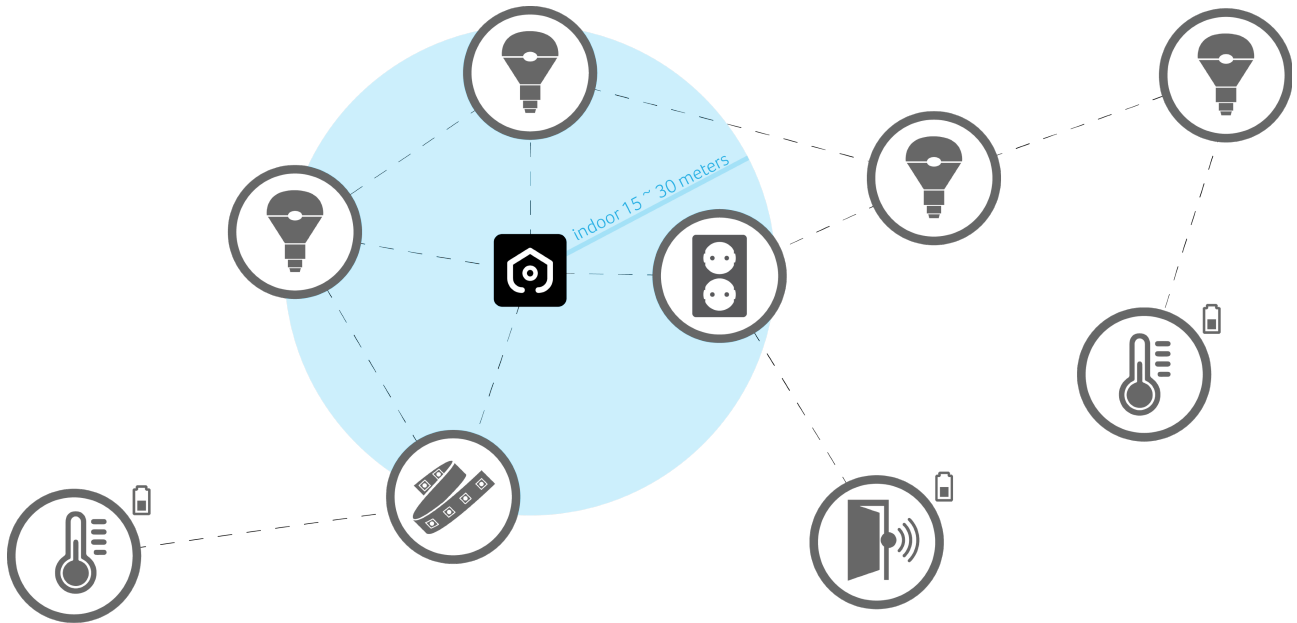
The MYHOMEBOX runs its Z-Wave, ZigBee, DECT ULE. For adding, removing, replicating or other simple network operations we recommend to use the apps. Follow the steps under 3.11 advanced Command Classes to learn more.

3. Z-Wave

Z-Wave is a mesh network protocol controlled by the Z-Wave Alliance. Different products from different manufacturers are able to work together in one network.

Z-Wave Mesh Network

A mesh network is a network that is not only connecting to its base station but also to its neighbouring devices. In this way you can grow your network far beyond the reach of the strongest radio.



Z-Wave Range

A typical Z-Wave range is about 100 meters in the open (outside) 50 meters in an open space (inside) and 30 meters in a typical household situation. A rule of thumb is that every type of construction material without metal in it will take 10 to 30% of your range. For outer walls or ceilings this can go from 70 up to 90% in these cases a routing through a repeater would be advisable.

Z-Wave Repeaters

Repeaters are devices that are mains (230 V or 110 V) powered like power sockets, lights, curtain controls and other devices that are not battery powered. As a device is powered by battery it always is an end device. It can't connect another device to your network or make your network bigger.

With powered repeaters you are able to create up to 4 hops from the controller.

In an ideal situation 4 hops of 30 meters would be possible. This makes the effective range of a network possible of 120 meters. If we take outside hops into consideration it's possible to hop 100 meters where an effective network size of 500 meter is possible without obstruction.

3.1 Z-Wave Adding and Removing devices (Inclusion / Exclusion)

If you have a new Z-Wave device you have to add it to your Z-Wave Network open the MYHOMEBOX app and go to Add Device (or + in the devices page)

1. Follow the steps in the manual of your new device to include or add it in your MYHOMEBOX network.
2. If the you are ready click on **INCLUSION** in the Z-Wave page of Add Device.
3. MYHOMEBOX app should turn into “**NEW DEVICE FOUND**” after this is done it will get back to Normal and the app gives a popup of your new device.

If you want to remove a device follow the steps of removal in the manual and select **EXCLUSION** in the same page.

3.2 Z-Wave - Replication

3.2.1 Copy Network to MYHOMEBOX

If you already own multiple Z-Wave Devices chances are you also have a controller in your house. To be able to directly copy your whole network to the MYHOMEBOX.

1. Place the MYHOMEBOX near your controller to make sure it can reach any of your original devices.
2. Go to the settings of your original controller and select the function that says **Controller Shift / Copy or Replication**.
3. Go to MYHOMEBOX Settings and select Z-Wave - Learn the MYHOMEBOX will become a part of the original network.

3.2.2 Controller Replication - For inclusion controller

Sometimes you just need that few more meters to reach your device. You can add a secondary controller or an inclusion controller to your network by putting the MYHOMEBOX in **inclusion** mode and add the other device by following instructions in that devices own manual.

3.3 .Controllers – Learn Mode

Go to MYHOMEBOX Settings and select Z-Wave - Learn the MYHOMEBOX will become a part of the original network.

3.4 Z-Wave - Adding to existing network

If you already own multiple Z-Wave Devices chances are you already have a controller in your home. Although we recommend to use the MYHOMEBOX as the primary controller, the MYHOMEBOX can be added to that network.

1. Start Inclusion on the original controller
2. Open the Z-Wave settings of MYHOMEBOX under Add Device and start Learning Mode see **2.3**
3. MYHOMEBOX will reply by showing all new found devices in the app and showing one “Unknown device” or the name of the controller.

It's possible you can't interact with the controller but they will live in the same network and work together.

3.5 Z-Wave Basic Command

MYHOMEBOX does not react to received Basic Commands.

3.6 Z-Wave Plus Secure

MYHOMEBOX is a security Enabled Z-Wave Plus Product, This means the MYHOMEBOX is compatible with the latest Z-Wave products, and communicates with them in the most secure way.

3.7 Protocol Technical Details

Z-Wave Plus FSK 1 mW or 0 dBm

Data Transmission up to 40 KB/s. Older devices still use 9.6 kb/s for backward compatibility

Country	Frequency
Europe / China / South Africa / UAE	868.42 MHz
U.S. / Canada / Mexico	908.42 MHz
Australia / New Zealand / Brazil	921.42 MHz
Russia	869.0 MHz
India	865.22 MHz
Israel	915 - 917 MHz
Japan	922-926 MHz
Malaysia	868.10 MHz
Singapore	919-923 MHz
South Korea	919.7 MHz
Columbia	908.4MHz, 916MHz
Hong Kong	919.82 MHz

3.8 Association

MYHOMEBOX is supporting one group with the name Z-Wave Plus Lifeline. This Lifeline group allows one device in it. As the MYHOMEBOX gets connected to another controller this group will be used. For device to device Association see 3.11

3.9 Net Maintenance

Allows you to instruct the controller to enter network maintenance. In this mode the controller starts a procedure of full network maintenance/rediscovery of all devices. The network maintenance is used to rebuild the network in the MYHOMEBOX. This helps to rediscover devices that has been moved or to reduce waiting time. The use of network maintenance should be kept to a minimum as it may create extensive traffic in the network. While in state of network maintenance the controller is not accessible for anything else.

3.10 Reset

3.10.1 Factory Reset

MYHOMEBOX has a combination of multiple protocols. If one network type fails it's recommended to reset only that network. This can be done by resetting the controller in the app under Add Device > Controller > Reset. If problems exist on a higher level we recommend to Factory reset the MYHOMEBOX by pressing the Reset Button on the back for 5-10 seconds. MYHOMEBOX will start a reset procedure that takes up to 10 minutes. You will need to do the whole setup process again.

3.10.2 Controller Reset

If this controller is the primary controller for your network, resetting it will result in the nodes in your network being orphaned and it will be necessary after the reset to exclude and re-include all of the nodes in the network. If this controller is being used as a secondary controller in the network, use this procedure to reset this controller only in the event that the network primary controller is missing or otherwise inoperable.

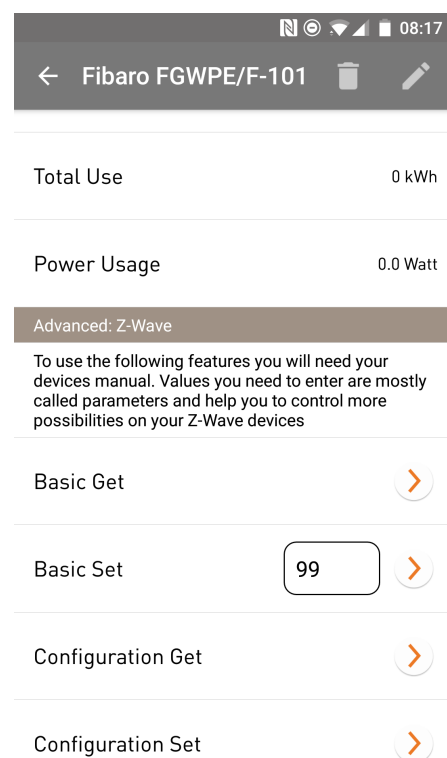
3.11 Reset

3.11.1 Basic CC

All Devices > Click on device and open Detail View. Under actions you will find Basic Get and Basic Set.

Basic Get will ask for the value between 0 and 99 or 255 (ON)

Basic Set will send 0 - 99 or 255.



3.11.2 Security CC

Security in MYHOMEBOX is standard activated. If you look at a device look at **Node Id * - Secure**.

3.11.3 Association CC and Multi Channel Association CC

App

Navigate to the device in your app and scroll down to Z-Wave Advanced Settings

Open this page and select Association or Multilevel Association. Select Set, Select your device and fill in the preferred values. For extra info click the (?) Sign on the right.

Some devices have multiple endpoints. To harness every possibility on this combination of devices there is Multi Channel Association. Go to your controller and follow the steps below:

Go to the controller in Add Device - Scroll down to

3.11.4 Wake up CC

App

Navigate to the device in your app and scroll down to Z-Wave

You can set the preferred WakeUp Timeout here.

3.11.5 Multi Channel CC

Some newer Z-Wave devices have Multi Channel CC integrated this means the device has multiple parts acting as different sub devices. In the app you will see it as one combined device.

3.11.7 Configuration CC

App

Navigate to the device in your app and scroll down to Z-Wave Advanced Settings

Open this page and select Configuration. Select Set, Fill in the parameter from your devices manual and set the preferred value. You can also check the settings or remove them by changing the button on top to Get. A remove button will appear to remove your setting.

Command Classes to be controlled in the app are:

- Basic CC- 3.11.1 Only during Basic CC Calls
- Alarm CC
- Battery CC*
- Binary Switch CC
- Color Switch CC
- Door Lock CC
- Meter CC
- Multilevel Sensor CC
- Multilevel Switch CC
- Notification CC
- Thermostat Fan Mode CC*
- Thermostat Fan State CC*
- Thermostat Mode CC*
- Thermostat Operating State CC*
- Thermostat Setback CC*
- Thermostat Setpoint CC*
- Association CC - 3.11.3
- Multi Channel Association CC - 3.11.4
- Wake Up CC - 3.11.5

*) Device Detail View (click on device to open page)