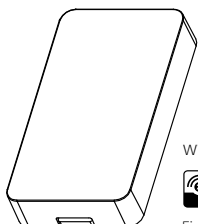# zooz
bright ideas

TILT | SHOCK XS SENSOR
ZSE43

www.getzooz.com

Z-WAVE PLUS FC S2

Firmware 1.20

FEATURES

- Quick and reliable tilt and vibration alerts to your hub
- NEW 700 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
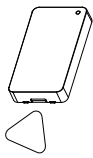- Supports OTA firmware updates

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 eve (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
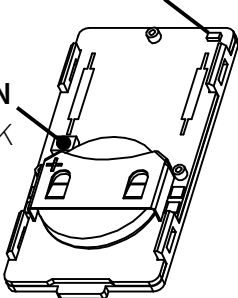
Z-WAVE CONTROL

1. ADD DEVICE to your hub

Initiate inclusion (pairing) in the app (or web interface). Not sure how? ask@getzooz.com
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.

NEED SOME HELP?
ask@getzooz.com

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 ww.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**

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).
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 note sure where to find it, please get in touch with our support and we'll be happy to help.

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 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

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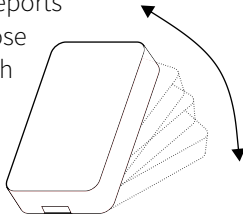**Make sure you install the sensor with the arrow printed on the back pointing up (and the opening slot facing down).**

THIS SIDE UP   **BACK SIDE**
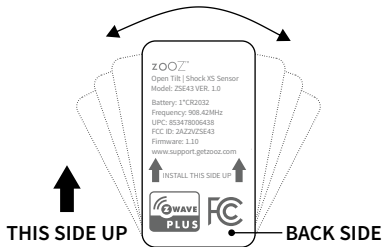
Attach the back side of the sensor to the surface when mounting it!

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 eve when using it outdoors.

Scan to register your product for extended warranty and direct access to firmware files.

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

 S2

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 authentification code for trusted wireless communication.

- This product should be installed indoors or outdoors under eve 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.

This product is covered under a 12-month limited warranty and 5-year extended warranty once registered. To read the full warranty policy, register your product, or file a warranty claim, please go to ww.getzooz.com/warranty