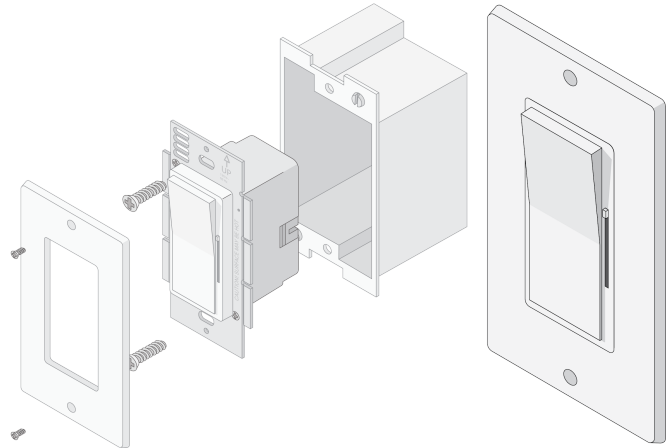


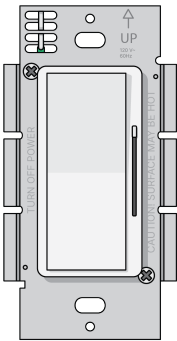
SAFETY & WARNINGS

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
5. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings.
6. Do not modify product beyond instructions or warranty will be void.
7. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
8. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

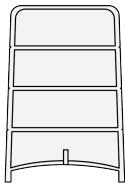


Supplied Accessories

SWITCHEX+



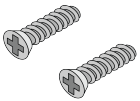
Partition



Twisted Wire Connector (7)

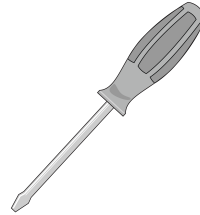


Mounting Screws (2)

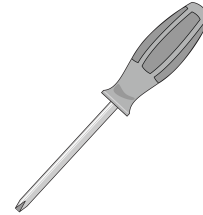


Tools For Install

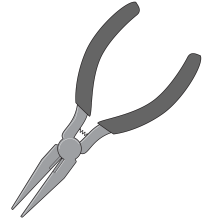
Flat-head screwdriver



Phillips-head screwdriver



Pliers

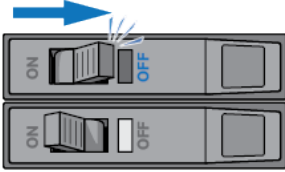


Wire Strippers

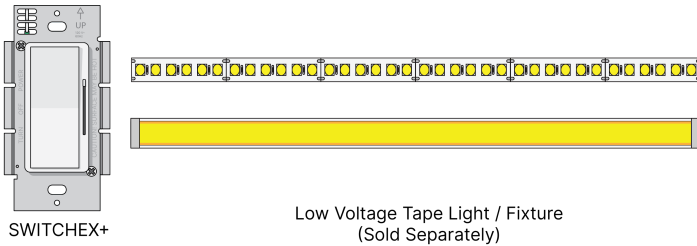


1. Turn Power Off at Circuit Breaker

SHOCK HAZARD! May result in serious injury or death. Turn power OFF at circuit breaker prior to installation.



2. Determine Location to Install Components

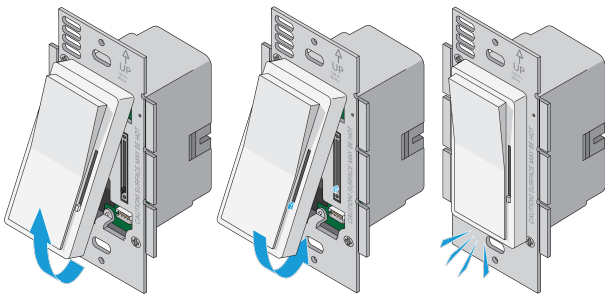


3. Remove Existing Switch (if necessary)

1. Remove trim plate and switch mounting screws.
2. Pull switch from wall.
3. Identify wires connected to switch and mark wires if desired.
4. Disconnect wires from switch.

4. Choose SWITCHEX+ Face Plate Finish (if necessary)

1. Gently press on bottom of face plate and lift from housing.
2. Insert replacement face into top housing groove. Position housing slider and face plate slider at min brightness (bottom level) and pop on face plate.

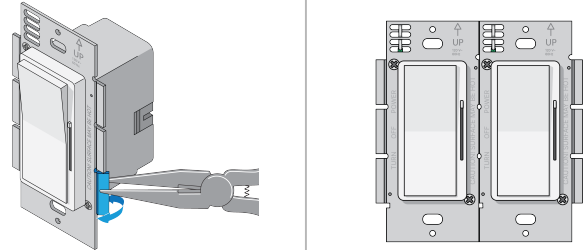


5. Adapt SWITCHEX+ (if necessary)

It is required to break off dimmer fins when ganging multiple dimmers in same wall box.

5.1 - Remove Fins (if necessary)

Grip with pliers. Bend back and fourth until fin breaks off.

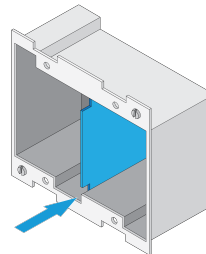


NOTE: ZERO LOAD DERATING

Unlike standard high voltage AC controls, removing SWITCHEX+ fins does not reduce the dimmer's maximum wattage rating.

5.2 - Removable Partition (sold separately)

Install gang boxes that include vertical partitions (available at local electrical distributor) unless Class 2 circuit conductors are installed in accordance with 725.41 Class 1 Circuits.



6. Attach Voltage Partition (Barrier)

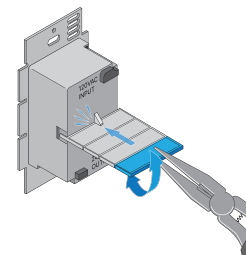
A voltage barrier is provided, which separates high voltage and low voltage wires in the wall box. Attach before mounting.

NOTE: NEC CODE 725.136

Class 1 and Class 2 circuits in same enclosure must be separated by a barrier unless Class 2 circuit conductors are installed in accordance with 725.41 Class 1 Circuits. For example, Non-Metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high voltage and low voltage are installed with NM cable then the voltage barrier is not required for installation.

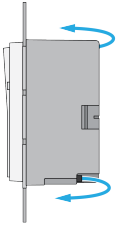
6.1 - Shallow Wall Boxes

For shallow boxes, barrier can be shortened. Grip with pliers. Bend back and forth until fin breaks off.



6.2 - Extra Shallow Wall Boxes

For extra shallow wall boxes it's acceptable to use the dimmer housing as a barrier. Tuck wires on top and bottom sides of dimmer housing.

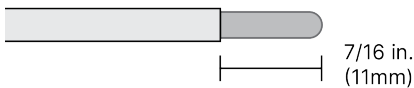


7. Wire Dimmer

NOTE: SPECIAL WIRING INSTRUCTIONS

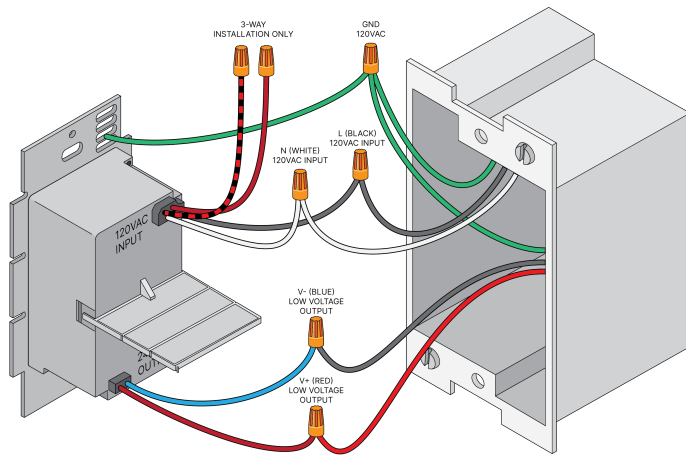
SWITCHEX+ requires unique wiring steps. Read thoroughly.

7.1 - Strip wires on driver.



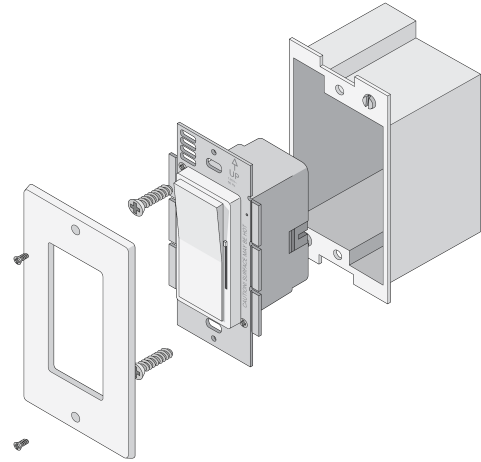
7.2 - Wire dimmer. Ensure Power is OFF.

- GND (GREEN): To ground wire box
- V+ (RED): To low voltage V+
- V- (BLUE): To low voltage V-
- N (WHITE): To 120V Neutral
- H (BLACK/RED): 3-Way Common
- B (BLACK): To 120V Line Hot
- R (RED): 3-Way T2 (Traveller)

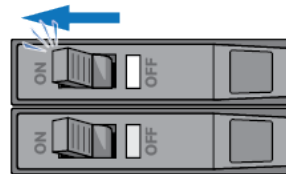


1. Use included voltage partition when installed into a gang box.
2. Use wire rated for at least 300V.
3. Gang box and vertical partition must comply with UL514C article 6 requirements.

8. Mount SWITCHEX+ to Wallbox and Attach Trim Plate



9. Turn Power On at Circuit Breaker



10. Auto-Calibration

To initiate auto-calibration successfully, ensure the following conditions are met:

- The dimming slider should be set to the maximum position.
- Allow 30 seconds in the ON position and the dimmer slider at full brightness for auto-calibration to be saved.

10.1 - Auto-Calibration Steps

It is recommended that auto-calibration takes place once the final light setup is wired.

- 1) Toggle Switchex+ on/off paddle to the OFF position.
- 2) Increase the dimming level to full brightness.
- 3) Toggle SWITCHEX+ on/off paddle to the ON position.
- 4) Wait for 30 seconds for auto-calibration to complete.
 - During this time the luminaire will flash and dim on its own. Do not interrupt this process.
- 5) Verify dimming functionality using the dimmer slider.

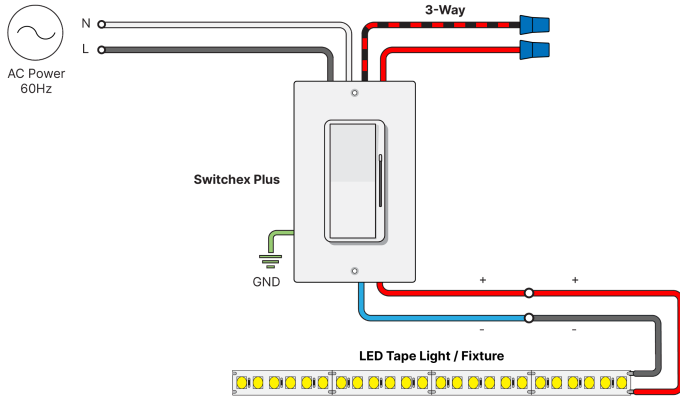
System Diagrams

Mount using included mounting clips/channels/screws.

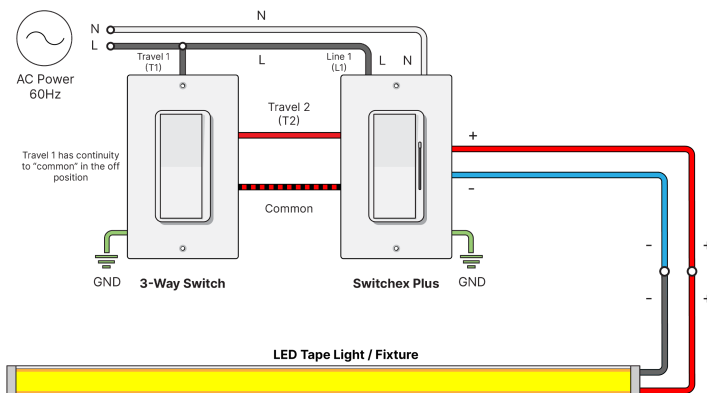
The following diagram is an example system design. For information regarding larger systems or systems not pictured below, please see our web page or contact technical support. Always review each component installation guide for detailed and up-to-date wiring instructions. Install in accordance with national and local electrical codes.

Other diagrams will vary based on power and dimming requirements.

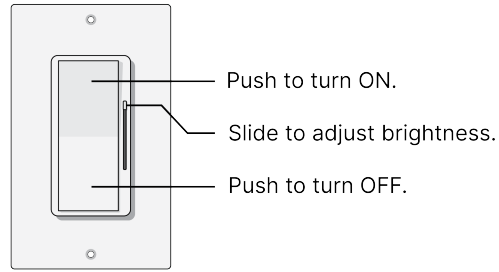
Standard Dimmer System



3-Way Dimmer System



Operation



Troubleshooting

Symptom 1: Fixture does not illuminate

Common Cause

- Incorrect wiring. Polarity of Low Voltage V+ and V- are reversed.
- Circuit breaker is OFF or tripped.
- Incorrect voltage pairing of dimmer and fixture. 12V dimmer models will not power a fixture with a higher voltage rating.

Symptom 2: Different fixtures do not dim in sync.

- Fixture turns off at low dim level.
- Fixture strobos/flickers at low dim level.
- Dimmer buzzes excessively

Common Cause

- Only install 24VDC tape light or fixtures on the compatibility list.

Symptom 3: Fixture heats up excessively

Common Cause

- Incorrect voltage pairing of dimmer and fixture. Do not attach a 12VDC fixture to a 24VDC dimmer.
- Fixture is not compatible.

Symptom 4: Product does not dim consistently

Common Cause

- Disconnect from power and repeat calibration steps.