



Wink Siren Wink Siren Manual

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Wink

Wink Siren

SKU: Wink Siren





Quickstart

This is a

Siren
for

U.S. / Canada / Mexico.

Please make sure the internal battery is fully charged.

To add this device to your network execute the following action:

Follow the instructions for your Z-Wave certified Controller to enter inclusion mode. When prompted by the Controller: 1. For proper inclusion, bring the Siren within range of your Controller. 2. Pull the tab on the side of the siren to power on, or remove then re-install the batteries. The LED Ring will flash five times indicating inclusion.

Please refer to the

[Manufacturers Manual](#) for more information.

Important safety information

Please read this manual carefully. Failure to follow the recommendations in this manual may be dangerous or may violate the law.

The manufacturer, importer, distributor and seller shall not be liable for any loss or damage resulting from failure to comply with the instructions in this manual or any other material.

Use this equipment only for its intended purpose. Follow the disposal instructions.

Do not dispose of electronic equipment or batteries in a fire or near open heat sources.

What is Z-Wave?

Z-Wave is the international wireless protocol for communication in the Smart Home. This device is suited for use in the region mentioned in the Quickstart section.

Z-Wave ensures a reliable communication by reconfirming every message (**two-way communication**) and every mains powered node can act as a repeater for other nodes (**meshed network**) in case the receiver is not in direct wireless range of the transmitter.



This device and every other certified Z-Wave device can be **used together with any other certified Z-Wave device regardless of brand and origin** as long as both are suited for the same frequency range.

If a device supports **secure communication** it will communicate with other devices secure as long as this device provides the same or a higher level of security. Otherwise it will automatically turn into a lower level of security to maintain backward compatibility.

For more information about Z-Wave technology, devices, white papers etc. please refer to www.z-wave.info.

Product Description

The Wink Siren is a Z-Wave Plus battery-powered device that will sound an alarm, chime, and flash a built-in light to let you know when doors and windows open or when motion is detected in your home. The sirens multi-purpose functionality of an alarm siren, doorbell, or chime notification can be turned on and off manually or automatically from your smartphone using a Wink Hub or other Z-Wave Plus certified hub. The Wink Siren offers ten user selectable sounds for alarm and chime, with three volume levels (up to 105dB) and adjustable siren duration timeout. Additional visual notification is provided by built-in flashing blue LEDs when triggered. The Wink Siren offers an extra-long z-wave wireless range of up to 150 feet, so you can place it in your home where its needed, and requires a Wink Hub or other Z-Wave Plus certified hub for operation. The siren comes with two CR123A 3.0V batteries and has a three-year battery life, and will send an alert to your smartphone when the device has low battery. Z-Wave Plus Certified Requires a Z-Wave Plus Certified Hub to operate Works with all Z-Wave Plus compatible networks 110 Extra-Wide Coverage Area Up to 150 feet range Three-Year Battery Life (Two CR123 Batteries included) Low Battery Indication Measurements in millimeters: 64.3 x 64.3 x 30.1

Prepare for Installation / Reset

Please read the user manual before installing the product.

In order to include (add) a Z-Wave device to a network it **must be in factory default state**. Please make sure to reset the device into factory default. You can do this by

performing an Exclusion operation as described below in the manual. Every Z-Wave controller is able to perform this operation however it is recommended to use the primary controller of the previous network to make sure the very device is excluded properly from this network.

Reset to factory default

This device also allows to be reset without any involvement of a Z-Wave controller. This procedure should only be used when the primary controller is inoperable.

To disconnect from the Z-Wave Network and restore factory default settings:1. Remove the Back Plate and make sure the Siren is powered.1. Hold the Connect Button for 10 seconds until the LED Ring blinks once, then release the button.Only do this if the controller is missing or otherwise unreachable!

Inclusion/Exclusion

On factory default the device does not belong to any Z-Wave network. The device needs to be **added to an existing wireless network** to communicate with the devices of this network. This process is called **Inclusion**.

Devices can also be removed from a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller is turned into exclusion respective inclusion mode. Inclusion and Exclusion is then performed doing a special manual action right on the device.

Inclusion

Follow the instructions for your Z-Wave certified Controller to enter inclusion mode.When prompted by the Controller:1. For proper inclusion, bring the Siren within range of your Controller.2. Pull the tab on the side of the siren to power on, or remove then re-install the batteries.The LED Ring willflashfive times indicating inclusion.

Exclusion

Follow the instructions for your Z-Wave certified Controller to enter exclusion mode.When prompted by the Controller:1. Remove the Back Plate of the Siren and be sure it is powered on2. Press the Connect Button quickly 3 times in a row.The LED Ring will flash five times indicating exclusion/disconnection.

Quick trouble shooting

Here are a few hints for network installation if things dont work as expected.

1. Make sure a device is in factory reset state before including. In doubt exclude before include.
2. If inclusion still fails, check if both devices use the same frequency.
3. Remove all dead devices from associations. Otherwise you will see severe delays.
4. Never use sleeping battery devices without a central controller.
5. Dont poll FLIRS devices.
6. Make sure to have enough mains powered device to benefit from the meshing

Association – one device controls an other device

Z-Wave devices control other Z-Wave devices. The relationship between one device controlling another device is called association. In order to control a different device, the controlling device needs to maintain a list of devices that will receive controlling commands. These lists are called association groups and they are always related to certain events (e.g. button pressed, sensor triggers, ...). In case the event happens all devices stored in the respective association group will receive the same wireless command wireless command, typically a 'Basic Set' Command.

Association Groups:

Group NumberMaximum NodesDescription

1	5	Group 1 is the Lifeline group, which can hold five members, typically including the main Z-Wave controller. The Siren sends this group a Notification Report and a Binary Switch Report when the siren is turned on or off. It also sends this group a Battery Report in response to Battery Get commands and a Locally Reset Notification upon local reset.
2	5	Group 2 can hold five members, and the Siren sends a single command to this Association Group, the Binary Switch Report, whenever the Siren is turned on or off.
3	5	Group 2 can hold five members, and the Siren sends a single command to this Association Group, a Notification Report, whenever the Siren is turned on or off.

Configuration Parameters

Z-Wave products are supposed to work out of the box after inclusion, however certain configuration can adapt the function better to user needs or unlock further enhanced features.

IMPORTANT: Controllers may only allow configuring signed values. In order to set values in the range 128 ... 255 the value sent in the application shall be the desired value minus 256. For example: To set a parameter to 200 it may be needed to set a value of 200 minus 256 = minus 56. In case of a two byte value the same logic applies: Values greater than 32768 may needed to be given as negative values too.

Parameter 1: Primary Notification Volume Level

This parameter sets the volume of the Siren (primary) sound. There are three possible volume levels available.
Size: 1 Byte, Default Value: 2

SettingDescription

1	Low Volume
2	Medium Volume
3	High Volume

Parameter 2: Primary Notification Length

This parameter defines the length of the Alarm/primary notification.
Size: 1 Byte, Default Value: 2

SettingDescription

-1	Plays until battery dies
1	30 Sec
2	1 Min
3	5 Min

Parameter 3: Secondary Notification Length

This parameter defines the length of the Chime/secondary notification.

Size: 1 Byte, Default Value: 1

SettingDescription

-128 – -2	Chime Duration (in Minutes; -128=128 min, -2=254 min)
-1	Chime Will Not Play
0	Does Not Stop
1 – 127	Chime Duration (in Minutes)

Parameter 4: Secondary Notification Volume Level

This parameter sets the volume of the Chime (secondary) sound. There are three possible volume levels available.

Size: 1 Byte, Default Value: 2

SettingDescription

1	Low Volume
2	Medium Volume
3	High Volume

Parameter 5: Primary Notification Sound

The Siren offers ten different sounds to use as the Siren (primary) notification. This parameter sets the Siren (primary) notification sound.

Size: 1 Byte, Default Value: 9

SettingDescription

1 – 10	Tone Index Number
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Parameter 6: Secondary Notification Sound

If Parameter 7 is set to 02, the Siren will play a secondary chime sound instead of the main alarm. The Siren offers ten different sounds to use as the Chime (secondary) notification. This parameter sets the Chime (secondary) notification sound.

Size: 1 Byte, Default Value: 10

SettingDescription

1 – 10	Tone Index Number
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Parameter 7: Toggle Secondary Chime

This Parameter toggles between the Primary and Secondary notification sound to be played when the Siren receives a BINARY_SWITCH_SET(FF) command.

Size: 1 Byte, Default Value: 1

SettingDescription

1	Primary Notification Will Play
2	Secondary Notification Will Play

Technical Data

Hardware Platform	ZM5202
Device Type	Siren
Network Operation	Listening Sleeping Slave
Firmware Version	HW: 48 FW: 2.65
Z-Wave Version	6.51.08
Certification ID	ZC10-17065664
Z-Wave Product Id	0x017F.0x0200.0x0001
Supported Notification Types	
Color	
Frequency	XXfrequency
Maximum transmission power	XXantenna

Supported Command Classes

- Association Grp Info
- Association V2
- Basic
- Battery
- Configuration
- Device Reset Locally
- Manufacturer Specific V2
- Notification V6
- Powerlevel
- Switch Binary
- Version V2
- Zwaveplus Info V2

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabilities to manage the network.
Controllers are typically Gateways, Remote Controls or battery operated wall controllers.
- **Slave** — is a Z-Wave device without capabilities to manage the network.
Slaves can be sensors, actuators and even remote controls.
- **Primary Controller** — is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** — is the process of adding new Z-Wave devices into a network.
- **Exclusion** — is the process of removing Z-Wave devices from the network.
- **Association** — is a control relationship between a controlling device and a controlled device.
- **Wakeup Notification** — is a special wireless message issued by a Z-Wave

device to announces that is able to communicate.

- **Node Information Frame** — is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.

[Manuals+](#).