

# ZUMMESH-KPAVBATT

## Zum™ Battery-Powered Wireless AV Keypad

The Zum? Battery-Powered Wireless AV Keypad (ZUMMESH-KPAVBATT) is designed to expand the capabilities of a Zum commercial room lighting system to add control of AV and other system functions. It can be added to any room equipped with a Zum AV Bridge (ZUMMESH-AVBRIDGE) and a local AV control system.<sup>[1]</sup> Models are available with either four or six buttons, which may be ordered with custom button engraving or pre-labeled for basic power, source selection, and volume control.<sup>[2]</sup> Each button can be assigned to control any system function via the AV control system program (custom commissioning required).

Zum AV keypads afford a clean, consistent appearance for every control on the wall when installed alongside Zum lighting keypads and wall-box dimmers. Their slim design allows for mounting to a standard electrical box, or they can be attached directly to the wall using screws or two-sided adhesive tape. A finished installation requires a decorator-style faceplate (**sold separately**).

Zum AV keypads are battery powered and completely wireless. They can operate for five years or more on a single lithium battery (included). Zum Mesh wireless technology affords easy “pair and play” setup as part of a complete Zum commercial room lighting system.

Note: Zum wireless AV keypads do not control the Zum lighting devices. Instead, they report their button presses to the AV control system via the Zum AV bridge. This allows the button presses to be utilized by the control system program to control any AV system function. Refer to the ZUMMESH-AVBRIDGE spec sheet for additional information.

Please refer to the **Zum Lighting Control System Setup Guide (Doc # 7957)** for additional information.

- > *A Zum? wireless keypad for control of AV system functions*
- > *Matches the appearance of Zum lighting keypads and wall-box dimmers*
- > *Communicates with a local AV control system via the Zum AV Bridge<sup>[1]</sup>*
- > *Choice of four or six pushbuttons*
- > *Available with pre-designated “AV” button labelling or custom engraving<sup>[2]</sup>*
- > *Battery-powered and completely wireless*
- > *Zum Mesh peer-to-peer RF wireless communications<sup>[3]</sup>*
- > *Operates for five years or more on a single lithium battery (included)*
- > *Mounts directly to any flat wall surface with no holes or box required*
- > *Allows for mounting to a single-gang or multi-gang electrical box*
- > *Available in smooth white, almond, black, gray, or red*

NO PHOTO AVAILABLE

## SPECIFICATIONS

### Controls & Indicators

#### Buttons

(-KP10AV1BATT models)(4) Pushbuttons as follows: ON, AIRMEDIA, LAPTOP, OFF

#### Buttons

(-KP10AV2BATT models)(6) Pushbuttons as follows: ON, ?, ?, AIRMEDIA, LAPTOP, OFF

#### Buttons

(-KP10AV3BATT models)(4) Pushbuttons as follows: POWER, AIRMEDIA, LAPTOP, CABLE/SAT

#### Buttons

(-KP10AV4BATT models)(6) Pushbuttons as follows: POWER, ?, ?, AIRMEDIA, LAPTOP, CABLE/SAT

#### Buttons

(-KP10AV4BATT ENGRAVED models)(6) Pushbuttons with custom engraving<sup>[2]</sup>

#### Buttons

(-KP10AV5BATT ENGRAVED models)(4) Pushbuttons with custom engraving<sup>[2]</sup>

Buttons are assignable to any function via the control system program; also used for room setup and factory reset

**Feedback:** (1) Bi-color LED, green indicates a button press, red indicates a low battery condition when a button is pressed; also used for room setup and factory reset

### Wireless Communications

**RF Transceiver:** Zum Mesh 2-way RF, 2.4 GHz ISM Channels 15, 20, 25, or 26 (channel auto-selected), IEEE 802.15.4 compliant

**Range:** 50 ft (15 m) to nearest peer-to-peer mesh network device(s), subject to site-specific conditions and individual device capabilities<sup>[3]</sup>

Note: A maximum of 32 Zum Mesh wireless devices is permitted per room.

Note: A single ZUMMESH-AVBRIDGE is required per room to enable one or more ZUMMESH-KPAVBATT keypads in the room.

### Power

**Battery:** (1) CR2032 3 Volt lithium coin cell disposable battery (included)

**Battery Life:** &ge;5 years

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## Environmental

**Temperature:** 32° to 104° F (0° to 40° C)  
**Humidity:** 10% to 90% RH (non-condensing)

## Construction

**Composition:** Plastic; almond, black, white, gray, or red smooth finish  
**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)

## Weight

2.3 oz (65 g)

## Compliance

UL Listed for US & Canada, IC, FCC Part 15 Class A digital device

## Available Models

**ZUMMESH-KP10AV1BATT-A-S [6508480]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Almond Smooth [Available October, 2017]  
**ZUMMESH-KP10AV1BATT-B-S [6508481]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Black Smooth [Available October, 2017]  
**ZUMMESH-KP10AV1BATT-W-S [6508482]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, White Smooth [Available October, 2017]  
**ZUMMESH-KP10AV1BATT-GRY-S [6508484]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Gray Smooth [Available October, 2017]  
**ZUMMESH-KP10AV1BATT-RED-S [6508483]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Red Smooth [Available October, 2017]  
**ZUMMESH-KP10AV2BATT-A-S [6508485]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Almond Smooth [Available October, 2017]  
**ZUMMESH-KP10AV2BATT-B-S [6508486]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Black Smooth [Available October, 2017]  
**ZUMMESH-KP10AV2BATT-W-S [6508487]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, White Smooth [Available October, 2017]  
**ZUMMESH-KP10AV2BATT-GRY-S [6508489]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Gray Smooth [Available October, 2017]  
**ZUMMESH-KP10AV2BATT-RED-S [6508488]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Red Smooth [Available October, 2017]  
**ZUMMESH-KP10AV3BATT-A-S [6508490]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Almond Smooth [Available October, 2017]  
**ZUMMESH-KP10AV3BATT-B-S [6508491]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Black Smooth [Available October, 2017]  
**ZUMMESH-KP10AV3BATT-W-S [6508492]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, White Smooth [Available October, 2017]  
**ZUMMESH-KP10AV3BATT-GRY-S [6508494]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Gray Smooth [Available October, 2017]

**ZUMMESH-KP10AV4BATT-RED-S [6508498]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button, 3 Sources & Power, Red Smooth [Available October, 2017]  
**ZUMMESH-KP10AV4BATT-A-S ENGRAVED [6508544]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Almond Smooth [Available October, 2017]  
**ZUMMESH-KP10AV4BATT-B-S ENGRAVED [6508545]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Black Smooth [Available October, 2017]  
**ZUMMESH-KP10AV4BATT-W-S ENGRAVED [6508546]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, White Smooth [Available October, 2017]  
**ZUMMESH-KP10AV4BATT-GRY-S ENGRAVED [6508548]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Gray Smooth [Available October, 2017]  
**ZUMMESH-KP10AV4BATT-RED-S ENGRAVED [6508547]:** Zum™ Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Red Smooth [Available October, 2017]  
**ZUMMESH-KP10AV5BATT-A-S ENGRAVED [6508539]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Almond Smooth [Available October, 2017]  
**ZUMMESH-KP10AV5BATT-B-S ENGRAVED [6508540]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Black Smooth [Available October, 2017]  
**ZUMMESH-KP10AV5BATT-W-S ENGRAVED [6508541]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, White Smooth [Available October, 2017]  
**ZUMMESH-KP10AV5BATT-GRY-S ENGRAVED [6508543]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Gray Smooth [Available October, 2017]  
**ZUMMESH-KP10AV5BATT-RED-S ENGRAVED [6508542]:** Zum™ Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Red Smooth [Available October, 2017]

## Available Accessories

**FP-G1-A-S [6506263]:** Decorator Style Faceplate, 1-Gang, Almond Smooth [Only for: ZUMMESH-KP10AV1BATT-A-S, ]  
**FP-G1-B-S [6506261]:** Decorator Style Faceplate, 1-Gang, Black Smooth [Only for: ZUMMESH-KP10AV1BATT-A-S, ]  
**FP-G1-W-S [6506259]:** Decorator Style Faceplate, 1-Gang, White Smooth [Only for: ZUMMESH-KP10AV1BATT-A-S, ]  
**FP-G1-GRY-S [6506286]:** Decorator Style Faceplate, 1-Gang, Gray Smooth [Only for: ZUMMESH-KP10AV1BATT-A-S, ]  
**FP-G1-RED-S [6507953]:** Decorator Style Faceplate, 1-Gang, Red Smooth [Only for: ZUMMESH-KP10AV1BATT-A-S, ]  
**ZUMMESH-AVBRIDGE [6507997]:** Zum™ AV Bridge [Available October, 2017]

## Notes:

1. Item(s) sold separately. A single ZUMMESH-AVBRIDGE is required per room to enable one or more ZUMMESH-KPAVBATT keypads in the room. Refer to each product's spec sheet for more information.
  2. Custom engraving must be specified at the time of order. Buttons cannot be changed or replaced in the field.
  3. "Zum Mesh" refers to the peer-to-peer wireless mesh network within a room composed of dimmers, switches, load controllers, keypads, and sensors. AC-powered Zum Mesh devices function as routing nodes, which effectively extend the range of the wireless network within the room. The ZUMMESH-KPAVBATT and other battery-powered devices only function as leaf nodes and do not extend range. Networks composed predominantly of battery-powered devices may require additional AC-powered devices, such as the ZUMMESH-JBOX-PSU, to serve as supplemental routing nodes to fill any gaps in coverage. Refer to the "Installation and Setup of Crestron RF Products, Best Practices" guide (Doc #6689) for additional guidelines.
- This product may be purchased from an authorized Crestron dealer or distributor. 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/salesreps](http://www.crestron.com/salesreps) or by calling

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