

TILT | SHOCK XS SENSOR  
ZSE43

## FEATURES

- Quick and reliable tilt and vibration alerts to your hub
- NEW 800 series chip for faster communication and more battery life than ever
- Extra small for discreet mounting
- Protective rubber coating
- Powered by a long-lasting single coin battery
- The latest S2 security and SmartStart for secure set-up
- Supports OTA firmware updates

## SPECIFICATIONS

- Model Number: ZSE43
- Power: 1 x CR2032 battery
- Operating Temperature: 5°-104° F
- Dimensions: 1.9" x 1" x 0.3"
- Range: Up to 130 feet line of sight
- Installation and Use: Indoor or outdoor under eave (can't be exposed to direct rainfall or sun, a little splash is OK)

## INSTALLATION

## 1. POWER THE SENSOR

Use the triangle tool to gently open the sensor's cover and access the battery. Pull the tab from under the battery to activate the sensor.



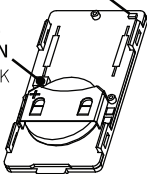
Don't close the cover just yet. The LED indicator will start blinking for around 10 seconds once the sensor is powered.

## The LED indicator doesn't blink or light up at all?

- Make sure the battery is inserted correctly per the positive / negative pole marks.
- Try a fresh lithium non-rechargeable battery.
- Click the Z-Wave button 3 times as quickly as possible to force inclusion/exclusion mode in case you missed when it first flashed.

## LED INDICATOR

Z-WAVE  
BUTTON  
3 x CLICK  
TO PAIR



## Z-WAVE CONTROL

## 1. ADD DEVICE to your hub

Initiate inclusion (pairing) in the app (or web interface). Not sure how? [ask@getzooz.com](mailto:ask@getzooz.com) If you're using an S2 hub, it will ask you to enter the DSK PIN or scan the QR code printed on the inside of the sensor's battery cover to complete SmartStart inclusion.

## 2. ACTIVATE the sensor

While the hub is looking for new devices, **click the Z-Wave button 3 times** as quickly as possible. The LED indicator will start flashing to confirm inclusion mode and turn off once inclusion is completed.

## TIP!

It's best to add your sensor from the area where it will be installed so the hub can find the best route to reach it right away. If the signal is weak in your garage, you may need to add Z-Wave repeaters between the hub and the sensor.

Choose your hub and scan the QR code with your phone's camera. Then click on the link to access the step-by-step pairing instructions.



SmartThings



Hubitat



Home Assistant



Vera

Get more tutorials and helpful tips at  
[www.support.getzooz.com](http://www.support.getzooz.com)

## TROUBLESHOOTING

## The sensor won't add to your system? Try this:

1. Initiate **EXCLUSION** in your hub and click the Z-Wave button 3 times as quickly as possible.
2. Click the Z-Wave button **quicker** when adding it.
3. Bring the sensor **closer** to your hub, it may be out of range.
4. Double-check if the device is powered.
5. Get troubleshooting tips specific to your hub at [www.support.getzooz.com](http://www.support.getzooz.com)

## EXCLUSION (REMOVE DEVICE)

1. Bring the sensor within **direct range** of your Z-Wave hub.
2. Put the Z-Wave hub into **exclusion** mode (not sure how to do that? [ask@getzooz.com](mailto:ask@getzooz.com)).
3. Click the **Z-Wave button 3 times** as quickly as possible.
4. Your hub will confirm exclusion and the sensor will disappear from your controller's device list.

## FACTORY RESET

When your network's primary controller is missing or otherwise inoperable, you may need to reset the device to factory settings manually. In order to complete the process, make sure the sensor is powered, then **click the Z-Wave button twice and hold it the third time for 10 seconds**. The LED indicator will blink continuously. **Immediately after, click the Z-Wave button twice more to finalize the reset**. The LED indicator will flash 3 times to confirm a successful reset.

**NOTE: All previously recorded activity and custom settings will be erased from the device's memory.**

## WAKE-UP MODE

The sensor's wake-up interval is set to 12 hours by default to save battery life. Use the Wake Up Command Class to adjust the interval. **Click the Z-Wave button 4 times quickly to wake the sensor up manually**. The LED indicator will flash once to confirm the device is awake. During wake-up, the sensor turns the Z-Wave radio on for one minute to receive communication from the hub. Long wake-up interval will not affect how often the sensor reports to your hub so we recommend leaving the default setting to conserve battery.

## ASSOCIATION

The XS Sensor supports Group 1 for Lifeline communication, Group 2 (tilt sensor reports), and Group 3 (shock sensor reports) with up to 5 devices for Basic Set on/off control of the associated devices. The value of the basic set command sent to Group 2 and Group 3 can be adjusted in the advanced settings to customize the sensor's behavior. Please note that not all Z-Wave systems give users access to direct association settings so if you're not sure where to find it, please get in touch with our support and we'll be happy to help.

## ADVANCED SETTINGS

**Parameter 1:** Turn the **LED indicator** for tilt or shock sensor status change on or off.  
**Values:** 0 – LED won't blink when either sensor is triggered; 1 – LED blinks only when the shock sensor is triggered; 2 – LED blinks only when the tilt sensor is triggered; 3 – LED blinks when either sensor is triggered (default).  
**Size:** 1 byte dec

**Parameter 4:** Set the vibration sensor's level of sensitivity.  
**Values:** 0 – highest level of sensitivity (default); 1 – medium level of sensitivity; 2 – lowest level of sensitivity.  
**Size:** 1 byte dec

**Parameter 7:** Disable one of the sensor's reports if needed.  
**Values:** 0 – only tilt sensor enabled; 1 – only shock sensor enabled; 2 – both sensors enabled (default).  
**Size:** 1 byte dec

**Click the Z-Wave button 4 times quickly to wake the sensor up after updating the settings.**

We listed the most helpful settings above. For a complete list of parameters, please go to [www.support.getzooz.com](http://www.support.getzooz.com) or scan the QR code for a direct link to all of the settings. »»



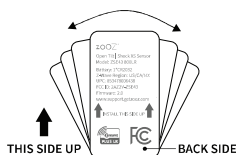
**Not sure how to access advanced settings on your hub? We'll help! ask@getzooz.com**

## SENSOR MOUNTING

### INDOOR MOUNTING

1. We recommend including your sensor to the Z-Wave network from the location you want to install it.
2. Choose a spot in the area you would like to monitor for vibration which will not be easily accessible to potential intruders, like high on the window glass. For tilt (open/close) reports, locate a clean spot on the **top panel of your garage door**.
3. Fix the sensor to the surface with the supplied adhesive tape. The sensor will report vibration when the acceleration sensor is tripped and it will change the open/close status when the sensor is fully tilted to the vertical or horizontal position.

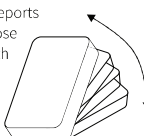
**Make sure you install the sensor with the arrow printed on the back pointing up (and the opening slot facing down).**



**Attach the back side of the sensor to the surface when mounting it!**

### VERTICAL & HORIZONTAL TILT

The sensor reports open and close alerts for both vertical and horizontal tilting movement.



4. Test the sensor by simulating vibration or by opening or closing your garage door.

### OUTDOOR MOUNTING

Follow the same steps as for indoor mounting applying additional protection from water and sun. This sensor is IP64 rated which means it can take a splash or a drizzle but it can't be exposed to rainfall, snowfall, or direct sunlight for prolonged periods of time. We recommend placing the sensor under eave when using it outdoors.

## COMMAND CLASSES

ZWAVEPLUS\_INFO\_V2  
ASSOCIATION\_V3  
MULTI\_CHANNEL\_ASSOCIATION\_V4  
ASSOCIATION\_GRP\_INFO\_V3  
TRANSPORT\_SERVICE\_V2  
VERSION\_V2  
MANUFACTURER\_SPECIFIC  
DEVICE\_RESET\_LOCALLY  
POWERLEVEL  
BATTERY  
SECURITY\_2  
NOTIFICATION\_V8  
INDICATOR\_V3  
CONFIGURATION\_V4  
WAKE\_UP\_V2  
SUPERVISION  
FIRMWARE\_UPDATE\_MD\_V5

**QUESTIONS? ask@getzooz.com**



This product 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. This product features the latest Security 2 (S2) framework to remove smart home network hacking risks. This device is equipped with a unique authentication code for trusted wireless communication.

### ⚠ WARNING

- This product should be installed indoors or outdoors under eave upon completion of any building renovations.
- Prior to installation, the device should be stored in a dry, dust- and-mold-proof place.
- Do not install the device in a place with direct sun exposure, high temperature, or humidity.
- Keep away from chemicals, water, and dust.
- Ensure the device is never close to any heat source or open flame to prevent fire.
- No part of the device may be replaced or repaired by the user except for the batteries.

### WARRANTY

This product is covered under a 5-year limited warranty. To read the full warranty policy or file a warranty claim, please go to [www.getzooz.com/warranty](http://www.getzooz.com/warranty)

IN NO EVENT SHALL ZOOZ OR ITS SUBSIDIARIES AND AFFILIATES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ZOOZ'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY FOR ANY CAUSE OF ACTION ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF THE PRODUCTS, WHETHER BASED ON NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY, BREACH OF AGREEMENT, OR EQUITABLE PRINCIPLES, IS EXPRESSLY LIMITED TO, AT ZOOZ'S OPTION, REPLACEMENT OF, OR REPAYMENT OF THE PURCHASE PRICE FOR THAT PORTION OF PRODUCTS WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. ALL CLAIMS OF ANY KIND ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF PRODUCTS SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING WITHIN THIRTY (30) DAYS FROM ZOOZ'S DELIVERY, OR THE DATE FIXED FOR DELIVERY IN THE EVENT OF NONDELIVERY.

FCC NOTE  
THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. STORE IN DOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSIVE IN WATER. NOT FOR USE WHERE DIRECTLY EXPOSED TO WATER.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:  
1. This device may not cause harmful interference.  
2. This device must accept any interference received, including interference that may cause undesired operation.

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 according to instructions, may cause harmful interference to radio communications.  
However, there is no guarantee that interference will not occur in any given installation.  
If this equipment causes harmful interference to radio or television reception, the user may try to correct the interference by taking one or more of the following measures:  
- Reorient or relocate receiving antenna  
- Increase the separation between equipment and receiver  
- Connect equipment into a separate outlet or circuit from receiver  
- Consult the dealer or an experienced radio/TV technician for additional assistance

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