Liteline LC-CRTL-3WAY-1 Wi-Fi Smart 3-Way Switch User Manual

MODEL: LC-CRTL-3WAY-1

Wi-Fi Smart 3-WAY SWITCH User Manual

LITELINE CORPORATION
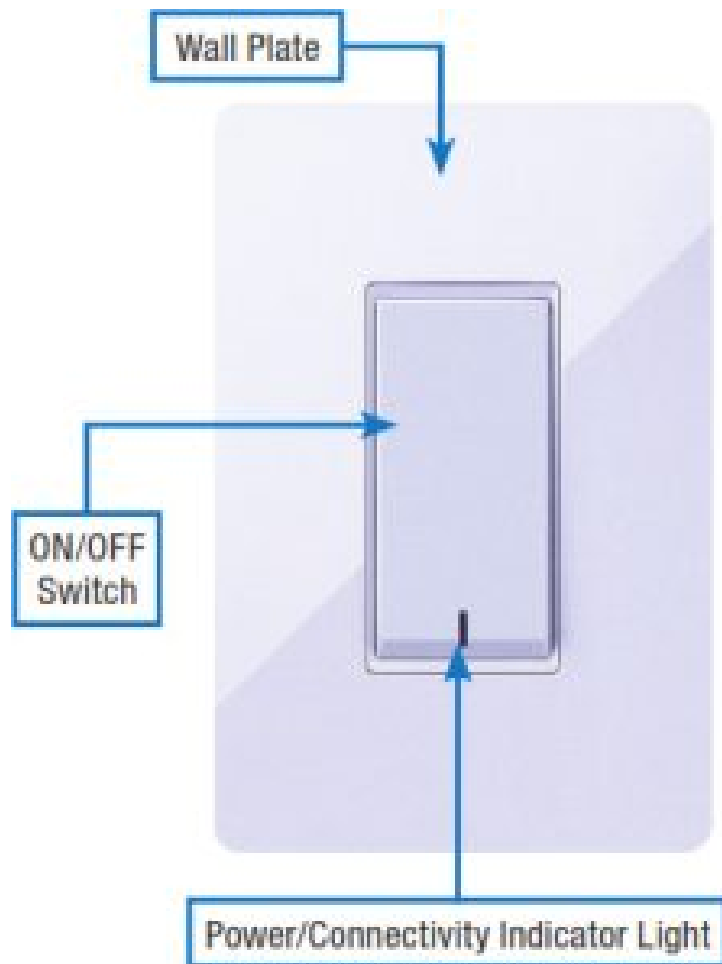Telephone 1.866.730.7704

Contents

Product overview

Specifications

Wireless Frequency:	2.4GHz, 802.11b/g
Input:	120VAC, 60Hz
Output Current:	Incandescent Load: 10A (1200W) LED/CFL Load: 5A (600W)
Standby Power:	0.4W
Enclosure Type:	Type 1 Enclosure (after installation)
Action Type:	Type 1. Y action

Before you start

IMPORTANT: Review this installation guide in its entirety before starting the installation of your Smart Switch or removal of your old switches. Installation and maintenance involving electrical wiring must be done by a qualifi ed person(s). Risk of Electric Shock:
Electricity can cause personal injury and property damage if handled improperly. An external air gap switch shall be installed before the circuit connection to this device. The metal heatsink plate is not grounding, which might become live. Install with plastic Cover Plate only.

NOTE: INSTALLATION OF THIS SMART SWITCH REQUIRES A NEUTRAL WIRE. IF THE NEUTRAL WIRE IS NOT CONNECTED, THIS SWITCH WILL NOT WORK. CONSULT A QUALIFIED ELECTRICIAN.
Caution: To reduce the risk of injury and/or overheating and damage to other equipment:

- Make sure that the power at the circuit breaker is turned OFF before starting.
- A neutral (typically white) wire is required.
- The wire colors indicated in this manual are typically found and may differ in some constructions/regions.
- Ensure the wire conductors are securely fastened to each wire.
- It is recommended that a certifi ed electrician completes all high voltage electrical installations.
- Must follow all building and electrical codes in the region when installing.
- Ensure the Wi-Fi router's signal is strong at the switch location.
- Do not install to control an appliance, motor, or receptacle.
- Recommended to be installed in a minimum 2.5″ depth device box.
- The switch does not work with smart bulbs or fixtures.
- Intended for installation in an in-wall electrical box.

What you need
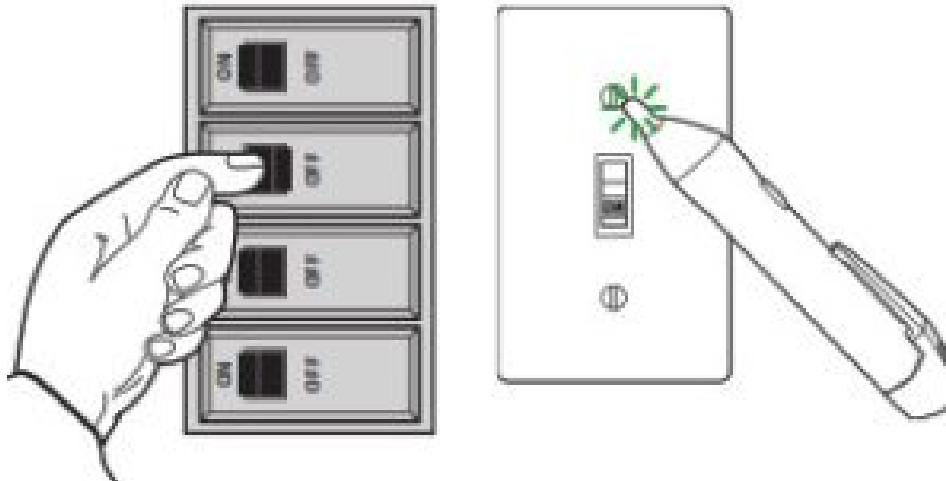

Screwdrivers   Pliers   Wire Stripper   Voltage Tester

Installation

1. Turn OFF the power at the circuit breaker and confirm with the voltage tester at the switch before proceeding. Place voltage tester against the existing switch checking the wall plate, screws, and switch at various points to determine that there is no power present.
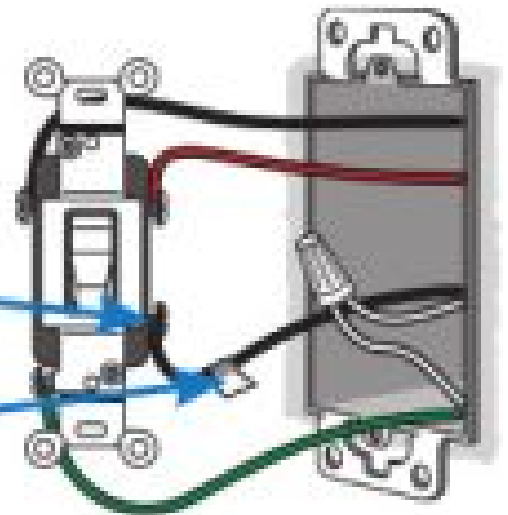
2. Remove the wall plate and pull out the existing light switch so that all wires are exposed outside of the electrical box (do not disconnect wires).
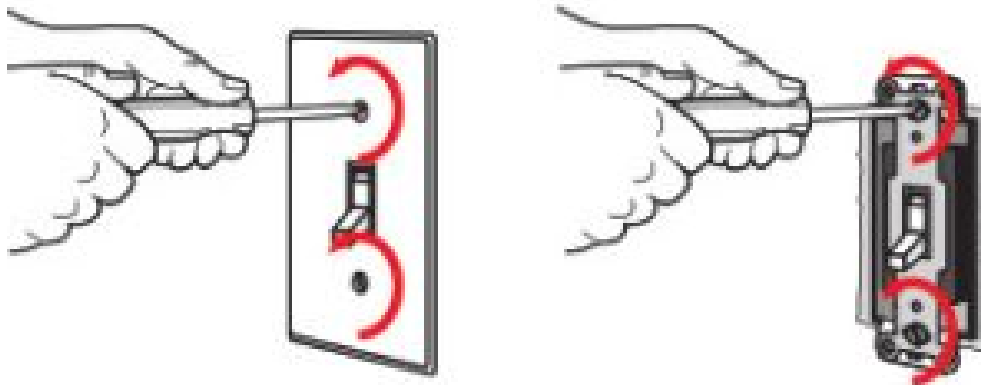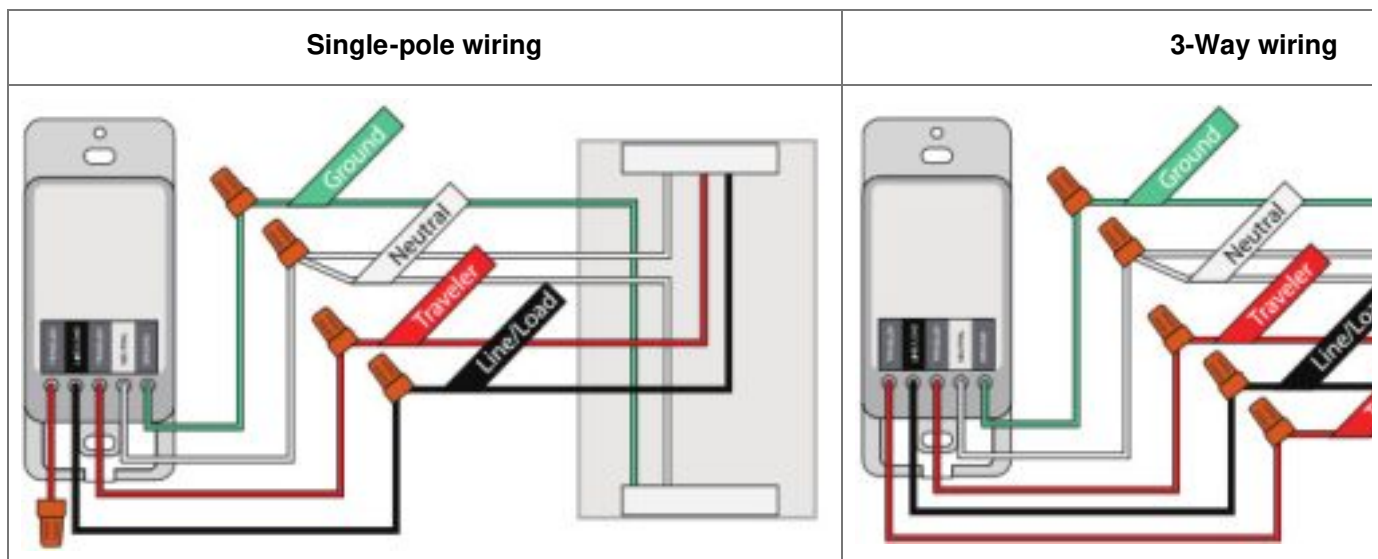
3. Label the live wire with a piece of electrical tape.

Different color screw (Black or Copper)

Piece of electrical tape

4. Disconnect and remove the existing switch.
5. Connect the Smart Switch as per the below wiring diagram. The ground wires must be connected to the electrical box.

Single-pole wiring	3-Way wiring

6. Mount the Smart Switch in the existing electrical box with the provided screws and attach the wall plate (press fit).

7. Turn on the power at the circuit breaker.
8. Test to see that the Smart Switch is functioning by pressing the ON/OFF switch. Your load (lights) should turn ON/OFF respectively.
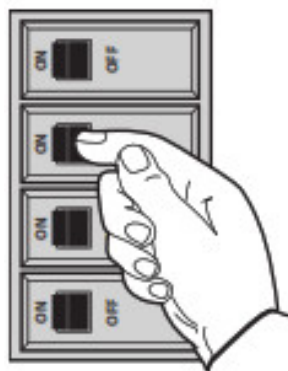
Note: If your lights do not turn on, check that the live/load and traveler wires are all connected according to the old switch. Turn off the power at the circuit breaker and check the wiring.

9. WiZ app setup – Refer to "WiZ Quick Setup Guide"

4-Way wiring

✓ Approved switch locations
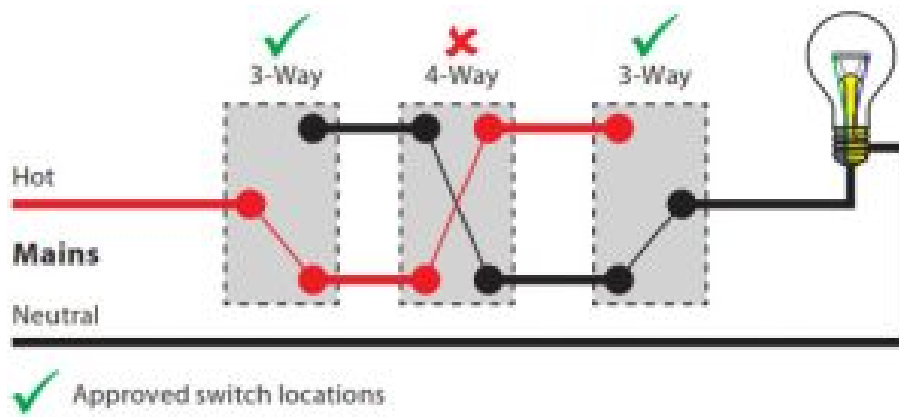
Indicator Light

COLOR	INDICATOR LIGHT STATUS	SWITCH STATUS
WHITE	ON	Switch is OFF
	OFF	Switch is ON
RED	Flashing Quickly	Pairing failed
WHITE	Single Blink	Ready for Smart **pairing** mode
	Double Blink	Ready for Manual **pairing** mode

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Unable to find the Smart Switch on the WiZ App	Smart Switch is not paired in the WiZ App	Put the Smart Switch into **Pairing Mode**. Open the WiZ App à Add a Device à Wi-Fi Switch and follow instructions for pairing.
		To force the switch into Manual Pairing, make sure the light is turned off and Long Press the ON/OFF switch (5 seconds).
Unable to operate the load (light) with the ON/OFF switch	Wiring issue	Review and confirm the INSTALLATION section in this manual.
	No electricity	Check that the power is ON at the circuit breaker.
	Load does not function or is incompatible	• Replace the load. • Check the SPECIFICATION section for compatible loads and limitations.
Smart Switch not responding to WiZ APP control	Network connectivity issue	Check wireless network connectivity.
	Smart Switch is not functioning correctly	Please re-pair connecting Wi-Fi.
Load (light) not functioning properly	Load (light) may not be compatible or exceed limits	• Check the SPECIFICATION section to ensure load (light) is within limits. • Replace the load (light).
Smart Switch not connected to the WiZ APP	The LED indicator will blink if the Wi-Fi password is incorrect	Re-enter the Wi-Fi password, making sure it is the same as the Wi-Fi network you are connected to.
	Weak/low Wi-Fi signal	Check the Wi-Fi signal and position of the Smart Switch, to ensure that it is within Wi-Fi range.
	Network not supported	Check if the Wi-Fi router is broadcasting 2.4 GHz, WPA2 Personal b/g. Try to re-pair in the WiZ App.

WiZ Quick Setup Guide

Downloading the WiZ App
Before you start, make sure you install the WiZ App from either Google Play or the Apple App Store (both offer the same set of features). The app can also scale to fi t tablets as needed.

**QR CODE**

https://app.wizconnected.com

Installing and pairing smart switch
The smart switch is connected through the app and will only operate on your home's 2.4GHz Wi-Fi network. Most new routers are dual-bandwidth (both 2.4GHz and 5GHz), ensure you select the 2.4GHz network which covers a wider range than the 5GHz. To make sure your phone is on the 2.4GHz network, either select it in the list of available networks on your phone or go into the router settings and temporarily de-activate the 5GHz network (you can activate it again after pairing is done).

If this is not possible and the smart switch is not found, try putting the smart switch in pairing mode by holding the ON/OFF button for 5 seconds (or until the indicator lights fl ashes red), then walking a short distance away from the router. Due to the short range of 5GHz networks, your phone should auto-connect to the 2.4GHz at this point. Once connected, you can start pairing in the app. You can pair as many devices as you want at the same time.
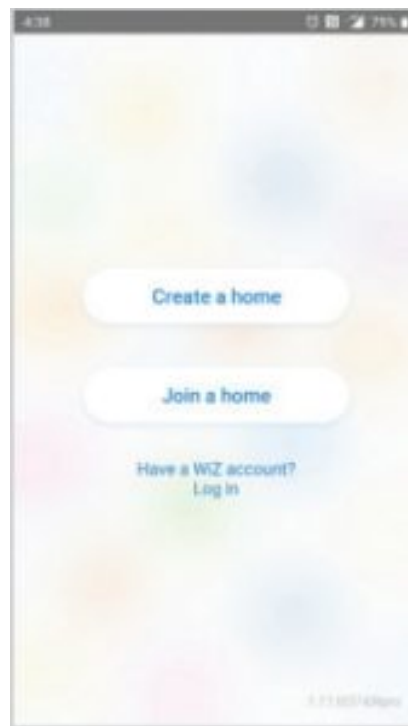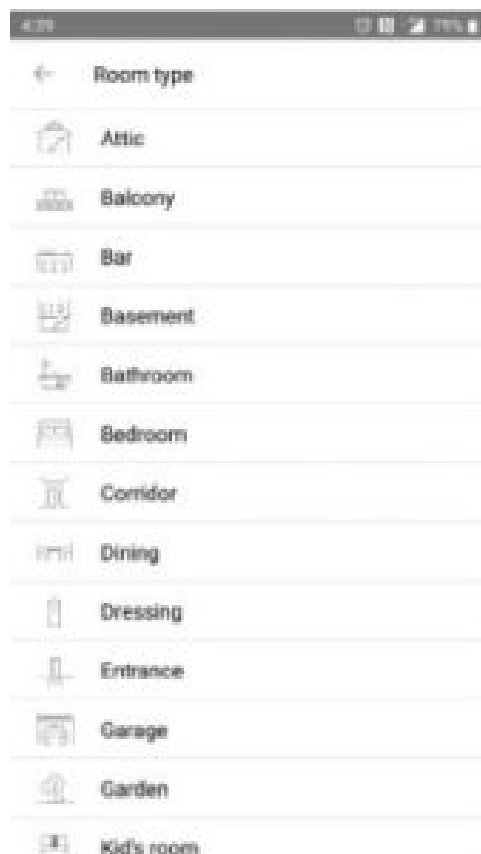

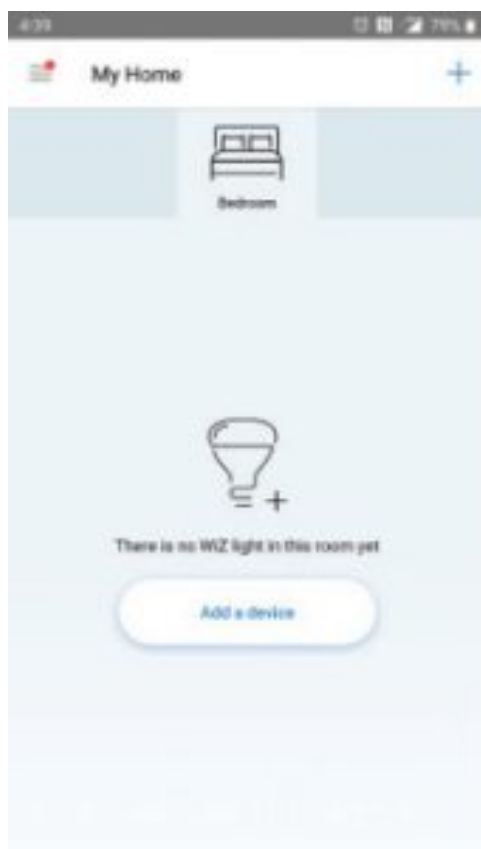Create a home or join an existing one
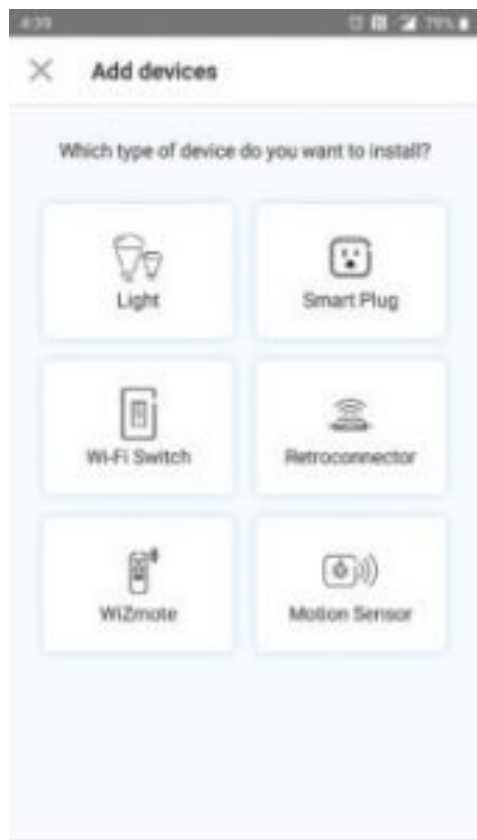
Name your home
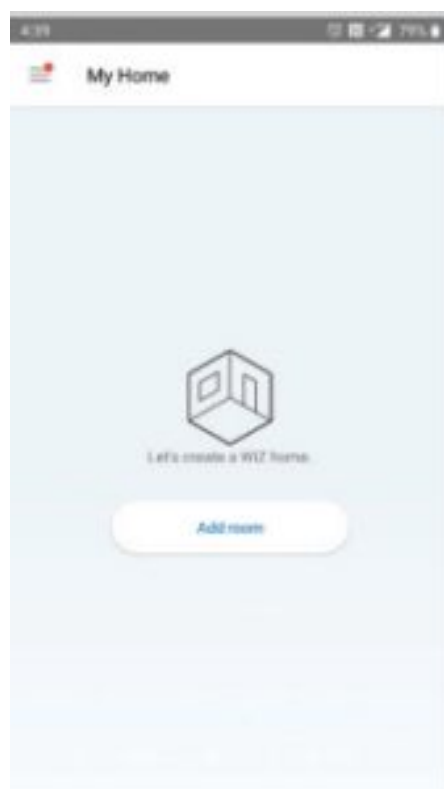
Tap the 'Add room' button to add a room

Name your own or select from the list of standard rooms

Press the 'Add a device' button and enter your Wi-Fi password

Select the 'Wi-Fi Switch' and continue with prompts to connect your device

Note: Upon first boot-up, the firmware may need to be updated. Please allow up to 1 minute for the Smart Switch to update after completing the WiZ app setup.
For additional support, visit **www.liteline.com/WiZsupport**

The following importer is the responsible party:
LLC Sales, Inc. DBA Liteline USA
1209 Orange Street, Wilmington, DE, 19801
liteline.com/page/contact-us

Changes or modifi cations not expressly approved by the responsible party could void the user's authority to operate the equipment.
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.
Note: 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: (1) reorient or relocate the receiving antenna; (2) increase the separation between the equipment and receiver; (3) connect the equipment into an outlet on a circuit different from that to which the receiver is connected; (4) consult the dealer or an experienced radio/TV technician for help.

RF Exposure Requirements:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter and must be installed to provide a separation distance of at least 20cm from all persons.

ISED Canada Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). 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.

Limited 1-Year Warranty

For complete warranty information, including details on consumer legal rights as well as warranty exclusions, visit **ww.liteline.com/warranty**.

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Documents / Resources

	Liteline LC-CRTL-3WAY-1 Wi-Fi Smart 3-Way Switch [pdf] User Manual LC-CRTL-3WAY-1, Wi-Fi Smart 3-Way Switch

Manuals+,