



Installer Guide

SG810ZB Slim Profile Gateway

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- ⚠ Read these instructions before installing and using the Gateway.
- ⚠ Verify compatibility with your connected home system before installation.
- ⚠ Follow all instructions provided by your connected home manufacturer regarding the addition of devices to your connected home system. An authorized, qualified installer may be required.
- ⚠ Salus accepts no responsibility for damage caused by not following these instructions.

Store this manual for future reference

1. INTRODUCTION

The Slim Profile Gateway is the key product for the SALUS Smart Home and supports cloud integration to AWS IoT and other cloud platforms with firmware customization. This will offer you an ideal solution for connecting multiple Zigbee wireless devices to the cloud in a smart home system by using your smartphone or your computer via Internet. You can connect up to 200 devices to one gateway. Go to www.salus.com for the PDF version of the manual.

2. FEATURES

- Supports up to 100 SALUS devices
- Supports cloud integration to AWS IoT
 - 10/100Mbps Power over Ethernet connection
 - 802.11 b/g/n WiFi
 - Bluetooth communication for easier commissioning
- Zigbee 3.0 compliance
- Over the air firmware update capability
- 5VDC micro-USB power adapter and wall mount bracket included
- Dimensions: 3.66"W x 3.86"D x .99"H
(93mmW x 98mmD x 25mmH)

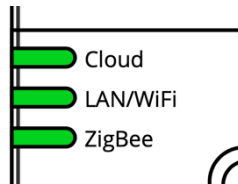


3. LED INDICATOR STATUS

The SG810ZB has 3 multi-color LEDs to show the current operating state.

- The Cloud LED shows the connection status to the Smart Connect Cloud.
- The Zigbee LED shows various states of the Zigbee mesh network.
- The LAN/WiFi LED shows the connection status with the local network.

 Cloud	When the device is connected to the Cloud
 Cloud	When the device cannot connect to the Cloud
 ZigBee	ZigBee network closed.
 ZigBee	Identifying
 ZigBee	Scan and add devices
 ZigBee	Maximum number of allowed devices exceeded
 LAN/WiFi	Gateway is connected to the internet
 LAN/WiFi	Gateway is not connected to the internet



As the SG810ZB is being provisioned, the LEDs will have different patterns to show the current connection and operational status. See details in the INSTALLATION section.

4. INSTALL THE APP

This product requires the SALUS Smart Connect application. Download and install the SALUS Smart Connect App.

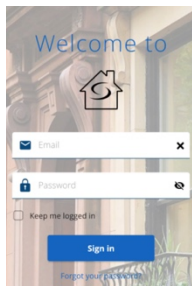
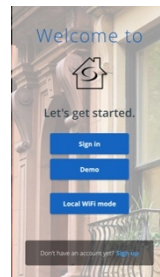
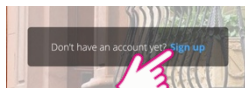
Download the App from the Google Play or Apple Store.



A desktop version is also available at <https://us.salussmartconnect.com/>

Follow the instructions in the app to sign up for an account.

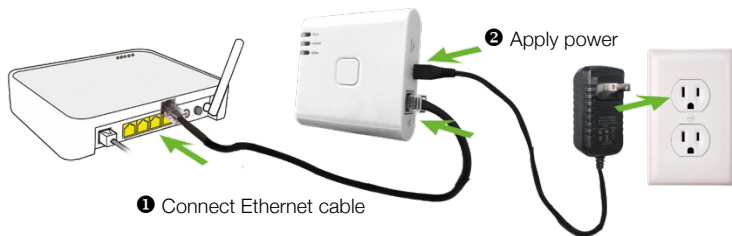
6. Tap Sign up.
7. Enter account information.
8. Tap Create my profile.
9. A Confirmation code will be sent to the email address used to set up the account.
10. Enter the Confirmation Code and tap Confirm.
11. You may now Sign in and begin using the App.



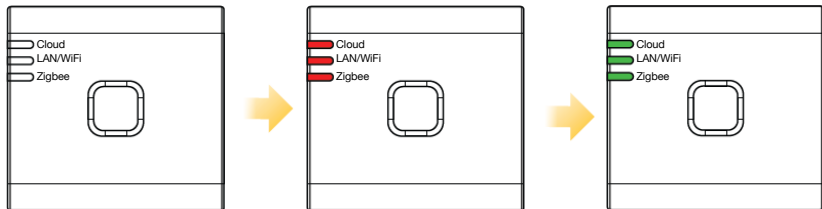
5. INSTALLATION

a. Online mode - using Ethernet cable

(with Internet connection via SALUS Smart Connect app)

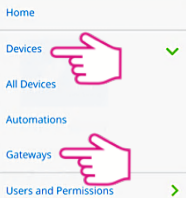
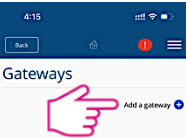
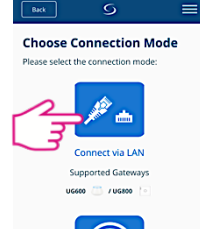
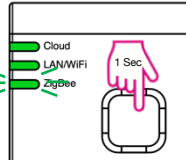
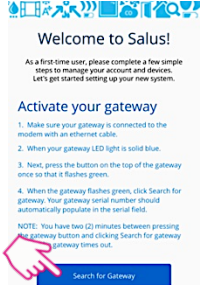
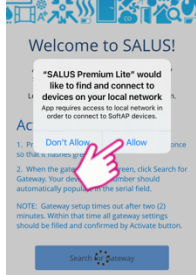


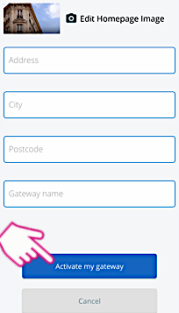
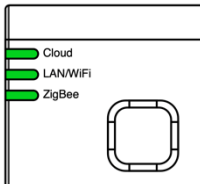
After the gateway has been connected to the router and powered up, please wait until all the LEDs are green.



b. Search for and Add a Gateway

Launch the App and Sign In

Tap 'Hamburger menu'. 	Tap 'Devices' Tap 'Gateways'. 	Tap 'Add a gateway'. 	Tap 'Connect via LAN'. 
Tap the Gateway button (~1s).  Zigbee LED will blink.	Tap 'Search for Gateway'. 	Tap 'Allow'. 	

Fill in all the fields. 	Tap 'Activate my Gateway'. *  * This process may take up to 6 minutes	Once activated, the three LEDs will be solid green. 
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Once the gateway is activated, the application will automatically go to the Dashboard.

The Gateway is now ready to add devices (see section 6).

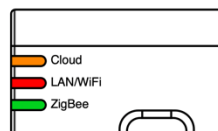
c. Installation in Online mode - using Bluetooth

(with WiFi connection via SALUS Smart Connect app)

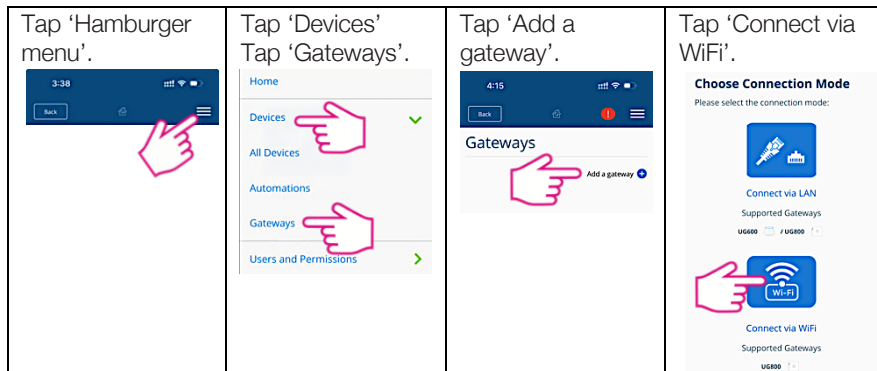


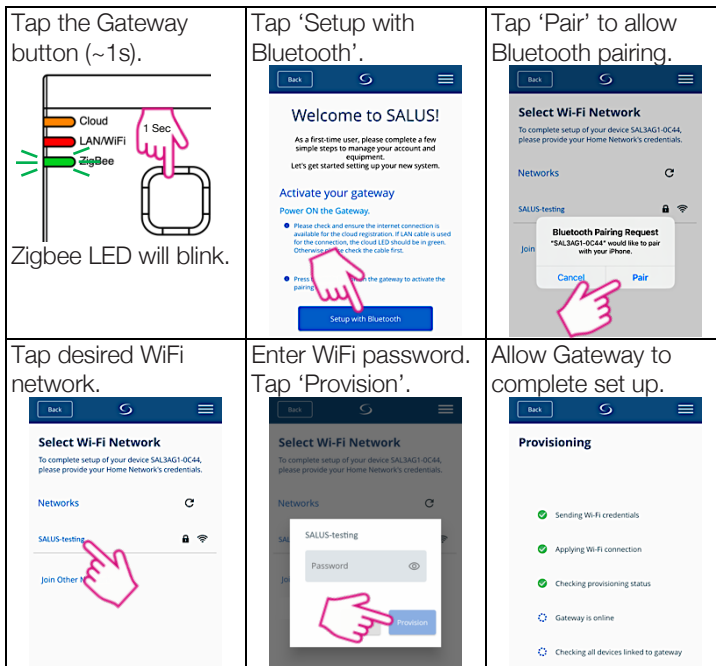
Allow Gateway to boot.

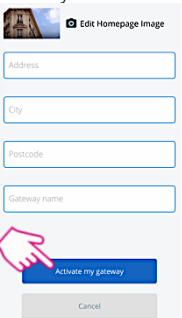
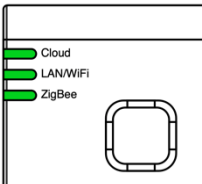
LEDs should appear as below.



Once the Gateways has booted, Sign In to the App, then Add a Gateway.





Fill in all the fields. 	Tap 'Activate my Gateway'. *  * This process may take up to 6 minutes	Once activated, the three LEDs will be solid green. 
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Once the gateway is activated, the application will automatically go to the Dashboard.

The Gateway is now ready to add devices (see Section 6).

d. Installation in Offline mode

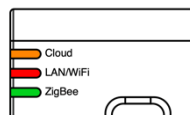
(without Internet connection)



Apply power to the Gateway.

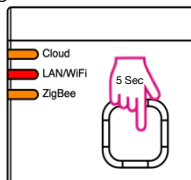
Allow Gateway to boot.

LEDs should appear as below.



To start the pairing process:

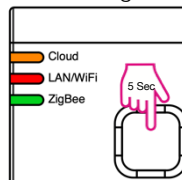
Hold the button for 5 seconds until the ZigBee LED turns orange.



Initiate pairing for each Salus device.

Once all devices are paired:

Hold the button for 5 seconds until the ZigBee LED turns green.



The system is ready to operate

Note: Refer to individual device manuals before starting the installation process.

To replace or add new devices, repeat the steps above.

If you want to change Offline mode to Online mode, you must use the SALUS Smart Connect Application to scan for the equipment.

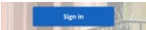
All system settings will be automatically moved into SALUS cloud server.

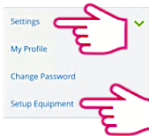
You will not need to repeat the installation process in Online mode.

6. SCAN FOR DEVICES

(Using the SALUS Smart Connect App)

Add devices to the SALUS mesh network using either the mobile or desktop SALUS Smart Connect Application.

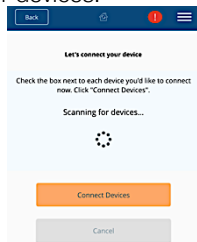
- Launch the App.
- Sign In. 
- The App will open to the dashboard.

Tap the 'Hamburger Menu button' to display the menu. 	Tap Settings. Tap Setup Equipment. 	Tap Scan Devices. 
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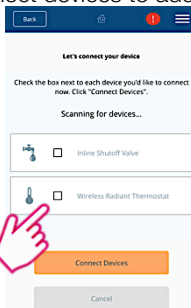
The Zigbee LED on the Gateway will turn solid orange  ZigBee as it scans for devices.

Be patient as the Gateway scans for devices set for Pairing mode.

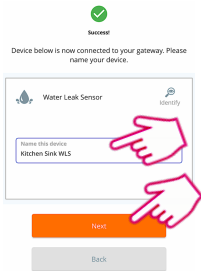
Gateway is scanning for devices.



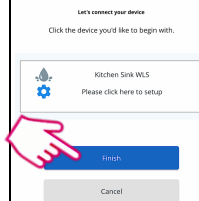
Tap 'checkboxes' to select devices to add.



Give each device a meaningful name. Tap Next to save.



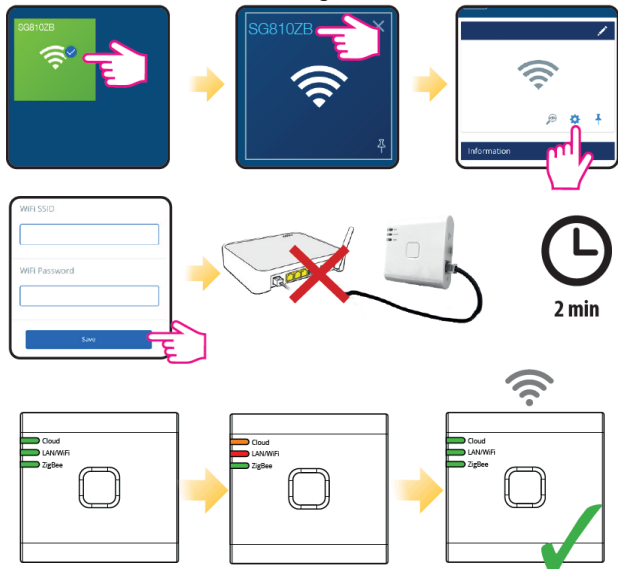
Tap 'Finish' to complete the installation.



7. SET TO WIFI

To change the connectivity from LAN to WiFi, follow the below steps.

- WiFi SSID: the name of your network (Case sensitive)
- WiFi Password: the password of your network
- Note: The WiFi Internet connection might not be as stable as the one on cable.

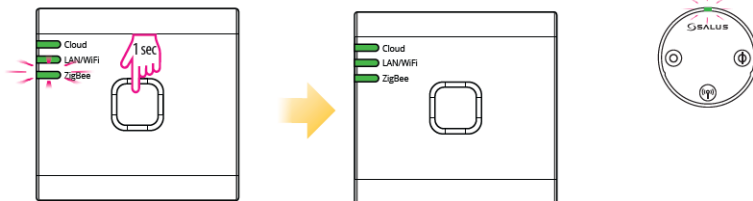


8. CHECKING SYSTEM CONFIGURATION

To check which devices are paired with your system and have been configured correctly, you can use Identify mode. Press the button to activate Identify mode. The SG810ZB gateway will put all equipment that is connected to your system into Identify mode. Identify mode will time out after 10 minutes.

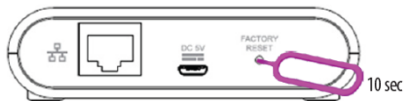


Press the button again to cancel the Identify process.

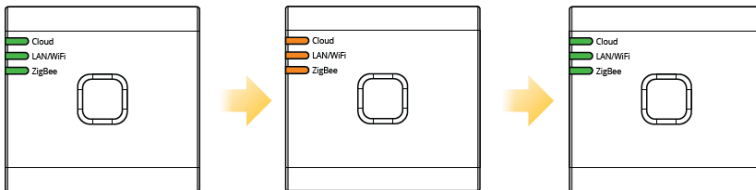


9. FACTORY RESET

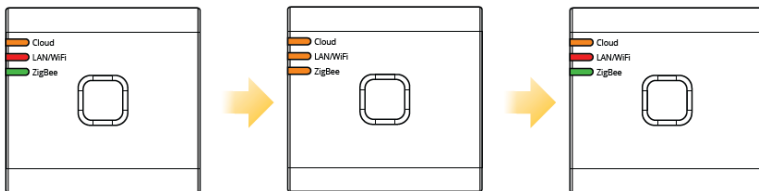
Restoring factory settings in the SG810ZB gateway will delete all settings and devices paired with it from its memory. To do this, use paper clip or a pin to press and hold the button for about 10 seconds until all LED's glows orange and release it.



Online:



Offline:



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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

This device complies with Industry Canada's license-exempt RSSs. 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.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Ce dispositif ne peut causer des interférences ; et
- (2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil. Please Note: This thermostat may have been updated over the internet since this manual was printed. Always refer to the support web site for the latest information.

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

Lors de l'utilisation du produit, maintenir une distance de 20cm du corps pour assurer le respect des exigences d'exposition RF.

Limited Warranty

When installed by a professional contractor, this product is backed by a 5-year limited warranty. Limitations apply. For limitations, terms, and conditions, you may obtain a full copy of this warranty:

- Visit us online: www.braeburnonline.com/warranty
- Phone us: 866.268.5599
- Write us: Braeburn Systems LLC
2215 Cornell Avenue
Montgomery, IL 60538



Braeburn Systems LLC
2215 Cornell Avenue • Montgomery, IL 60538
Technical Assistance: www.braeburnonline.com
Call us toll-free: 866-268-5599 (U.S.)
630-844-1968 (Outside the U.S.)