CRESTRON.

Description

The Crestron® ZUMMESH-KPBATT is an extremely slim battery-powered Zūm™ wireless keypad with flexible installation. The ZUMMESH-KPBATT is a versatile and easy-to-use addition to the Zūm commercial lighting system. Powered by a battery and slim enough to mount to the surface of a wall, the keypad's streamlined design and out-of-the-box functionality make it ideal for new or retrofit installations.

Zūm keypads are preprogrammed. Install a keypad in a room with a Zūm J-Box Zone Controller (sold separately), perform a series of button taps, and then use the keypad to control the lights in the room – no programming required! 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

A basic single-room Zūm system consists of Zūm mesh devices, i.e., dimmers, switches, keypads, and sensors. The Zūm mesh devices in the room communicate directly with each other without the need for a centralized gateway or processor.

To monitor or control the room from a centralized Crestron control system, use the ZUMMESH-NETBRIDGE.

NOTE: The ZUMMESH-NETBRIDGE requires a J-box device to provide power.

For quick network setup, use the Zūm app on a smartphone or tablet.

SPECIFICATION	DETAILS
Power Requirements	CR2032 coin cell battery (included); Provides at least 5 years of battery life
Enclosure	1-gang mountable; Requires decorator-style faceplate (sold separately)
Environmental	
Temperature	30° to 104 °F (0° to 40 °C)
Humidity	10% to 90% RH (noncondensing)
Dimensions	
Height	4.25 in (108 mm)
Width	1.77 in (45 mm)
Depth	0.39 in (10 mm)

Additional Resources

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

Installation

**NOTES**: 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 supplied).

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

Single-Gang Box Mounting

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


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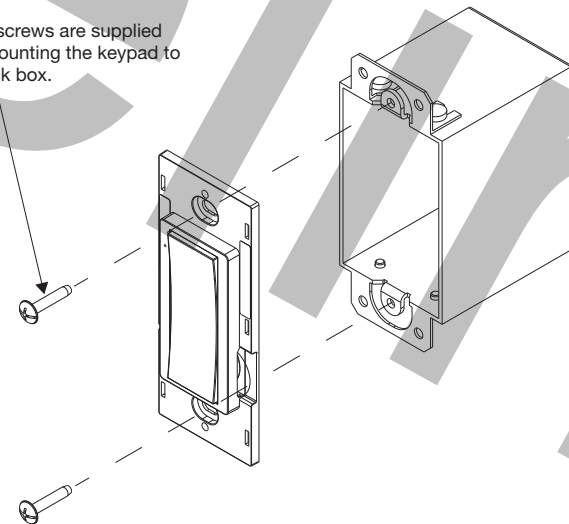
### Double-Sided Tape Mounting

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.
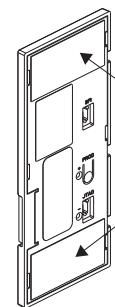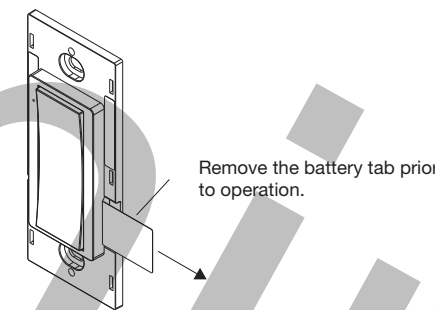

Two pieces of tape are supplied to mount the keypad without a backbox.

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.
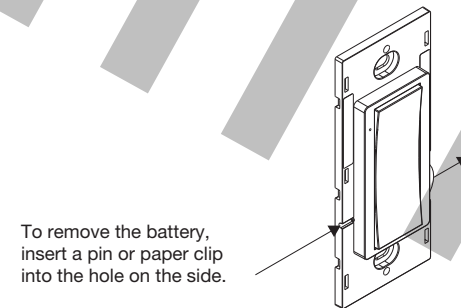

Press firmly to ensure proper adhesion.
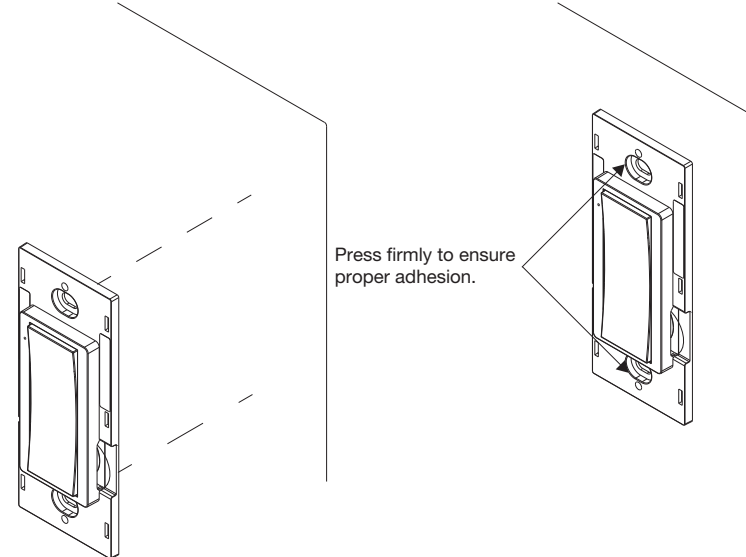
Battery

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.
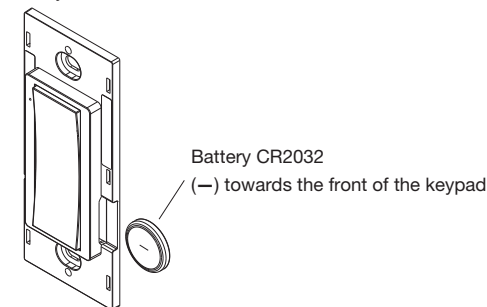

To remove the battery, insert a pin or paper clip into the hole on the side.

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
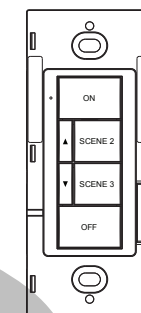Press: Turns lights off
Hold: Lowers lights
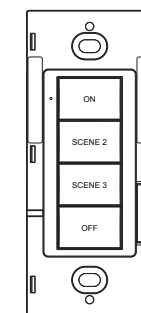
ZUMMESH-KP10BBATT Button Functions

On
Press: Recalls Scene 1
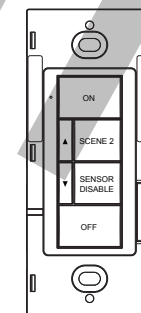Hold: Raises lights

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: Lowers lights

^
Hold: Raises lights

v
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: Lowers lights

^
Hold: Raises lights

v
Hold: Lowers lights

Basic Room Setup

A basic single-room Zūm system consists of Zūm mesh devices, i.e., dimmers, switches, keypads, and sensors. The Zūm mesh devices in the room communicate directly with each other without the need for a centralized gateway or processor.

To set up a new single-room Zūm system, do the following:

Step 1a: Create a new single-room Zūm system.

Step 2: Add Zūm mesh devices to the room.

Step 3: Finish creating the single-room Zūm system.

To modify an existing Zūm system, do the following:

Step 1b: Place the system in Joining mode.

Step 2: Add Zūm mesh devices to the room.

Step 3: Finish creating the single-room Zūm system.

Step 1a – Creating a Single-Room Zūm System

To create a new single-room Zūm system, first form a new room.

NOTE: This can be performed on only one device in the room.

NOTE: The device that is used to create the room is automatically added to the room. The device does not need to be added to the room.

NOTE: A room can be created only from an ac-powered device.

Start a New Single-Room System with a Keypad, Dimmer, or Switch

Press the bottom button 5 times, and then press and hold the bottom button for 2 seconds. If the device is not factory fresh, hold the button for 10 seconds. Release the button when the LED lights. The LED illuminates for 3 seconds and then slowly flashes to indicate that the room is in Joining mode and that other devices can join the room.

2s or 10s

Start a Single-Room System with a J-Box Device

Press the SETUP button 5 times, and then press and hold the SETUP button for 2 seconds. If the device is not factory fresh, hold the button for 10 seconds. Release the button when the LED lights. The LED illuminates for 3 seconds and then slowly flashes to indicate that the room is in Joining mode and that other devices can join the room.


2s or 10s
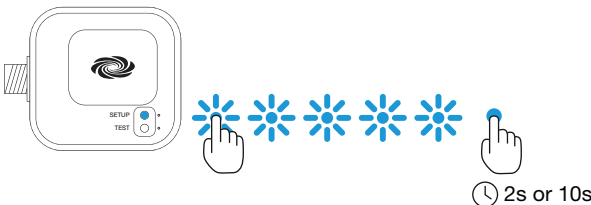
Step 1b – Expanding an Existing Single-Room Zūm System

To allow other devices to join the room, place the single-room Zūm system into Joining mode. Joining mode can be enabled from any ac-powered device or battery keypad that is already part of the room.

Expand a Single-Room Zūm System Using a Keypad

To enter Joining mode, press and hold both the top and bottom buttons for 5 seconds, wait for the LED to light, and then tap the top button once, and then the bottom button once.

5s
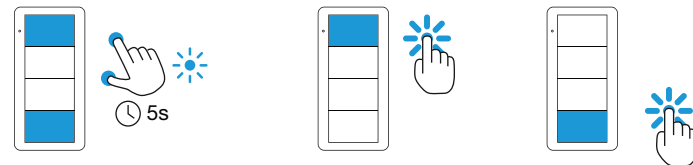
Expand a Single-Room Zūm System Using a J-Box Device

To enter Joining mode, tap the SETUP button 2 times, and then tap the TEST button.

Pressing any button on a device that is part of the network takes the system out of joining mode. Joining mode ends automatically after 4 minutes.

### Step 2 - Adding Zūm Mesh Devices to the Room

Adding Zūm mesh devices to a room is quick and easy. Add devices to the room when the room is in Joining mode. Joining mode is automatically enabled after a single-room Zūm system is started (see Step 1a). Joining mode can also be enabled manually (see Step 1b).

The LEDs on all ac-powered devices in the system blink when the system is in Joining mode.

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

NOTE: The Zūm mesh device used to create the room is already part of the network. It does not need to be added to the network.

To add a keypad to the room, press the top button 3 times, and then press and hold the top button for 2 seconds. If the device is not factory fresh, hold the button for 10 seconds. Release the button when the LED lights. The LED blinks slowly to indicate that it is part of the room and that the room is still in Joining Mode.

2s or 10s
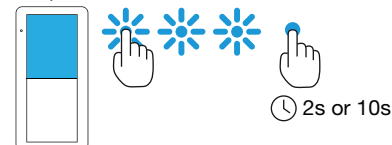
While the device searches for a network to join, the LED flashes fast. When the device successfully joins a network, the LED lights for 3 seconds. After joining the room, the LED turns off. Unlike the LED on ac-powered devices, the LED on battery-powered devices does not slow blink to show that it has joined the network.

Step 3 - Finishing the Single-Room Zūm System

Press any button on a device that has already joined the network to end the setup process (e.g., the top button of a keypad or the SETUP button of a J-box device that is blinking its LED).

Creating Scenes

Setting the scenes alters the default presets to allow customization of the brightness levels when a button is pressed. Set scenes using the End-User Method, Manual Method, or the Remote Method.

NOTE: Only load controllers bound to this keypad can be in the keypad's scenes.

NOTE: All load controllers bound to this keypad must be in this keypad's scenes.

End-User Method

The end-user method allows fast and efficient setting of the presets. The end-user method is only applicable to SCENE 2 and SCENE 3. It cannot be used on 2-button keypads, and cannot be used to save the ON (scene 1 preset) scene.

To customize presets, do the following:

1. Go to each load controller that is bound to the keypad and set the loads to the desired brightness level for the scene.

2. Hold the SCENE 2 or SCENE 3 button for 5 seconds to save the current light levels to the pressed button.

Manual Method

Use the Manual Method when each load controller is physically accessible.
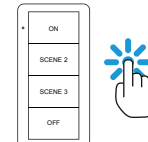
To customize presets, do the following:

1. Using the keypad in the room, hold the top and bottom buttons simultaneously for 5 seconds until the LED flashes. Then press the top button 2 times, and then the bottom button once.

   • The keypad blinks its LED 2 times every 2 seconds.

   • Load controllers that are linked with the keypad fast blink their LED.

5s
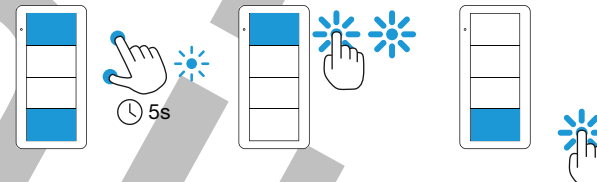
2. Adjust the load levels.

   • Using the dimmers, adjust all load levels in the room by pressing and holding the top button to raise the light level or the bottom button to lower the light level.

   • Using the switches, turn the loads on or off by pressing the top button to turn the load on or the bottom button to turn the load off.

   • Using the load controllers, press and hold the TEST button on the J-box device to cycle-dim the load.

3. Using the keypad in the room, press the ON, SCENE 2, or SCENE 3 button that should recall the current levels. This saves the levels to the scene.
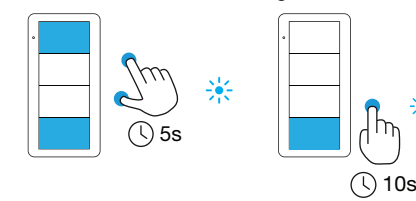

4. Repeat steps 2 and 3 for all scenes.

5. Tap the bottom button on the keypad 3 times to exit scene setting.

Remote Method

Use the Remote Method when load controllers are not physically accessible.

To customize presets, do the following:

1. Using the keypad in the room, hold the top and bottom buttons simultaneously for 5 seconds until the LED flashes. Then press the top button 2 times, and then the bottom button once.

5s
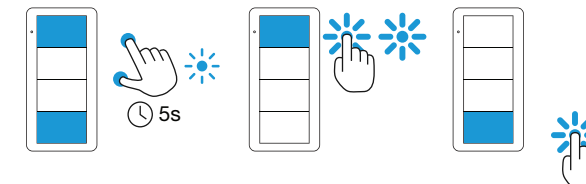
3. Hold the bottom button for 3 seconds until one of the loads in the room begins to flash. The load that is flashing is the "Selected" load.

4. Tap the bottom button to cycle through the loads until the desired load flashes. The load flashes twice and then returns to its previous light level to indicate that it is selected.

5. Adjust the brightness by holding the top button on the keypad to raise the light level or holding the bottom button to lower the light level.

6. To save the light level to a scene, press the ON, SCENE 2, or SCENE 3 button.

7. Press the bottom button to select the next load controller that is bound to this keypad. The load flashes twice and then returns to its previous light level to indicate that it is selected.

8. Repeat steps 4 through 6 for additional load controllers until all load controllers and all scenes are defined.

9. Tap the bottom button 3 times to exit.

Factory Reset

Press any button on a device that has already joined the network to end the setup process (e.g., the top button of a keypad or the SETUP button of a J-box device that is blinking its LED).

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

To factory reset a keypad, press and hold the top and bottom buttons for 5 seconds until the LED lights, and then release both buttons. Then, press and hold the bottom button for 10 seconds until the LED lights.

5s

10s