



## Sengled Smart Z-Wave Plus LED Bulb User Guide

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## Introduction:

Sengled Smart Z-Wave™ LED bulbs can be operated in any Z-Wave™ network with other Z-Wave™ certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. These bulbs enable you to control your lights in multiple ways—on/off, dimming, schedules, etc.—through the Z-Wave™ network and its app on your phones (Certified Z-Wave™ hub required).

**Note:** A Certified Z-Wave™ hub is required to control these devices.

## Important Safety Information:

Before installing the Sengled Smart LED bulbs, please read and follow all precautions, including:

- Turn off power before installation or removal. Discontinue use if damaged.
- Warning: risk of electric shock. Do not attempt to disassemble bulb.
- Not suitable for use with wall dimmers.
- Suitable for use in operating environment between -4°F and 104°F (-20°C and 40°C).
- Not for use in emergency lighting.
- Indoor use only

## Hardware Specifications

Wireless Protocol	Z-Wave™
Radio Frequency	908.42MHz(US)
Maximum Transmitted Output Power	+10dBm
Communication Distance	Over 100m
Modulation Mode	FSK(BFSK/GFSK)
Voltage(V)	120Vac, 60Hz
P	8.7 W
Dimensions(mm)	60 mm *112mm

## Wireless Specification

SDK Version	7.14.4
SDK Library	Flex 3.0.2.0
Explorer Frame Support	yes
Routing	yes
SmartStart	yes
Device Type	Multilevel Switch
Basic Device Class	Routing Slave
Generic Device Class	Switch Multilevel
Specific Device Class	NOT_USED (0x00)
Role Type	Slave Always On

## Installation Instructions

The following instructions are applicable to adding your Smart Z-Wave™ LED bulbs to a smart certified Z-Wave™ Hub. If you DO NOT have a Z-Wave™ Hub and its app previously installed, please install your hub before installing bulbs. If you would like to find out the latest list of supported third party hubs, please refer to [support.sengled.com](http://support.sengled.com).

**Note:** This bulb can only work with a smart Z-Wave™ hub.

### Method 1: using SmartStart

SmartStart enabled products can be added into a Z-Wave™ network by scanning the Z-Wave™ QR Code present on the product with a controller providing SmartStart inclusion or inputting the DSK code on the product package. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity. Just follow up the inapp instructions to complete the process.

### Method 2: using Inclusion

Power cycle Sengled Smart Z-Wave™ LED bulb once within 2 seconds and keep the bulb on, it can go to the Inclusion mode. Then enable the Inclusion command in app can add the bulb successfully.

If you would like to stop the Inclusion mode, power off the bulb more than 8 seconds, then you power on it, it can go to SmartStart mode again.

### Note:

1. Power on the bulb, the bulb flashes once, means going to pairing mode. When paired completely, the bulb will flash twice to indicating installation successfully. During pairing, you can use the bulb as a general bulb.
2. If the bulb could not flash once after powering on, you could not add it to a new Z-Wave™ hub. So, you should reset it to factory mode locally firstly, then try add it to the Z-Wave™ hub. Refer to next paragraph to get how to reset the bulb.
3. Identify was used to know which device is your controlled one. If identify one bulb, it will flash once.

## Reset to the factory mode

Please use this procedure only when the network primary controller is missing or otherwise inoperable.

### Method 1: Using Device Reset Locally

To reset your Smart Z-Wave™ bulb to factory mode, ensure that the bulb is on firstly, then quickly turn the bulb off and on at least 5 times (using a light switch or power bar works best). If the reset is successful, the bulb will flash 3 times, and the device in app will be removed automatically. If it does not flash 3 times, you will have to try again. Once successfully reset, please try to pair it again.

### Method 2: Using Exclusion

If you would like to remove the bulb from your app, keep your bulb online and light on, then click the Exclusion button on your app, and power cycle the desired bulb once and keep on, it will be removed from app automatically. Note: the bulb that you want to remove should be within the required time. If you want to remove another device, you should try the same operation again.

## Security and non-Security features of bulb

This device is a security enabled Z-Wave Plus™ product that is able to use encrypted Z-Wave Plus™ messages to communicate to other security enabled Z-Wave Plus™ products.

When a node includes into a S2 Z-Wave™ network, the node supports S2 unauthenticated class, S2 authenticated and so do the supported CCs.

Supported Security Levels

SECURITY\_KEY\_S2\_AUTHENTICATED\_BIT

SECURITY\_KEY\_S2\_UNAUTHENTICATED\_BIT

## Commands List

Supported Command Class	Version	Required Security Class
Z-Wave Plus™ Info	2	None
Transport Service	2	None
Security 0	1	None
Security 2	1	None
Supervision	1	None
Version	3	Highest granted security class
Association	3	Highest granted security class
Switch multilevel	4	Highest granted security class
Association group info	3	Highest granted security class
Manufacturer specific	2	Highest granted security class
Device reset locally	1	Highest granted security class
Indicator	3	Highest granted security class
Powerlevel	1	Highest granted security class
Firmware update md	5	Highest granted security class
basic	2	Highest granted security class

## Operation:

The following section outlines some of the popular operational modes of the Sengled Smart LED bulbs. Applicable to all smart LED bulbs:

### 1. On/ Off

Smart LED bulbs can be controlled through a variety of means:

- Manually via a wall switch
- Through compatible Z-Wave™ app
- Through compatible Z-Wave™ switch

## 2. Dimming

Through the compatible Z-Wave™ compatible app and Z-Wave™ switch.

**Note:** Manual dimming via wall dimmers is not supported.

## 3. Scheduling

Schedules can be created with compatible Z-Wave™ app.

## 4. Group

The Smart LED bulbs support 1 max groups, you can add 5 max devices to the group.

## Special Rule of Each Command:

Basic Command Class

Basic Set maps to Multilevel Switch Set

Basic Get maps to Multilevel Switch Get

Basic Report maps to Multilevel Switch Report

Association Command Class, the device supports 1 association group

Grouping Identifier	Max Nodes	Send Commands
Lifeline	0x05	1. Multilevel Report 2. Device Reset Locally 3. Indicator Report

## Multilevel Report

Receiving Multilevel Set will trigger this CC.

## Device Reset Locally

To reset your Smart Z-Wave™ bulb to factory mode, ensure that the bulb is on firstly, then quickly turn the bulb off and on at least 5 times (using a light switch or power bar works best).

If the reset is successful, the bulb will flash 3 times, and the device in app will be deleted automatically. If it does not flash 3 times, you will have to try again.

## Indicator Report:

Receiving Indicator Set will trigger this CC

## Z-Wave Plus™ Info Command Class

Parameter	Value
Z-Wave Plus™ Version	V2
Role Type	ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON
Node Type	ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE
Installer Icon Type	ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_PLUGIN
User Icon Type	ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_PLUGIN

Multilevel Switch Command Class

### Frequently Asked Questions:

1. Are Sengled Smart LEDs suitable for use with wall dimmers?

**No**, Sengled Smart LEDs are not suitable for use with wall dimmers, or other variable power devices. Dimming is supported via a compatible Z-Wave™ app.

2. Can I use Sengled smart hub and Sengled home app to control the bulb?

**No**, the bulb uses with Z-Wave™ wireless protocol, it can only work with a smart compatible Z-Wave™ bulb.

### Limited Warranty:

3-year limited warranty from original purchase date. Sengled restrict warranty service for smart home device to the country where Sengled or its authorized retailer originally sold the device. To learn more about the Limited Warranty for Sengled products, please visit [www.sengled.com/warranty](http://www.sengled.com/warranty)  
For FCC and IC Statement details, reference [www.sengled.com/fcc](http://www.sengled.com/fcc)



### Support:

If you encounter any issues, please reach out to your local Sengled Support team. Visit the following website for web support: <https://support.sengled.com>

**Send emails to:** [Support@sengled.zendesk.com](mailto:Support@sengled.zendesk.com) (USA)


[SengledCanada@sengled.zendesk.com](mailto:SengledCanada@sengled.zendesk.com) (CA)

Dial Customer Support Line 1-877-401-5990





10:00am-8:00 pm CST on Mon-Fri 11:00am-8:00 pm CST on Sat



## Documents / Resources

	<p><a href="#">Sengled Smart Z-Wave Plus LED Bulb</a> [pdf] User Guide Smart Z-Wave Plus LED Bulb, Soft White A19 Bulbs</p>
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## References

-  [Federal Communications Commission \(FCC\) Interference Statement](#)
-  [Warranty](#)
-  [Zendesk: Customer Service Software & Sales CRM | Best in 2023](#)
-  [Sengled](#)