Wireless Switch Installation Guide

Supported Models
LSZ-102-W Wireless Switch (White)
LSZ-102-B Wireless Switch (Black)
LSZ-102-A Wireless Switch (Almond)

This device requires a neutral AC connection.

Specifications and Supported Fixtures
This Control4® Wireless Switch operates independently or as part of a Control4® home automation system to enable intelligent lighting control. It installs in a standard wall box using typical wiring standards and communicates with other devices through a wireless RF (radio frequency) connection.

Power:
- 120 VAC ±10%, 50/60 Hz
- 1.49 W—LEDs Off
- 1.77 W—LEDs On

Supported Load Types and Ratings:
- 120 VAC 500 W Tungsten
- 120 VAC 1000 W Resistive
- 120 VAC 1000 W Electronic Low Voltage
- 120 VAC 1000 W Magnetic Low Voltage

Operating Temperature: 25 degrees Celsius

Communications: ZigBee, IEEE 802.15.4, 2.4 GHz, 15-channel, spread spectrum radio

Warnings & Considerations

WARNING! Improper use or installation can cause SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY.

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

WARNING! Use this device only with copper or copper clad wire. This product has NOT been approved for use with Aluminum wire.

IMPORTANT! Use or modification of this product in a manner not expressly approved by Control4 voids your warranty. Further, Control4 is NOT liable for any damage incurred with the misuse of this product. See "Limited 2 Year Warranty." Any damage incurred with the misuse of this product will NOT be approved for use with Aluminum wire.

IMPORTANT! Improper use or installation can cause SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY.

IMPORTANT! Install this device as this may lead to over-tightening.

IMPORTANT! Tighten the screws until the back side of the metal yoke plate is even with the wall surface, but no farther. Over-tightening can damage the switch and cause mechanical malfunction. Do NOT use a power screwdriver to install this device as this may lead to over-tightening.

IMPORTANT! 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) walls separating devices; and (4) electrical equipment located near devices.

Product Details

- **Volume:** Operating
- **Power:** 120 VAC +/-10% 50/60 Hz
- **Supported Models:**
  - LSZ-102-A Wireless Switch (Almond)
  - LSZ-102-B Wireless Switch (Black)
  - LSZ-102-W Wireless Switch (White)

Sample Wiring Configurations

### Single-Location Scenario—Power Source at Wall Box

**NOTE:** This device will not function without a neutral AC connection.

To wire the switch for a Control4® single-location scenario in which the power is first routed to the wallbox, connect together and cap with a wire nut the wires indicated in the following table:

<table>
<thead>
<tr>
<th>Switch Wires</th>
<th>Wire in the Wall Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (neutral)</td>
<td>White (neutral)</td>
</tr>
<tr>
<td>Red (load)</td>
<td>None</td>
</tr>
<tr>
<td>Black (hot)</td>
<td>Black (hot)</td>
</tr>
<tr>
<td>Green (ground)</td>
<td>Green (ground)</td>
</tr>
</tbody>
</table>

### Two-Location Scenario—Power Source at Wall Box

**NOTE:** This device will not function without a neutral AC connection.

To wire the switch and a multi-button keypad in a two-location scenario (Control4®'s 3-way-switch solution) where the power is first routed to the wall box, do the following:

1. Wire the switch into Wall Box #1 by connecting together and capping with a wire nut the following wires:

<table>
<thead>
<tr>
<th>Switch Wires</th>
<th>Wire in Wall Box 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (neutral)</td>
<td>White (neutral)</td>
</tr>
<tr>
<td>Red (load)</td>
<td>None</td>
</tr>
<tr>
<td>Black (hot)</td>
<td>Black (hot)</td>
</tr>
<tr>
<td>Green (ground)</td>
<td>Green (ground)</td>
</tr>
</tbody>
</table>

2. Wire the multi-button keypad into Wall Box #2 by connecting together and capping with a wire nut the following wires:

<table>
<thead>
<tr>
<th>Multi-Button Keypad Wires</th>
<th>Wire in Wall Box 2 (From Wall Box 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>White (neutral)</td>
<td>White (neutral)</td>
</tr>
<tr>
<td>Green (ground)</td>
<td>Green (ground)</td>
</tr>
<tr>
<td>Black (traveler)</td>
<td>Black (traveler)</td>
</tr>
</tbody>
</table>

Installation Instructions

1. **TURN OFF POWER** by switching off the circuit breaker or removing the fuse and test that power is off before wiring.
2. **Identify your wiring application** (refer to the appropriate diagram in "Electrical Specifications").
   - **Single-Pole (with power source at wall box) - see Figure 1**
   - **3-Way (with power source at wall box) - see Figure 2**
3. **Prepare wires** by removing pre-cut insulation from the appropriate switch leads. Wire insulation should be stripped back 5-6 of an inch from the wire end (as shown).
4. **Connect the switch wires** to the wall box wires using wire nut according to the relevant wiring diagram. See "Electrical Specifications" for specific instructions.
5. **Mount Switch** into wall box by partially securing the wall box screws attached to the switch. Ensure that the switch opens freely toward the wall box.
6. **If you are using the Control4® push-on (screw-less) wall plate that shipped with your switch:**
   - **A. For a single-gang scenario, attach the black plastic sub-plate using the provided sub-plate screws.**
   - **B. If you are installing in a multi-gang scenario, only partially tighten the mounting screws, leaving about 1/8 of an inch gap between the wall and the plate to attach the black plastic sub-plate.**
   - **C. With the wall plate's removal slot facing down, push the wall plate onto the switch's black plastic sub-plate.**
7. **If you are using a Decora-style screw-on wall plate:**
   - **A. Do not attach the switch's black plastic sub-plate.**
   - **B. Align the switch to the wall box and fasten with screws.**
   - **C. Fasen the wall plate to the switch with screws.**
8. **Turn ON power** at the circuit breaker or replace fuse from fuse box.
9. **Test the switch to see if it is working properly.** See "Operation and Configuration" for specific instructions.

Testing and Verification

- **Ground the Wireless Switch in accordance with the National Electric Code (NEC) requirements.**
- **NOTE:** This device will not function without a neutral AC connection.
- **WARNING!** Grounding the product according to the preceding may result in an installation less immune to damage caused by electrical surges, lightning, and static charge.

- **Electrical Specifications:**
  - **Installing in a single-gang scenario, only partially tighten the mounting screws, leaving about 1/8 of an inch gap between the wall and the plate to attach the black plastic sub-plate.**
  - **Installing in a multi-gang scenario, only partially tighten the mounting screws, leaving about 1/8 of an inch gap between the wall and the plate to attach the black plastic sub-plate.**

- **Test the switch to see if it is working properly.** See "Operation and Configuration" for specific instructions.
Troubleshooting
If light does not turn on:
• Ensure at least one LED on the face of the switch is lit.
• Ensure the light bulb is not burned out and is screwed in tightly.
• Check that circuit breaker is not turned OFF or tripped.
• Check for proper wiring (see the "Installation" chapter).
• 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 website www.control4.com.

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 operate this switch as a stand-alone device, refer to the following tables.

### To operate switch:

<table>
<thead>
<tr>
<th>Operate Switch</th>
<th>Expected behavior of RGB LEDs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Lit, full brightness</td>
</tr>
<tr>
<td>Bottom</td>
<td>Not lit</td>
</tr>
<tr>
<td>Turn ON: Tap top.</td>
<td></td>
</tr>
<tr>
<td>Turn OFF: Tap bottom.</td>
<td></td>
</tr>
</tbody>
</table>

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

Limited 2 Year Warranty
Control4 Corporation ("Control4") warrants that at the time of first consumer sale, this product will be free from defects in material and manufacture. Control4 further warrants that for a period of 2 years (24 months) after initial consumer sale, the product will function in accordance with its specification, provided that it is installed and maintained under normal and proper use. This warranty extends only to products purchased directly from Control4 or an Authorized Control4 Reseller. If the product proves to be defective in material or workmanship during the warranty period, it may be returned to the place of purchase and Control4 will, at its sole option, repair or replace the product with a like product. This warranty provides the consumer purchaser with specific legal rights, which vary by state or country. For complete warranty information, including details on consumer legal rights as well as warranty exclusions, visit www.control4.com/warranty.

Regulatory Compliance

**FCC**
FCC ID: R33LSZ1011
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.

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 when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instructions, it 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 equipment into 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.

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

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