



STARFISH™
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In-Wall Wi-Fi Switch S11267 Installation Guide



A19 Lamps



Strip Lights



Recessed
Fixtures



Smart Lighting
Controls



Flood and
PAR Lamps



String Lights

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Technical Support www.satco.com/Starfish

This switch is rated for Incandescent, CFL, LED and resistive loads as well as motors

120VAC 60HZ

6A (720W) INC, CFL, LED, Resistive, 3.6A Motor

NOTE: A NEUTRAL WIRE IS REQUIRED FOR INSTALLATION

No Derating is required when installing in multi-gang applications.

WARNING:

This product may represent a possible shock or fire hazard if improperly installed or attached in any way. Product should be installed in accordance with the owner's manual, current electrical codes and/or the current National Electric Code (NEC).

CAUTION: RISK OF ELECTRIC SHOCK.

- TURN OFF THE MAIN POWER AT THE CIRCUIT BREAKER BEFORE INSTALLING.

CAUTION: RISK OF FIRE.

- FOR CONTROL OF INCANDESCENT, CFL, LED AND RESISTIVE LOADS AS WELL AS MOTORS

- DO NOT USE WITH CONTROL RECEPTACLE OUTLETS, FLUORESCENT LIGHTING FIXTURES,

- DO NOT EXCEED ELECTRICAL RATINGS.

- USE INDOORS ONLY.

- SHALL INSTALL IN A METALLIC OUTLET BOX HAVING MIN. WIDTH

50MM, OR A NON-METALLIC BOX.

- ONLY USE WITH SOLID COPPER WIRE OR COPPER-CLAD WIRE.

CAUTION:

- INSTALLATION REQUIRES A NEUTRAL WIRE.

- THIS DEVICE DOES NOT WORK WITH SMART LAMPS.

REPLACING LIGHT BULBS.

- Make sure switches are in OFF position (no light level indicator lights are lit)

- To ensure there is no power at the socket when replacing light bulbs, turn off power at circuit breaker or fuse.

FCC/IC INFORMATION

This device complies with part 15 of the FCC Rules and 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.

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.

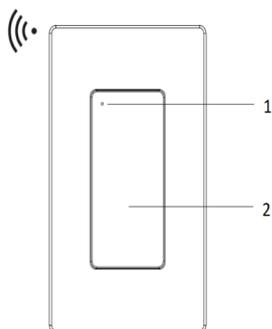
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

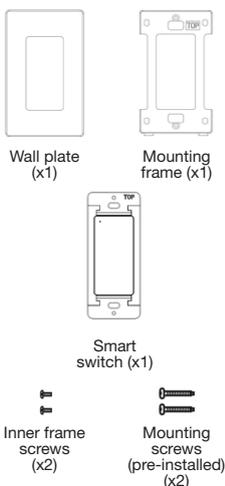
- Consult the dealer or an experienced radio/TV technician for help.

OPERATION

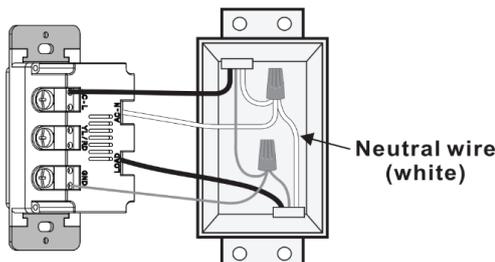


- 1) Power Indicator & Configuration Light
- 2) On/Off Switch

PARTS INCLUDED



Verify that a neutral wire is available prior to installation



How do I know if I have a neutral wire?

1. Turn power off at your breaker box and ensure the power is off
2. Remove the wall plate and existing device from the wall box
3. Remove and straighten all wires from the device
4. If you see a white wire (or bundle of them), it is likely that you have a neutral in that switch box
5. If you do not have a neutral wire, this switch WILL NOT work

If this looks different from your wallbox, please consult a certified electrician

SWITCH INSTALLATION

Turn power OFF at the circuit breaker and ensure power is off.



WARNING: SHOCK HAZARD.

May result in serious injury or death. Turn off power at circuit breaker or fuse and test that power is off before wiring.

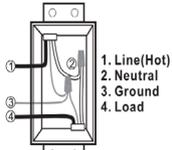
CONTINUED ON OTHER SIDE

Identify if your wiring is SINGLE POLE or 3-WAY

SINGLE POLE:
control from a single location

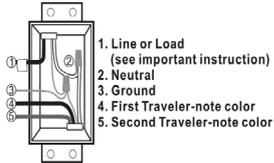
3-WAY:
control from 2 locations

SINGLE POLE



1. Line(Hot)
2. Neutral
3. Ground
4. Load

3-WAY



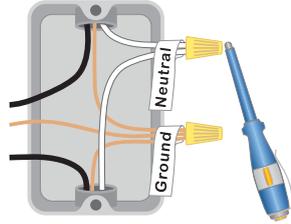
1. Line or Load (see important instruction)
2. Neutral
3. Ground
4. First Traveler-note color
5. Second Traveler-note color

You will need to determine which is the "LINE" wire and wall box and which is the "LOAD" wire and wall box.

Your old switch may have a screw terminal of a different color (usually black). This will either be the "LINE" connection or the "LOAD" connection. Tag this wire with a piece of electrical tape.

Disconnect all wires from the old switch and ensure no wires are touching. Turn the power back on at the circuit breaker. Use a handheld voltage tester to determine if the tagged wire is "live".

If the tagged wire is "live", this is the "LINE" wire and wall box. If not, this is the "LOAD" wire (and wall box in 3-way applications).



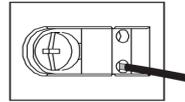
NOTE: Ensure power is off before performing this step!

Preparing and connecting wires:

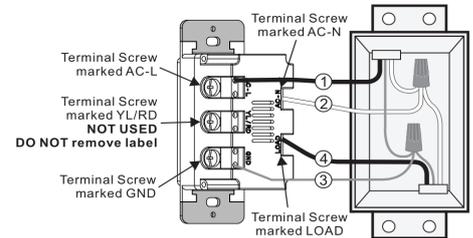
Use with #12-14 AWG solid copper or copper-clad wire. Strip wires to 2 cm (.8 inch).



Insert wires into terminal holes and secure connections by tightening terminal screws to 16 lbf-in (1.8 N.M) as shown.



SINGLE POLE WIRING



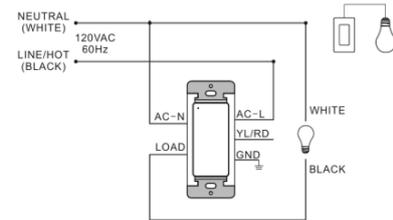
Ensure that the following connections are made:

"LINE" wire to the terminal marked AC-L

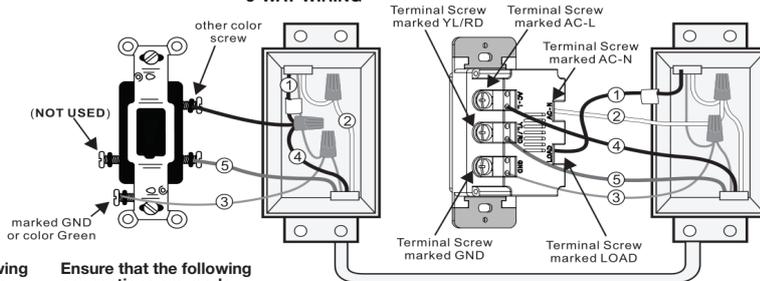
"LOAD" wire to the terminal marked LOAD

Neutral wire to the terminal marked AC-N

Ground wire to the terminal marked GND



3-WAY WIRING



Note: A single pole or 3-way switch can be used alongside the smart switch.

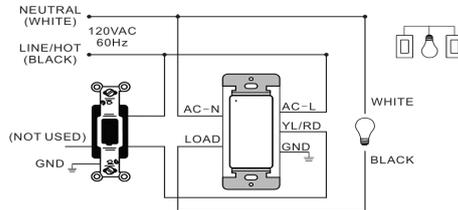
IMPORTANT: The switch must be installed in the "LINE" wall box and the smart switch must be installed in the "LOAD" wall box.

Ensure that the following connections are made at the switch:

"LINE" wire to one terminal
Traveler wire to the other terminal
Ground wire to the GND terminal

Ensure that the following connections are made at the smart switch:

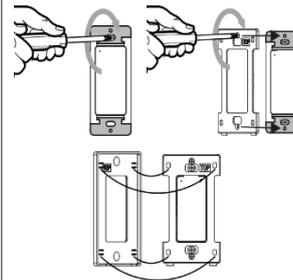
"LINE" wire to the AC-L terminal
"LOAD" wire to the LOAD terminal
Traveler wire to the YL/RD terminal
Neutral wire to the AC-N terminal
Ground wire to the GND terminal



MOUNTING

Push wires into the wall box and push switch into opening

Mount the switch into wall box and install the wall plate



TESTING

Turn power back on at the circuit breaker

Test the device to ensure that the lights will turn on and off



DOWNLOAD THE FREE "STARFISH SMART LIGHTING" APP

Please refer to our Starfish user guide for detailed instructions on how to pair your device

TROUBLESHOOTING

Lights are flickering:

- Lamp has a bad connection.
- The switch wire connections are not firmly secured.

Light does not turn ON:

- Circuit breaker or fuse has tripped.
- Bulb or lamp is burned out.

Power indicator light does not turn ON:

- Neutral is not connected to switch (white wire)
- Confirm that switch is being supplied from a 120V AC, 60Hz source ONLY.

Intermittent switch operation:

- Confirm that the LOAD being controlled does not exceed 6A (720W) INC, CFL, LED, Resistive 3.6A Motor