Wireless 2, 3, and 6-Button Keypad Installation Guide

Supported Models and Requirements
- C4-KP2-Z Wireless 2-Button Keypad
- C4-KP3-Z Wireless 3-Button Keypad
- C4-KP6-Z Wireless 6-Button Keypad

Specifications
This Control4® multi-button Keypad is intended for use in a Control4® system. It installs in a standard wall box using typical wiring specifications and meets the Control4® system wiring connection. The specifications are described next.

Power: 120 VAC +/-10% 50/60 Hz
This device requires a neutral AC connection.

Supported Load Types:
Communications: 802.11a, b, 4, 24 GHz, 2x1, spread spectrum radio

Warnings and Considerations
WARNING Install in accordance with all national and local electrical codes. Implant use or installation can cause SERIOUS INJURY or DEATH. Do NOT use for any electrical applications. This product is not intended for use as a substitute for a qualified electrician.

IMPORTANT! If you are unsure about any part of these instructions, consult a qualified electrician.

WARNING To reduce the risk of SERIOUS INJURY or DEATH, turn OFF local electrical power before installing this product, and before installing, removing, or replacing keycaps.

IMPORTANT! Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is not liable for any damages incurred with the misuse of this product. See “Limited 2-Year Warranty.”

IMPORTANT: Do NOT use a power screwdriver to install the device. If you do, you may overload the screw and strip them.

IMPORTANT! This is an electronic device with intricate components. Handle with infinite care.

Installation Instructions
1. Ensure that the location and intended use meet the following criteria:
   - When replacing a traditional 3-way switch, refer to the “Two-Location” sample wiring configuration provided in the following documents:
     - Wireless Dimmer Installation Guide
     - Wireless Switch Installation Guide
   - Install in accordance with all national and local electrical codes.
   - The required wall box size is specified by the NEC (National Electrical Code).
     The internal wall box volume occupied by this multi-button keypad is 5.0 cubic inches.
   - The range and performance of the wireless control system is highly dependent on the following: (1) distance between devices; (2) layout of the home; (3) metal separating devices; and (4) electrical equipment located near devices.
   - If you are planning to use engraved keycaps for 3-Button and 6-Button Keypads, DO NOT continue until you have read the “Replace Keycaps” section.

2. Turn off the local electrical power by either switching off the circuit breaker or removing the fuse from the fuse box. To ensure the wires do NOT have power running to them, use an inductive voltage detector.

WARNING! As with any electrical device, improper use or installation can cause SERIOUS INJURY or DEATH. It is important that you understand the particular wiring configuration of your installation before proceeding. Note: To prevent shorting, use only the wires provided in the Hot, Neutral, and Ground wires, and ensure the device is properly grounded.

3. Prepare each wire. Wire insulation should be stripped back 5/16 of an inch from the wire end (as shown).

WARNING! WARNING! Ground the Wireless Keypad in accordance with the National Electric Code (NEC) requirements. Although the keypad’s aluminum section and ground wire are covered together inside the keypad, DO NOT rely solely upon the plate’s contact with a metal wall box for adequate grounding. Use the Keypad’s ground wire to make a secure connection to the safety ground of the electrical system.

IMPORTANT! Not grounding this product according to the preceding may result in an installation that is susceptible to damage caused by electrical disturbances, such as lightning, and void the warranty.

If you need to “Replace Keycaps” or “Multi-Button Installations,” refer to those instructions and sections before continuing.

5. Identify and connect the multi-button Keypad wires to the wall box wires using the wire nuts.
   - Note: Wall box wires can differ depending upon how the box was wired by your electrician.

To wire the multi-button Keypad, connect and cap the wires with a wire nut as indicated in the following table:

<table>
<thead>
<tr>
<th>Multi-Button Keypad Wires</th>
<th>Wire in Wall Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3, 6-Button)</td>
<td>Multi-Button Keypad</td>
</tr>
<tr>
<td>White (neutral)</td>
<td>White (neutral)</td>
</tr>
<tr>
<td>Green (ground)</td>
<td>Green (ground)</td>
</tr>
<tr>
<td>Black (test)</td>
<td>Black (test)</td>
</tr>
</tbody>
</table>

6. Fill the wires back into the wall box. Bend the wires in a zigzag pattern so that they easily fold into the wall box.

7. If you are using the Control4® push-on (screwless) wall plate that shipped with your multi-button Keypad:
   - Align the multi-button Keypad to the wall box and fasten it with two screws. Tighten the screws until the back of the wall box is flush with the back of the Keypad. Further, overtightening can warp the multi-button Keypad and cause mechanical malfunction.

   a. With the wall plate’s removal slot facing down, push the wall plate onto the Keypad’s black plastic sub-plate.
   b. If you are using a Decorasonic screw-on wall plate:
      - a. Remove the multi-button Keypad’s black plastic sub-plate and place it for future use in case you later decide to use the Control4® wall plate.
      - b. Align the multi-button Keypad to the wall box and fasten it with two screws.
      - c. Fasten the wall plate to the multi-button Keypad with screws.
   c. Turn power at the circuit breaker or replace the fuse from the fuse box.
   d. Ensure that all LEDs on the front are lit.

Replace Keycaps
Note: Applies to Sudden and 6-Button Keypads only.

WARNING! To reduce the risk of SERIOUS INJURY or DEATH, turn OFF the local electrical power before installing, removing, or replacing keycaps.

Replace Keycaps
- Remove the individual black plastic sub-plate from each device and replace them with the engraved Keypad(s) of your choice.

1. Turn off the local electrical power.
2. Remove the screw-less or screw-on wall plate from the multi-button Keypad.
3. Remove the black plastic sub-plate from the multi-button Keypad by removing the screw at the top and bottom of the Keypad.
4. Pinch both sides of the Keypad retainer at both ends—taking care not to damage the retainer—then pull up on the retainer.
5. Turn OFF the local electrical power, using the new screws supplied with the multi-gang sub-plate, secure the multi-gang sub-plate to the wall box using the screws provided in the Keypad’s installation instructions and the Keypad’s wall plate.
6. Carefully snap the retainer back into place, taking care not to damage the retainer.
7. Replace the sub-plate with the screws. Reattach the wall plate.

Multi-Gang Installations
Multi-gang installations are configurations in which 2 (or more) devices are installed side-by-side in the same wall box. This keypad can be used in multi-gang installations if the multi-gang sub-plate is configured correctly.

If using a Control4® push-on (screwless) multi-gang wall plate:
Remove the individual black plastic sub-plate from each device and replace them with the multi-gang sub-plate that shipped with your Control4® multi-gang wall plate. The multi-gang sub-plate’s holes correctly determine and spaces each device properly.

WARNING! For ease of installation, each device’s wiring is pre-strung and must be installed in the same way so that the engraved key has been located properly. This multi-gang sub-plate allows two devices to create a simple structure. Then secure the structure by tightening the wall box screws the remaining 1/8 of an inch. Do not overtighten any of the screws or you may over tighten the flat plate of the multi-gang wall plate.

If using a Decorasonic screw-on multi-gang wall plate:
Remove the black plastic sub-plate from each device, just as you would for a single device (see Step 8 “Installation Instructions”), and store it for future use in case you later decide to use the Control4® wall plate.

Operation and Configuration
On initial power up, the unit will flash the Red/Green/Blue (RGB) LEDs which can be programmed with different colors for different states or color preferences. To set up this Keypad for use with a Control4® system, refer to the Composer Pro User Guide.

Troubleshooting
- Do NOT use any chemical cleaners to clean the multi-button Keypad.
- Clean surface with a soft damp cloth as needed.

Care and Cleaning
- Do NOT use any chemical cleaners to clean the multi-button Keypad.
- Do NOT paint the multi-button Keypad or its wall plate.
- Do NOT use any chemical cleaners to clean the multi-button Keypad.
- Clean surface with a soft damp cloth as needed.

Regulatory Compliance
FCC (IC) 398410302 for the 2-Button Keypad
FCC (IC) 398420302 for the 6-Button Keypad
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of this device.

Son GMBH & CO. KG declares that this product complies with the essential requirements and other relevant provisions of Directive 2014/30/EU.

ETL Statement
ETL Control Number: 3129831
This product has been tested by ETL and was found to comply with the Standard for Safety for Industrial Control Equipment.


CSA C22.2 #14-05, 2005. Industrial Control Equipment.

Industry Canada
- IC: 7848A-C4KP3Z for the 2 and 3-Button Keypad
- IC: 7848A-C4KP6Z for the 6-Button Keypad

This Class B digital apparatus complies with Canada ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

- ESD: The unit is subject to external electrical disturbances, such as: 1) power failures, 2) static electricity, and/or 3) shock. For help on the installation or operation of this product, call or contact the Control4 Technical Support Center. Please provide your unit model number: Contact support@control4.com or see the web site www.control4.com.

- Care and Cleaning: Do NOT use any chemical cleaners to clean the multi-button Keypad. Clean surface with a soft damp cloth as needed.

- DEATH or LOSS/DAMAGE OF PROPERTY.

- IMPORTANT! Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.

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Supported Models and Requirements
- C4-KP2-Z Wireless 2-Button Keypad
- C4-KP3-Z Wireless 3-Button Keypad
- C4-KP6-Z Wireless 6-Button Keypad

Specifications
This Control4 multi-button Keypad is intended for use in a Control4 system. It installs in a standard wall box using typical wiring standards and communicates with the Control4 system using a wireless connection. The specifications are described next.

Power:
120 VAC ±10% 50/60 Hz 60 Hz
This device requires a neutral AC connection.

Supported Load Types:
- Communications: E82 015.4, 24GHz, 15-channel, spread spectrum radio

Warnings and Considerations
- Install in accordance with all national and local electrical codes.

Improve use or installation can cause SERIOUS INJURY or DEATH. Harm or LOSS/DAMAGE OF PROPERTY.

WARNING! If unsure about any part of these instructions, consult a qualified electrician.

IMPORTANT! To reduce the risk of SERIOUS INJURY or DEATH, turn OFF local electrical power before installing this product, and before installing, removing, or replacing keycaps.

IMPORTANT! Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is not liable for any damage or loss incurred with the misuse of this product. See "Limited 2-Year Warranty". IMPORTANT! DO NOT use a power screwdriver to install this device. If you do, you may over-tighten the screws and strip them.

IMPORTANT! This is an electronic device with intricate components. Handle and install with care!

Wireless Dimmer Installation Guide
Wireless Switch Installation Guide

Supported Models and Requirements
- C4-KP2-Z Wireless 2-Button Keypad
- C4-KP3-Z Wireless 3-Button Keypad
- C4-KP6-Z Wireless 6-Button Keypad

Specifications
This Control4 multi-button Keypad is intended for use in a Control4 system. It installs in a standard wall box using typical wiring standards and communicates with the Control4 system using a wireless connection. The specifications are described next.

Power:
120 VAC ±10% 50/60 Hz 60 Hz
This device requires a neutral AC connection.

Supported Load Types:
- Communications: E82 015.4, 24GHz, 15-channel, spread spectrum radio

Warnings and Considerations
- Install in accordance with all national and local electrical codes.

Improve use or installation can cause SERIOUS INJURY or DEATH. Harm or LOSS/DAMAGE OF PROPERTY.

WARNING! If unsure about any part of these instructions, consult a qualified electrician.

IMPORTANT! To reduce the risk of SERIOUS INJURY or DEATH, turn OFF local electrical power before installing this product, and before installing, removing, or replacing keycaps.

IMPORTANT! Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is not liable for any damage or loss incurred with the misuse of this product. See "Limited 2-Year Warranty". IMPORTANT! DO NOT use a power screwdriver to install this device. If you do, you may over-tighten the screws and strip them.

IMPORTANT! This is an electronic device with intricate components. Handle and install with care!

Installation Instructions
1. Ensure that the location and intended use meet the following criteria:
   - When replacing a traditional 3-way switch, refer to the "Two-Location" sample configuration guidelines.
   - When replacing a traditional 3-way switch, refer to the "Two-Location" sample configuration guidelines.

2. Turn off the local electrical power by either switching off the circuit breaker or removing the fuse from the fuse box. To ensure the wires do NOT have power running to them, use an inductive voltage detector.

3. Prepare each wire. Wire insulation should be stripped back 5/8 in. from the wire end (as shown).

4. If you need to "Replace Keycaps" or do "Multi-Gang Installations," refer to those instructions before continuing.

5. Identify and connect the multi-button Keypad wires to the wall box using the wire nuts. Note: Wall box wires can differ depending on how the box was wired by your electrician.

   To wire the multi-button keypad, connect and cap the wires with a nut as indicated in the following table:
   - White (neutral)
   - Green (ground)
   - Black (hot)

6. Fit the wires back into the wall box. Bend the wires in a zigzag pattern so that they easily fold into the wall box.

7. If you are using the Control4 push-on (screwless) wall plate that shipped with your multi-button Keypad:
   - Align the multi-button Keypad to the wall box and fasten with 1-4 screws. Tighten the screws until the back side of the keypad is flush with the wall. Further, overtightening can cause the multi-button Keypad and cause mechanical malfunction.

   - With the wall plate’s removal slot facing down, push the wall plate onto the Keypad’s black plastic sub-plate.

   - If you are using a Decora-style screw-on wall plate:
     - Remove the multi-button keypad’s black plastic sub-plate and place it on fire use in case you later decide to use the Control4 wall plate.
     - Align the multi-button Keypad to the wall box and fasten with 1-4 screws.
     - Fasten the wall plate to the multi-button Keypad and secure it with 1-4 screws.
     - Turn off power at the circuit breaker or remove the fuse from the fuse box.

   8. Ensure that all LEDs on the front are lit.

Replace Keycaps
Note: Applies to 2 and 3-Button Keypads only.

Warning: To reduce the risk of SERIOUS INJURY or DEATH, turn OFF local electrical power before installing, removing, or replacing keycaps.

Control4 offers standard engraved keycaps and custom engraved keycaps (both sold separately) to enable you to personalize 3-Button and 6-Button Keypads.

1. If you are replacing keycaps:
   - Turn off the local electrical power.
   - Remove the screw-less or screw-on wall plate from the multi-button keypad.
   - Remove the black plastic sub-plate from the multi-button keypad by removing the screw at the top and bottom of the receiver.
   - Push both sides of the Keypad retainer at both ends—upward—towards the top of the keypad. Use your thumb to gently remove the retainer. DO NOT pry the retainer off with a screw driver.
   - Remove the keycaps from the Keypad retainer and replace each with the engraved Keypad(s) of your choice.
   - Carefully snap the Keypad retainer back into place, taking care not to damage the receiver or install the sub-plate with the screws. Reattach the wall plate.

Multi-Gang Installations
Multi-gang installations are configurations in which 2 (or more) devices are installed side-by-side in the same wall box. This can be accomplished by initially not screwing the devicesight tightly against the wall box, leaving about 1/8 in. of an inch gap between the wall box and the keypad. The devicesight is then moved and conform to the control4 wall plate. The multi-gang sub-plate inherently aligns and spaces each device properly.

TPM: For ease of installation, each device’s yoke plate must be even and aligned at flat plane so that the multi-gang sub-plate can sit flat against all of the devices. This can be accomplished by initially not screwing the devicesight tightly against the wall box, leaving about 1/8 in. of an inch gap between the wall box and the keypad. The devicesight is then moved and conform to the control4 wall plate. The multi-gang sub-plate inherently aligns and spaces each device properly.

Operation and Configuration
On initial power up, the unit will flash the Red/Green/Blue (RGB) LEDs which can be programmed with different colors for different states or color preferences. To set up this Keypad for use with a Control4 system, refer to the Composer Pro User Guide.

Troubleshooting
- One or more Light Emitting Diodes (LEDs) are not lit:
   - Ensure circuit breaker is not turned off or tripped.
   - Check for proper seating and that the LED is not obstructed.

For help on the installation or operation of this product, email or call the Control4 Technical Support Center. Please provide your exact model number. Contact support@control4.com or see the web site www.control4.com.

Care and Cleaning
- Do NOT use a power screwdriver to install or remove the keypad.
- Do NOT use any chemical cleaners to clean the multi-button keypad.
- Clean surface with a soft damp cloth as needed.

Regulatory Compliance
FCC (ID): R33C4KP2Z for the 2 and 3-Button Keypad
FCC (ID): R33C4KP6Z for the 6-Button Keypad

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of this device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the device to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ETL Statement
ETL Control Number: 3129831

This product has been tested by ETL and was found to comply with the Standard for Safety for Industrial Control Equipment.


Industry Canada
- IC: 146A-C4KP2Z for the 2 and 3-Button Keypad
- IC: 146A-C4KP6Z for the 6-Button Keypad

This Class B digital apparatus complies with Canada ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Compliance est sujet au de deux conditions suivantes: (1) il doit ne pas causer d'interférence et (2) ce dispositif doit accepter toute interférence reçue, y compris les interférences qui peuvent causer un fonctionnement peu désirable du dispositif.
Recycling
For recycling information, please go to www.control4.com/recycling.

Limited 2-Year Warranty
For complete warranty information, including details on consumer legal rights as well as warranty exclusions, visit www.control4.com/warranty.

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