CRESTRON

Description

The Crestron® Battery-Powered Wireless Keypad (ZUMMESH-KPBATT) provides control of one or more Zūm™ load controllers (not included). It is available with a rocker switch or a combination of pushbuttons. The rocker switch version offers on/off switching and dimming adjustment, with the ability to save one scene preset. The pushbutton versions support the same capabilities with additional scene presets.

The ZUMMESH-KPBATT mounts to a standard electrical box, or can be attached directly to the wall using screws or two-sided adhesive tape. A finished installation requires a decorator-style faceplate (not included).

Battery-powered Zūm keypads are designed in the following four configurations:

- Single-Rocker Switch – Simple on and off lighting control
- Four-Button Keypad – Two buttons for on and off control and two scene recall buttons
- Six-Button Keypad – Two buttons for on and off control, two buttons for dimming up and dimming down, and two scene recall buttons
- Six-Button Keypad with Sensor Control - Two buttons for on and off control, two buttons for dimming up and dimming down, one button for scene recall, and one button for disabling the sensors in the room

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR image.

Zūm Overview

A Zūm space consists of one space, such as a board room or conference room, that is equipped with Zūm mesh devices. The Zūm mesh devices (i.e., dimmers, switches, keypads, and sensors) in the space provide control and communicate directly with each other without the need for a centralized gateway or processor.

To expand the functionality of the Zūm space, a ZUMMESH-NETBRIDGE (not included) can be added which provides centralized control and monitoring from a Crestron control system (not included).

NOTE: The ZUMMESH-NETBRIDGE requires a compatible J-box device (not included) to provide power.

Installation

Mount the ZUMMESH-KPBATT to a single-gang box or directly to a flat surface using double-sided tape.

NOTE: Observe the following points.

- Codes: Install in accordance with all local and national electrical codes.
- Temperature: For use where temperatures are between 32° to 104 °F (0° to 40 °C).
- Electrical Boxes: Several devices can be installed in one electrical box (multigang). For a smooth appearance, install one-piece multigang faceplates (not included).

Single-Gang Box Mounting

Secure the ZUMMESH-KPBATT to a single-gang box using the two supplied screws. Attach a decorator-style faceplate (not included).


Two screws are supplied for mounting the keypad to a back box.
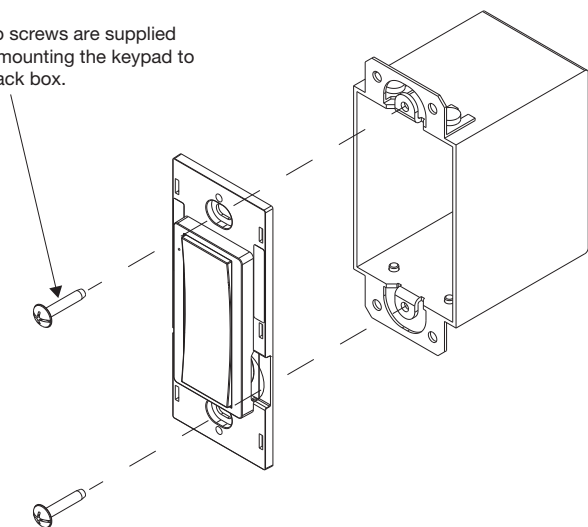
Double-Sided Tape Mounting

Secure the ZUMMESH-KPBATT to a flat, clean surface using the supplied double-sided tape.

1. Clean the mounting surface with a light cleaning agent that does not leave a residue.
2. Remove the backing of one piece of the double-sided tape and apply it to the back of the keypad. Repeat for the other piece of double-sided tape.
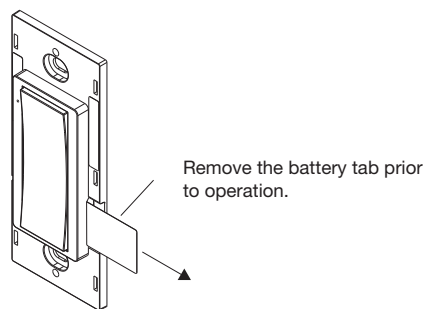

Press firmly to ensure proper adhesion.
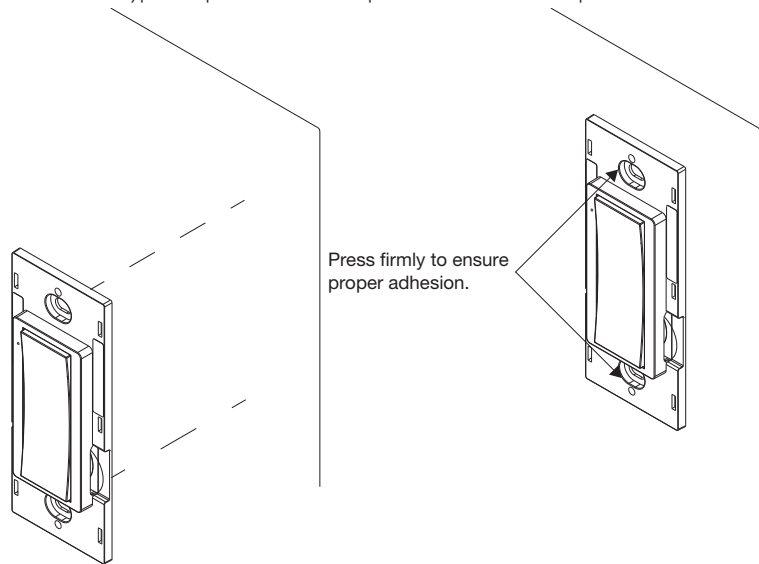
3. Ensure that the keypad is vertical, and press it against the wall. Press firmly to ensure that the keypad is properly secured to the wall.

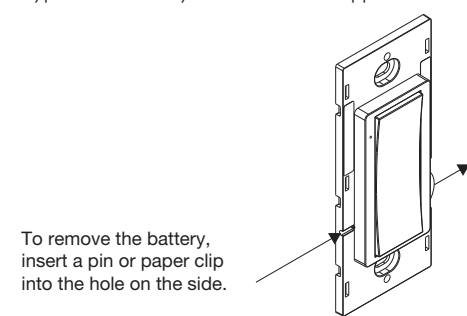Two pieces of tape are supplied to mount the keypad without a backbox.
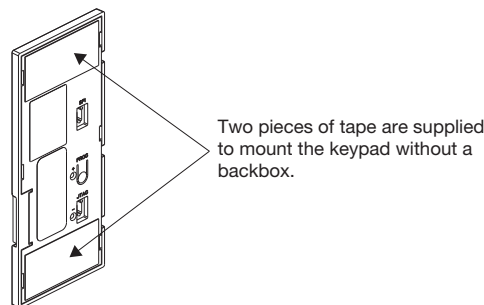
Battery

Prior to operation, remove the battery tab to turn on the keypad.

Remove the battery tab prior to operation.

Battery Replacement

To remove the battery, insert a pin or paper clip into the slot on the left side of the keypad. The battery slides out of the opposite side of the keypad.

To remove the battery, insert a pin or paper clip into the hole on the side.

NOTE: The battery must be inserted properly.

NOTE: The keypad will not operate if the battery is inserted incorrectly.

To install a new battery, insert the battery into the battery slot. The — terminal faces away from the wall.


Battery CR2032
(—) towards the front of the keypad
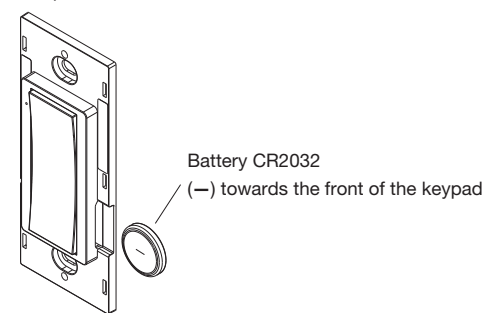
Default Button Functions

Crestron offers several ZUMMESH-KPBATT units. The ZUMMESH-KPBATT's functionality is based upon its button layout. By default, they control all loads in the room. If linked to a dimmer, the ZUMMESH-KPBATT controls only its linked loads.
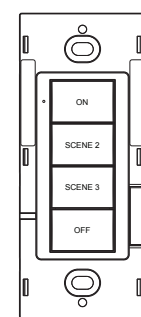
ZUMMESH-KP10ABATT Button Functions

Top Button
    Press: Recalls Scene 1
    Hold: Raises lights
Bottom Button
    Press: Turns lights off
    Hold: Lowers lights
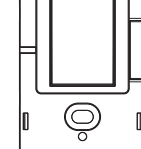
ZUMMESH-KP10BBATT Button Functions

On
    Press: Recalls Scene 1
    Hold: Raises lights
SCENE 2
    Press: Recalls Scene 2
    Hold 5 Seconds: Saves Scene 2
SCENE 3
    Press: Recalls Scene 3
    Hold 5 Seconds: Saves Scene 3
OFF
    Press: Turns lights off
    Hold: Lowers lights

ZUMMESH-KP10CBATT Button Functions

On
    Press: Recalls Scene 1
    Hold: No action
SCENE 2
    Press: Recalls Scene 2
    Hold 5 Seconds: Saves Scene 2
SCENE 3
    Press: Recalls Scene 3
    Hold 5 Seconds: Saves Scene 3
OFF
    Press: Turns lights off
▲
    Hold: Raises lights
▼
    Hold: Lowers lights

ZUMMESH-KP10DBATT Button Functions

On
    Press: Recalls Scene 1
    Hold: No action
SCENE 2
    Press: Recalls Scene 2
    Hold 5 Seconds: Saves Scene 2
SENSOR DISABLE
    Press: Recalls Scene 3
    Hold 5 Seconds: Saves Scene 3
OFF
    Press: Turns lights off
▲
    Hold: Raises lights
▼
    Hold: Lowers lights
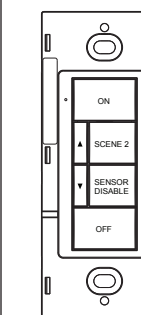
How to Set Up a Zūm Space and Add Zūm Devices

Once all devices are physically installed in a board room or conference space, a new Zūm space can be created and devices added.

NOTE: Only set up one Zūm space at a time.

NOTE: For simplified setup of a Zūm space, use the Zūm app on a mobile device.
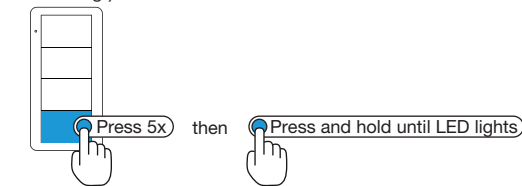
Step 1   Create a New Zūm Space

Creating a Zūm space defines the area where the devices are located, such as a board room or conference room. A Zūm space is created with a keypad, dimmer or switch, a J-box device, or an AV Bridge.

NOTE: Creating a Zūm space can only be performed by one device in the space.

NOTE: A Zūm space cannot be created from a battery-powered keypad.
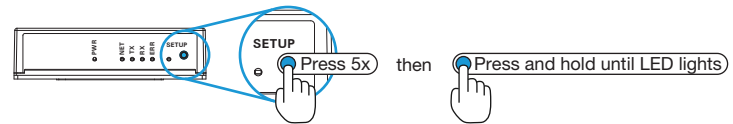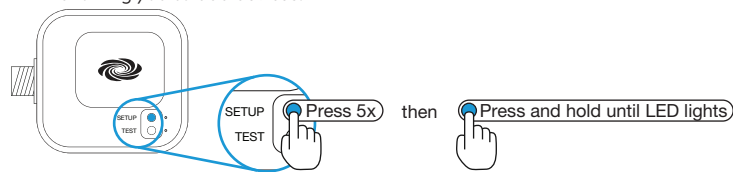
To create a new Zūm space using a keypad, dimmer, or switch:

1. Press the bottom button 5 times.
2. Press and hold the bottom button until the LED on the device lights (about 10 seconds). After approximately 3 seconds, the device LED begins slowly flashing. This indicates that the Zūm space is now created and in Joining mode, allowing you to add devices.

Press 5x   then   Press and hold until LED lights

To create a new Zūm space using a J-box device or an AV Bridge:

1. Press the **SETUP** button 5 times.
2. Press and hold the **SETUP** button until the LED on the device lights (about 10 seconds). After approximately 3 seconds, the device LED begins slowly flashing. This indicates that the Zūm space is now created and in Joining mode, allowing you to add devices.

SETUP TEST · Press 5x then Press and hold until LED lights

SETUP · Press 5x then Press and hold until LED lights

NOTE: The device that is used to create the Zūm space is automatically added to the space and does not need to be added in Step 2.

Step 2 Add the ZUMMESH-KPBATT to the Zūm Space

After a new Zūm space is created, add the ZUMMESH-KPBATT while the space is in Joining mode.

NOTE: A Zūm mesh device can belong to only one space.

NOTE: Joining mode ends automatically after 4 minutes.

To add the ZUMMESH-KPBATT:

1. Press the top button 3 times.
2. Press and hold the top button until the LED on the ZUMMESH-KPBATT lights (up to 10 seconds). The LED on the ZUMMESH-KPBATT will start to flash slowly to indicate that it has joined the space.

Press 3x then Press and hold until LED lights
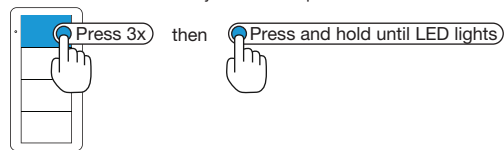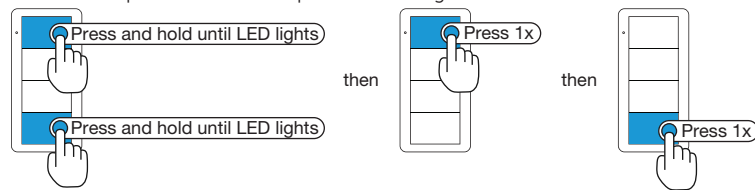
Step 3 Complete Zūm Space Setup

To finish creating a Zūm space, press any button on a device that is part of the Zūm space to exit Joining mode.
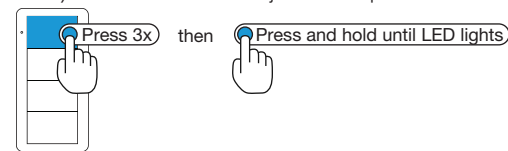
Add the ZUMMESH-KPBATT to an Existing Zūm Space

Add the ZUMMESH-KPBATT to an existing Zūm space by placing the Zūm space in Joining mode.

Add the ZUMMESH-KPBATT using a keypad, dimmer, or switch:

1. Enter Joining mode.
   a. Press and hold both the top and bottom buttons until the LED lights (about 5 seconds).
   b. Press the top button once.
   c. Press the bottom button once. The LEDs on all devices in the space (except battery powered devices) flash slowly to indicate that the devices are part of the space and that the space is in Joining mode.
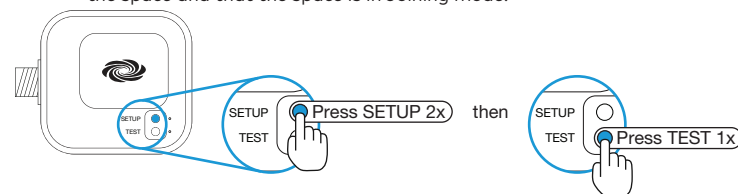
Press and hold until LED lights / Press 1x then / Press and hold until LED lights then Press 1x

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2. Add the ZUMMESH-KPBATT.
   a. Press the top button 3 times.
   b. Press and hold the top button until the LED on the ZUMMESH-KPBATT lights (up to 10 seconds). The LED on the ZUMMESH-KPBATT will start to flash slowly to indicate that it has joined the space.

Press 3x then Press and hold until LED lights

3. Press any button on a device that is part of the Zūm space to exit Joining mode.

Add the ZUMMESH-KPBATT using a J-box device:

1. Enter Joining mode.
   a. Press the **SETUP** button 2 times.
   b. Press the **TEST** button once. The LEDs on all devices in the space (except battery powered devices) flash slowly to indicate that the devices are part of the space and that the space is in Joining mode.

SETUP TEST · Press SETUP 2x then SETUP TEST Press TEST 1x

2. Add the ZUMMESH-KPBATT.
   a. Press the top button 3 times.
   b. Press and hold the top button until the LED on the ZUMMESH-KPBATT lights (up to 10 seconds). The LED on the ZUMMESH-KPBATT will start to flash slowly to indicate that it has joined the space.

Press 3x then Press and hold until LED lights
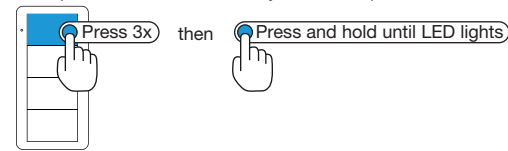
3. Press any button on a device that is part of the Zūm space to exit Joining mode.

Change the Default Scenes

The Zūm keypad buttons recall predefined scenes (light levels) that are stored in the load controllers. The default scenes are ON (scene 1) which sets the loads at 90%, SCENE 2 which sets the loads at 50%, and SCENE 3 which sets the loads at 10%. Load controllers can save up to 16 scenes.

There are several methods of changing the default scenes, use the method that matches your needs.

- End-User Method - Change the light levels for SCENE 2 or SCENE 3 on a ZUMMESH-KP10ABATT when all load controllers are easily accessible.
- Manual Method - Change the light levels for ON (scene 1) on a ZUMMESH-KP10BBATT, ZUMMESH-KP10CBATT, or ZUMMESH-KP10DBATT when all load controllers are easily accessible. Additionally, SCENE 2 and SCENE 3 light levels can be changed on a ZUMMESH-KP10B.
- Remote Method - Change the light levels for ON (scene 1), SCENE 2, or SCENE 3 on a ZUMMESH-KP10ABATT, ZUMMESH-KP10BBATT, ZUMMESH-KP10CBATT, or ZUMMESH-KP10DBATT when a load controller is not physically accessible.

NOTE: A dimmer lowered to 0% will turn the dimmer off when the scene is recalled.

**NOTE:** A load controller that is not bound to the keypad cannot be part of the scene.

End-User Method:

1. Set all load controllers that are bound to the keypad to their desired light level.
2. Press and hold the **SCENE 2** or **SCENE 3** button on the keypad until the LED lights (about 5 seconds). The light levels are saved to the pressed button.
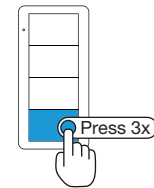

Manual Method:

NOTE: Scene 2 and Scene 3 can also be changed.

1. Enter Scene Setting Mode using the keypad that will recall the scene.
   a. Press and hold both the top and bottom buttons until the LED lights (about 5 seconds).
   b. Press the top button two times.
   c. Press the bottom button once. The LED on the keypad flashes its LED two times every two seconds to indicate that it is in Scene Setting mode. Load controllers that are bound to the keypad flash their LED rapidly.
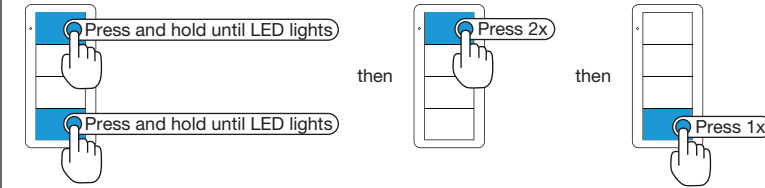
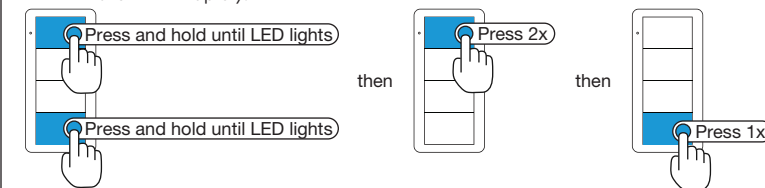Press and hold until LED lights / Press 2x then / Press and hold until LED lights then Press 1x

NOTE: Scene Setting Mode exits after 5 minutes when initiated from an ac-powered keypad or 1 minute when initiated from a battery powered keypad.

2. Adjust all light levels.
   - Using a dimmer, press and hold the top button to raise the light level or press and hold the bottom button to lower the light level.
   - Using a switch, press the top button to turn the lights on or press the bottom button to turn the lights off.
   - Using a J-box load controller, press and hold the **TEST** button on the J-box device to cycle-dim the light.
3. Using the keypad that initiated Scene Setting mode, press the **ON**, **SCENE 2**, or **SCENE 3** button to save the light levels to the selected scene button.
4. Repeat steps 2 and 3 for each scene button.
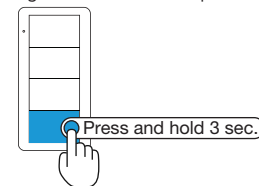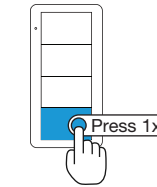5. Press the bottom button on the keypad 3 times to exit.

Press 3x

Remote Method:

1. Enter Scene Setting Mode using the keypad that will recall the scene.
   a. Press and hold both the top and bottom buttons until the LED lights (about 5 seconds).
   b. Press the top button two times.
   c. Press the bottom button once. The LED on the keypad flashes its LED two times every two seconds. Load controllers that are bound to the keypad flash their LED rapidly.

Press and hold until LED lights / Press 2x then / Press and hold until LED lights then Press 1x

NOTE: Scene Setting Mode exits after 5 minutes when initiated from an ac-powered keypad or 1 minute when initiated from a battery powered keypad.

2. Press and hold the bottom button of the keypad until a set of lights in the space flashes on and off twice (about 3 seconds) to indicate that it is selected load. The lights return to their previous level.

Press and hold 3 sec.

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3. Press the bottom button of the keypad to cycle through all of the load controllers in the Zūm space until the desired load starts flashing.

Press 1x

4. Adjust the light levels by holding the top button on the keypad to raise the light level or holding the bottom button on the keypad to lower the light level.
5. Press the **ON**, **SCENE 2**, or **SCENE 3** button to save the scene.
6. Repeat steps 3 through 5 until all load controllers and all scenes are defined.
7. Press the bottom button on the keypad 3 times to exit.

Press 3x
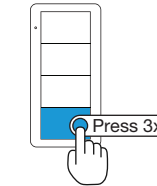
Factory Reset

Perform a factory reset when the device is removed from the network or to remove the configuration settings. The device must also be factory reset if the device is being moved to a different system.

NOTE: New-in-box devices do not need to be factory reset before joining a system.

To factory reset the ZUMMESH-KPBATT:

1. Press and hold the top and bottom buttons until the LED lights (about 5 seconds).
2. Press and hold the bottom button until the LED lights (about 10 seconds).

Press and hold until LED lights / Press and hold until LED lights then Press and hold until LED lights
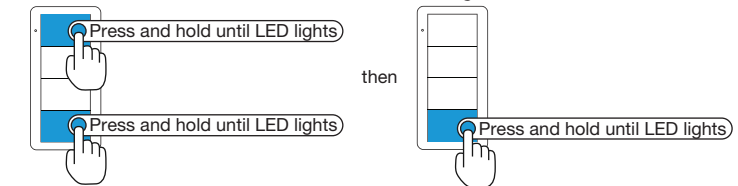
Specifications

The specifications for the keypad are listed below.

SPECIFICATION	DETAILS
Construction	
Composition	Plastic
Surface Mounting	Adheres to a smooth, flat wall surface using double-sided tape (included) or screws (not included)
Wall Box Mounting	Mounts to a 1-gang (or larger) electrical box
Faceplate	Requires a decorator-style faceplate (sold separately)
Dimensions	
Height	4.26 in (109 mm)
Width	1.76 in (45 mm)
Depth	0.42 in (11 mm)
Power	
Battery	Battery (1) CR2032 3 Volt lithium coin cell disposable battery (included)
Battery Life	Battery Life ≥5 years
Environmental	
Temperature	32° to 104 °F (0° to 40 °C)
Humidity	10% to 90% RH (noncondensing)
Enclosure	1-gang mountable; Requires decorator-style faceplate (not included)