Thank you for purchasing the URC LT-3200 Switch!

This quick setup manual will help you plan and install your Z-Wave lighting solution.

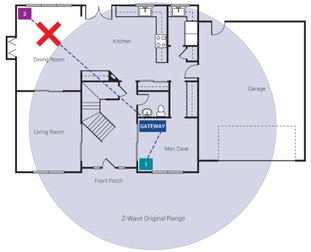
This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All mains operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

Specifications
Power: 120V AC / 60Hz
Signal (Frequency): 908.42 MHz
Operating Temperature Range: 32-104 °F (0-40 °C)
Maximum Load: 600W Incandescent / 300W LED / 150 CFL
Approval: UL Listed / FCC / IC / Z-Wave Plus Certified / CAN ICES-003 (B) / NMB-003(B)
For indoor use. Specifications subject to change without notice due to continuing product improvement.

Z-Wave Network
Z-Wave can be used with **a few devices** or it can be used to build **a large network**. Below you'll see two examples. In the first example, a user has a Gateway which is looking for Z-Wave devices within its radius. Z-Wave devices outside this radius will not be found and need to either be moved within the radius or use a repeating device to reach it. The second example shows how a repeater can be used to reach a device outside of the initial radius. Keep this in mind when building your own network and make sure to use the range estimator below.

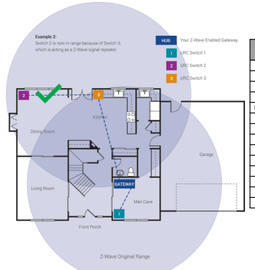
Example 1 - Original Z-Wave Range
In this example, Switch 2 is out of range because the signal from the Gateway would only reach part of the dining room.

GATEWAY Your 2-Wave Enabled Gateway
1 LRC Switch 1
2 LRC Switch 2



Example 2:
Switch 2 is now in range because of Switch 3, which is acting as a Z-Wave signal repeater.

HUB Your Z-Wave Enabled Gateway
1 LRC Switch 1
2 LRC Switch 2
3 LRC Switch 3



Material	Thickness	Signal Depreciation
Aerated Concrete Stone	< 30cm // 11.8"	20%
Aluminum Coating	< 1mm // 0.04"	100%
Ceiling	< 30cm // 11.8"	70%
Furniture [Non-wood]	< 30cm // 11.8"	40-60%
Glass [No Metal Coating]	< 5cm // 2.0"	10%
Inner Wall	< 30cm // 11.8"	40%
Iron Reinforced Concrete	< 30cm // 11.8"	30-90%
Metal Grid	< 1mm // 0.04"	90%
Outer Wall	< 30cm // 11.8"	60%
Plaster	< 10cm // 3.9"	10%
Pumice	< 30cm // 11.8"	10%
Red Brick	< 30cm // 11.8"	35%
Stone	< 30cm // 11.8"	30%
Wood	< 30cm // 11.8"	40-60%

NOTE: Z-Wave range will never be a perfect circle due to walls, furniture, etc. The above is for reference only.

Wiring Instructions
Please **do not try installing this device if you are unsure of how electrical circuits operate** within your home.
Technology upgrades can be exciting, but they can also be dangerous when not installed correctly.

CAUTION - PLEASE READ!
This device is intended for installation in accordance with the National Electric Code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada.
Cet appareil est destiné à être installé conformément au National Electric Code et aux réglementations locales des États-Unis, ou au Code canadien de l'électricité et aux réglementations locales au Canada.

APPLIANCES AND MOTORS
To reduce the risk of overheating and possible damage to equipment, **DO NOT** attempt to control a receptacle, motor driven device, a fluorescent light fixture, or an appliance.
Pour réduire le risque de surchauffe et d'endommagement possible de l'équipement, N'essayez **PAS** de contrôler un réceptacle, un dispositif à moteur, un appareil d'éclairage fluorescent ou un appareil.

OTHER WARNINGS
Risk of Fire
Risk of Electrical Shock
Risk of Burns
Risque d'incendie
Risque de choc électrique
Risque de brûlures

MEDICAL EQUIPMENT
Please **DO NOT** use this switch to control Medical or Life Support equipment.
S'il vous plaît **NE PAS** utiliser ce gradateur pour contrôler l'équipement médical ou de survie.

SHOCK HAZARD
TURN OFF THE POWER to the circuit for the switch and lighting fixture at the circuit breaker prior to installation. Wiring live connections can and will result in injury while also damaging the device.
COUPEZ L'ALIMENTATION du circuit pour le gradateur et le luminaire du disjoncteur avant l'installation. Le câblage des connexions en direct peut entraîner et entraînera des blessures tout en endommageant l'appareil.

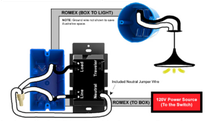
MAX WATTAGE KEY
This switch is designed for use only with permanently installed fixtures. To install multiple switches, remove the tabs as needed.
Unlike the LT-3100 Dimmer, the heat sink tabs are not used and have no effect on performance.
Ce gradateur est conçu pour être utilisé uniquement avec des luminaires installés en permanence. Pour installer plusieurs gradateurs, supprimez les onglets si nécessaire.
Contrairement au LT-3100 Dimmer, les languettes du dissipateur de chaleur ne sont pas utilisées et n'ont aucun effet sur les performances.

MULTIPLE SWITCHES
The metal plates surrounding the switch assembly are a heat sink. Max load rating of 600W is applicable when installed in a single gang-box with all six (6) tabs still intact.
Les plaques métalliques entourant l'ensemble gradateur sont un dissipateur de chaleur. L'indice de charge maximal de 600W est applicable lorsqu'il est installé dans une seule boîte de gang avec les six (6) onglets encore intacts.

PLEASE NOTE: URC is unable to provide electrical and/or wiring advice outside of this document. If you are unable or unsure, please contact an electrician.

Wiring Instructions: Neutral Installation
Please use this if you have a **neutral wire**, typically white, in the installation area. For **non-neutral installations** or wiring configurations that use **Traveler terminals** of the LT-3200, more wiring diagrams and information are available within the product manual found at: **https://urcportal.com/resources-total-control/**

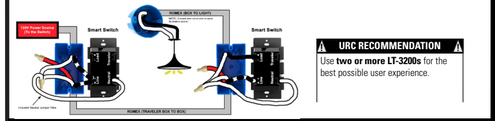
Single-Pole Installation (Single Switch)



- Load
- Line/Hot
- Neutral
- Traveler
- Romex Cable

3-Way Installation (Line/Load in Separate Boxes)

- The LT-3200 can be used in a 3-way/4-way lighting installation.
- The Master Load Controller must be defined in URC software.
- Secondary controllers must be defined in URC software.
- Multi-Way will not work without prior programming.
- Traveler Wire is not needed for Multi-Way configurations of two or more LT-3200s.



URC RECOMMENDATION
Use **two or more LT-3200s** for the best possible user experience.

LT-3200 Switch

A. Config Button: This button is used to enter the configuration menu on your switch. When you hold it down for 10-15 seconds, the **LED Bar** (**B**) will light up **Yellow** to indicate you are in config mode. It can also be used to trigger a favorite scene. After setting up the scene, tap the button one time to trigger it.

B. RGB LED Notification Bar: This LED bar serves as a visual display for whether your lights are on or off and offers visual notifications based on events that are setup via the Gateway. It can be further configured, disabling or setting certain brightness levels.

C. Responsive Paddle: The paddle works in a similar manner to a standard switch. Pressing up will turn the light on while pressing down will turn the light off. The switch can be tapped up or down 1-5 times to trigger a specific scene.

D. Air Gap Switch: This will cut the power to the load your switch is wired to.

Including A Switch
Below are the steps for including (pairing) a switch to a Gateway.

Plan, Prep, and Install:

- Locate an area to install the switch that is within a recommend distance from the Gateway.
- Walls, ceilings, and even furniture may degrade communication between devices.
- Remember to turn off the power prior to installation.
- Check the signal range by holding the config button for **5-10 seconds**. [**Green** = **Good Signal** / **Red** = **Poor Signal**]

Including to the Network:

- Start the inclusion process from the programming software.
- Once started, press the config button on the switch three times and the LED Bar will flash blue. If included successfully, the bar will turn green. If it turns red, the inclusion process failed.

Switch Not Including? Try an Exclusion:

- Start the exclusion process from the programming software.
- Once started, press the config button on the switch three times. The LED Bar will turn Green if excluded successfully.

Security 2 DSK
The DSK can be found on the front of the switch (metal plate) and inside the box.

Switch Configuration Settings
There are a couple of ways to configure a switch. The first is via the switch itself, while the second is via the programming software.

Parameter #	# Of Config Button Presses	About	Description
1	1	Power On State	Default power state the switch will revert to after power loss.
2	2	Invert Switch	Inverts the switch.
5	3	LED Indicator Color	Sets the default color of the LED Bar.
6	4	LED Indicator Intensity	Sets the intensity of the LED Bar.
7	5	LED Indicator Intensity (When Off)	Intensity of the LED Bar when the switch is off.

Configuration Logic
To enter configuration mode, hold down the Config Button (**A**) for 10-15 seconds and the LED Bar (**B**) will light up **yellow**.

Once your parameter has been selected, the LED Bar (**B**) will blink **yellow.** Now press up or down on the paddle to adjust the parameter settings to your liking.

Finally, once you've settled on a customization, it's time to save the configuration settings. Hold the Config Button (**A**)for 10 seconds and the LED Bar (**B**) will then blink to confirm the settings were saved.

SmartStart
SmartStart enabled products can be added into a Z-Wave network by scanning the Z-Wave QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity.

Switch Parameters

Parameter #	Change at the Switch?	About	Description	Range	Default	Size (Bytes)
1	Yes	Power On State	Default power state the switch will revert to after power loss. (0 - Return to State | 1 - On | 2 - Off)	0,1,2	0	1
2	Yes	Invert Switch	Inverts the switch. (0 - Disabled | 1 - Enabled)	0,1	0	1
3	No	Auto Off Timer	Automatically turns the switch off after **X** amount of seconds.	0-32767s	0	1
4	No	Association Behavior	Sets when the switch should send commands to an associated device. (01 - Local | 02 - 3-way | 03 - 3-way & Local | 04 - Z-Wave Hub | 05 - Z-Wave Hub & Local | 06 - Z-Wave Hub & 3-way | 07 - Z-Wave Hub & Local & 3-Way | 08 - Timer | 09 - Timer & Local | 10 - Timer & 3-Way | 11 - Timer & 3-Way & Local | 12 - Timer & Z-Wave Hub | 13 - Timer & Z-Wave Hub & Local | 14 - Timer & Z-Wave Hub & 3 -Way | 15 - All)	01-15	15	1
5	Yes	LED Indicator Color	Sets the default color of the LED Bar.	0-255	160	2
6	Yes	LED Indicator Intensity	Sets the intensity of the LED Bar. (0 - Off | 1 - Low | 5 - Med | 10 - High)	0-10	3	1
7	Yes	LED Indicator Intensity (When Off)	Intensity of the LED Bar when the switch is off. (0 - Off | 1 - Low | 5 - Med | 10 - High)	0-10	1	1
8	No	LED Indicator Effect	Allows the LED Bar to perform different effects as notifications.	Use URC Tool	0	4
10	No	Active Power Reports	Sends a report when power levels raise or drop below the assigned value. (0 - Disabled | 10 - 10% of prev report | 100 - 100% of prev report)	0, 1-100%	10	1
11	No	Periodic Power & Energy Reports	Period of time before a report can be sent after a report was already generated.	0-32767s	3600	2
12	No	Energy Reports	Sends a report when energy levels raise or drop below the assigned value. (0 - Disabled | 10 - 10% of prev report | 100 - 100% of prev report)	0, 1-100%	10	1
13	No	Load Type Adjustment	Can be used for dumb switch setups. (0 - Detect Type | 1 - Manually Set Type)	0,1	0	2
51	No	Instant On	There is a delay that allows for multi-tap scene control. (0 - No Delay | 1 - Delay)	0,1	1	1

Config Button Command Features

About	Description	Config Button		LED Effect	LED Color	Duration
		Press / Hold	# Press / Sec.			
Clear Notifications	Clears the RGB Bar of any notifications.	Press	2x	N/A	N/A	N/A
Inclusion / Exclusion	3x Tap of Config Button (30s timeout)	Press	3x	Pulse	Blue (Default)	See desc.
Disable Internal Relay	Disables the internal relay.	Press	8x	Fast Blink	Red	3x Blink
Enable Internal Relay	Enables the internal relay.	Press	8x	Fast Blink	Green	3x Blink
Z-Wave Signal Test	Tests the signal strength of the switch.	Hold	5-10s	Solid	Green	N/A
Parameter Configuration	Change the parameters from the switch.	Hold	10-15s	Solid	Yellow	N/A
Factory Reset	Factory reset the switch.	Hold	20s	Solid	Red	3x Blink

Association Groups

Group 1: Lifeline
Members of this group will receive unsolicited messages related to the status of the switch.

Group 2: Basic Setup
Sends start and stop level change to associated devices.

Grouping Identifier	Max Nodes	Send Commands
Group 1	0x05	Central Scene Notification
		Basic Report
		Device Reset Locally
		Protection Report
Group 2	0x05	Basic Set

Resetting Your Device
You may hold the Config Button (A) for 20 seconds or use a certified controller to remove the device from your network to factory default. Only use this procedure in the event that the network primary controller is missing or inoperable.

Z-Wave Command Classes

5E - COMMAND_CLASS_ZWAVEPLUS_INFO
26 - COMMAND_CLASS_SWITCH_BINARY
70 - COMMAND_CLASS_CONFIGURATION
85 - COMMAND_CLASS_ASSOCIATION
59 - COMMAND_CLASS_ASSOCIATION_GRP_INFO
55 - COMMAND_CLASS_TRANSPORT_SERVICE
86 - COMMAND_CLASS_VERSION
72 - COMMAND_CLASS_MANUFACTURER_SPECIFIC
5A - COMMAND_CLASS_DEVICE_RESET_LOCALLY
73 - COMMAND_CLASS_POWERLEVEL
98 - COMMAND_CLASS_SECURITY
9F - COMMAND_CLASS_SECURITY_2
5B - COMMAND_CLASS_CENTRAL_SCENE
6C - COMMAND_CLASS_SUPERVISION
32 - COMMAND_CLASS_METER
75 - COMMAND_CLASS_PROTECTION
22 - COMMAND_CLASS_APPLICATION_STATUS
7A - COMMAND_CLASS_FIRMWARE_UPDATE_MD

FCC Statement:

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 should be installed and operated with minimum distance of 20 cm between the radiator and your body.

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:

–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 radioTV technician for help.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

IC Statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1: This device may not cause interference.

2: This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20 cm de distance d'un radiateur ou de votre corps.

CAN ICES-003 (B) / NMB-003 (B)

Warranty
Universal Remote Control, Inc. ("URC") warrants that the URC equipment shall be free from defects in material and workmanship under normal usage for one (1) year from purchase for all products with the exception of all Total Control® whole-house products which is for two (2) years from purchase, when such is purchased from URC. This limited warranty is valid only in the United States of America. URC warrants that the software will substantially conform in any material respect to its functional specifications at the time of delivery. URC shall not be liable for operational, technical or editorial errors and/or omissions made in the URC documentation. URC does not warrant that the URC software is bug-free or error free or that there are no errors/bugs in the URC software.URC equipment purchased from other than an authorized URC dealer or distributor are without warranty.In the event of any warranty claim, URC will, at its sole option, repair the URC equipment using new or comparable rebuilt parts, or exchange the URC equipment for new or rebuilt equipment. In the event of a defect, these are the end user's exclusive remedies. All the URC equipment returned for service, exchange or repair require an RGA number. To obtain an RGA number, you must complete a Return Request Form which you may obtain by calling (914) 835-4484 or contacting URC at returnrequest@urc-automation.com. To obtain warranty service, end user must deliver the URC equipment, freight prepaid, in its original packaging or packaging affording adequate protection to URC at 37 Ramland Road, Unit 104, Orangeburg, NY 10962. It is end user's responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into the unit. It is likely that such data, software, or other materials will be lost during service and URC will not be responsible for any such damage or loss. A dated purchase receipt, bill of sale, installation contract or other verifiable proof of purchase is required.For detailed information regarding warranties and returns, please visit URC's website available at
http://www.urc-automation.com/warranty or call the Customer Service Center at (914) 835-4484.