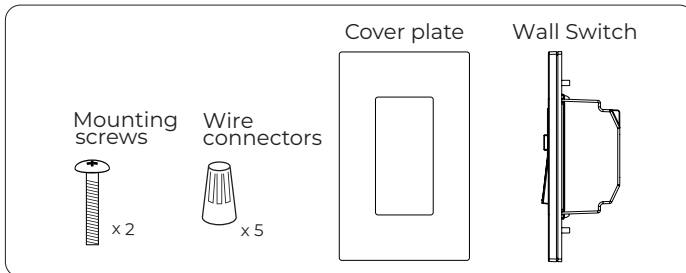
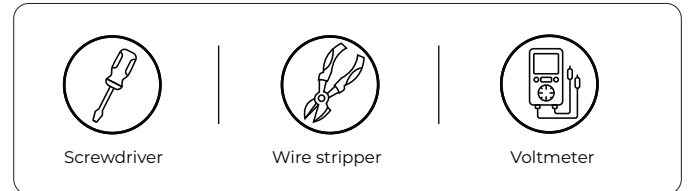




## Item Identification

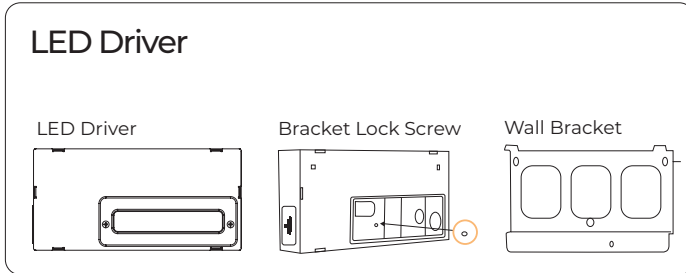


## Tools Needed

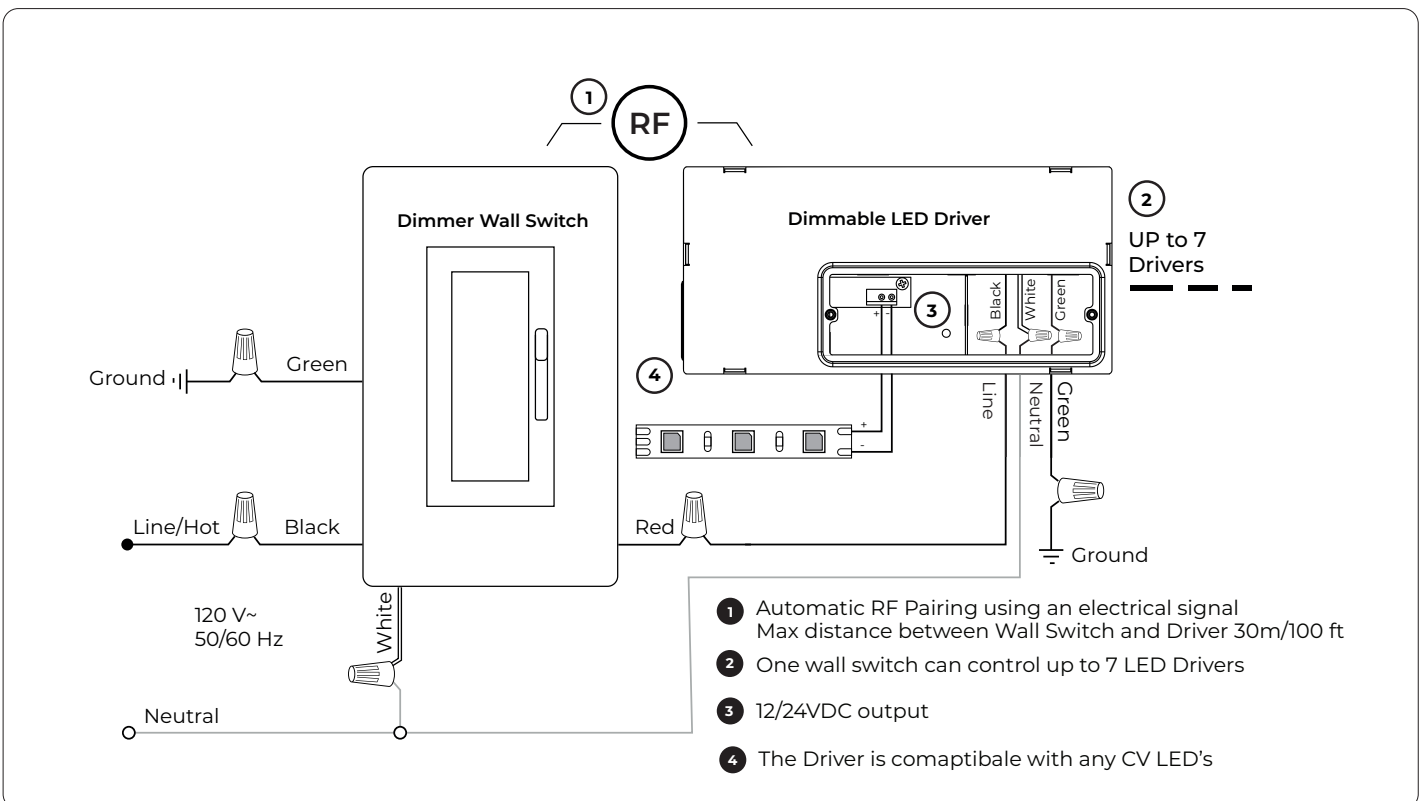


## Important Notes Please Read Before Installation!

- All system parts work in compatibility ONLY with each other. DO NOT attempt to install with parts from other manufacturers.
- The system requires a Neutral wire. If you don't have Neutral wires in the wallbox, please consult an electrician.
- The system is to be installed in accordance with the National Electrical Code or local code.
- The system is to be installed and serviced by a qualified, licensed electrician.
- Both Wall Switch and LED Driver must be grounded in accordance with the NEC or local codes.



## Overview of System Wiring



## LED Driver Installation

### Quick Specs

Input voltage	120VAC
Output voltage	12 / 24VDC (Check Sticker)
Ambient Temp	-30°C - + 40°C / -86°F - + 104°F
Environment	Dry and Damp

### Before You Begin

Determine the location of system parts :

1. Wall Switch
2. LED Driver

**Note:** Max distance between Wall Switch and LED Driver 30m/100 ft.

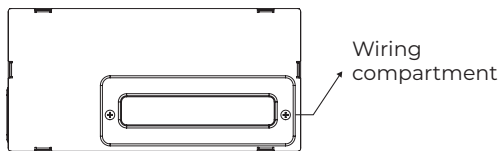
## WARNING

### Before You Begin

To avoid fire, shock, or death, turn the power off at circuit breaker and test to ensure the power is off before wiring.



### 1. Open wiring compartment



### 2. Punch knockouts for wiring conduit access

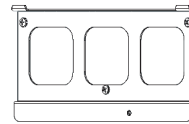


### 3. Mounting the Driver :

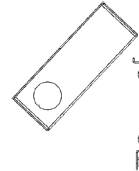
Select a suitable location, which can provide adequate support for the weight of the driver.

**Note :** Install the LED Driver in a well-ventilated area free from explosive gases and vapors.

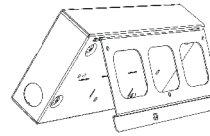
#### A. Mount the wall bracket



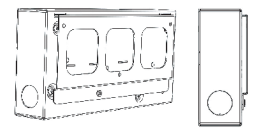
#### B. Position LED Driver at an angle over the bracket's latches



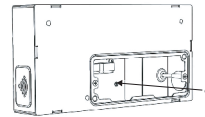
#### C. Place LED Driver on the bracket latches



#### D. Align LED Driver on bracket



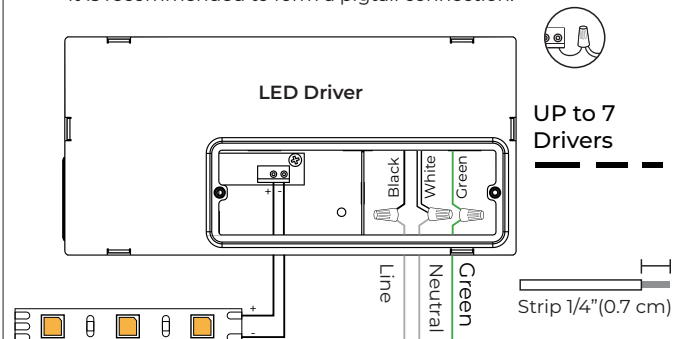
#### E. Install the supplied lock screw



### 4. Wire Connections :

With the power switched off, connect the wires according to the wiring diagram below.

**Note :** If you are connecting more than one wire to each terminal, it is recommended to form a pigtail connection.



## Wall Switch Installation

### Wallbox

1. A standard single-gang wallbox sized 3 x 2 x 2 1/2 cm will service Dimmer
2. Not compatible with multi or double Mud Rings.
3. When using a retrofit gang box (cut in box) you might need to recess the ears.

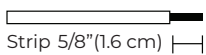
### Maximum Load

Input voltage	Max Load
120VA	700W

**Note :** A maximum of 7 Drivers Led drivers can be controlled with each Dimmer.

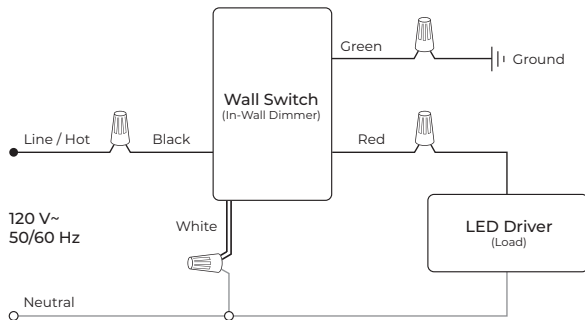
### Step 1 : Preparing Wall Box Wires

1. Make sure that the ends of the wires from the wallbox are straight (cut if needed).
2. Strip the wire insulation from each wire. in the wallbox as shown here :



### Step 2 : Wall Switch Wiring

Connect wires according to the wiring diagram below.



#### Wiring Description (Using wire connectors)

1. Connect the green (or bare copper) wire from the wallbox to the green Wall Switch wire.
2. Connect the line/hot wire from the wallbox to the black Wall Switch wire.
3. Connect the black LED Driver wire to the red Wall Switch wire.
4. Connect the white wire from the wallbox to the white LED Driver wire and the white Wall Switch wire.

### Step 3 : Mounting the Wall Switch

Mount the Wall Switch into the wall box using the screws provided.

### Step 4 : Restore power

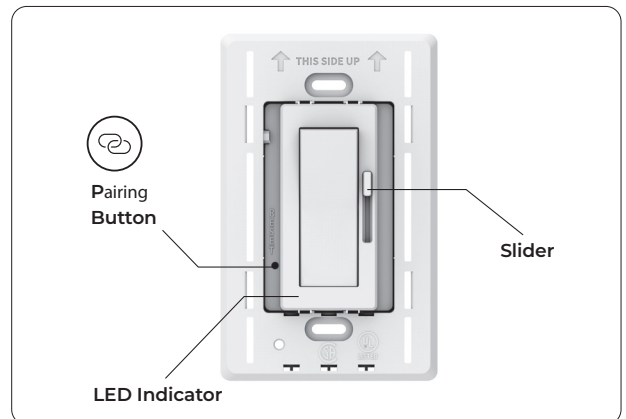
1. Turn the power on at the circuit breaker.
2. Verify 120V with a Voltmeter



## Pairing

Before starting the pairing process, if you are installing more than one Wall Switch unit, all others must be switched off when you pair each unit

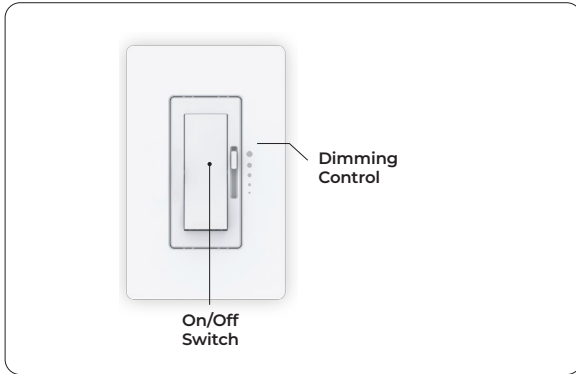
1. Before starting, make sure both sliders are moved all the way up and Wall Switch is switched off.
2. Switch the power on at the circuit breaker, and the LED Indicator will light up in green.
3. Remove the sticker and turn on the Wall Switch paddle switch.
4. The green LED Indicator will blink while pairing.
5. After up to 15 seconds, your LED fixture should be paired with Wall Switch
6. To verify pairing is successful, move the sliders and ensure that the LEDs respond accordingly.
7. If you encounter a problem at any stage of the pairing process, follow through the instructions under "Reset"..



### System Installation Complete!

Make sure the AT logo is on the bottom left corner.

## Operation - Dimmer Wall Switch



## Reset

The reset process matches between the Wall Switch and the LED Driver/s connected to it. If you are replacing the Wall Switch or the LED Driver in an existing system, the reset process must be performed.

**Important Note :** if you are installing more than one Wall Switch unit, all others must be switched off when you pair each unit.


1. Before starting, make sure both sliders are moved all the way up and the Wall Switch is switched off.
2. Make sure that the power is turned on at the circuit breaker.
3. Push the Reset button using a toothpick or similar object – see the location of the Reset button in the below diagram.
4. The green LED Indicator will blink while pairing.
5. After a maximum of 15 seconds, your LED fixture should be turned on indicating that the reset process has been completed.
6. To verify pairing is successful, move the sliders and ensure that the LEDs respond accordingly.
7. If you encounter a problem at any stage of the pairing process, please check troubleshooting symptoms or contact our support team.

## Trouble Shooting

Symptoms	Cause	Probable Action
Wall Switch LED Indicator blinking RED	Reset button is pressed while the wall switch is OFF	Turn ON the switch and press the reset button again
Wall Switch LED Indicator steady RED	Wall Switch is trying to perform pairing	Turn on the switch until pairing is complete
Lights do not respond to Wall Switch	Breaker is OFF or tripped	Turn power On at Circuit breaker
	Improper paring	Perform "Reset"
	Improper wiring	Make sure all wires are connected according to the wiring diagram
	Short circuit at the LED Driver output	Check LED driver output for short circuits
The wall switch is controlling the wrong lights (Only if multiple Wall Switch units are installed in the same location)	The Wall Switch was paired with the wrong LED Driver	Perform "Reset". Make sure all other Wall Switches are turned off while pairing
Wall Switch / LED Driver Replacement	Any reason	Perform "Reset". Make sure all other Wall Switches are turned OFF while paring

## Customer Assitance

For technical questions regarding the installation or operation of this product, please contact our customer support team :

 347-334-6368 ext 3

 [www.ambientechinc.com](http://www.ambientechinc.com)



## Caution

To Reduce the Risk of Overheating And Possible Damage To Other Equipment, Do Not Install To Control A Receptacle, A Motor-Operated Appliance, Or A Transformer-Supplied Appliance.

## FCC/IC Information

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
2. this device must accept any interference received, including interference that may cause undesired operation.