Vivint Smart Lighting
(See P/N Part Numbers in the Specifications)

Quick Reference (Overview, Specs, Installation, Regulatory)

⌂.vivint

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Vivint Smart Lighting is a smart home indoor lighting solution that is comprised of three components — smart switches (mounting bracket and cover plate), bridges, and light bulbs. Smart Lighting can be installed as a standalone solution, or integrated with an existing Vivint Smart Home system in order to provide remote lighting control via the panel/hub or the mobile app. Either professionally installed or DIY installed by the homeowner, you simply connect the *bridge* device to the local network router, configure groups of lights and install the smart *light bulbs*, and replace existing light switches with the corresponding *smart switch*.

The Vivint Smart Lighting switches can replace both toggle and rocker style light switches; and are compatible with single (1) gang, double (2) gang, and triple (3) gang switches. See the illustrations below. Setup follows the same general procedure for all smart switch types; however, please note that this document uses the single-gang toggle smart switch when describing switch-specific tasks in the installation instructions.

Key features include — Remote control ability to turn the lights on/off and dim 0% to 100%. Lights can be configured individually or in groups. The LED light on switch plate indicates status, and is used for visual feedback during the pairing process. Smart switches do not require an electrical connection, and can be added to any room on any wall surface.

This document includes a product description, illustrations, installation instructions, basic operation / user functionality; as well as technical specifications, standards listings, and regulatory compliance references.

Smart Switch Plates for Both Toggle and Rocker Style Switches (1, 2, 3 Gang) —
Vivint Smart Lighting offers switch plates for both toggle and rocker switch styles, as well as compatibility for 1, 2, and 3 gangs. The switches plates (covers) are the same for both toggle and rocker switches. The three gang sizes are shown below, as well as a side and bottom view of the single switch.

Installation Instructions —
Installing and setting up the Vivint Smart Lighting solution is a multi-step procedure but it is straightforward and can be quickly learned. Setup is comprised of the main tasks shown below. The Smart Home Pro or homeowner should carefully read all of these steps in order to ensure a successful installation and optimal performance. Please note that the switch-specific steps (and images) below describe an installation using the single-gang toggle smart switch. For additional information, refer to the *Field Service Pros* website.

MAIN SETUP TASKS OUTLINE

1) Bridge — Connect and pair the bridge to the network/system
2) Group — Select or create a "group" to which you can add smart light bulbs
3) Switch — Install the smart switch to control the group of lights

Task 1: To connect and pair the bridge to the network/system:
1. At the panel, go to **Smart Home Devices** > **Zigbee Devices** > **Zigbee Bridge**.
2. Connect the bridge to the local network router, using the provided Ethernet cable.
3. Power it on by plugging the power supply into a wall outlet and connecting it to the bridge (USB-C).
4. Press the **Pair** button on the bottom of the bridge.
5. At the panel, select the **Pair Bridge** button. This may take a few minutes.
6. Once the bridge is paired, you can configure groups to which you add smart light bulbs, and then set up a smart switch that will control that group of lights. Select the **Set Up Lighting** button.

Task 2: To select or create a group and add light bulbs:
IMPORTANT: Light bulbs must be added to a "group" even if that group contains only one bulb.
1. At the panel (after tapping **Set Up Lighting**), select the group to which you want to add the light bulbs, or enter a name to create a new custom group. Then select **Set Up Bulbs**.
2. Replace the existing bulbs with supported smart bulbs and power them on.
3. Next, at the panel you can either scan for the bulbs, or you can enter their serial number manually. This may take a few minutes.
4. When the bulbs are discovered, they are added to the group. Select **Save and Continue**.
5. Once the bulbs have been added to a group, you can set up the smart switch to control that group. Select the **Add New Vivint Switch** button. To configure another groups, repeat the steps above.

Bridge (front view) —

LED Light

Bridge (bottom view) —

Button (Pair/Reset)

Ethernet Port

Power Input (USB-C)
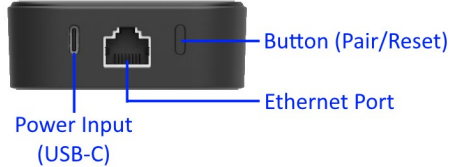
Task 3: To install the smart switch (cover plates and mounting bracket) to control the group of lights:

NOTE: There are no mounting wall surface restrictions regarding where a smart switch can be installed. Additionally, since there is no electrical connection required, the switch can be added to any room with or without an electrical box. **IMPORTANT:** Make sure to identify and turn off the appropriate circuit breaker before installing the smart switch.

1. At the light switch you want to replace, remove the old cover plate (save the 2 screws), and then secure the corresponding mounting bracket — toggle or rocker; 1 2 or 3 gang — using the 2 screws.
   CAUTION: If, when you remove the old cover plate, there is any evidence of arcing or burn marks on either the plate or the switch itself, reinstall the cover plate and contact an electrician or other qualified electrical person to have them replace the existing switch before installing the Vivint Smart Lighting smart switch.
2. At the panel (after tapping **Add New Vivint Switch**), prepare the smart switch by pairing it to the network/system. Remove the battery pull tab from the smart switch. The LED light will blink green to indicate power and bootup. Press the **PAIR** button (or you can press any other button) to scan for the network. The LED light will breathe green. (**NOTE:** If the network is not found after 1 minute, the network search will stop and the LED will begin blinking green again. Repeat the pairing process. If necessary, you can reset the smart switch by pressing and holding the button for 15 seconds.) Once successfully paired the LED will illuminate solid green for 3 seconds. Failed illuminates solid red for 3 seconds.
3. For double- and triple-gang switch plates, you can configure each switch with its own specific group of lights that it will control. Follow the prompts in the setup screens.
4. Once the new smart switch is paired and associated with a group of lights it is fully set up, and you can then attach the smart switch cover plate on the mounting bracket. Select **Save & Complete**.
5. **IMPORTANT:** Turn the in-wall light switch to the **ON** position before proceeding.
6. Attach the corresponding smart switch on the mounting bracket. Slide the lock button on the bottom of the bracket to the right to unlock it. Insert the top of switch plate in to the top of the bracket and tilt it downward until it snaps firmly in to place. Slide the lock button to the left to secure the switch cover plate to the bracket.
7. To set up more smart switches, repeat the steps above.
8. At the panel Home screen, you can tap the light bulb icon in the navigation bar at the bottom of the touchscreen to control your smart lighting. You can also access and control the lights via the app. See "Operation Overview" for an introduction to features and directions to additional Help resources.

Operation Overview / User Functionality

Once the smart lighting is set up and running, the homeowner can use both the Vivint panel and the mobile app to perform the following functions. For detailed step-by-step instructions, refer to the online Help resources (articles and video tutorials) at the *Vivint Support* site.

MAIN FEATURES — WHAT YOU CAN DO WITH THE SMART LIGHTS

- Turn on/off single or groups of lights remotely via the panel or app, or at the switch
- Dim single lights and groups of lights (0%-100%) remotely via the panel or app, or by pressing and holding the ON and OFF switches
- Remove a single light or group of lights from the system

Troubleshooting Tips

If the smart switch is offline, try these troubleshooting steps in order to resolve the issues:
- ✓ Power cycle or reboot the bridge
- ✓ Factory reset the bridge
- ✓ Power cycle the switch
- ✓ Factory reset the switch (press the button for 5 seconds)
- ✓ Ensure switch wire termination points are clean and secure
- ✓ Check to make sure the bulbs have not burned out

Battery Installation

The battery should last 3-5 years under normal use. If the battery is low, a notification will be indicated on the panel. IMPORTANT: Replacements batteries must be UL Recognized. To replace the battery:
- ✓ Remove the smart switch cover.
- ✓ Place a small flathead screwdriver under the battery and pry it up and out of the battery holder.
- ✓ Insert the replacement battery with the + sign facing out.*
- ✓ Replace the cover.
- ✓ Verify the device is functioning properly.

*The battery may fit loosely in the slot, but the cover will secure it firmly in place.

WARNING! The polarity of the battery must be observed (as shown in the image). Improper handling of lithium batteries may result in heat generation, explosion, or fire, which may lead to personal injury. Replace only with the same or equivalent battery type as recommended by the manufacturer.

AVERTISSEMENT! La polarité de la batterie doit être observée (comme indiqué dans l'image). Une mauvaise manipulation des piles au lithium peut conduire à la production de chaleur, une explosion ou un incendie, ce qui peut entraîner des blessures. Remplacez-le par le même type ou équivalent de la batterie tel que recommandé par le fabricant.

⚠ **Batteries must not be recharged, disassembled, or disposed of in fire.** Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area. Keep away from small children. If batteries are swallowed, promptly see a doctor.

California Only: This Perchlorate warning applies ONLY to Manganese Dioxide Lithium cells sold or distributed in California, USA. Perchlorate material special handling may apply. (For more information, visit: www.dtsc.ca.gov/hazardouswaste/perchlorate)

Toggle Bracket (front view) —

— Screw Holes
— Lock Button

Switch Plate (back view) —

Button (Pair/Reset)
Battery Slot
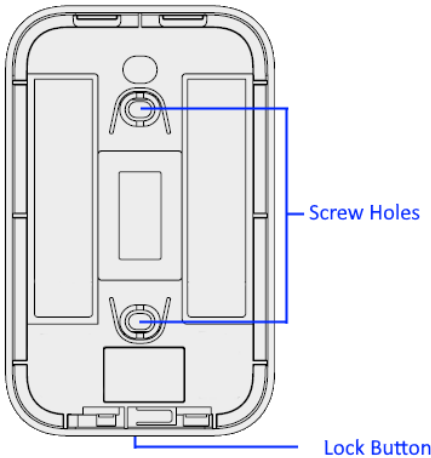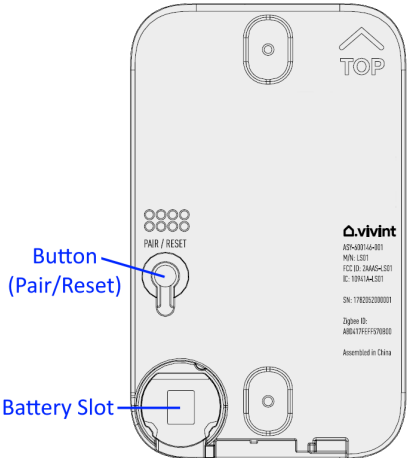
Switch Plate (front view) —

LED Light
— ON Button
— OFF Button
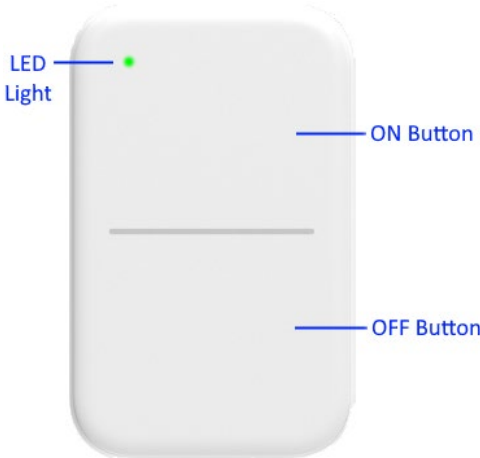
Technical / Hardware Specifications

Smart Switch (Switch Plates and Mounting Brackets) —

Part Numbers (P/N) for the Switch Plate/Assemblies	VS-SWTCHPLT-R01; VS-SWTCHPLT-R02; VS-SWTCHPLT-R03; VS-SWTCHPLT-T01; VS-SWTCHPLT-T02; VS-SWTCHPLT-T03
Part Numbers (P/N) for the Mounting Brackets	MCH-600269-001; MCH-600270-001 MCH-600271-001; MCH-600272-001; MCH-600273-001; MCH-600274-001
Model Numbers (M/N)	LS01 (1 Gang); LS02 (2 Gang); LS03 (3 Gang)
LED	Red / Green
Connectivity	2.4GHz Zigbee
Communication / Signal Range	Up to 150 feet
Battery	CR2032 (user-replaceable, 3-year life approx.)
Light Bulb Support	Up to 50 bulbs with a bridge, 12 bulbs without
Zigbee Radio	Silicon Labs EFR32MG22C224F512GN32

Bridge —

Vivint Part Number (P/N)	VS-ZGBHUB-001
Model Number (M/N)	BB03
Zigbee Radio	Universal Electronics UE878NMEJ-R
LED	Red / Green / Blue / White
Ethernet	10/100Mbps
Operating Range	Up to 150 feet
Power	DC 5V, 1A USB-C

Light Bulbs —

Standard A19 Size / E26 Threading	LED bulb, On/Off Zigbee 3.0 protocol, ≥800 lumens brightness (60W equivalent), dimmable, tunable
Flood BR30 Size / E26 Threading	LED bulb, On/Off Zigbee 3.0 protocol, ≥650 lumens brightness (65W equivalent), dimmable, tunable

Environmental —

Operating Temperature Limits	32°F to 120°F (0°C to 49°C)
Relative Humidity	5-95% Non-Condensing
Weatherproofing	IP65 with UV protection

⚠ Warning: California Proposition 65

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

For more information, go to: https://www.P65Warnings.ca.gov

Standards Certifications and Listings

Industry Certification	*Zigbee Certified Product*
UL 514D & CSA C22.2 #421 (For the Smart Switch)	*Standard for Cover Plates for Flush-Mounted Wiring Devices*
UL 62368-1 (For the Bridge Power Supply)	*Standard for Audio/Video, Information and Communication Technology Equipment — Part 1: Safety Requirements*
FCC ID:	2AAAS-LS01; 2AAAS-LS02; 2AAAS-LS03; 2AAAS-BB03
IC:	10941A-LS01; 10941A-LS02; 10941A-LS03; 10941A-BB03

*For complete regulatory compliance information, go to: vivint.com/legal/fcc.

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CONFORMS TO UL STD. 514D CERTIFIED TO CSA STD. C22.2 #42.1 Cover Plates for Flush-Mounted Wiring Devices

♻ Light Bulb Disposal and Recycling

Dispose of light bulbs according to local laws and regulations.

Please recycle light bulbs where available.

Wireless Product Notice

Wireless communications hardware provides reliable communication; however, there are some limitations which must be observed.

- The transmitters are required to comply with all applicable wireless rules and regulations. As such, they have limited transmitter power and limited range.
- Wireless signals may be blocked by radio signals that occur on or near the wireless operating frequencies.

FCC and ISED Canada Regulatory Compliance Declarations*

CAUTION! **Unauthorized changes or modifications could void the user's authority to operate the equipment.**

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules and Industry Canada license-exempt RSS standard(s). 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 the device.

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 the 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/television technician for help.

PRUDENCE! **Changements ou modifications pourraient annuler le droit de l'utilisateur à utiliser l'équipement non autorisées.**

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie 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, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences no se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en mettant l'équipement hors et sous tension, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Consulter le revendeur ou un technicien radio / télévision expérimenté pour de l'aide.

FCC (U.S.) Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.9 in) between the radiator and your body.

IC (Canada) Radiation Exposure Statement: This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20 cm (7.9 in) between the radiator and your body. Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.