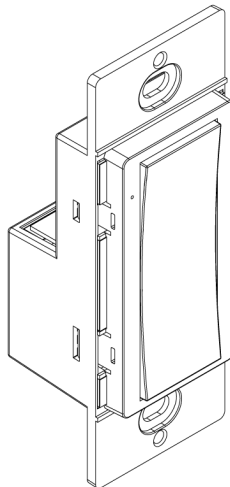


## Zūm® Wired Keypad with Link Communication, Rocker Button, White

The Crestron® [ZUMLINK-KP](#) keypad provides control of one or more Zūm® wired load controllers (sold separately) via [CBL-CAT5E-ZUMLINK-P](#) cables (sold separately). The ZUMLINK-KP comes preassembled with the white [ZUMLINK-BTNR](#) rocker button, which offers on/off switching and dimming adjustment with the ability to save one scene preset. Additional pushbutton configurations are available separately (refer to [Additional button configurations](#)). The pushbutton configurations support the same capabilities as the rocker button, but with additional scene presets.

The ZUMLINK-KP mounts to a standard electrical box. Rocker buttons/button trees and bezels are available in almond, black, gray, red, and white. The button trees also have options for standard pad printed labels or custom engravings. Blank buttons are offered in all button tree configurations and colors and may be requested as a custom button tree order ([ZUMLINK-BTN4 ENGRAVED](#), [ZUMLINK-BTN6 ENGRAVED](#), and [ZUMLINK-BTN8 ENGRAVED](#)). A finished installation requires a decorator-style faceplate ([FP-G series](#), sold separately).

**ZUMLINK-KP with ZUMLINK-BTNR attached**



### Additional button configurations

Four-button keypad: Two buttons for on and off control and two scene recall buttons

- [ZUMLINK-BTN4 \(Pad Printed\)](#)
- [ZUMLINK-BTN4 ENGRAVED](#)

Six-button keypad: Two buttons for on and off control, two buttons for dimming up and down, and two scene recall buttons

- [ZUMLINK-BTN6 \(Pad Printed\)](#)
- [ZUMLINK-BTN6 ENGRAVED](#)

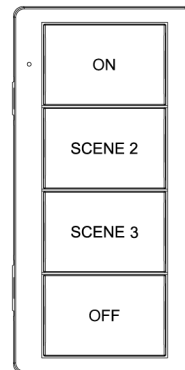
Eight-button keypad: Four buttons for on and off control and four buttons for dimming up and down

- [ZUMLINK-BTN8 \(Pad Printed\)](#)
- [ZUMLINK-BTN8 ENGRAVED](#)

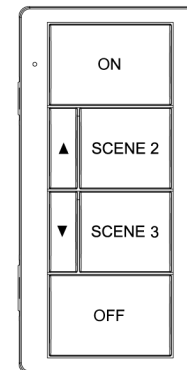
Single-rocker button (included): Simple on and off lighting control

### [ZUMLINK-BTNR ENGRAVED](#)

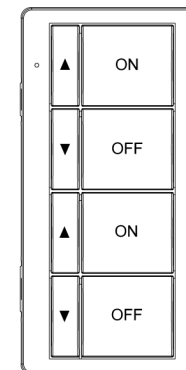
**ZUMLINK-BTN4**



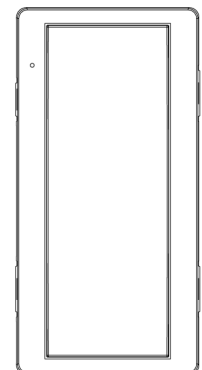
**ZUMLINK-BTN6**



**ZUMLINK-BTN8**



**ZUMLINK-BTNR**



## Zūm® Wired Keypad with Link Communication, Rocker Button, White

For details on compatible Zūm wired load controllers, refer to the following products:

- ZUMLINK-JBOX-16A-LV: 0-10V Dimmer, 16A, 100-277V
- ZUMLINK-JBOX-20A-SW: High Inrush Switch, 20A, 100-277V
- ZUMLINK-JBOX-20A-PLUG: Plug Load Switch, 20A, 100-240V
- ZUMNET-JBOX-16A-LV: 0-10V Dimmer, 16A, 100-277V
- ZUMNET-JBOX-DALI: DALI® Load Controller, 100-277V



### In the Box

- 1 ZUMLINK-KP, Zūm® Zūm® Wired Keypad with Link Communication, Rocker Button

#### Additional Items

- 2 Screw, 6-32 x 3/4 in., Truss Head, Combo (2009211)

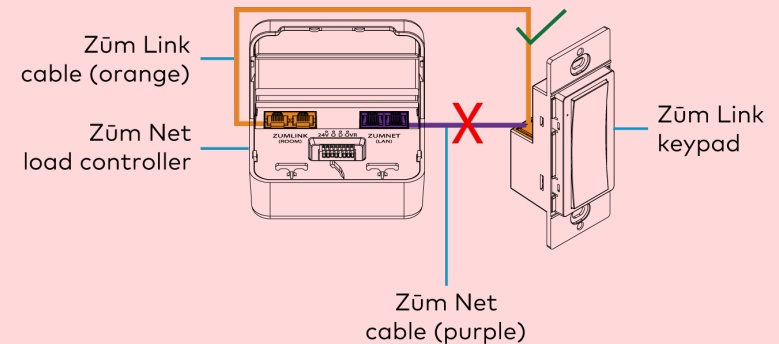


## Installation

The ZUMLINK-KP comes preassembled with the white ZUMLINK-BTNR rocker button. If another rocker button/button tree is required, refer to [Replace the Rocker Button/Button Tree and Bezel](#).

### 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.



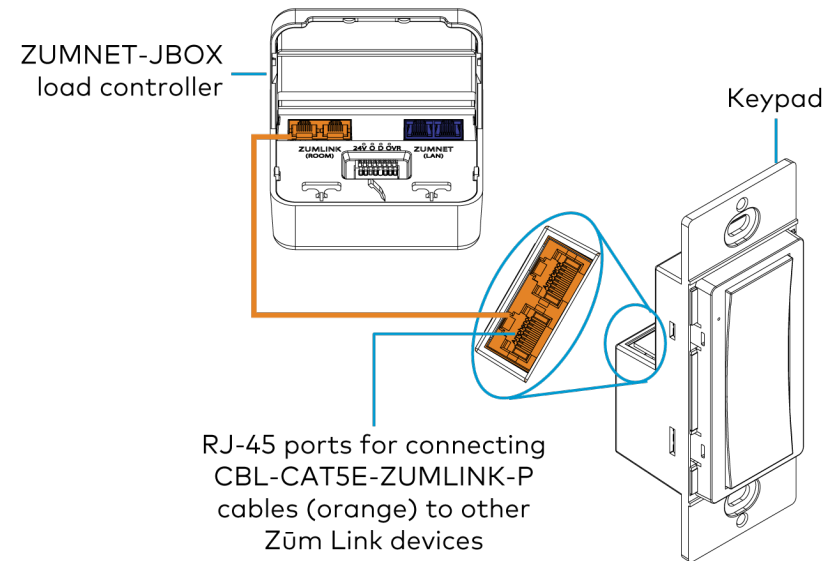
## Zūm® Wired Keypad with Link Communication, Rocker Button, White

### NOTES:

- Install and use this product in accordance with appropriate electrical codes and regulations.
- A licensed electrician should install this product.
- Ensure that the system power is off until the keypad is fully installed.
- For use where temperatures are between 32° to 104°F (0° to 40°C)
- Several keypads may be installed in one electrical box (multigang). For a smooth appearance, install one-piece multigang faceplates (not included).

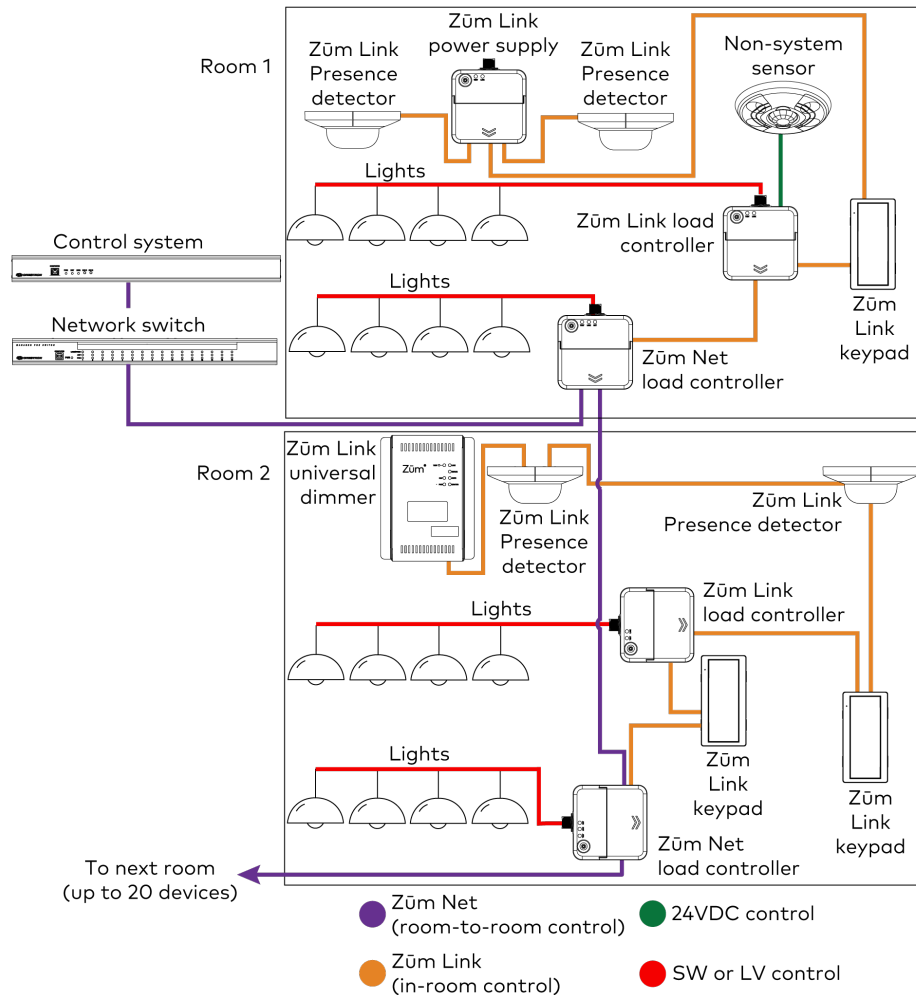
### Wire the Keypad

Use orange [CBL-CAT5E-ZUMLINK-P](#) cables (sold separately) to wire in-room Zūm wired devices, such as load controllers, to the ZUMLINK-KP.



## Zūm® Wired Keypad with Link Communication, Rocker Button, White

Zūm Wired System Diagram



### 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.

### Mount the Keypad

The ZUMLINK-KP mounts into a standard 1-gang electrical box.

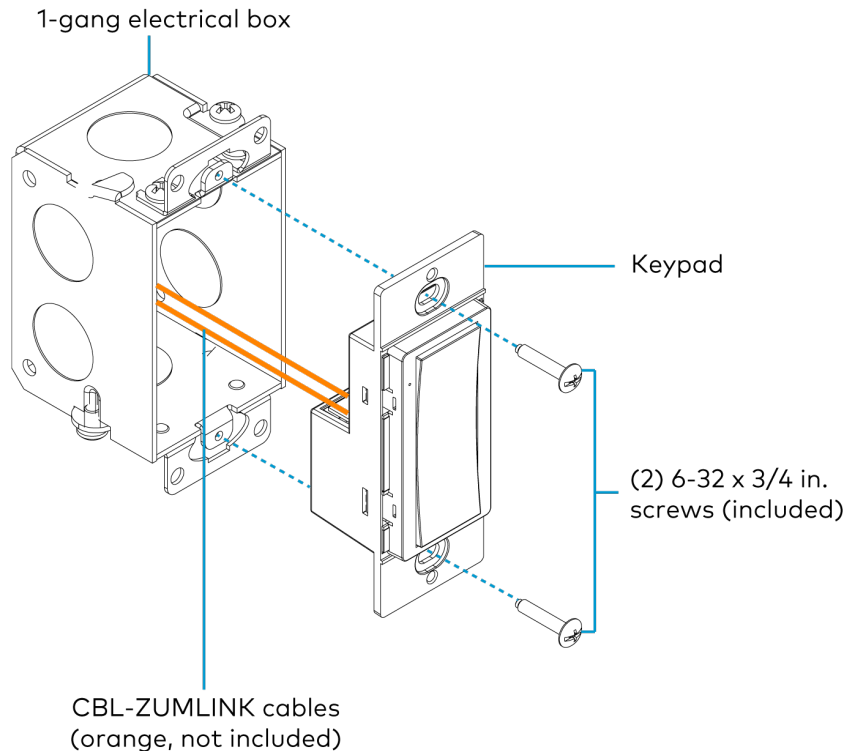
**NOTE:** Turn the system power off before making connections. Do not turn the system power on until the device is fully installed in the mounting surface.

1. Holding the keypad with the LED on the left, place it in the electrical box.

## Zūm® Wired Keypad with Link Communication, Rocker Button, White

- Secure the keypad using the included #6-32 x 3/4 in. truss screws.

**CAUTION:** Excess wire pinched between the keypad and electrical box could short out. Make sure all excess wire is completely inside the electrical box and not between the box and the keypad.

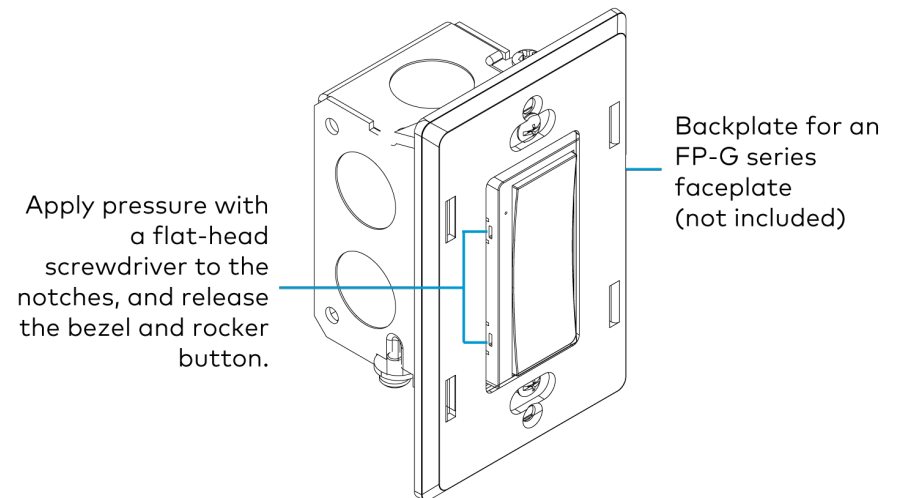


- Attach the desired decorator-style faceplate (not included).
- Turn the system power on.

## Replace the Rocker Button/Button Tree and Bezel

The ZUMLINK-KP comes preassembled with the [ZUMLINK-BTNR](#) rocker button. Follow the procedure below to replace the bezel and rocker button with a new bezel and rocker button/button tree.

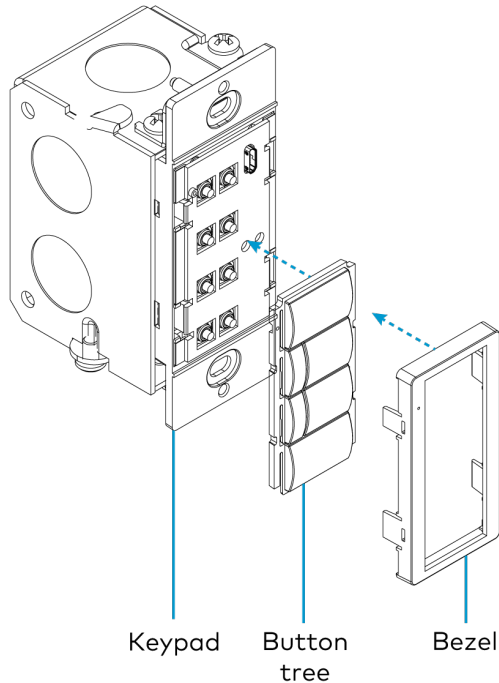
- Remove the faceplate from the keypad.  
If a Crestron [FP-G](#) series faceplate (not included) is installed, remove only the cover.
- Use a flat-head screwdriver to remove the bezel and rocker button by pressing the screwdriver into the notches on the side of the keypad. The bezel and rocker button release from the keypad.



- Position the replacement rocker button/button tree on the keypad.

## Zūm® Wired Keypad with Link Communication, Rocker Button, White

- Place the replacement bezel on top of the rocker button/button tree, making sure to align the LED hole with the LED on the keypad, and snap the bezel into place.



### Firmware Upgrade

Before using a Zūm Wired device, ensure it is updated with the latest firmware. Check for the latest firmware at [www.crestron.com/firmware](http://www.crestron.com/firmware). Load the firmware onto the device using Crestron Toolbox™ software, the ZUM-HUB4 web interface, or the Zūm app (refer to [Update Firmware for a Zūm Space](#)).



### 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.

Zūm® Wired Keypad with Link Communication, Rocker Button, White

Keypads

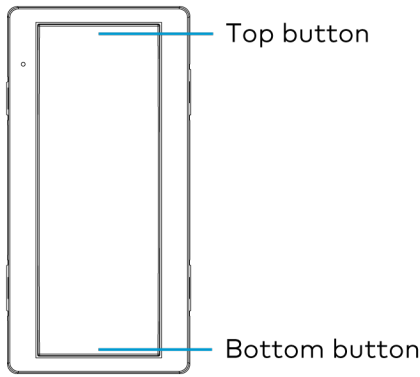
The ZUMLINK-KP-R controls most of the connected load controllers in a space.

**NOTE:** The ZUMLINK-KP-R will not control a ZUMLINK-JBOX-20A-PLUG.

ZUMLINK-KP Functionality When Connected to Load Controllers

Load Controller	Top Button Tap	Top Button Hold	Bottom Button Tap	Bottom Button Hold
ZUMNET-JBOX-16A-LV and ZUMLINK-JBOX-16A-LV	Recalls Scene 1	Raise all loads	Recalls Off	Lower all loads
ZUMLINK-JBOX-20A-SW	Recalls On	N/A	Recalls Off	N/A
ZUMLINK-JBOX-20A-PLUG	N/A	N/A	N/A	N/A

- None
- Off: Assigned loads controllers turn off.
- On: Assigned loads turn on
- Raise: Assigned load controllers raise.
- Lower: Assigned load controllers lower.
- Recall Scene 1 - Scene 16: Assigned load controllers recall the behavior set for the specified scene.



The ZUMLINK-KP-R can be used with any ZUMLINK-BTN button tree for up to 8 programmable buttons. Use the Zūm app to change a button's default functionality. Each of the buttons can be programmed with the following functions:

## Zūm® Wired Keypad with Link Communication, Rocker Button, White



### 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.

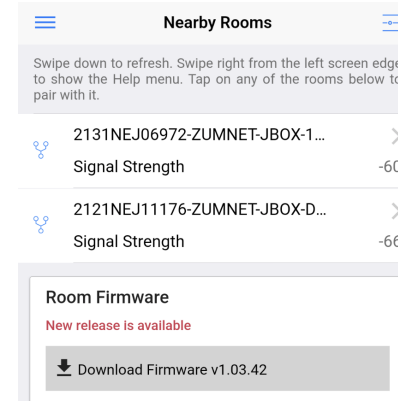
### Connect to the Zūm App

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.

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.



## Zūm® Wired Keypad with Link Communication, Rocker Button, White

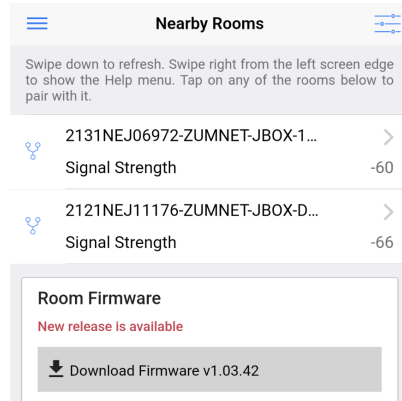
### Update Firmware with the Zūm App

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

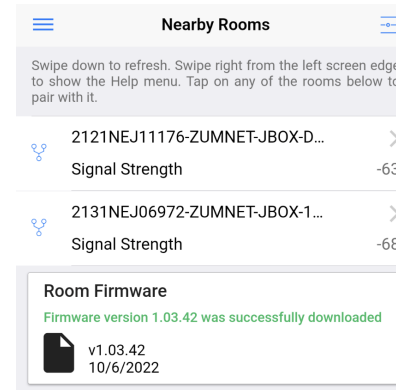
- [Load the Latest Firmware to the App](#)
- [Update Firmware for a Zūm Space](#)

### 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.



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.



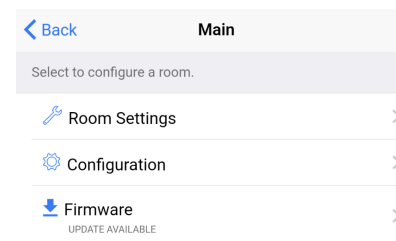
### Update Firmware for a Zūm Space

**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.

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



## Zūm® Wired Keypad with Link Communication, Rocker Button, White

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 Keypad with Link Communication, Rocker Button, White

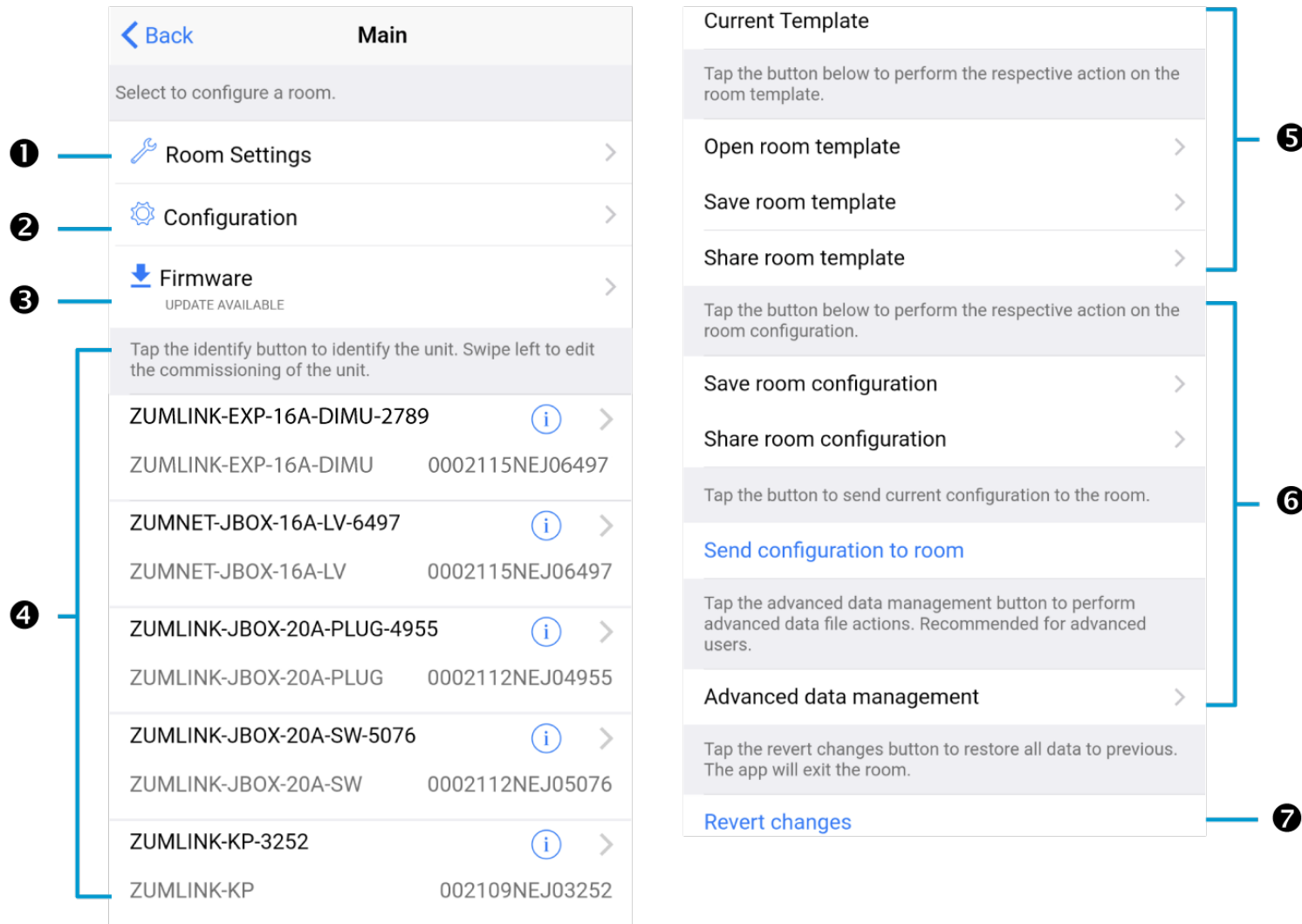
5. If a device fails to update, a notification opens stating that some of the devices were not updated. Click **OK**.

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.

## Zūm® Wired Keypad with Link Communication, Rocker Button, White

### 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.



## Zūm® Wired Keypad with Link Communication, Rocker Button, White

**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.


## Zūm® Wired Keypad with Link Communication, Rocker Button, White

- 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 Keypad with Link Communication, Rocker Button, White

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	>
--------------------------	---

**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-...
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## Zūm® Wired Keypad with Link Communication, Rocker Button, White

### 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: M201937001

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

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The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

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