



Quick Start Guide ***WeBeHome's Home Gateway 2 Plus***

Easy to install and use.

***Connects to WeBeHome cloud service using
your existing Internet connection.***

***Install and maintain via our web app and
use our free IOS/Android App for daily tasks***



Quick Start Guide

You need a login name and password to <https://webehome.com>

If you don't have it, please register in the Subscription page and you will get a confirmation email with the login information.

1. Connect the included white network cable between the Home Gateway to your router. Make sure the network cable clicks in properly in the Home Gateway.
2. Plug in the power adapter for the Home Gateway and wait about 5 minutes. The LED indicator for LAN should be on or flashing indicating that the gateway has connection to the network.

The system will auto configure and auto update itself first time it is connected.

There is a bright light on the front of the gateway when it is ready to be paired to your account. If there is a background light flashing the gateway is upgrading itself to the latest version.

Do not unplug the power while it is flashing during software upgrades. Unplugging power in this phase could make your gateway unusable. If you need to unplug the power, wait at least 5 minutes after the LAN led has stopped flashing.

3. Pair the Home Gateway to your account. Login at <https://webehome.com> Preferred browser is Google Chrome. When logged in, press the button, select the Home Gateway and follow the instructions. When ready, your screen should look similar to the figure below.

The screenshot shows the WeBeHome mobile app interface. At the top, there is a blue header with a menu icon, the text 'WeBeHome Kumpan Office', and a refresh icon. Below the header, the status is 'Disarmed Home' in a green box. To the left, there is location information: '15/02/2017 15:16 Europe/Stockholm', 'Location 5902 Customer 21430', and 'No new alarm or important events'. To the right, there is a 'Status changed: 25/08/2014, 17:11 by Home Gateway (Internet)' and a 'Subscription: BASIC valid to Mar 4, 23:59'. Below this, there is a 'Selected view: Accessories' bar with a 'Change view' dropdown. The main content area is titled 'Modules' and has a 'Filter by: Show all' dropdown and a 'Change filter' dropdown. There are three modules listed: 'Network' with an 'Add network accessory' button, 'Smartbox Home Gateway Development Enviroment (id 387)' with a gear icon, and 'Z-Wave (HomeID F5055178)' with an 'Add Z-Wave accessory' button and a gear icon.

4. Add optional Alarmbox. **First** connect the power to the LS-10/LS-20/LS-30 Alarmbox and then connect it to the USB port on the Home Gateway.
5. Add your Z-Wave accessory by pressing the button.
6. When you have added and configured your accessories you can start to use the smart phone Apps. The can be downloaded from App Store and Google Play. They are named We Be Home Control. Links are available on or web page.



The Home Gateway



LED Indicators



The LAN cable LED should be lit or flashing to indicate that the gateway has a LAN connection. The WiFi is disabled when the Home Gateway is paired.

The gateway use TCP port 80 and 443 to connect to WeBeHome. These ports needs to be open for outgoing traffic and packet inspection turned off. In most cases no change needs to be done in the router for this.

The Home Gateway may be mounted on the wall using the mounting plate.

For security reasons, the gateway should be placed behind a router/firewall.



Z-Wave Information

The Home Gateway use Z-Wave as its primary wireless protocol. This product can be included and operated in any Z-Wave network with other Z-Wave certified accessories from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

If this controller is not the primary controller, a lot of the functionality will be lost since it is assumed that the primary controller is responsible for the Z-Wave network.

The Home Gateway supports Z-Wave Security and can include both secure and unsecured accessories.


Add Accessory (Inclusion)

Add accessories is done by pressing the

Add Z-Wave accessory

the web accessory list page and follow the instructions.

Configure and remove accessories

Open the accessory configuration page by pressing the configure button  to the right of the accessory in the accessory list page.

Configuration parameters for accessories

For some accessories we have added predefined configuration parameters to make it easier to use and sometimes change the default configuration to get a better functionality in our solution.

40 Reports based on threshold values	
Current value	<input type="text" value="1"/>
Factory default value	<input type="text" value="0"/>
WeBeHome proposed value	<input type="text" value="1"/>
<small>Min value = 0. Max value = 1. Enable/disable the selective reporting only when measurements reach a certain threshold or percentage set in 41-44 below. This is used to reduce network. 0=Disable, 1=Enabled</small>	

Associations for accessories

In the Advanced section direct associations between accessories can be done. By default the Lifeline is associated to the Home Gateway.

This device is associated to:	
Root: Group 1, Lifeline (max 5 associations)	
<input type="text" value="0001: Node 001: , Home Gateway HG2 GATEWAY DEFAULT"/>	▼
<input type="text" value="Please select an item"/>	▼
<input type="text" value="Please select an item"/>	▼
<input type="text" value="Please select an item"/>	▼
<input type="text" value="Please select an item"/>	▼


The groups and associations are fetched from the accessory.


Remove Accessory (Exclusion)

When the accessory configuration page is opened, press the Remove button and follow the instructions.



Advanced functions

Click the  on the Z-Wave module to open the page for advanced Z-Wave functions.

Z-Wave (HomeID F5055178) Add Z-Wave accessory 

Z-Wave network role	Inclusion SUC controller (SIS) (Real primary before SIS was added)
Z-Wave Home ID	0F5055178 (HomeID from this controller)
Node ID	001

Description of the Z-Wave module (optional)

Update of network topology Start

Usually this is usually not necessary but might be needed if older Z-Wave accessories are used or accessories are moved around. This is a time consuming task and take longer time the more accessories that are installed. Accessories might not respond while the network update is in process.

Add any accessory or controller to this Z-Wave network (Start Inclusion mode) Start

To start the process, press the Start button here **and then** set the accessory into Add/Inclusion mode (Learn mode).

Remove any Z-Wave accessory from any Z-Wave network (Start Exclusion mode) Start

Any Z-Wave accessory that is included in a Z-Wave network (also other than the Z-Wave network that this Home Gateway belongs to) can be removed from it.

Press the Start button **and then** make then follow the instructions for respective accessory on how to make a Remove/Exclude of the accessory.

Notice: If the accessory removed belong to this Home Gateway it will show a message of which accessory that was removed. If it belonged to another network it will show a message that "No accessory removed or an accessory removed that belong to another network".

Add this Home Gateway to an existing Z-Wave network (Start Network Wide Learn mode) Start

When this Home Gateway is an Inclusion or Secondary Controller, only some part of the functionality and power of WeBeHome can be used since automatic association of LifeLine and other groups will be done towards the SUC/SIS controller.

New and changed accessories or their status will not be automatically updated to this Home Gateway when it is a Inclusion or Secondary controller.

To start the process, set the other controller in Add/Include mode **and then** press the Start button here.

Reset the Home Gateway Z-wave network to default settings. Start

Notice: It is recommended to use Reset only when the primary controller is missing or inoperable.

If this Home Gateway is the primary controller for your Z-Wave network a Reset will make all your Z-Wave accessories being orphan. After a Reset it is necessary to exclude (or reset) all accessories and then re-include them.

If this Home Gateway is used as a secondary controller, use this function to make it leave the Z-Wave network.



Specifications

Association

The Home Gateway supports 1 association group. Group 1 is assigned to the Lifeline association group and can add max 1 association nodes. The Lifeline group is used to send Device Reset Locally Command if a Factory Reset is done and there is a SIS in the network and the SIS is not this gateway.

Command Classes

Supported Command Classes	Controlled Command Classes
Z-WavePlusInfo, v.2	AlarmSensor, v.1
Version, v.2	Association, v.2
ManufactureSpecific, v.1	AssociationGroupingInformation, v.3
DeviceResetLocally, v.1	Basic, v.1
AssociationGroupingInformation, v.3	Battery, v.1
Association, v.2	BinarySensor, v.2
Security, v.1	BinarySwitch, v.1
ApplicationStatus, v.1	CentralScene, v.3
CRC16Encap, v.1	Clock, v.1
PowerLevel, v.1	Configuration, v.1
MultiCommand, v.1	CRC16, v.1
Time, v.1	DeviceResetLocally, v.1
TimeParameters, v.1	DoorLock, v.2
	ManufactureSpecific, v.1
	Meter, v.3
	MultiCommand, v.1
	MultiChannel, v.2
	MultiChannelAssociation, v.3
	MultilevelSensor, v.6
	MultilevelSwitch, v.3
	Notification, v.4
	PowerLevel, v.1
	PulseMeter
	Security, v.1
	ThermostatSetpoint, v.1
	Time, v.1
	Version, v.2
	WakeUp, v.2
	WindowCovering, v.1
	Z-WavePlusInfo, v.2

Basic Command Class

A Basic Set Command to the Gateway will be handled as a Basic Report from that device. Basic Get command will be ignored.

Frequency

The Z-Wave use 868,4 Mhz which is approved in Albania, Andorra, Austria, Azerbaijan, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Moldova, Monaco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia and Montenegro, Slovakia, Slovenia, Spain, Sweden, Switzerland, The former Yugoslav Republic of Macedonia, Turkey, Ukraine, United Kingdom, Vatican, China, Singapore, UAE and South Africa.