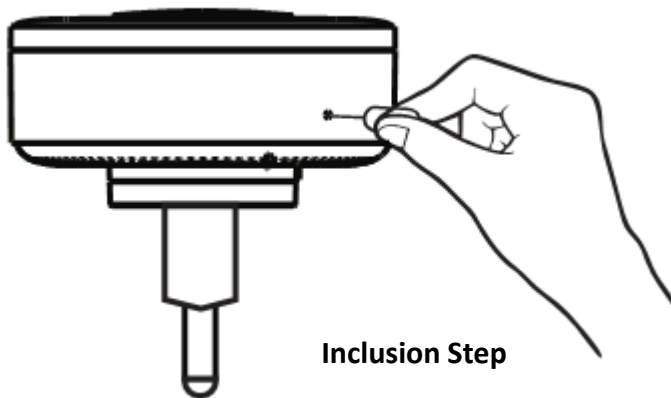
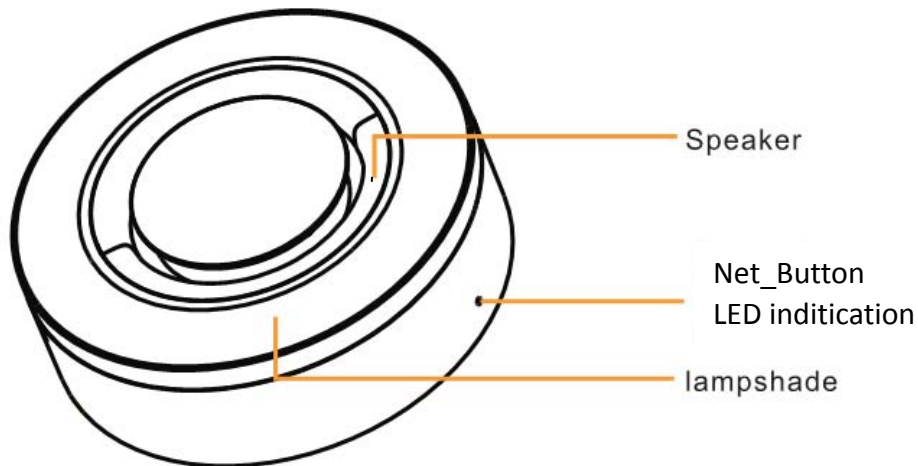


## HS2WD-Z(Smart Siren)

Z-Wave Device  
Guide Document



### Product description

- Smart Siren supports OTA function and S2 encryption function.
  - Product support sound and light alarm.
  - Product is S2 Unauthenticated devices.
  - This device is a security enable Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security enable Z-Wave Plus products.
- Note: A "Security Enable Z-Wave Controller" must be used in order to fully utilize this function.

### 1-Device ADD for Inclusion

- Click [Add] icon in Z-Wave Controller.
- Press the Net\_Button 3 times within 1.5s, Green LED is Blinking 3 times within 1 .5second.
- If add Process is successful, Green LED will turn off.

## 2-Device Remove for Exclusion

- Click [Remove] icon in Z-Wave Controller.
- Press the Net\_Button 3 times within 1.5second.
- If remove Process is successful, Green LED is Blinking 6 times, then turn off.

## 3-Device normal mode

The device is powered on. The red LED is on for two seconds to extinguish. The device is powered on. If the device is added to the gateway, the gateway can control the device alarm and cancel the alarm. When the alarm mode is used, the device emits an alarm sound and the red LED flashes.

### -Backup battery:

The main power of the equipment is cut off, and the backup battery is used to keep the equipment on standby for 4 hours, and then the equipment can also be alarmed for 5 minutes.

## 4-Device Factory Reset

- Long press Net\_Button at least 10 seconds in the product.
- Device Reset Locally notification is Transmitted.

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

## 5-Association & Association Group Information

- Lifeline between controller and HS2WD-Z
- Supported command classes  
Device Reset Locally ,Battery and Switch Binary report.
- Maximum supported node is 5
- Association Group description

Association group 1: Lifeline association group

Include command classes: Switch Binary report ,Battery and Device Reset Locally notification.

## 6-Binary Switch Report

- Gateway can set device alarm and shutdown alarm
- Binary Switch Report is 0xff to set alarm
- Binary Switch Report is set to 0x00 to cancel the alarm

Switch Type	Value	Status
Binary Switch Report	0x00	OFF
	0xFF	ON

## 7-Devices from multiple manufacturers in one network

- This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applicants. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

## 8-Z-Wave Specifications

8.1-Device Type : Switch Binary

8.2-Role Type : AOS (Always on slave)

### 8.3-Command Class Support/Control

8.3.1-Z-Wave plus InfoVersion 2

8.3.2-Switch Binary Version 1

8.3.3-Association Version 2

8.3.4-Association Group Info Version 1

8.3.5-Transport Service Version 2

8.3.6-Version Version 3

8.3.7-Manufacturer Specific Version 2

8.3.8-Device Reset Locally Version 1

8.3.9-Powerlevel Version 1

8.3.10-Battery Version 1

8.3.11-Security Version 1

8.3.12-Security 2 Version 1

8.4.13-Supervision Version 1

8.3.14-Firmware Update Md Version 4

8.3.15-Multi Channel Association Version 3

### 8.4-The below listed Command Class are all Supported the Security S2

8.4.1-Switch Binary Version 1

8.4.2-Association Version 2

8.4.3-Association Group Info Version 1

8.4.4-Version Version 3

8.4.5-Manufacturer Specific Version 2

8.4.6-Device Reset Locally Version 1

8.4.7-Powerlevel Version 1

8.4.8-Battery Version 1

8.4.9-Supervision Version 1

8.4.10-Multi Channel Association Version 3

8.4.11-Firmware Update Md Version 4

## 9-Battery Report description

The battery is transmitted in half an hour

- Battery Report is transmitted when a battery falls less than 0%

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Battery Voltage	Battery Level
3.7V ~ 4.1V	0 ~ 100 (%)
Under 3.7V	0xFF

## 9-Basic Command Class description

-Support command class version is 2 .

-Gateway can set device alarm and shutdown alarm

-Basic Set is 0xff to set alarm

-Basic Set is set to 0x00 to cancel the alarm

<b>Basic Type</b>	<b>Value</b>	<b>Status</b>
Basic Set	0x00	OFF
	0xFF	ON

#### 10-Technical Specifications

<b>Model No.</b>	<b>HS2WD-Z</b>
<b>RF frequency</b>	<b>868.40- 869.85 MHz</b>
<b>RF operating distance</b>	<b>Up to 100m outdoor line of sight Up to 40m indoor</b>
<b>Temperature</b>	<b>-10°C ~ 50°C</b>
<b>Humidity</b>	<b>95% max</b>
<b>Weight</b>	<b>156g</b>