

AXIS Alert Button User Manual

[Home](#) » [AXIS](#) » **AXIS Alert Button User Manual**

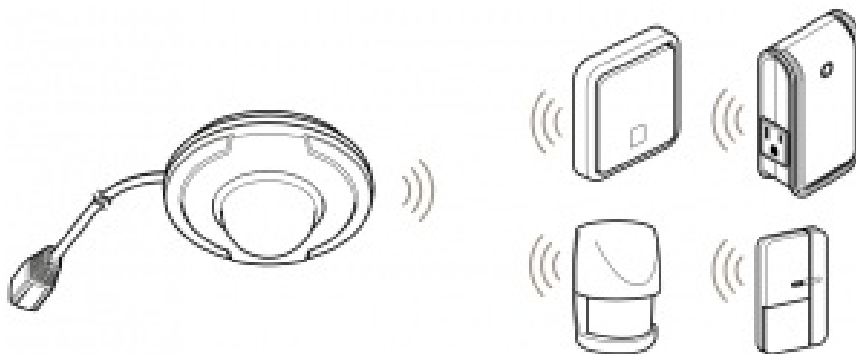
AXIS Alert Button



Contents [[hide](#)]

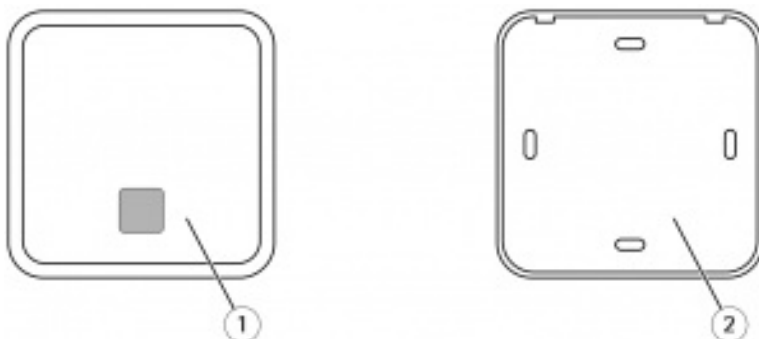
- [1 Solution Overview](#)
- [2 How to add a device to a Z-Wave Network](#)
- [3 How to test the Z-Wave device](#)
- [4 How to program the Z-Wave device](#)
- [5 Troubleshooting](#)
- [6 Specifications](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)
- [8 Related Posts](#)

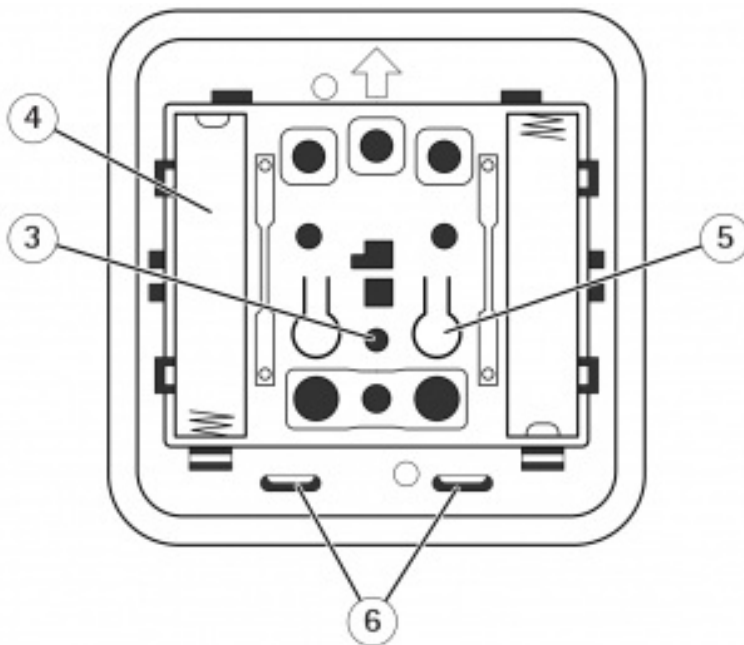
Solution Overview



The device is Z-Wave® enabled and fully compatible with any Z-Wave enabled network. The device can be set up in a Z-Wave network to communicate directly with other end-devices such as lighting controllers, or to report directly to a Z-Wave controller, such as AXIS M5065 PTZ Network Camera.

1. Alert button
2. Rear cover
3. LED indicator
4. Battery compartments
5. Link button
6. Rear cover latch





How to add a device to a Z-Wave Network

Auto-inclusion

The detector supports the auto-inclusion feature, where it will automatically enter learning mode (inclusion/exclusion) when first powered up.

1. Carefully remove the front cover by pulling the bottom of the front cover.
2. Put a Z-Wave controller into inclusion mode.
3. Insert 2 AAA-batteries (1,5V) into the battery compartment with the correct polarity. The LED on the device should turn ON.
4. Enter the PIN number into the Z-Wave controller. See the installation guide for where to find the PIN number on the device.
5. The inclusion process should be completed when the LED stops blinking.
6. Perform a test before you refit the battery cover. See How to test the Z-Wave Device.

Manual inclusion

You can also choose to manually add the Z-Wave device to a control device. Follow the steps below.

Note

For best results, exclude the device before starting the inclusion process. See Manual exclusion

1. Carefully remove the front cover by pulling the bottom of the front cover. You will now see the link button, which is used to put the device into learning mode (inclusion/exclusion).
2. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.
3. Enter the PIN number into the Z-Wave controller. See the installation guide for where to find the PIN number on the device.
4. The inclusion process should be completed when the LED stops blinking.
5. Perform a test before you refit the battery cover. See How to test the Z-Wave Device.

Manual exclusion

1. Detach the front cover.
2. Press the link button 3 times within 1.5 seconds to put the unit into learning (inclusion/exclusion) mode.
3. The exclusion process should be completed when the LED stops blinking.
4. Refit the front cover.

How to test the Z-Wave device

For the alert button to control other devices, an action rule needs to be created on the Z-Wave controller. Action rules are user-defined elements in the controller that determine what action(s) to take when an event occurs. The alert button triggers the event for the action rule, which then controls other devices such as plugs or dimmers, or activates an alarm. An alarm is triggered after a short press of the alert button. To disarm, press for 10 seconds.

After you have included the device in the network with the Z-Wave controller, the alert button will send data about its battery power to the controller after about 2 minutes. After that, it will only send data when the button is pressed.

Note

Programming Z-Wave devices using a Z-Wave controller is recommended for experienced users only.

Z-Wave Group

The device supports two different Z-Wave Association Groups:

- **Group 1:** Association with 1 Controller node.
- **Group 2:** Association with 4 nodes (i.e. end-devices such as smart plugs and other lighting controllers). This allows the device to send commands directly to other devices without the participation of the controller. This has the effect that when the device triggers, all other associated devices will also be operated.

Note

Association group support can vary among Z-Wave Controllers. The AXIS M5065 supports Z-Wave Association Group 1.

Group 1 commands:

- When device status changes, the unit will send a Notification command to the node in Group 1.
- When device status changes, the unit will check its battery status. When the battery level of the unit drops to an unacceptable level, the unit will emit a notification report to the nodes in

Group 1.

- When you perform a factory reset, the unit will send a Device Reset Locally notification to the node in Group1.

Group 2 commands:

- When the Up key is pressed, the unit will send a BASIC SET command containing an adjustable value to the

nodes in Group

2. When the Down key is pressed, a BASIC_SET command will also be sent to the nodes in Grouping 2.

Z-Wave Plus® info

Role type	Node type	Installer Icon	User Icon
Slave Sleeping report	Z-Wave Plus node	Notification Sensor	Notification Sensor

Version

Protocol library	3 (Slave_Enhance_232_Library)
Protocol version	4.61(6.71.01)

Manufacturer

Manufacturer ID	Product Type	Product ID
0x0364	0x0004	0x0001

AGI (Association Group Information) table

Group	Profile	Command Class & Command (List) N bytes	Group Name (UTF-8)
1	General	Notification Report Device Reset Locally Notification	Lifeline
2	Control	Basic Set	PIR Control

Notification

Event	Type	Event	Event Parameters Length	Event Parameters
Program started	0x0C	0x01	null	
Program completed	0x0C	0x03	null	
Power is applied for the first time	0x08	0x01	null	

Battery

Battery Report (value)	Description
0xFF	Battery is low

Command classes

This product supports the following command classes:

- COMMAND_CLASS_ZWAVEPLUS_INFO_V2
- COMMAND_CLASS_ASSOCIATION_V2
- COMMAND_CLASS_ASSOCIATION_GRP_INFO
- COMMAND_CLASS_TRANSPORT_SERVICE_V2
- COMMAND_CLASS_VERSION_V2
- COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
- COMMAND_CLASS_DEVICE_RESET_LOCALLY
- COMMAND_CLASS_POWERLEVEL
- COMMAND_CLASS_SECURITY
- COMMAND_CLASS_SECURITY_2
- COMMAND_CLASS_SUPERVISION
- COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4
- COMMAND_CLASS_BATTERY
- COMMAND_CLASS_WAKE_UP_V2
- COMMAND_CLASS_NOTIFICATION_V4

Wake-up command class

After the detector has been included in a Z-Wave network it will go to sleep, but will periodically send a wake-up notification command to the controller at a preset period. The detector will stay awake for at least 10 seconds and then go back to sleep, to conserve battery life.

The time interval between wake-up notification commands can be set in the wake-up command class, based on the range values below:

How to program the Z-Wave device

Minimum wake-up interval	600s (10 minutes)
Maximum wake-up interval	86400s (1 day)
Default wake-up interval	14400s (4 hours)
Wake-up interval step seconds	600s (10 minutes)

Troubleshooting

If you can't find what you're looking for here, try the troubleshooting section at axis.com/support

Action/Status	Description	LED indication
No node ID.	The Z-Wave controller could not find the device and did not provide a node ID.	2 seconds on, 2 seconds off, for 2 minutes.
Factory Reset (This procedure should only be used when the controller is inoperable.)	1. Press the link button 3 times within 1.5 seconds to put the device into exclusion mode.	
	2. Within 1 second of step 1, press the link button again and hold for 5 seconds.	
	3. Node ID is excluded. The device reverts to factory default state.	2 seconds on, 2 seconds off, for 2 minutes.
Failure or success in including/excluding the ID can be viewed on the Z-Wave Controller.		

The table below lists typical problems encountered:

Symptom	Possible Cause	Recommendation
Cannot perform inclusion and association.	<ol style="list-style-type: none"> 1. The device is still connected, or has been accidentally included in a previous network. 2. The entered PIN code is incorrect. 3. The battery has run out of power. 4. Battery polarity is reversed. 	<ol style="list-style-type: none"> 1. Exclude the device before including it again. 2. Make sure you entered the correct PIN code. 3. Replace the battery. 4. Refit the battery with the correct polarity.
When Alert Button is pressed, the LED illuminates, but the receiver(s) have no response.	<ol style="list-style-type: none"> 1. The device is still connected, or has been accidentally included in a previous network. 2. The distance between the alert button and the receiver(s) is too great. 3. The batteries have run out of power. 	<ol style="list-style-type: none"> 1. Exclude the device before including it again. 2. Move the device closer to the receivers. 3. Replace the batteries.

Note

For best results, exclude the device before starting the inclusion process. For more details see the installation guide.

Specifications

To find the latest version of the product's datasheet, go to the product page at axis.com and locate Support & Documentation. Specifications


Battery	AAA Battery x2
Battery life	1 year*
Range	Up to 100m (328 ft) line of sight
Operating frequency	908.42 MHz (US), 922.5 MHz (JP), 868.42 MHz (EU)
FCC ID	FU5AC136

Specifications are subject to change without notice.




* measured at 1 trigger per day



Documents / Resources

	AXIS Alert Button [pdf] User Manual T8343 Alert Button
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References

-  [Axis Communications - Leader in network cameras and other IP networking solutions | Axis Communications](#)
-  [Welcome to Axis support | Axis Communications](#)
-  [Axis T8343 Alert Button 01204-002](#)