

Zūm Wired Presence Detectors with Link Communication

STEINEL™ presence detectors with Zūm® Link wired communication are part of a system designed to provide sophisticated lighting control with simple installation. A wired solution for Zūm commercial lighting systems, the presence detectors communicate via [CBL-CAT5E-ZUMLINK-P](#) cable (sold separately) which allow for in-room device daisy-chaining to other Zūm Link devices (such as the [ZUMLINK-KP](#) keypad or Zūm Link [load controllers](#)). The presence detectors are equipped with a daylight sensor and mount directly to the ceiling or via a junction box (not included). The RLY presence detectors also have a three-wire output relay to connect to a relay-input capable device, such as an HVAC call system.

All Zūm Link Wired Presence Detectors are functionally similar. For simplicity within this guide, the term "presence detectors" is used except where otherwise noted. For more information about the presence detectors for wired applications, refer to the following product pages.



In the Box

- 1 Zūm Wired Presence Detectors with Link Communication

Presence Detector with Daylight Sensing

- [ZUMLINK-IR-QUATTRO-DLS](#) with passive infrared technology
- [ZUMLINK-DT-QUATTRO-DLS](#) with passive infrared and ultrasonic technology
- [ZUMLINK-US-QUATTRO-DLS](#) with ultrasonic technology
- [ZUMLINK-IR-QUATTRO-HD-DLS](#) with high-definition, passive infrared technology
- [ZUMLINK-US-HALLWAY-DLS](#) with ultrasonic technology and bidirectional detection for hallways
- [ZUMLINK-US-ONEWAY-DLS](#) with ultrasonic technology and unidirectional detection for hallways

Presence Detector with Daylight Sensing and Output Relay

- [ZUMLINK-IR-QUATTRO-DLS-RLY](#) with passive infrared technology
- [ZUMLINK-DT-QUATTRO-DLS-RLY](#) with passive infrared and ultrasonic technology
- [ZUMLINK-US-QUATTRO-DLS-RLY](#) with ultrasonic technology
- [ZUMLINK-IR-QUATTRO-HD-DLS-RLY](#) with high-definition, passive infrared technology
- [ZUMLINK-US-HALLWAY-DLS-RLY](#) with ultrasonic technology and bidirectional detection for hallways
- [ZUMLINK-US-ONEWAY-DLS-RLY](#) with ultrasonic technology and unidirectional detection for hallways

Zūm Wired Presence Detectors with Link Communication

**ZUMLINK-IR-QUATTRO-DLS and
ZUMLINK-IR-QUATTRO-DLS-RLY**



**ZUMLINK-IR-QUATTRO-HD-DLS and
ZUMLINK-IR-QUATTRO-HD-DLS-RLY**



**ZUMLINK-DT-QUATTRO-DLS and
ZUMLINK-DT-QUATTRO-DLS-RLY**



**ZUMLINK-US-HALLWAY-DLS and
ZUMLINK-US-HALLWAY-DLS-RLY**



**ZUMLINK-US-QUATTRO-DLS and
ZUMLINK-US-QUATTRO-DLS-RLY**



**ZUMLINK-US-ONEWAY-DLS and
ZUMLINK-US-ONEWAY-DLS-RLY**



Zūm Wired Presence Detectors with Link Communication

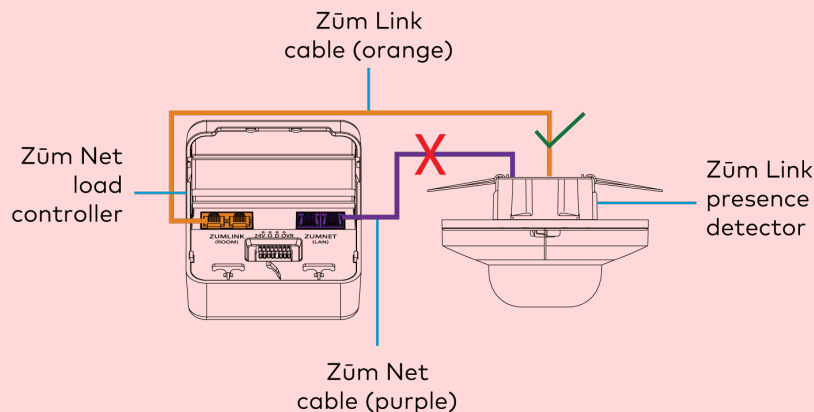


Installation

The presence detectors can be mounted to a junction box (not included) or directly to a ceiling. Before mounting, make sure the backplate is separated from the presence detectors. Refer to [Remove or Attach the Backplate](#).

WARNINGS:

- To avoid fire, shock, or death, turn off the power at the circuit breaker or fuse and test that the power is off before wiring!
- Do **NOT** connect standard Ethernet ports on network-based devices to the orange Zūm Link ports on any Zūm Link or Zūm Net device. Also, do **NOT** connect the purple Zūm Net ports on the Zūm Net device to the orange Zūm Link ports on any Zūm Link device. These connections may damage network devices.



NOTES:

- Install and use this product in accordance with appropriate electrical codes and regulations.
- A licensed electrician should install this product.

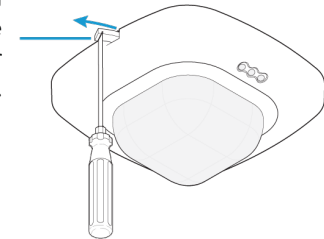
Remove or Attach the Backplate

To remove the backplate from the presence detector:

1. Locate the two sliding tabs on opposite sides of the presence detector.
2. Extend the sliding tabs out of the housing. A flat-head screwdriver can be used.

Once both sliding tabs are exposed, the presence detector releases from the backplate.

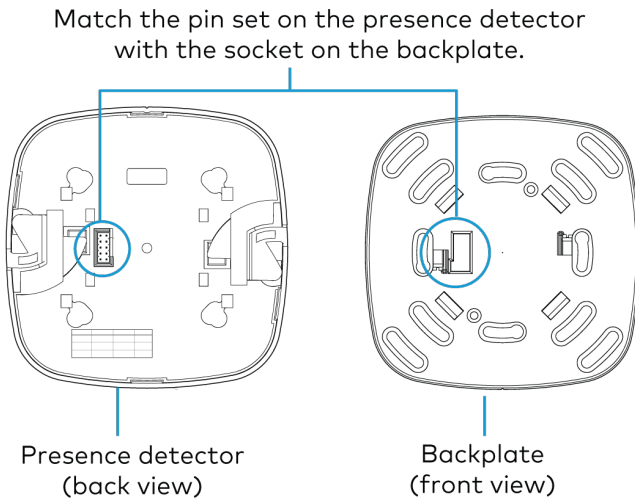
Pull out the sliding tabs (2) to release the presence detector from the backplate.



Zūm Wired Presence Detectors with Link Communication

To attach the backplate to the presence detector:

1. Ensure the sliding tabs are extended out of the housing.
2. Align the pins on the back of the presence detector with the socket on the backplate and press.



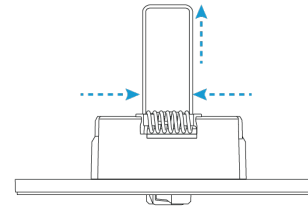
3. Push both sliding tabs back into the housing

Junction Box Mounting

The presence detectors are compatible with 4 in. square junction boxes, 4 in. round junction boxes, and 3 in. mud rings (not included). After the junction box is installed, follow the procedure for mounting the presence detectors.

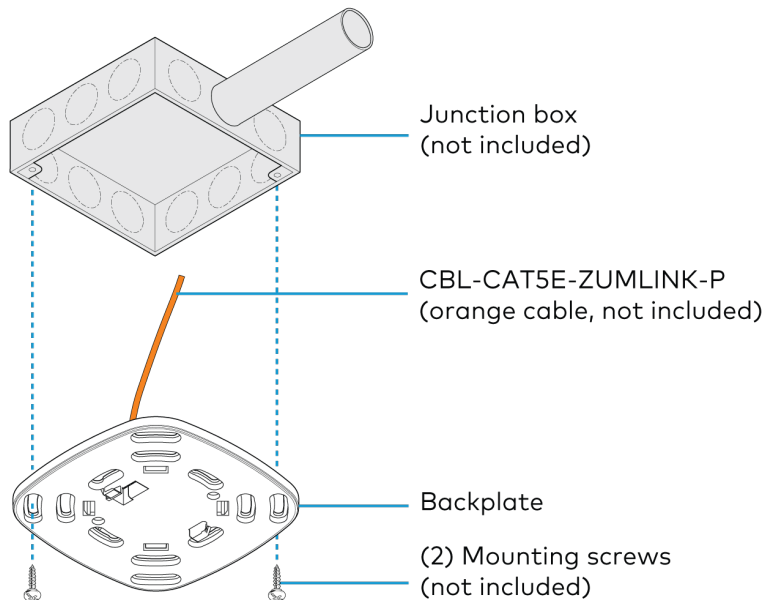
1. Install the junction box according to its requirements.
2. Remove the backplate from the presence detector. Refer to [Remove or Attach the Backplate](#).

3. Remove both spring tabs from the backplate. Use your fingers or needle-nose pliers.
 - a. Pinch one spring tab to minimize it's width.
 - b. Carefully lift the spring out of the housing.
 - c. Repeat the process with the other spring tab.
 - d. Discard the spring tabs.

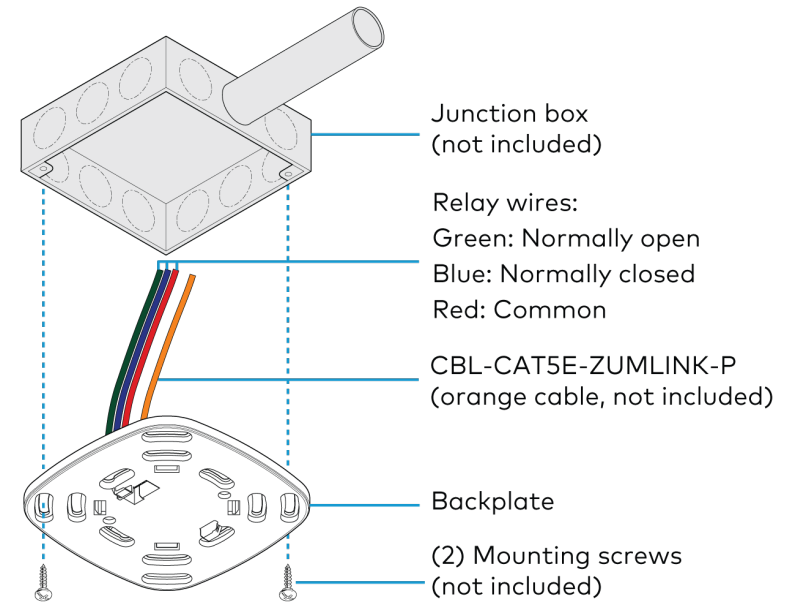


Zūm Wired Presence Detectors with Link Communication

4. Feed the CBL-CAT5E-ZUMLINK-P cable through the junction box or mud ring, and connect it to the Zūm Link Presence Detectors backplate.



For presence detectors with additional output relays, connect the relays to a relay-input capable device before mounting the backplate to the junction box or mud ring.



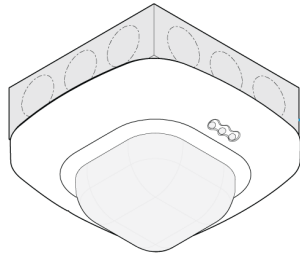
Relay connection applicable for the following presence detectors:

- ZUMLINK-IR-QUATTRO-DLS-RLY
- ZUMLINK-DT-QUATTRO-DLS-RLY
- ZUMLINK-US-QUATTRO-DLS-RLY
- ZUMLINK-IR-QUATTRO-HD-DLS-RLY
- ZUMLINK-US-HALLWAY-DLS-RLY
- ZUMLINK-US-ONEWAY-DLS-RLY

5. Using two mounting screws (not included), attach the back plate to the electrical box or mud ring.

Zūm Wired Presence Detectors with Link Communication

6. Attach the presence detector to the backplate. Refer to [Remove or Attach the Backplate](#).



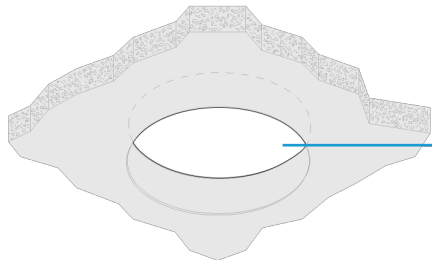
Mounted presence detector
(QUATTRO shown)

7. Wire the presence detector according to the [Zūm Wired System Diagram](#)

Ceiling Mounting

A mounting hole 2.69 in. (68 mm) to 3 in. (76 mm) in diameter must be cut before mounting the presence detector to the ceiling.

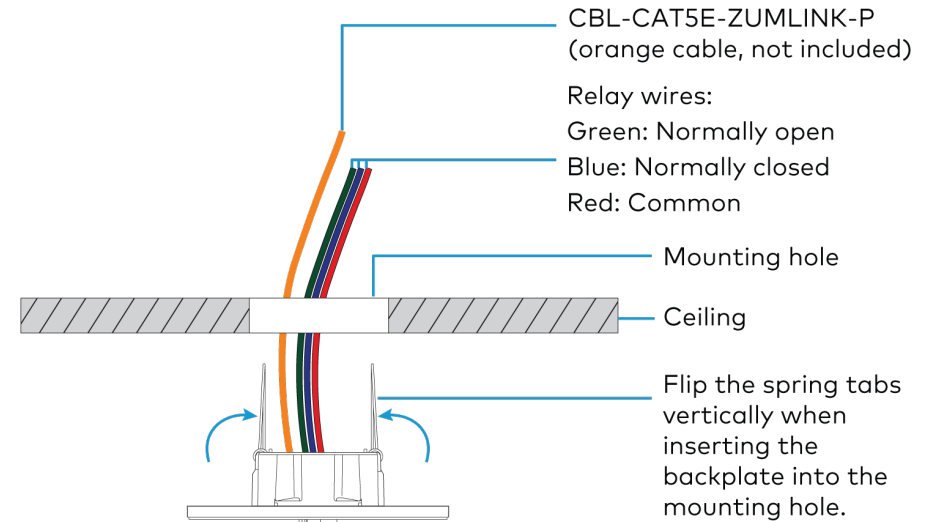
1. Cut a mounting hole that is 2.69 in. (68 mm) to 3 in. (76 mm) in diameter.



Mounting hole diameter:
2.69 in. (68 mm) to 3 in. (76 mm)

2. Feed the CBL-CAT5E-ZUMLINK-P cable through the mounting hole, and connect it to the Zūm Link Presence Detectors backplate.

For presence detectors with additional output relays, connect the relays to a relay-input capable device before mounting the backplate to the mounting hole.

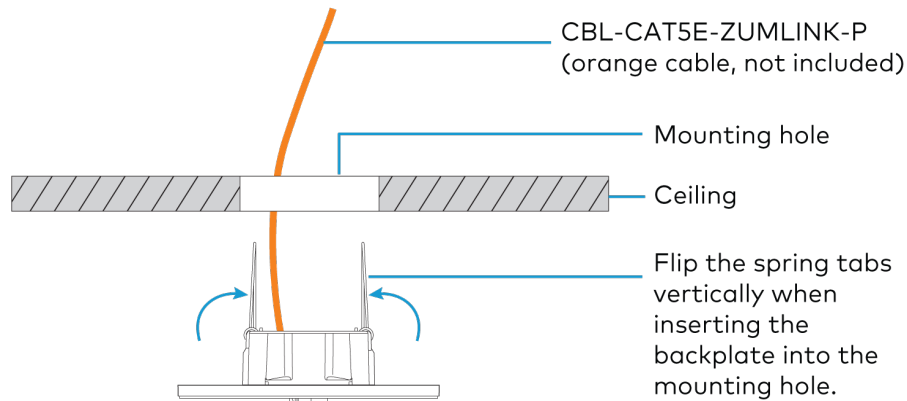


Relay connection applicable for the following presence detectors:

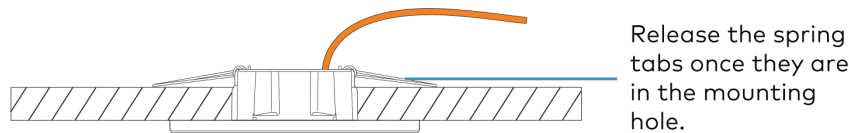
- ZUMLINK-IR-QUATTRO-DLS-RLY
- ZUMLINK-DT-QUATTRO-DLS-RLY
- ZUMLINK-US-QUATTRO-DLS-RLY
- ZUMLINK-IR-QUATTRO-HD-DLS-RLY
- ZUMLINK-US-HALLWAY-DLS-RLY
- ZUMLINK-US-ONEWAY-DLS-RLY

Zūm Wired Presence Detectors with Link Communication

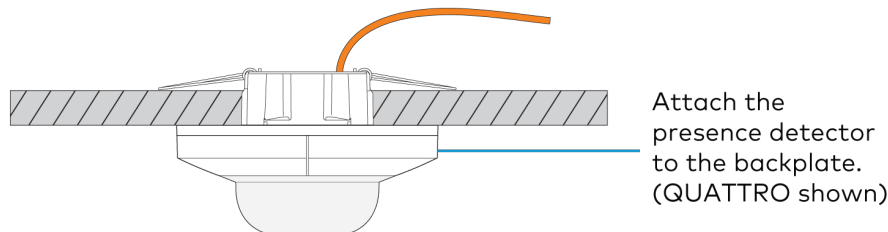
- Flip the backplate spring tabs to the vertical position and insert them into the mounting hole.



When the spring tabs release, they snap back down to secure the backplate to the ceiling.

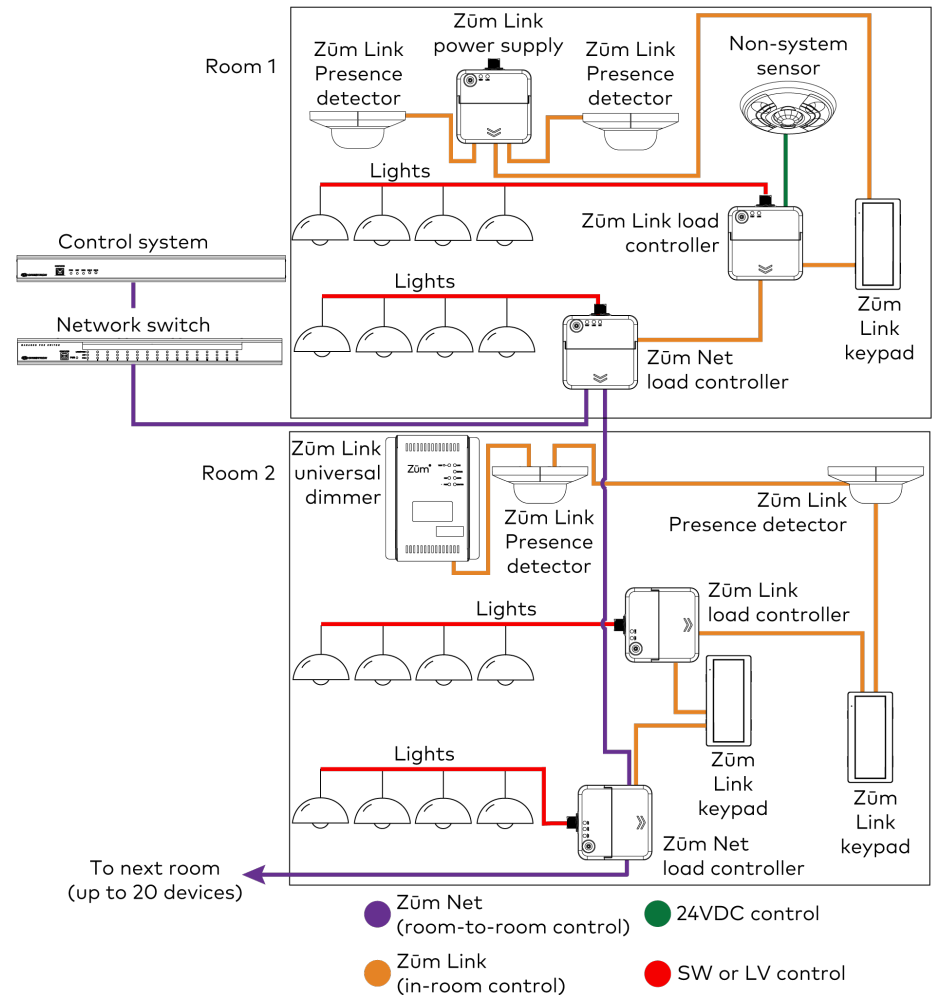


- Attach the presence detector to the backplate. Refer to [Remove or Attach the Backplate](#).



- Wire the presence detector according to the [Zūm Wired System Diagram](#)

Zūm Wired System Diagram



Zūm Wired Presence Detectors with Link Communication

NOTES:

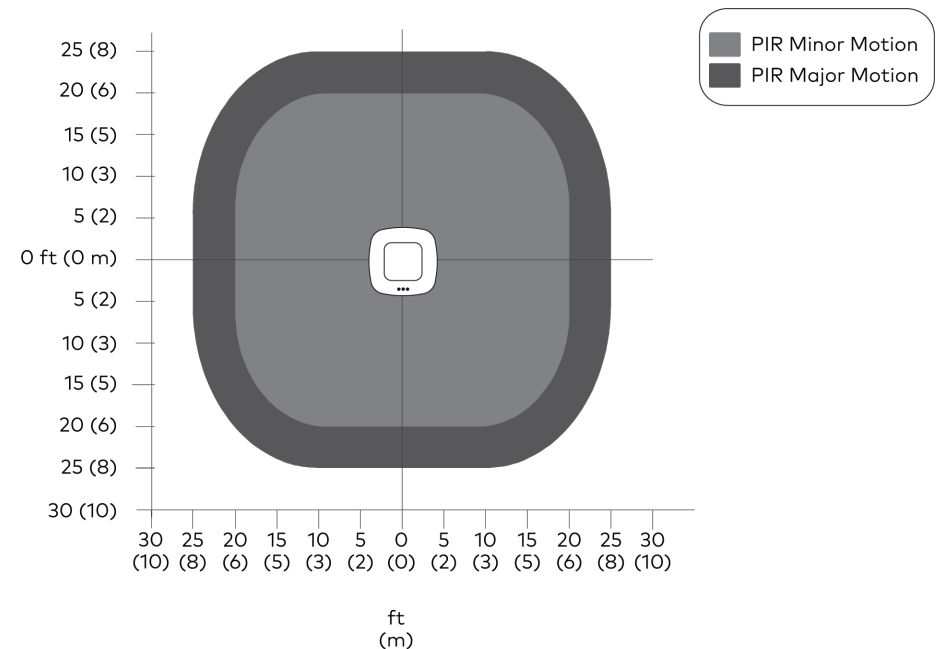
- Daisy-chain up to 20 Zūm Net devices (up to 328 ft (100 m) between Zūm Net devices) with purple CBL-CAT5E-ZUMNET-P RJ-45 cables (sold separately).
- Do not exceed three network switches between a ZUM-HUB4 and a Zūm Net device.
- System sensors communicate digitally via Zūm Link. Non-system sensors communicate via an analog connection on a Zūm Wired load controller.

Beam Pattern Coverage

NOTE: Detection along the far edge of the detection range may be inconsistent.

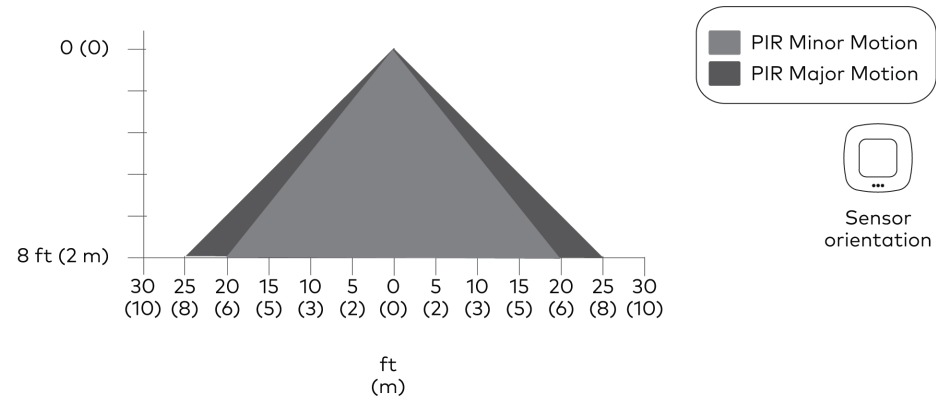
ZUMLINK-IR-QUATTRO-HD-DLS/ ZUMLINK-IR-QUATTRO-HD-DLS-RLY

Top View



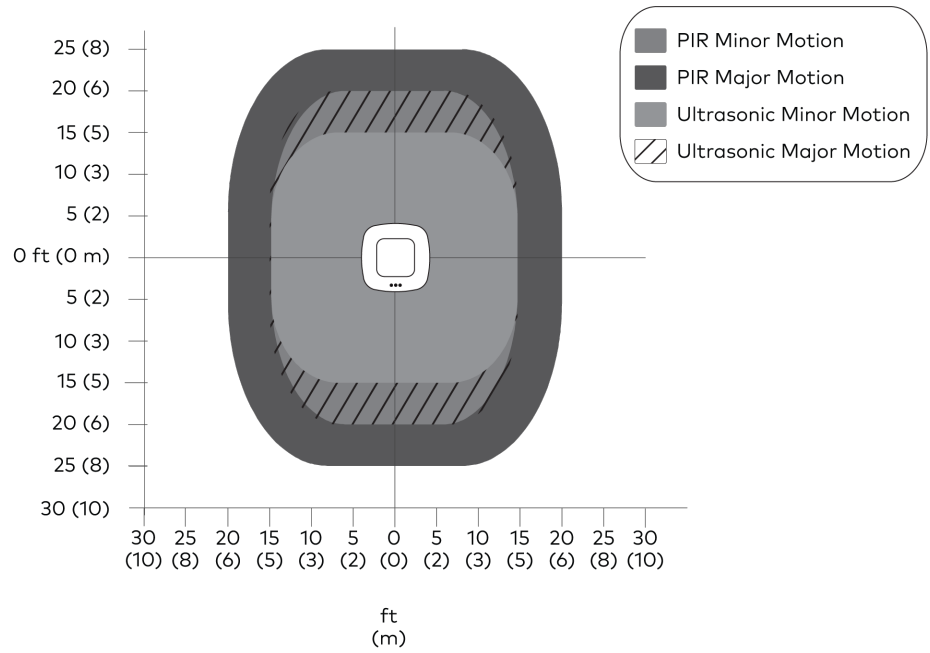
Zūm Wired Presence Detectors with Link Communication

Side View



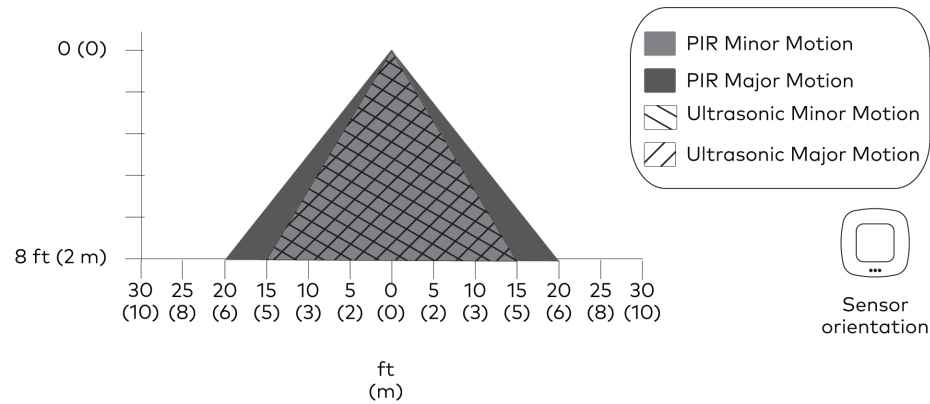
ZUMLINK-DT-QUATTRO-DLS/
ZUMLINK-DT-QUATTRO-DLS-RLY

Top View

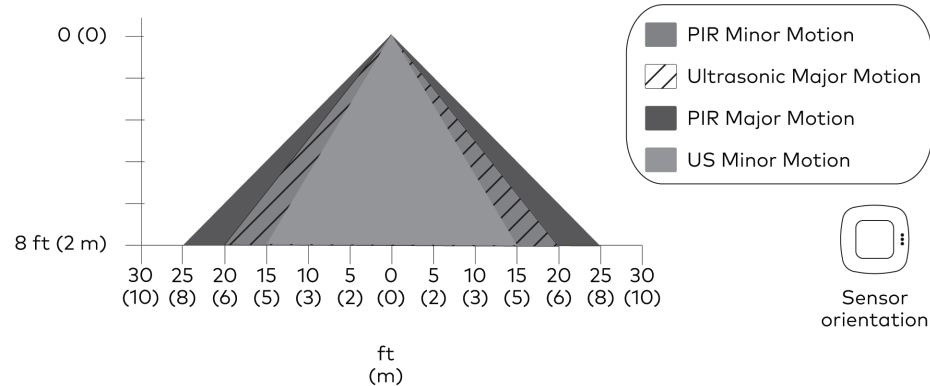


Zūm Wired Presence Detectors with Link Communication

Side View Sensor Orientation A

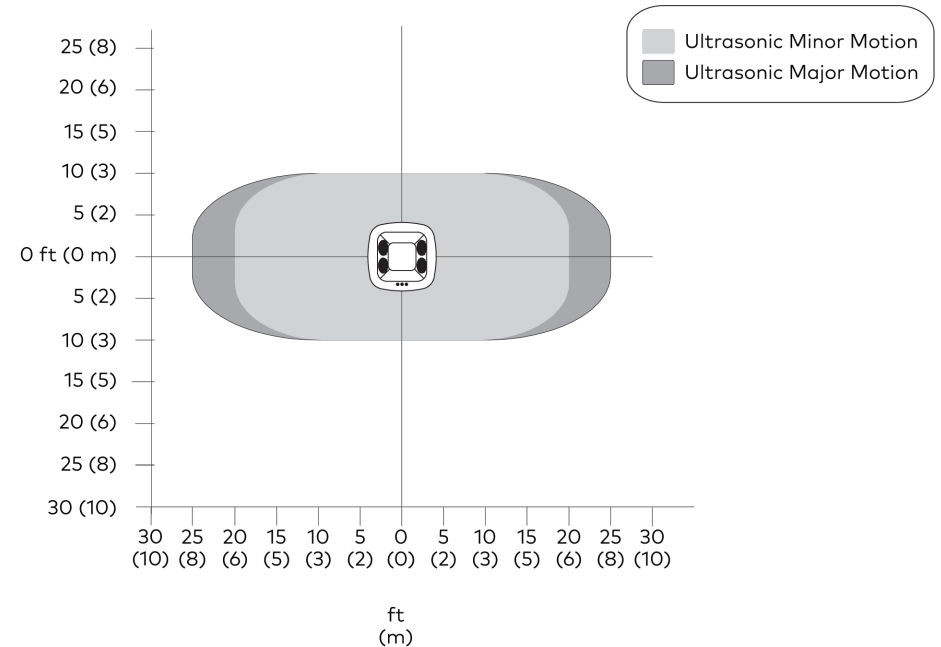


Side View Sensor Orientation B



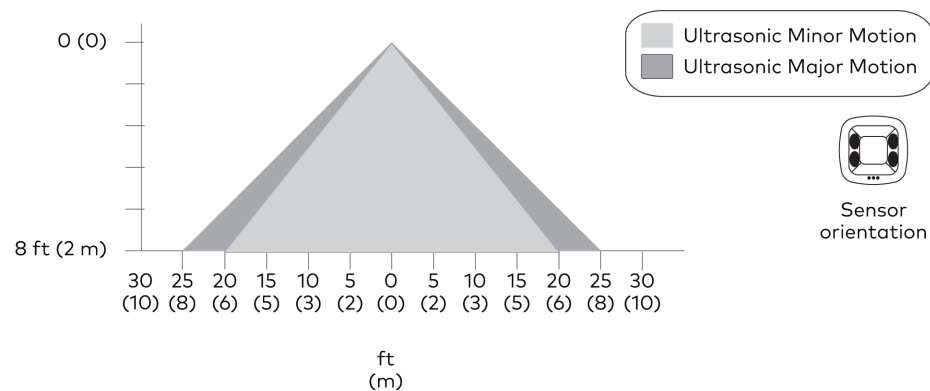
ZUMLINK-US-HALLWAY-DLS/ ZUMLINK-US-HALLWAY-DLS-RLY

Top View

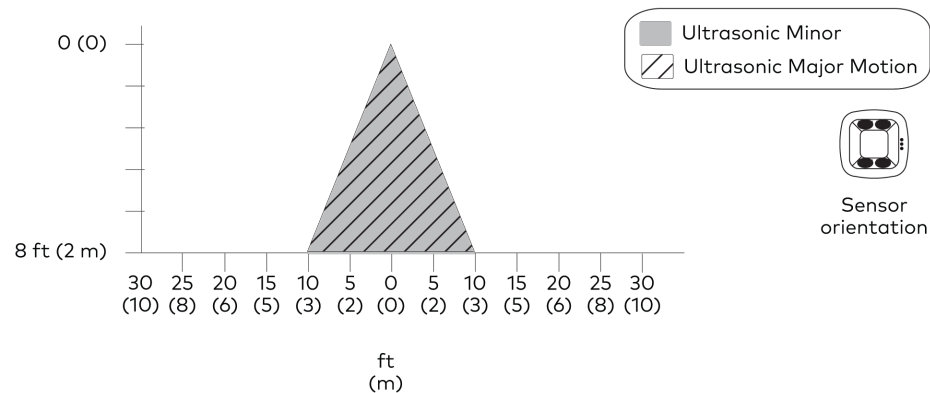


Zūm Wired Presence Detectors with Link Communication

Side View Sensor Orientation A

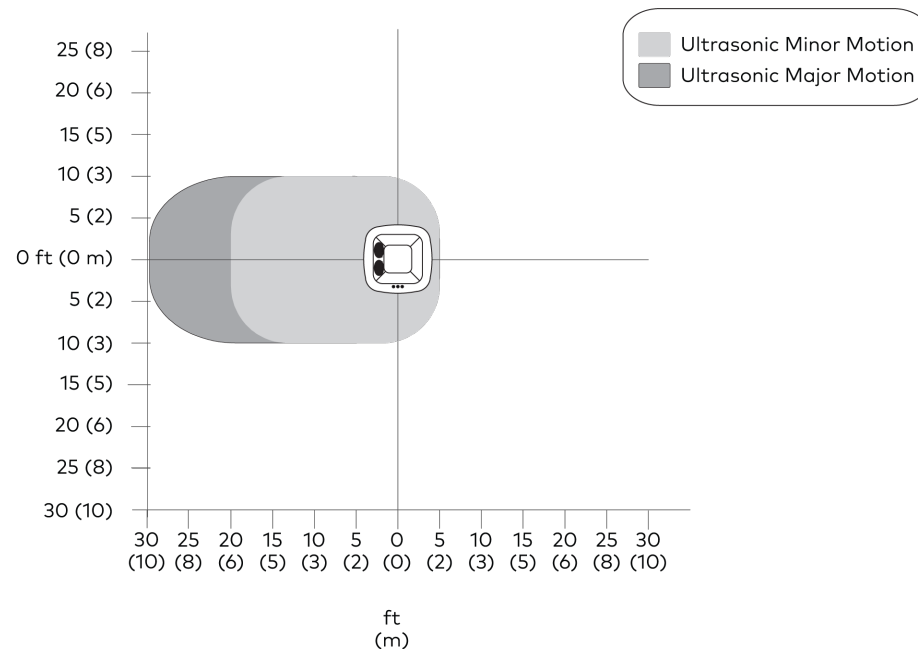


Side View Sensor Orientation B



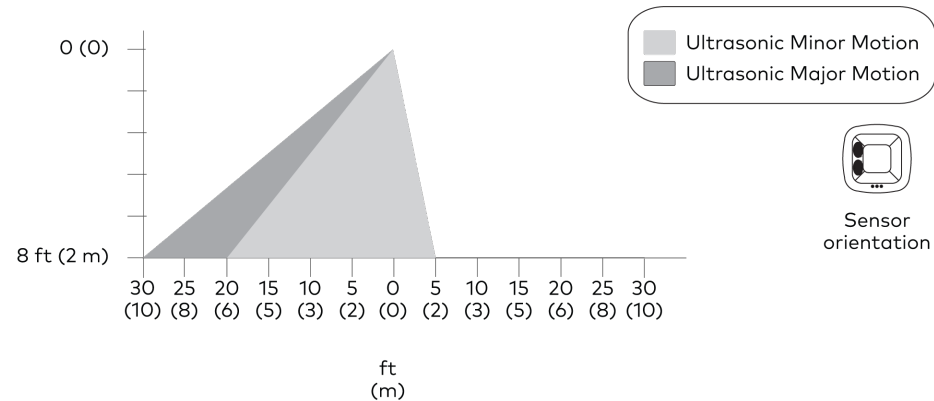
ZUMLINK-US-ONEWAY-DLS/ ZUMLINK-US-ONEWAY-DLS-RLY

Top View

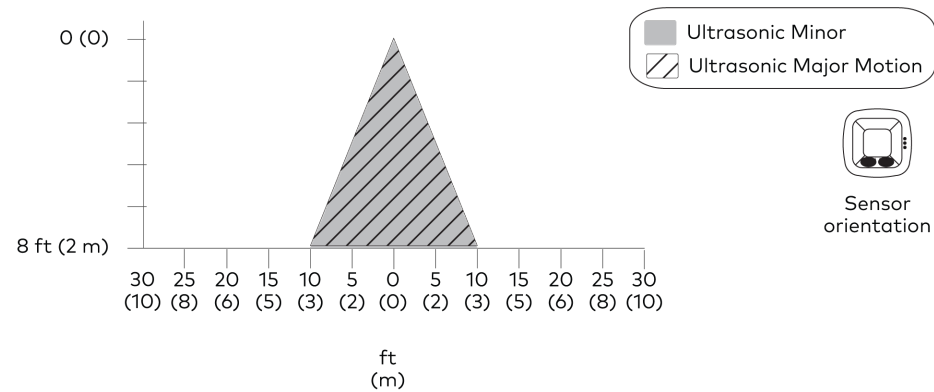


Zūm Wired Presence Detectors with Link Communication

Side View Sensor Orientation A

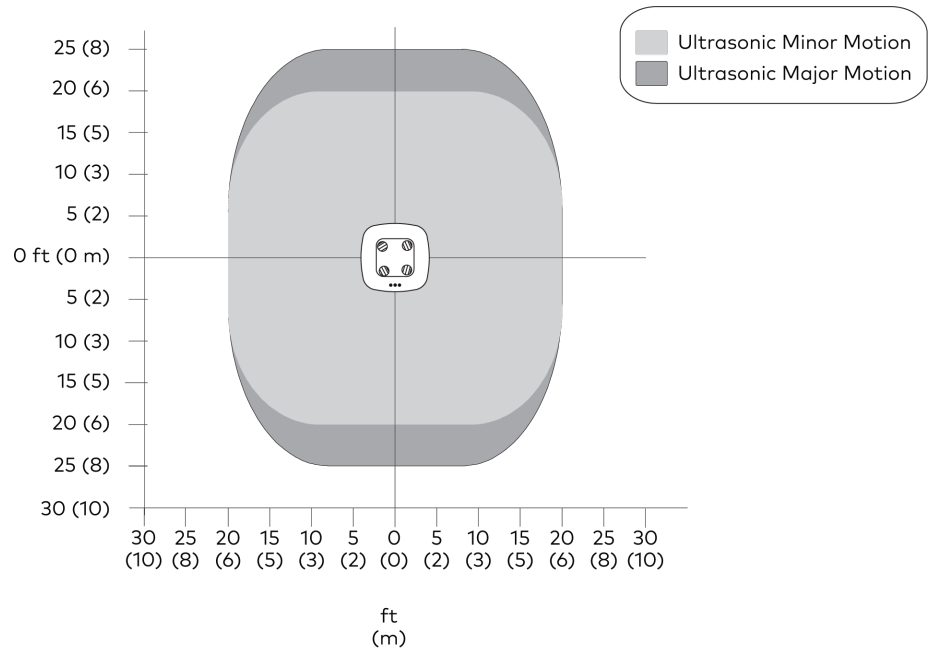


Side View Sensor Orientation B



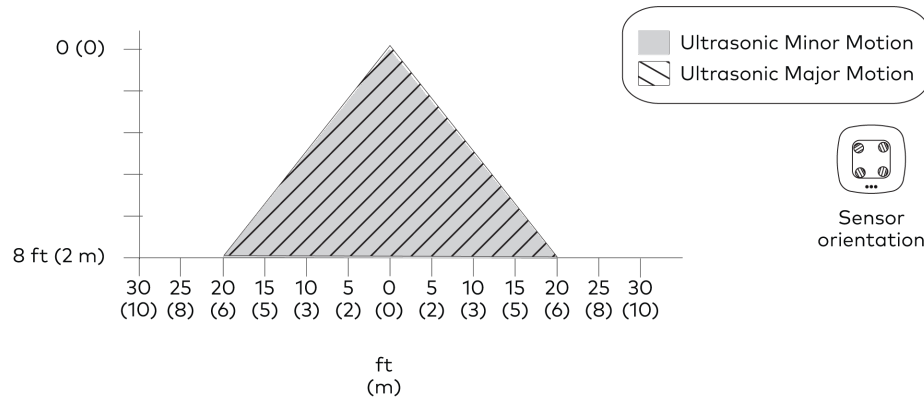
ZUMLINK-US-QUATTRO-DLS/
ZUMLINK-US-QUATTRO-DLS-RLY

Top View

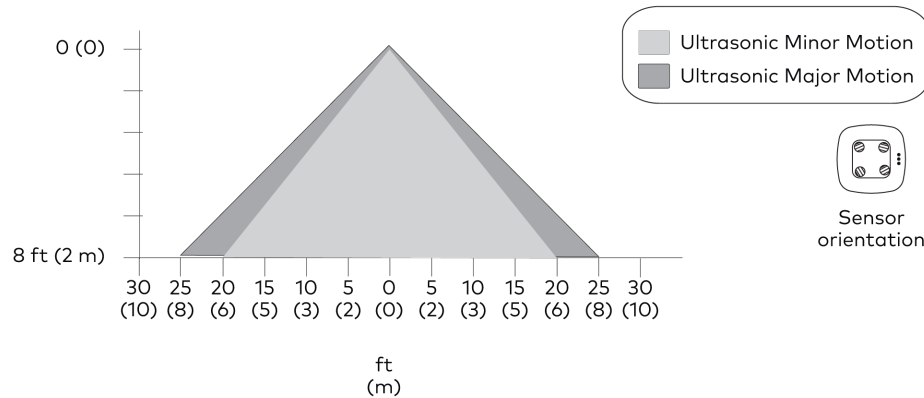


Zūm Wired Presence Detectors with Link Communication

Side View Sensor Orientation A



Side View Sensor Orientation B



Crestron Toolbox™ software or the [ZUM-HUB4](#) (sold separately).



Operation

A Zūm Wired space consists of at least one Zūm Net or Zūm Link load controller connected to lights, sensors or another Zūm Wired device. Once the devices are installed and connected together in a space, they communicate with each other. Without any programming, the devices behave as described below.

NOTE: To add an Zūm Wired device to an existing space, simply connect the device and it will become part of the space logic.



Firmware Upgrade

Before using the Zūm device, ensure they are updated with the latest firmware. Check for the latest firmware at www.crestron.com/firmware. Load the firmware onto the devices using

Zūm Wired Presence Detectors with Link Communication

Presence Detector Sensors

Non-system (such as the [GLA-IR-QUATTRO-HD-COM1-24](#) or [GLS-ODT-C-NS](#)) and system sensors (such as the ZUMLINK-IR-QUATTRO-DLS) will trigger and control the connected load controller. Non-system sensors connect to the load controller via the I/O ports, while system sensors connect to the load controller via a CBL-CAT5E-ZUMLINK-P cable.

For presence detectors with a relay (such as the ZUMLINK-IR-QUATTRO-DLS-RLY), the default function is set to None. Use the Zūm app to change the functionality to follow occupancy logic or button presses.

Presence Detector Functionality When Connected to Load Controllers

Load Controller	Occupancy Detected	Vacancy Detected
ZUMNET-JBOX-16A-LV and ZUMLINK-JBOX-16A-LV	Recalls Scene 1 (all on)	Recalls Scene 16 (all off)
ZUMLINK-JBOX-20A-SW	On	Recalls Scene 16 (all off)
ZUMLINK-JBOX-20A-PLUG	On	Off after grace period delay

To adjust the presence detector sensitivity, refer to [Sensor Test Mode](#).



Zūm Wired Setup

Once all of the devices are installed in the space and using the latest firmware, use the Zūm app to modify default room behavior. Expedite commissioning by copying a room configuration and sending it to a room with identical devices. Save a room configuration template and share it via email, or other methods available on the device. A template can be deployed to any identical room via the Zūm app or the ZUM-HUB4.

NOTE: The ZUMLINK-KP Bluetooth® connection is required to configure a Zūm wired space with the Zūm app.

Connect to the Zūm App

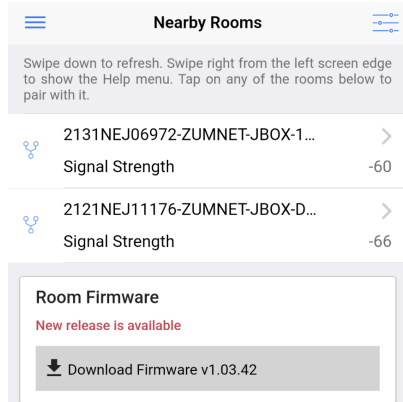
Download the Zūm app from the [Google Play™](#) online store or the [Apple® App Store®](#) online store.

To use the Zūm app:

1. Enable Bluetooth wireless connection on your device to communicate with the Zūm space.

Zūm Wired Presence Detectors with Link Communication

2. Launch the Zūm app and grant the permissions the app requests. The Zūm app displays a list of available spaces.



3. If new firmware is detected, update the firmware. Refer to [Update Firmware for a Zūm Space](#).
4. Select the desired space.
5. When prompted, enter the PIN. The Zūm app main screen opens.

NOTES:

- For Primary load controllers running firmware 3.6.18 and higher, the default PIN is 246800. For firmware lower than 3.6.18, the default PIN is 2468.
- To change the PIN, navigate to the Room Settings. When changing the PIN, the previous PIN is required.
- The first failed log-in attempt locks the user out of the Zūm space. With subsequent failed attempts, the lockout duration increases up to 60 minutes.
- The lockout duration resets when the correct PIN is entered, the Primary load controller reboots, or when the PIN is changed from the ZUM-HUB4 Web-Interface.

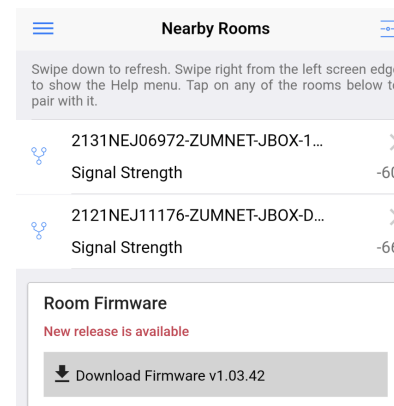
Update Firmware with the Zūm App

Follow the required work flow to update device firmware for a Zūm space. Each Zūm space must be updated separately.

- [Load the Latest Firmware to the App](#)
- [Update Firmware for a Zūm Space](#)

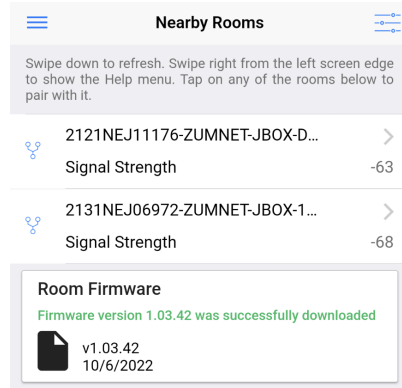
Load the Latest Firmware to the App

If new firmware is detected when connecting to the Zūm app, the **Room Firmware** window appears on the **Nearby Rooms** screen.

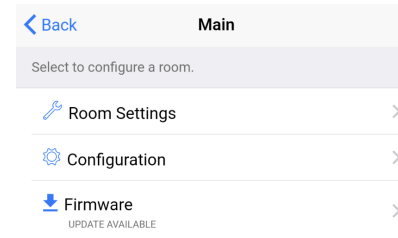


Zūm Wired Presence Detectors with Link Communication

Tap **Download Firmware** to load the firmware to the app. The **Room Firmware** window message changes when the firmware is successfully downloaded. The Zūm app is now ready to connect to the Zūm space and start updating outdated devices.



1. Choose the desired Zūm space to access the **Main** screen and tap **Firmware**.



Update Firmware for a Zūm Space

WARNING: Interrupting the firmware update can cause the update to fail. To avoid interrupting the firmware update, follow these best practices:

- Place the mobile device in Do Not Disturb Mode.
- Do not minimize or place the Zūm app in the background.
- Do not lock the mobile device.

To update device firmware in a Zūm space.

Zūm Wired Presence Detectors with Link Communication

2. Tap **Update Now** to initiate the firmware update for STEP 1. Devices are grouped based on the device type.

[< Back](#)

2131NEJ06972-ZUMNET-JBOX-16A-LV-Room

FIRMWARE
v1.03.46

STEP 1 : ZUMLINK-JBOX 1
 UPLOAD FILE
 V1.002.00045

STEP 2 : ZUMLINK-KP 1
 UPLOAD FILE
 V1.002.00005

STEP 3 : ZUMNET-JBOX 1
 UPLOAD FILE
 V1.002.00045

Update Now

Cancel

NOTE: The number next to the device type indicates the number of devices of that type that need to be updated in that Zūm space.

3. When the **Update Firmware** confirmation displays, select **Yes** to continue or **No** to cancel and return to **Firmware**. The confirmation also estimates the amount of time it will take to update the room based on the number of devices.

Update Firmware

Updating firmware will cause the Zum app to disconnect from the room for 9-15 minutes.


Continue with update ?

No

Yes

NOTE: The Zūm space is inaccessible via Bluetooth until the firmware update process is complete.

4. When all of the devices are updated in a Zūm space, a notification displays stating the update is complete. Click **OK**, and repeat the process for every Zūm space listed in **Nearby Rooms**.



All devices have been updated.
 The firmware update is complete.

OK

Zūm Wired Presence Detectors with Link Communication

5. If a device fails to update, a notification opens stating that some of the devices were not updated. Click **OK**.

The notification closes and displays the **Nearby Rooms** screen. To restart the firmware update, select the room and repeat the procedure from step 1 until all of the devices have been successfully updated.

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Zūm App Main Screen

From the **Nearby Rooms** screen, tap the desired room to open the **Main** screen. The following sections describe the actions available for each area of the **Main** screen.

The screenshot shows the Zūm App Main screen, which is divided into two main panels. The left panel is titled 'Main' and the right panel is titled 'Current Template'.

Left Panel (Main):

- 1** Points to the 'Room Settings' option (wrench icon).
- 2** Points to the 'Configuration' option (gear icon).
- 3** Points to the 'Firmware' option (download icon) with a sub-label 'UPDATE AVAILABLE'.
- 4** Points to the list of room units. The list includes:
 - Tap the identify button to identify the unit. Swipe left to edit the commissioning of the unit.
 - ZUMLINK-EXP-16A-DIMU-2789 (info icon)
 - ZUMLINK-EXP-16A-DIMU 0002115NEJ06497
 - ZUMNET-JBOX-16A-LV-6497 (info icon)
 - ZUMNET-JBOX-16A-LV 0002115NEJ06497
 - ZUMLINK-JBOX-20A-PLUG-4955 (info icon)
 - ZUMLINK-JBOX-20A-PLUG 0002112NEJ04955
 - ZUMLINK-JBOX-20A-SW-5076 (info icon)
 - ZUMLINK-JBOX-20A-SW 0002112NEJ05076
 - ZUMLINK-KP-3252 (info icon)
 - ZUMLINK-KP 002109NEJ03252

Right Panel (Current Template):

- 5** Points to the 'Open room template' option.
- 6** Points to the 'Save room configuration' and 'Share room configuration' options.
- 7** Points to the 'Revert changes' option.

Current Template Panel Details:

- Section: **Current Template**
- Tap the button below to perform the respective action on the room template.
- Open room template
- Save room template
- Share room template
- Tap the button below to perform the respective action on the room configuration.
- Save room configuration
- Share room configuration
- Tap the button to send current configuration to the room.
- Send configuration to room
- Tap the advanced data management button to perform advanced data file actions. Recommended for advanced users.
- Advanced data management
- Tap the revert changes button to restore all data to previous. The app will exit the room.
- Revert changes

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NOTE: The numbers below correspond with the numbers in the **Main** screen diagram.





1. Room Settings: Edit the Room Name, PIN, Floor ID, Zone ID, and Network information.
2. Configuration: Edit the room logic to view the current state of the room.
 - Occupancy Sensors: View details for the connected sensor(s) or edit the sensor name.
 - Photo Sensors: View details for the connected sensor(s) or edit the sensor name.
 - Load Controllers: Identify and view details for the connected load controller(s).
 - ZUMLINK-JBOX-16A-LV and ZUMNET-JBOX-16A-LV load controllers:
 - View Current Scene, Daylighting status, and Output Level.
 - Override: The state of the load when Override is recalled. Click the toggle to turn the load on or off during Override.
 - Assign the occupancy mode (Occupancy menu), vacancy mode (Vacancy menu), vicinity mode (Vicinity menu), and daylight harvesting (Photo menu) to specific load controllers.
 - View Dimming Values
 - Edit the Dimming Curve Configuration or Dimmer Scenes Configuration.
 - ZUMLINK-JBOX-20A-PLUG load controller:
 - Override: The state of the load when Override is recalled. Click the toggle to turn the load on or off during Override.
 - Assign the occupancy mode (Occupancy menu), vacancy mode (Vacancy menu), vicinity mode (Vicinity menu), and daylight harvesting (Photo menu) to specific load controllers.
 - ZUMLINK-JBOX-20A-SW load controller:
 - Closed: Click the toggle to turn the load on or off.
 - Override: The state of the load when Override is recalled. Click the toggle to turn the load on or off during Override.
 - Assign the occupancy mode (Occupancy menu), vacancy mode (Vacancy menu), vicinity mode (Vicinity menu), and daylight harvesting (Photo menu) to specific load controllers.
 - Scenes: Allow keypad access to the scene by selecting or deselecting the checkbox. Determine the state of the load when the scene is recalled by clicking the toggle on or off.


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- ZUMLINK-EXP-16A-DIMU load controller:
 - View Current Scene, Daylighting status, and Output Level.
 - Override: The state of the load when Override is recalled. Click the toggle to turn the load on or off during Override.
 - Assign the occupancy mode (Occupancy menu), vacancy mode (Vacancy menu), vicinity mode (Vicinity menu), and daylight harvesting (Photo menu) to specific load controllers.
 - View Dimming Values.
 - Edit the Dimmer Scenes Configuration.
 - Scenes: View and edit room scenes: Scene 1 - Scene 16. When editing the scene, tap the Identify icon ⓘ to identify the load controller. The load controller emits a sound and flashes the Link LED. The connected loads also flash.
 - Keypads: Identify and view details for the connected keypad(s). Edit the keypad name and assign the button layout.
 - Adjust the Double Tap Speed: Set the amount of time between two button presses to qualify as a double tap.
 - Specify the Button Layout and click on a button to configure button actions.
Button action options:
 - None
 - Off: Assigned load controllers turn off.
 - On: Assigned loads turn on.
 - Raise: Assigned load controllers raise.
 - Toggle: Switches load controllers between ON and OFF states
 - Lower: Assigned load controllers lower.
 - Recall Scene 1 - Scene 16: Assigned load controllers recall the behavior set for the specified scene.
 - Export to Hub: Name and send information to ZUM-HUB4 for macro actions.
 - Load Shedding: Set the maximum levels for load shedding.
 - Load/Sensor Groups: Create groups within the room.
 - DALI Controllers: Address drivers, create DALI groups, assign drivers, and identify drivers.
 - Current Scene: Displays the current room scene.
 - Occupancy Status: Displays occupied or vacant. If any area of the room is occupied, then the status is Occupied. When all areas of the room are vacant, the status is Vacant.
3. Firmware: To update firmware, refer to [Update Firmware with the Zūm App](#).
 4. Discovered Room Devices: Identify a device and edit the commissioning settings

Zūm Wired Presence Detectors with Link Communication

Tap the identify button to identify the unit. Swipe left to edit the commissioning of the unit.

ZUMNET-JBOX-16A-LV-6497	 >
ZUMNET-JBOX-16A-LV	0002115NEJ06497
ZUMLINK-JBOX-20A-PLUG-4955	 >
ZUMLINK-JBOX-20A-PLUG	0002112NEJ04955
ZUMLINK-JBOX-20A-SW-5076	 >
ZUMLINK-JBOX-20A-SW	0002112NEJ05076
ZUMLINK-KP-3252	 >
ZUMLINK-KP	002109NEJ03252

- Tap the Identify icon  to identify a device. A load controller emits a sound and the Link LED flashes. The connected loads also flash. A keypad flashes its LED.
- Tap the device to edit or review the device details: Edit Name. Review the Model, Serial Number, Status, and edit the device settings.

5. Current Template Settings: Choose Open room template, Save room template, or Share room template.

Current Template

Tap the buttons below to perform actions with the room template.

Open room template	>
Save room template	>
Share room template	>

6. Configuration Data:

- Save room configuration: Save the room configuration data in the space.
- Share room configuration: Share the room configuration data in the space.
- Send configuration to room: Send room logic changes made in the app to the room.
- Advanced data management: Review the Map, Logic, and Settings of the data currently loaded. Load, save or share new Map, Logic, or Settings data.

Tap the button below to perform the respective action on the room configuration.

Save room configuration	>
Share room configuration	>

Tap the button to send current configuration to the room.

[Send configuration to room](#)

Tap the advanced data management button to perform advanced data file actions. Recommended for advanced users.


Advanced data management	>
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NOTE: Changes made in the app are not sent to the room until they are deployed using the Send configuration to room button.

7. Revert changes: Restore all non-deployed changes made since launching the app.

Tap the revert changes button to restore all data to previous. The app will exit the room.

[Revert changes](#)

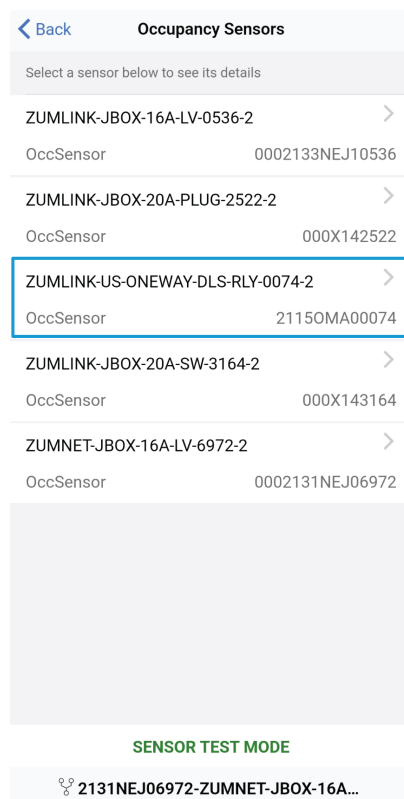
 2115NEJ06497-ZUMNET-...

Zūm Wired Presence Detectors with Link Communication

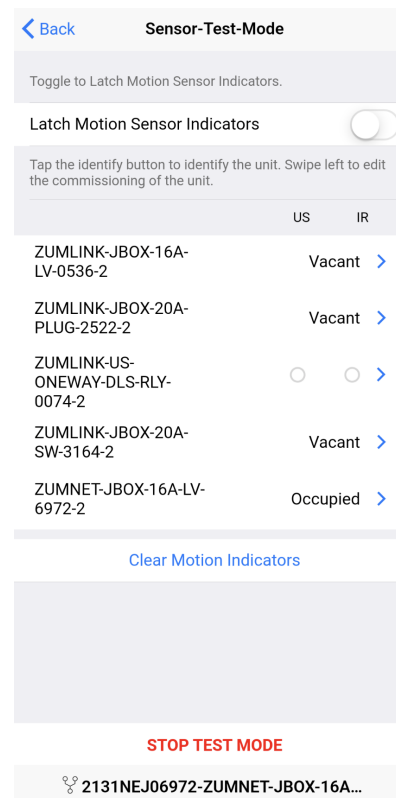
Sensor Test Mode

Use **Sensor Test Mode** to view a presence detector's status, and easily edit a presence detector's settings after they are installed. To access the Sensor Test Mode from the Zūm app Main Screen, tap **Configuration** and tap **Occupancy Sensors**. A list of occupancy sensor components displays, including the occupancy sensor components for load controllers and presence detectors.

In this example, the occupancy sensor component for the presence detector is the ZUMLINK-US-ONEWAY-DLS-RLY-0074-2. The other occupancy sensors listed are for load controllers.



To enter test mode, tap **Sensor Test Mode** at the bottom of the screen. The same list of sensors displays. To exit test mode, tap **Stop Test Mode**.



Zūm Wired Presence Detectors with Link Communication

Sensor Test Mode allows users to view real-time status and US and PIR sensor technology feedback. This screen enables users to make adjustments and confirm the expected detection sensitivities. For presence detectors, the radio button indicates whether the Ultrasonic or Infrared technology triggered. For non-system presence detectors, the room status is identified as Occupied or Vacant.

	US	IR
ZUMLINK-JBOX-16A-LV-0536-2		Vacant >
ZUMLINK-JBOX-20A-PLUG-2522-2		Vacant >
ZUMLINK-US-ONEWAY-DLS-RLY-0074-2	<input type="radio"/>	<input type="radio"/> >
ZUMLINK-JBOX-20A-SW-3164-2		Vacant >
ZUMNET-JBOX-16A-LV-6972-2		Occupied >

Tap > next to the presence detector to adjust the Name, Timeout, Range, and Sensitivity, as well as review the room Status and connected loads. Refer to [Adjust Ultrasonic Sensitivity](#) for best practices on adjusting sensitivity.

< Back
OccSensor

SN: 21150MA00074; FW: v1.4984.15290

Name ZUMLINK-US-ONEWAY-DLS-RLY-0074-2

Tap to configure the number of seconds that must elapse before the sensor identifies room as occupied.

Local Timeout (5-1800 sec) 300

Status Occupied

Tap To Configure the sensor range and sensitivity

Range(distance) 190

Sensitivity 7

This sensor is associated with the following load controller(s).

ZUMLINK-JBOX-20A-SW-3164-1 ⓘ
ZUMLINK-JBOX-20A-SW 000X143164
ZUMLINK-JBOX-16A-LV-0536-1 ⓘ
ZUMLINK-JBOX-16A-LV 0002133NEJ10536
ZUMNET-JBOX-16A-LV-6972-1 ⓘ
2131NEJ06972-ZUMNET-JBOX-16A...

Adjust Ultrasonic Sensitivity

You can adjust the Ultrasonic (US) sensitivity in US and Dual Technology (DT) presence detectors. Passive Infrared (PIR) sensitivity is fixed and cannot be adjusted in PIR or DT presence detectors.

1. Occupy the space where the US or DT presence detector is installed, and access Sensor Test Mode in the Zūm app. Refer to [Sensor Test Mode](#).
2. In the Zūm app, locate the desired presence detector(s) in the list and tap **Sensor Test Mode** to begin the test.

Zūm Wired Presence Detectors with Link Communication

3. Move around the room and observe the behavior of the US and IR radio buttons.

NOTE: The radio buttons light momentarily to identify the presence detector and technology triggered. Use the **Latch Motion Sensor Indicators** toggle to retain the radio button with the last motion detected. The **Clear Motion Indicator** button resets the radio buttons.

[< Back](#)
Sensor-Test-Mode

Toggle to Latch Motion Sensor Indicators.

Latch Motion Sensor Indicators ☐

Tap the identify button to identify the unit. Swipe left to edit the commissioning of the unit.

	US	IR	
ZUMLINK-JBOX-16A-LV-0536-2			Vacant >
ZUMLINK-JBOX-20A-PLUG-2522-2			Vacant >
ZUMLINK-US-ONEWAY-DLS-RLY-0074-2	<input type="radio"/>	<input type="radio"/>	>
ZUMLINK-JBOX-20A-SW-3164-2			Vacant >
ZUMNET-JBOX-16A-LV-6972-2			Occupied >

[Clear Motion Indicators](#)

STOP TEST MODE

2131NEJ06972-ZUMNET-JBOX-16A...

4. If the presence detector does not trigger enough or triggers too much, press > next to the presence detector to make adjustments to the sensitivity.

[< Back](#)
OccSensor

SN: 21150MA00074; FW: v1.4984.15290

Name ZUMLINK-US-ONEWAY-DLS-RLY-0074-2

Tap to configure the number of seconds that must elapse before the sensor identifies room as occupied.

Local Timeout (5-1800 sec) 300

Status Occupied

Tap To Configure the sensor range and sensitivity

Range(distance) 190

Sensitivity 7

This sensor is associated with the following load controller(s).

ZUMLINK-JBOX-20A-SW-3164-1

ZUMLINK-JBOX-20A-SW 000X143164

ZUMLINK-JBOX-16A-LV-0536-1

ZUMLINK-JBOX-16A-LV 0002133NEJ10536

ZUMNET-JBOX-16A-LV-6972-1

2131NEJ06972-ZUMNET-JBOX-16A...

5. Move the Sensitivity or Range slider to the desired position.
6. To test the new setting, click < Back to return to Sensor Test Mode.
7. Repeat the process from step 3 until the desired sensitivity is attained.

Zūm Wired Presence Detectors with Link Communication

Additional Information

Original Instructions

The U.S. English version of this document is the original instructions.
All other languages are a translation of the original instructions.

Regulatory Model: M202111001, M202111002, M202111003, and M202111004

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