To Add Strips to Your Z-Wave™ Controller

Strips Guard 700 is a SmartStart enabled product and can be added to a Z-Wave network by using SmartStart. Start by scanning the Z-Wave QR Code present on the back label of the Strip, or on the DSK leaflet present in the box. Strips can be added to both secure and non-secure controllers and with or without SmartStart.

a) Add using SmartStart inclusion

You can use this method of inclusion only if your Z-Wave Controller supports SmartStart.

1. Open up your Z-Wave Controllers app and select SmartStart inclusion.

2. Scan the QR Code (You can find the QR Code on the back of Strips or in the package).

3. Remove both magnets from Strips.*

• SmartStart will automatically begin 30 seconds after removing the magnets and Strips will be added within 10 minutes when it has been activated within the Z-Wave Controller range.

4. One long LED blink means Strips has been successfully added to your Z-Wave network.

b) Add using classic inclusion (Non SmartStart Controllers)

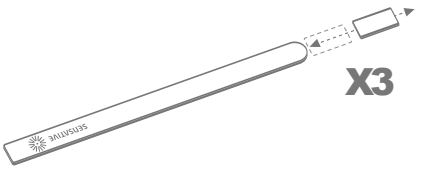
1. Open your Z-Wave Controller application and start pairing mode.

2. Remove both magnets from Strips.*

3. One long LED blink means Strips has been successfully added to your Z-Wave network.

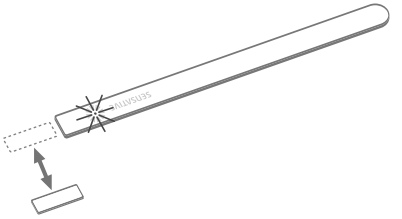
*If you have previously removed the magnets from Strips, or need to re-add the device, performing a manual wake up will join the device when the controller is in pairing mode.

To perform a manual wake up



1. Take the magnet and move it to the rounded edge and wait for the blink, then move the magnet away.

2. Repeat this 3 times. A final short blink will confirm that the user-command was successful.



To verify Strips is working properly

Move the squared magnet towards the square edge as shown in the picture. Check that your Z-Wave Controller displays the status correctly.

• If your Z-Wave system doesn't respond, you may need to change Strips' notification type from the controller (see Table A).

For good communication

Strips uses low power radio signals to communicate with your Z-Wave controller. For best results, please consider the following:

• Strips is designed to fit invisibly in most wood and plastic windows and doors.

• Strips should not be mounted directly on magnetic surfaces or encased within a metal structure as the range will be reduced.

• Strips range is up to 325 feet.

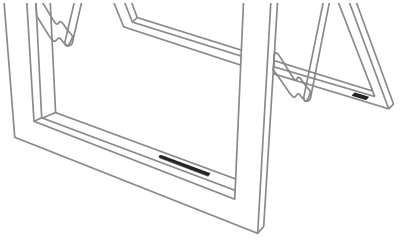
• Any non-battery Z-Wave device will act as a repeater to increase network reliability and range.

For good functionality in the door or window

• To place Strips invisibly, you need a gap in your door or window frame with a minimum height of 3.5 mm.

• Strips may be mounted on the frame (recommended) and the magnet on the door/window, or vice versa.

• Open the door/window fully to check that the placement of Strips and the magnet does not interfere with hinges or locking mechanisms.



To correctly mount Strips, please follow the steps below:

1. Make sure the surface is clean, dry and at least +10°C(+50°F). Use the included cloth to clean and prepare the surfaces.

2. Remove the brown protective film from the small Strips test adhesive. This adhesive is used before the final placement so it is easy to re-position Strips if needed.

3. Place Strips where you want it mounted. Check the position by carefully closing the door/window and then opening it completely again.

4. Identify where the magnet should be placed (See picture below). Remove the protective film and place the magnet. Close and open again to validate that your Z-Wave controller detected the changes. Re-position if needed.

5. Check that the door/window can be fully closed and opened and that your Z-Wave controller detects the changes.

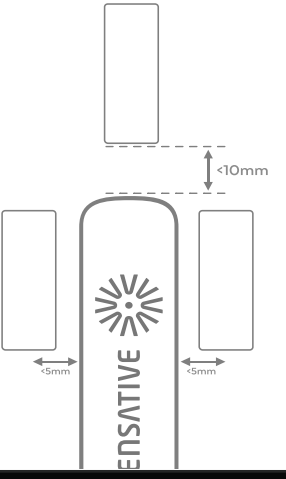
6. When you are satisfied, mark the exact position for Strips. Remove it from its position, remove the long film protecting the adhesive backing and place Strips exactly as you marked.

7. Keep the spare magnet; it can be used to wake up, remove or reset Strips in the future.

More guidance including instructional videos:
www.sensative.com/strips

Magnet placement and sensor range

• Check that the magnet can be placed so that it is less than 10 mm from Strips' square end when the door/window is closed. When the door/window is open, the magnet should be at least 30 mm away from Strips.



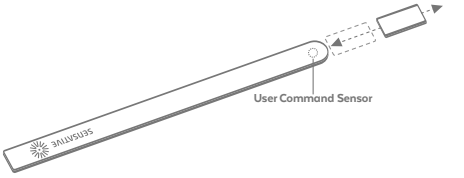
CONFIGURATIONS

Configuration Table

No	Name	Description	Values	Default
1	Notification type (1 byte)	Select the notification type for the door and window open or close events	0: Binary sensor report + Notification report (Access Control) 1: Notification report (Access Control) 2: Notification report (Home Security)	1
2	LED alarm event reporting (1 byte)	Turn On or Off LED for specific event indications (ex. alarms)	0: Turns off LED for door open events 1:On	1
15	Activate supervision (1 byte)	Activate Supervision command for only important alarm events or all events *Supervised commands require a confirmation from the gateway when a notification is received	0: Events sent with S2 Encapsulation only 1: Only Door Open Alarm Report (Events sent with S2 and supervision encapsulation) 2: Unsolicited reports (Door Open/Close,Tamper clear, Wake-up notification and Battery Report events sent with S2 and supervision encapsulation)	1
22	Security Level (1 byte)	Select the level of security	0: Standard (Forces parameter behavior as follows: #16=10000, #17=Sensative standard**, #18=0, #19=Off ** Retries with an incrementally longer period until reconnected 1: High Security (Enables parameters 16-19, #1=2, #15=2)	0
The below configurations are only used if parameter 22 is set to 1 (High security) Parameters 16-19, 22 are categorized as "Advanced Settings"				
16	Supervision wait time (2 bytes)	The number of milliseconds to wait for a Supervision response when a Supervised message is sent	500-30000 (ms)	10000 (ms)
17	No. of failed event retries (1 byte)	Number of retries when a confirmation is not received	0-5	1
18	Failed event retry interval (1 byte)	The minimum number of seconds between retries	Min = 1 second, Max = 60 seconds	6 (seconds)
19	Heartbeat interval (1 byte)	Number of minutes between periodic battery reports (Heartbeats)	5 - 70 (mins) - Accepts multiples of 5 mins. - Any arbitrary value in between 5 and 70 will be rounded up to a multiple of 5	70 (mins)

For Command Classes and supported Notification Events please see: sensative.com/strips/Strips-Guard-700/

Execute user commands according to "Table A" by moving the magnet according to the picture below.



User Commands (Table A)

Wake Up	To wake up Strips manually for communication with the Z-Wave controller, move the magnet 3 times according to the illustration above.
Add/Remove	Place the controller into pairing or remove mode and perform the "wake up" pattern described in the first section of this manual.
Factory Default Reset	You may need to reset Strips if your Z-Wave controller is missing or not responding. Follow the instructions for Wake Up above, but on the 3rd repetition, keep the magnet at the rounded edge for 10 seconds. A long LED signal indicates success.

LED Notifications (Table B)

1 Short Blink	-User feedback during commands -Successfully sent report
2 Short Blinks	The indication when Strips is not added to a network.
1 Long Blink	A user command is successfully executed.
5 Short Blinks	Error (e.g. communication with controller failed)

Association	Strips supports association group 1 (Lifeline), max 1 node, normally used to send Strips' notification to the Z-Wave controller.
Tamper	Strips will send a tamper alert if it detects that someone tries to wake up or manipulate Strips.

This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All mains operated nodes within the network will act as a repeater, regardless of vendor, to increase the reliability of the network.