Smart Outlet
Installation Instructions

#43132

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Parts in the Box

Smart Outlet
Screws (2), Installation Instructions .

Additional Tools and Parts needed.
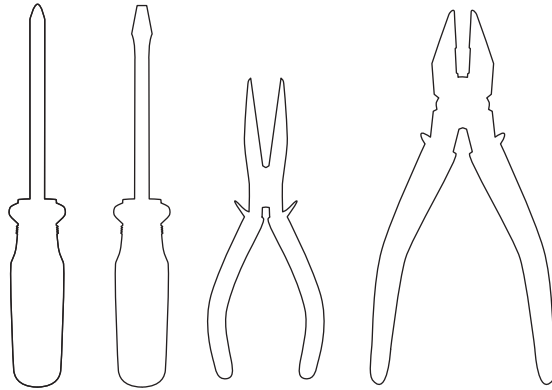
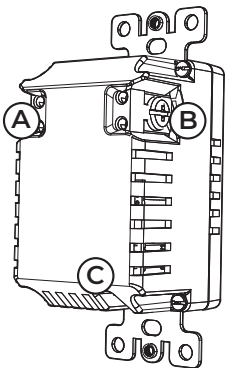Note: Smart Outlet is an AC device and the following instructions are intended for licensed electricians only.

Note: The device plugged into the Zigbee-controlled smart outlet on this module must not exceed 1000W incandescent, 1/2HP motor, 1800W (15A) resistive or 3.75A LED/CFL. The total maximum rating for both outlets combined is 1800W (15A) resistive load.

Getting to know your new Zigbee device

1. One Zigbee remote-controlled outlet.
2. One always-ON outlet.
3. Remote ON/OFF control via the Zigbee controller/network.
4. Manual ON/OFF control with the manual/program button.

A. Line (Hot) (Black)

B. Neutral (White)

C. Ground (Green/Bare)
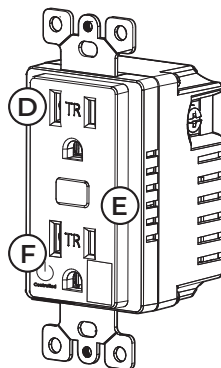
D. Zigbee-controlled outlet

E. Manual/program button

F. Always-on outlet

Note: Turn OFF the power to the branch circuit for the outlet at the service panel. All wiring connections must be made with the POWER OFF to avoid personal injury and/or damage to the outlet.
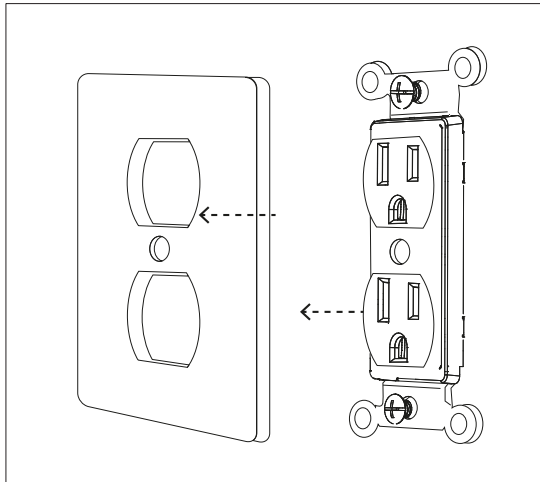
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Note: Smart Outlet is an AC device and the following instructions are intended for licensed electricians only.

Wiring Installation instructions

1. Shut off power to the circuit at circuit breaker or fuse box. **IMPORTANT! Verify power is OFF to switch box before continuing.**
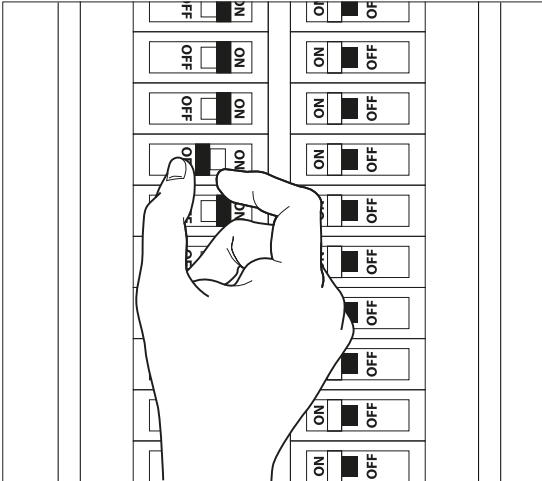
2. Remove the wall plate.

3. Remove the outlet mounting screws.

4. Carefully remove the outlet from the wall box.
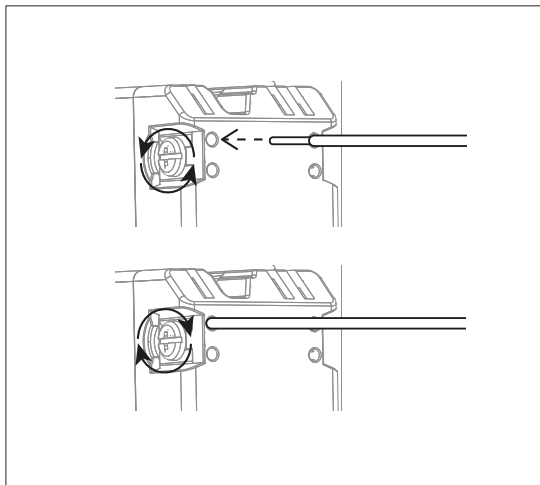
5. Disconnect the wires from the existing outlet. Label wires according to the previous terminal connections.

6. There are three screw terminals on the Zigbee smart outlet; these are marked
   a. LINE (hot) — Black (connected to power)
   b. NEUTRAL — White
   c. GROUND — Green/bare

   Match these screw terminals to the wires connected to the existing outlet.

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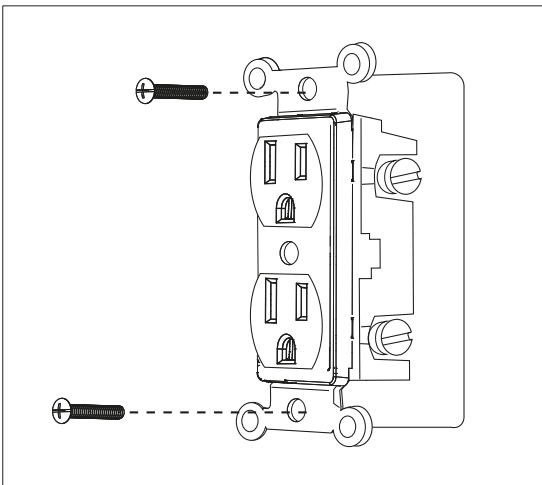
Observe important wiring information

Insert wires into holes, do not wrap wires around screws.

From breaker box

Always follow the recommended wire strip length (5/8in. or 16mm) and wiring combination when making wiring connections. Consult an electrician with questions or for professional installation.
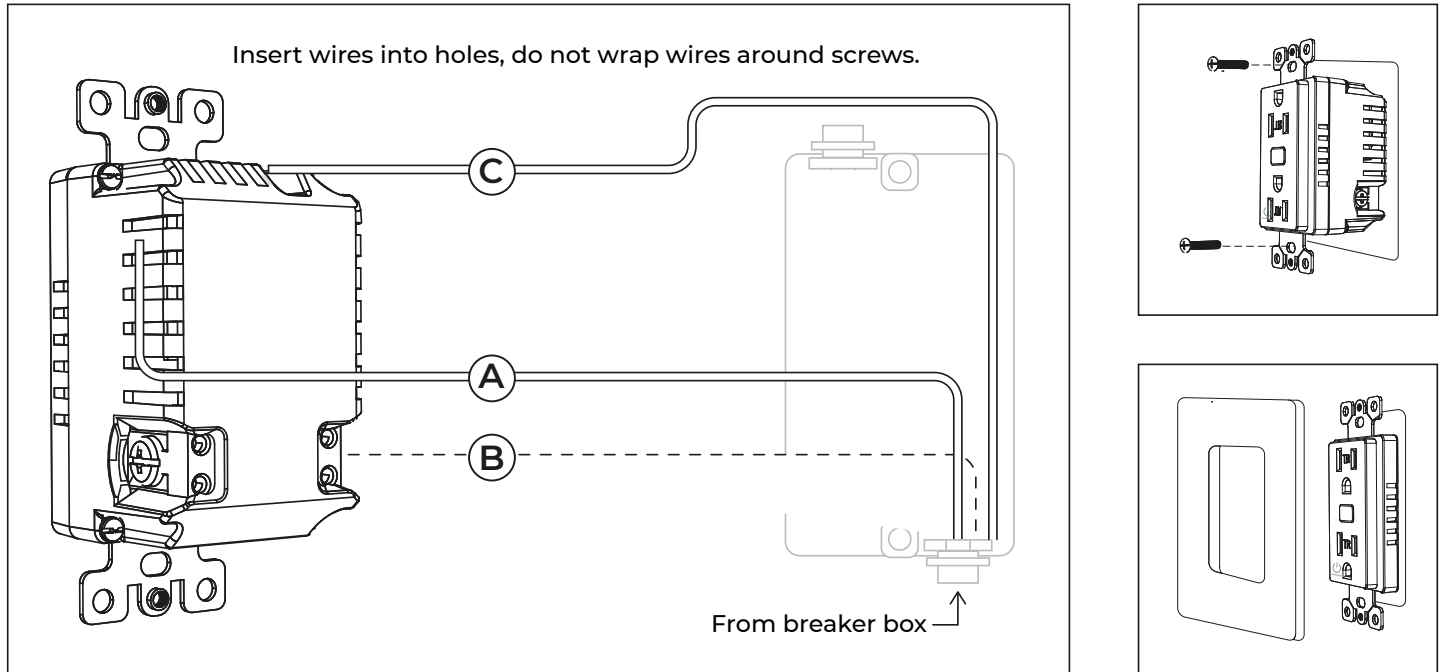UL specifies the tightening torque for the screws is 14Kgf-cm (12lbf-in).

IMPORTANT! The screw terminals in this receptacle are intended to only be used with copper wire. Consult a qualified electrician if you have aluminum wiring.

Wire gauge requirements

Use 14AWG or larger wires suitable for at least 80° C for supplying line (hot), neutral and ground connections.

1. Insert smart outlet into the box being careful not to pinch or crush wires..
2. Secure the outlet to the box using the supplied screws.
3. Mount the wallplate.
4. Reapply power to the circuit at fuse box or circuit breaker and test the system.

Basic operation

The connected device can be turned ON/OFF in two ways:

1. Manually from front program button.
2. Remotely with a Zigbee controller.

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1. LED is ON when the load is ON (indicates the outlet is ON) (default)

Adding your device(s) to the Zigbee network

> **NOTE 1 : The icon for the Smart Outlet is a lightbulb. Do not Delete it.**
> **NOTE 2: Internet connectivity is not necessary during the Zigbee pairing process.**

Option 1 (Batch Process)

1. Place all the Smart Outlets on a table or within the same room along with LinkPro Z/ TaHoma gateway at min. 10m distance.

2. For each Smart Outlet one at a time, have a licensed electrician apply temporary power.

3. Use the TaHoma app products menu, choose to add Zigbee product. When prompted to Scan the QR code, instead select the "No QR Code?" option and then select the "Next" button on the following page. Now, Press and Hold the Smart Outlet Programming Button for 5 seconds or until the LED starts to Flash Green, this is the device Pairing Mode.

4. Complete this step by naming the outlet in the TaHoma app.
NOTE: The name chosen will be used for voice control and in the app.

5. You can now have a licensed electrician disconnect and have that outlet permanently installed in the desired location.

6. Apply the steps 2 - 6 again untill all the Smart Outlets have been paired with your gateway.


Option 2 (Remote PoE)

1. Have a licensed electrician install all of the Smart Outlets in the desired locations.

2. Up to a 100m category cable connected from your PoE switch/ injector to your LinkPro Z.
NOTE: This remote commisioning CAT5 cable must be able to reach the furthest shade in the house, from the PoE switch, which is why you will need a long cable.

3. For each Smart Oulet one at time, move the LinkPro Z to be a min. of 10m, within the same room.

4. Use the TaHoma app products menu, choose to add Zigbee product. When prompted to Scan the QR code, instead select the "No QR Code?" option and then select the "Next" button on the following page. Now, Press and Hold the Smart Outlet Programming Button for 5 seconds or until the LED starts to Flash Green, this is the device Pairing Mode.

5. Complete this step by naming the outlet in the TaHoma app.
NOTE: The name chosen will be used for voice control and in the app.

6. Apply the steps 3 - 6 again untill all the Smart Outlets have been paired with your gateway.

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Option 3 (Remote USB)

1. Have a licensed electrician install all of the Smart Outlets in the desired locations.

2. Using a USB power bank(sold seperately), connect to the USB power cable that is included with TaHoma and connect to the internet with WiFi.

3. For each Smart Outlet one at time, move the TaHoma to be a min. of 10m, within the same room.

4. Use the TaHoma app products menu, choose to add Zigbee product. When prompted to Scan the QR code, instead select the "No QR Code?" option and then select the "Next" button on the following page. Now, Press and Hold the Smart Outlet Programming Button for 5 seconds or until the LED starts to Flash Green, this is the device Pairing Mode.

5. Complete this step by naming the outlet in the TaHoma app.
NOTE: The name chosen will be used for voice control and in the app.

6. Apply the steps 3 - 6 again untill all the Smart Outlets have been paired with your gateway.

Additional Feature
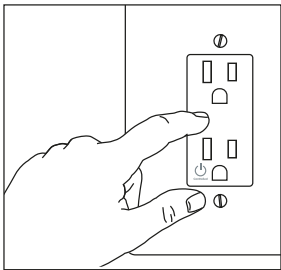
The button on the Outlet controls the upper receptacle (Zigbee)
NOTE: Plug directly into outlet. Do not use with extension cords.

NOTE: LED status indicator stops blinking if a timeout occurs. Auto-scan mode will time out if the Smart Outlet has not joined a Zigbee network within 3 mins. If Timeout occurs you can repeat the Press and Hold step to restart the Pairing Mode process.

To remove and reset the device from the Zigbee controller

From your TaHoma app, choose to remove or delete the Smart Oulet as instructed. The smart outlet will be removed from the Zigbee network following indication from the app. All configuration parameters will be reset after the smart outlet is removed from the network.

NOTE: If you want to now add this back to your Zigbee network, refer to Pg. 4, on how to add a device.

Example System Drawing (Ideal Zigbee 3.0 topology)
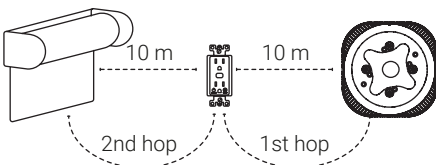
Note: Each Zigbee node should be within 10m of each other and a maximum of 10 hops from any end point to a mesh.

Screen Innovations

9715-B Burnet Rd, Suite 400 Austin, TX 78758

512.832.6939

www.screeninnovations.com