

GreenConnect Wireless Receptacle 20A

Cat. No. ZBR20

LEVITON[®]

WARNINGS:

- **TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
- To be installed and/or used in accordance with electrical codes and regulations.

CAUTIONS:

- For indoor applications only.
- If you are unsure about these installation instructions, contact an electrician.
- **SAVE THESE INSTRUCTIONS.**

DI-000-ZBR20-02A

INSTALLATION INSTRUCTIONS

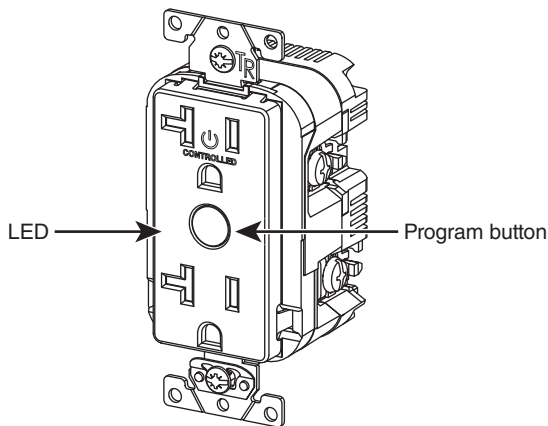
ENGLISH

Product Description

GreenConnect Wireless receptacles provide simple wireless control of connected loads when paired with a GreenConnect load controller or enrolled to a GreenMAX DRC Wireless room controller.

The receptacle is rated for 20A and is designed to provide downstream control of additional receptacles. The receptacle is split with the top outlet controlled by the network and the bottom outlet always ON. The program button on the front can be used to manually toggle the controlled outlet ON/OFF, put the receptacle into pairing mode, or to reset to factory default settings.

The receptacle has a built-in tamper resistant barrier designed to limit improper insertion of small objects into the receptacle contact slots.



NOTES:

- Terminals accept maximum 12AWG solid copper wire.
- BLACK terminal: line voltage wire input
- SILVER terminal: neutral wire
- BLUE terminal: downstream to additional controlled receptacles (if applicable)
- GREEN terminal: ground

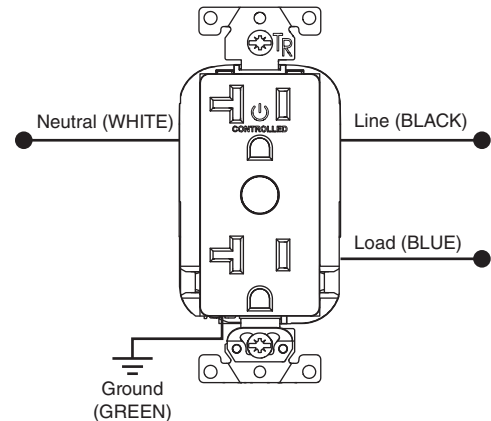
Before You Install

GreenConnect Wireless receptacles communicate with other devices using a 2.4Ghz wireless mesh network. The receptacle has a wireless reception range of 75 feet line-of-site. Reception range is reduced when wireless communications must traverse building materials.

Installation

WARNING: TO AVOID FIRE, SHOCK OR DEATH: TURN OFF POWER SUPPLYING THIS EQUIPMENT AND CONFIRM POWER IS OFF, before installing, removing or servicing this equipment.

1. Working on one connection at a time, connect wires as shown.
 - a. GREEN or bare copper wire in wallbox to GREEN terminal screw.
 - b. Line wallbox wire to terminal screw (BLACK) marked "LINE".
 - c. Neutral wallbox wire to terminal screw (SILVER) marked "NEUTRAL".
 - d. Downstream connection to additional receptacles (if applicable) to terminal screw (BLUE) marked "LOAD".



2. Tighten mounting screws into wallbox and attach wallplate.
3. Restore power.

Operation

1. Indicator Light
 - GREEN LED ON indicates controlled outlet is ON.
 - GREEN LED OFF indicates controlled outlet is OFF.

2. Manual control

The program button allows the user to manually turn the controlled outlet ON or OFF. When the GREEN LED indicator turns ON, the appliance or device plugged into the controlled outlet will turn ON, and vice versa.

Quick Start Enrollment and Verification

1. Press and hold program button until LED blinks AMBER rapidly (approximately 7 seconds).
2. Tap program button once and LED will blink green rapidly while searching for a network to join.
- 3a. To join a GreenConnect network, follow the instructions included with your GreenConnect load controller.
- 3b. To join a GreenMAX DRC Wireless system, scan the QR code using the GreenMAX DRC App.

WEB VERSION

Configuration

GreenConnect Wireless receptacles are designed to operate without any additional programming needed. Changes to default programming require enrollment to a GreenMAX DRC room controller using the GreenMAX DRC App.

Factory Default Reset

1. Long press program button for 15-19 seconds until the LED indicator fast flashes AMBER 3 times.
2. Release the program button.
3. Leaves current network (if connected) and performs factory reset. Searches for network to enroll in for up to 60 seconds.

What to do if...

Device won't pair:

1. Confirm that the receptacle is powered.
2. Check if the wireless distance is too far.

The LED indicator does not turn ON:

1. Check the wiring connections.
2. Check manually by pressing the program button on the receptacle.

Specifications

Specifications	
Input Voltage/Frequency	125VAC, 60Hz
Load Ratings	
General Purpose/Resistive @ 125V	20A Type: 2P, 3W, back-wired
Incandescent @ 125V	1500W
LED/E-Ballast @ 125V	5A
Motor @ 125V	1HP
IP Rating	IP10
Network Connections	2.4GHz, IEEE 802.15.4
Wireless Transmitting Power	< 4.5 dBm
Wireless Transmission Range	50-100 ft (NOTE: Range depends on receiver location and building construction)
Operating Temperature	20A rated up to 25°C 15A rated up to 45°C
Storage Temperature	-4° to 140°F (-20° to 60°C)
Maximum Humidity	≤ 85%

LED Indicator Status

Button Action	LED Color	Blink Rate	Sensor Status
No action	GREEN	Solid ON	Controlled outlet is ON.
No action	GREEN	Rapid	Searching for network (up to 60 seconds); enrollment in process.
Pressed and held for fewer than 5 seconds	GREEN	1 Time	Enrolled in active network
		2 Times	Enrolled in active network, but not commissioned completely.
		3 Times	Enrolled in network, but no communication from network.
	RED	3 Time	Not enrolled in network.
Pressed and held for 5-9 seconds	AMBER	Rapid	Device in programming mode.
Pressed and held for 10-14 seconds	AMBER	2 Times	Leaves current network, if connected, and triggers Find and Bind: target for enrollment (180 seconds).
Pressed and held for 15-19 seconds	AMBER	3 Times	Leaves current network, if connected and performs Factory Reset.

TRADEMARK STATEMENT

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Use herein of other third party trademarks, service marks, trade names, brand names and/or product names are for informational purposes only, are/may be the trademarks of their respective owners; such use is not meant to imply affiliation, sponsorship, or endorsement.

PATENT STATEMENT

Patents covering this product, if any, can be found on leviton.com/patents

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to 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 the 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 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.

Any changes or modifications not expressly approved by Leviton Manufacturing Co., could void the user's authority to operate the equipment.

FCC SUPPLIERS DECLARATION OF CONFORMITY

Model ZBR20-1SW manufactured by Leviton Manufacturing, Inc., 201 N Service Road, Melville, NY, <http://www.leviton.com>. 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.

RF EXPOSURE AND CO-LOCATION

To comply with FCC OET Bulletins and ICSED RF exposure limits for general population/uncontrolled exposure this device should be installed and operated with a minimum distance of 79 inches (20 cm) between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

IC STATEMENT

This device complies with Industry Canada license-exempt RSS standard(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.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada ULC to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.**

LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option. For details visit www.leviton.com or call 1-800-824-3005. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.