

# SW-SCM01N Z-Wave Smart Chime Installation Guide

Z-Wave based wireless chime that allows a user to either enable or extend chime functionality with their doorbell and also enable chime functionality for other Z-Wave and security devices in the user's home. The chime will be implemented per the new Z-Wave Chime device type and command class.

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. This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully utilize all implemented functions.

## Specification

Frequency	908 MHz / 916 MHz
Operating Temperature	Temperature: 0° - 40°C (32° - 104°F); Humidity: 0% - 80% RH (non-condensing)
Storage Temperature	Temperature: -20° - 70°C (-4° - 158°F); Humidity: 0% - 90% RH (non-condensing)
RF Communication Range	Open Air: 70M (Max.)
LED Indicator	LED x1
Power	120VAC
Operating Voltage	100 - 120VAC, 60Hz , 0.03A
Dimensions (H x W x D)	55mm x 55mm x 37.5mm
Compliance	FCC and Z-Wave Plus

## Package Contents



## Warnings and Cautions

- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, please consult a qualified electrician.
- To reduce the risk of overheating, do not install near heat sources, such as fires, boilers or heating vents.
- Do not install the device on the ceiling and also facing direct sunlight or in a humid location.
- Save this instruction sheet. It contains important technical data, which will be useful for future reference.

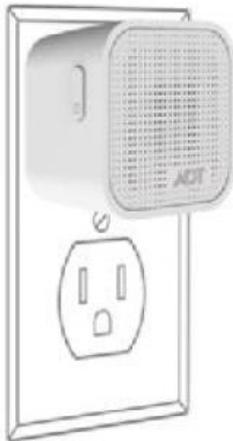
## Operation



1. Pairing Button	2. Green LED Indicator
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## Installation

1. Plug the SW-SCM01N into a wall receptacle. Confirm that the receptacle is working properly. If it is controlled by a wall switch, set to ON all the times.



## Device Functions

The table below summarizes functions supported by the Smart Chime.

Function	Description
Add (Auto Inclusion)	<ol style="list-style-type: none"> <li>1. Follow your Z-Wave controller's instructions on how to put the controller into "Add" mode.</li> <li>2. Power on the device.</li> <li>3. The LED will blink during the inclusion process. This process may take up to <b>4 minutes</b>.</li> <li>4. If the device is successfully added to the network, the LED will turn off. The device will return to normal operation.</li> </ol> <p>If the process fails, try repeating steps 1 - 3 again.</p>
Add (Manual Inclusion)	<ol style="list-style-type: none"> <li>1. Follow your Z-Wave controller's instructions on how to put the controller into "Add" mode.</li> <li>2. Press the Pairing button once to put the device into inclusion mode.</li> <li>3. The LED will blink during the inclusion process. This process may take up to <b>4 minutes</b>.</li> <li>4. If the device is successfully added to the network, the LED will turn off. The device will return to normal operation.</li> </ol> <p>If the process fails, try repeating steps 1 - 3 again.</p>
Remove( Exclusion)	<ol style="list-style-type: none"> <li>1. Follow your Z-Wave controller's instructions on how to put the controller into "Remove" mode.</li> <li>2. Press the Pairing button once.</li> <li>3. The LED will blink for one second while the device is being removed from the network.</li> <li>4. If the device was successfully removed from the network, all Z-Wave information will be cleared, and the Node ID will be excluded from the device.</li> </ol>

Reset to Factory  
Defaults

1. Hold the Paring button for 10 second until the LED lights up.
  2. When LED turns off, all Z-Wave information will be cleared, the Node ID will be excluded from the device, and all settings will be reset to factory defaults.
- Note: Please use this procedure only when the network's primary controller is missing or otherwise inoperable.

## Z-Wave Command Classes

COMMAND\_CLASS\_SOUND\_SWITCH\_V1  
COMMAND\_CLASS\_SUPERVISION\_V1  
COMMAND\_CLASS\_ZWAVEPLUS\_INFO\_V2  
COMMAND\_CLASS\_SECURITY\_V1  
COMMAND\_CLASS\_SECURITY\_2\_V1  
COMMAND\_CLASS\_MANUFACTURER\_SPECIFIC\_V2  
COMMAND\_CLASS\_DEVICE\_RESET\_LOCALLY\_V1  
COMMAND\_CLASS\_POWERLEVEL\_V1  
COMMAND\_CLASS\_ASSOCIATION\_V2  
COMMAND\_CLASS\_ASSOCIATION\_GRP\_INFO\_V1  
COMMAND\_CLASS\_TRANSPORT\_SERVICE\_V2  
COMMAND\_CLASS\_FIRMWARE\_UPDATE\_MD\_V4  
COMMAND\_CLASS\_VERSION\_V3  
COMMAND\_CLASS\_MULTI\_CMD\_V2

## Association

Support 1 group with 5 nodes.

All triggering report will be sent to the associated nodes.

## Devices From Multiple Vendors In One Network

SW-SCM01N can be included and operated in any Z-Wave network with other Z-Wave certified devices 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.

## 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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

### FCC Radiation Exposure Statement

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

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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### FCC RF Radiation Exposure Statement:

- This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

## •Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Industry Canada's licence-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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## Attribution for third party materials

- i) Doorbell Tunes:
  - (1) Standard Doorbell Chime - Ding-Dong  
<http://www.freesound.org/people/mzinsser/sounds/21985/>
  - (2) Standard Doorbell Chime - Low Ding-Dong  
<http://www.freesound.org/people/guitarguy1985/sounds/69385/>
  - (3) Standard Doorbell Chime-Double Ding-Dong  
<http://www.freesound.org/people/vdr3/sounds/393333/>
- ii) Alert Tunes:
  - (1) Canary Tune  
<http://www.freesound.org/people/Lortonoi/sounds/344732/>  
This work is licensed under the Creative Commons 0 License.
  - (2) Wind Chimes: [windchimes.wav](http://www.freesound.org/people/vlammenos/sounds/52906/)  
This work is licensed under the Attribution License.
  - (3) Siren  
<https://freesound.org/people/vlammenos/sounds/52906/>
  - (4) Burglar Alarm  
<https://freesound.org/people/rhostik/sounds/220903/>
- iii) Music Tunes:
  - (1) Positive Tune  
<http://www.freesound.org/people/ValentinSosnitskiy/sounds/218803/>  
This work is licensed under the Attribution License.
  - (2) Violin Tune  
[string 1 loop.wav](http://www.freesound.org/people/ValentinSosnitskiy/sounds/218803/)  
This work is licensed under the Attribution License.
- iv) Music Tunes: (From the Composer)
  - (1) Orchestral Tune
  - (2) Guitar Happy Tune
  - (3) Guitar Smooth Tune
- v) Christmas Tunes
  - (1) Music Box We Wish You a Merry Christmas  
[Music Box We Wish You a ...](https://freesound.org/people/MaestroALF/sounds/399114/)  
<https://freesound.org/people/MaestroALF/sounds/399114/>
  - (2) Christmas Special Featuring  
<https://freesound.org/people/SgtPepperArc360/sounds/341801/>
  - (3) Christmas Sound Effects  
<https://freesound.org/people/airmedia/sounds/349855/>
- vi) Halloween Tunes
  - (1) No more candy
  - (2) Evil laughing  
[Evil Laughing.wav](http://www.freesound.org/people/airmedia/sounds/349855/)
  - (3) Zombies moaning  
[ZombiesMoaning.wav](http://www.freesound.org/people/airmedia/sounds/349855/)
  - (4) Witch  
[Witch.mp3](http://www.freesound.org/people/airmedia/sounds/349855/)
- vii) Other Tunes
  - (1) Big Dog  
[Agressive Dog Barks.wav](http://www.freesound.org/people/airmedia/sounds/349855/)  
[Group of Dogs Barking.WAV](http://www.freesound.org/people/airmedia/sounds/349855/)

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