ZUMMESH-KPAVBATT

Battery-Powered Wireless AV Keypad

> A wireless keypad for control of AV and other system functions

> 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

> Choice of four or six pushbuttons

> Available with predesignated "AV" button labelling or custom engraving [3]

> Connects to a control system or computer via the AV Bridge [1,4]

> Zūm™ Mesh peer-to-peer RF wireless communications [2]

> Operates for five years or more on a single lithium battery (included)

> Available in smooth white, almond, black, gray, or red finishes

> Matches the appearance of Zūm lighting keypads and wall-box dimmers

> Matching decorator-style faceplate available separately

Model ZUMMESH-KP10AV1BATT-W-S shown, faceplate sold separately.

The Crestron® Battery-Powered Wireless AV Keypad (ZUMMESH-KPAVBATT) can be mounted virtually anywhere to enable simple control of AV and other functions through integration with a control system or computer. Its slim design allows it to be attached directly to any suitable flat surface using screws or two-sided adhesive tape. It can also be mounted to a standard electrical box. One or more keypads can be mounted together, or alongside other decorator-style devices, and finished with an FP-G series faceplate (sold separately).

The ZUMMESH-KPAVBATT is battery powered and completely wireless. It can operate for five years or more on a single lithium coin cell battery (included). Connection to the control system or computer is facilitated using an AV Bridge (ZUMMESH-AVBRIDGE). No other wireless gateway is required. Zūm™ Mesh peer-to-peer wireless technology affords reliable operation with easy "pair and play" setup. Up to eight keypads can be paired with a single AV Bridge.[1,2]

The ZUMMESH-KPAVBATT is available with either four or six buttons, which may be ordered with custom button engraving [3] or pre-labeled for basic power, source selection, and volume control. Each button can be assigned to control any system function via the control system program or computer program.[4]

The ZUMMESH-KPAVBATT is ideal for expanding the capabilities of a Zūm commercial lighting system to add control of AV and other system functions. Installed alongside Zūm lighting keypads and wall-box dimmers, they afford a cohesive appearance for every control on the wall.

Slim profile, wireless operation, and long-life battery power enables mounting to any flat wall surface without requiring any holes, wires, or back box

CRESTRON®

ZUMMESH-KP10AV1BATT   **ZUMMESH-KP10AV2BATT**   **ZUMMESH-KP10AV3BATT**   **ZUMMESH-KP10AV4BATT**

Pre-Labeled Button Options (by model)

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 [3]
Buttons (-KP10AV5BATT ENGRAVED models): (4) Pushbuttons with custom engraving [3]
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: Zūm Mesh 2-way RF, 2.4 GHz ISM Channels 15, 20, 25, or 26 (channel auto-selected), IEEE 802.15.4 compliant, AES-128 encryption
Range: 50 ft (15 m) to nearest peer-to-peer mesh network device(s), subject to site-specific conditions and individual device capabilities [2]

Note: A maximum of 32 Zūm Mesh wireless devices, inclusive of a maximum of 8 battery-powered keypads, 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: ≥5 years

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

MODELS & ACCESSORIES

Available Models

ZUMMESH-KP10AV1BATT-A-S: Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Almond Smooth

ZUMMESH-KP10AV1BATT-B-S: Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Black Smooth

ZUMMESH-KP10AV1BATT-GRY-S: Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Gray Smooth

ZUMMESH-KP10AV1BATT-RED-S: Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, Red Smooth

ZUMMESH-KP10AV1BATT-W-S: Battery-Powered Wireless AV Keypad, 4-Button, 2 Sources & Discrete Power, White Smooth

ZUMMESH-KP10AV2BATT-A-S: Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Almond Smooth

ZUMMESH-KP10AV2BATT-B-S: Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Black Smooth

ZUMMESH-KP10AV2BATT-GRY-S: Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Gray Smooth

ZUMMESH-KP10AV2BATT-RED-S: Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, Red Smooth

ZUMMESH-KP10AV2BATT-W-S: Battery-Powered Wireless AV Keypad, 6-Button, 2 Sources & Discrete Power, White Smooth

ZUMMESH-KP10AV3BATT-A-S: Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Almond Smooth

ZUMMESH-KP10AV3BATT-B-S: Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Black Smooth

ZUMMESH-KP10AV3BATT-GRY-S: Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Gray Smooth

ZUMMESH-KP10AV3BATT-RED-S: Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, Red Smooth

ZUMMESH-KP10AV3BATT-W-S: Battery-Powered Wireless AV Keypad, 4-Button, 3 Sources & Power, White Smooth

ZUMMESH-KP10AV4BATT-A-S: Battery-Powered Wireless AV Keypad, 6-Button, 3 Sources & Power, Almond Smooth

ZUMMESH-KP10AV4BATT-B-S: Battery-Powered Wireless AV Keypad, 6-Button, 3 Sources & Power, Black Smooth

ZUMMESH-KP10AV4BATT-GRY-S: Battery-Powered Wireless AV Keypad, 6-Button, 3 Sources & Power, Gray Smooth

ZUMMESH-KP10AV4BATT-RED-S: Battery-Powered Wireless AV Keypad, 6-Button, 3 Sources & Power, Red Smooth

ZUMMESH-KP10AV4BATT-W-S: Battery-Powered Wireless AV Keypad, 6-Button, 3 Sources & Power, White Smooth

ZUMMESH-KP10AV4BATT-A-S ENGRAVED: Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Almond Smooth

ZUMMESH-KP10AV4BATT-B-S ENGRAVED: Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Black Smooth

ZUMMESH-KP10AV4BATT-GRY-S ENGRAVED: Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Gray Smooth

ZUMMESH-KP10AV4BATT-RED-S ENGRAVED: Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, Red Smooth

ZUMMESH-KP10AV4BATT-W-S ENGRAVED: Battery-Powered Wireless AV Keypad, 6-Button w/Custom Engraving, White Smooth

ZUMMESH-KP10AV5BATT-A-S ENGRAVED: Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Almond Smooth

ZUMMESH-KP10AV5BATT-B-S ENGRAVED: Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Black Smooth

ZUMMESH-KP10AV5BATT-GRY-S ENGRAVED: Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Gray Smooth

ZUMMESH-KP10AV5BATT-RED-S ENGRAVED: Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, Red Smooth

ZUMMESH-KP10AV5BATT-W-S ENGRAVED: Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving, White Smooth

Available Accessories

FP-G Series: Decorator-Style Faceplate
ZUMMESH-AVBRIDGE: AV Bridge – Wireless Control Integration Module

Notes:

1. A single ZUMMESH-AVBRIDGE (sold separately) is required per room to enable one or more ZUMMESH-KPAVBATT keypads in the room. Refer to the ZUMMESH-AVBRIDGE spec sheet for more information.
2. The ZUMMESH-KPAVBATT uses "Zūm Mesh" wireless technology to connect and communicate with the ZUMMESH-AVBRIDGE. Zūm Mesh is a peer-to-peer wireless mesh network designed to operate within a single room. The ZUMMESH-AVBRIDGE and all AC-powered Zūm 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.
3. Custom engraving must be specified at the time of order. Buttons cannot be changed or replaced in the field.
4. Custom commissioning is required when integrating with a control system. Custom software is required when integrating with a computer.

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 http://www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: http://patents.crestron.com.

Certain Crestron products contain open source software. For specific information, visit http://www.crestron.com/opensource.

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