



Wireless Receiver / LED Dimmer

850.00.905



Package Contents

- (1) Receiver
- (1) Antenna Cover
- (1) Quick Start Guide

Quick Start Guide

When connected to a Loox Driver, the ILLUMRA wireless Receiver dims LED lights. One Receiver can link to 25 Switches and/or Motion Sensors. Each Switch or Motion Sensor can be linked to multiple Receivers (limited only by radio range).

CAUTION

- The Receiver is intended only for use indoors and in dry locations.
- Link and test your wireless controls prior to final installation.
- Install and Use in accordance with local electrical codes & regulations.
- If unsure about any part of these instructions, consult an electrician.

Wireless Range Optimization

- Avoid metal enclosures when possible.
- Mount away from interference sources.
- Straighten the antenna out & away from the Receiver using the Antenna Cover provided for this purpose (Fig. 1, p2).



Wireless Switch
850.00.906

Connect Receiver

1. Connect:
Loox Driver → Receiver → Lights.
Plug Loox Driver into a power outlet.

>> Lights will turn on & the Receiver will enter “Express Link Mode” which will be active for 5 minutes after powering-on to link or unlink Switches. The Receiver's power LED flickers 1x per second while the “Express Link Mode” is active.



The Receiver will remain in “Express Link Mode” for 5 Minutes after power up. To reactivate “Express Link Mode”, cycle the power.

Link / Unlink Wireless Switch

While in Express Link Mode, follow steps a, b & c without pausing in between steps.

Link Wireless Switch



- a. Click TOP rocker 3x (3 times) (TOP is indicated under the faceplate and on the back of the Switch).
 - b. Click BOTTOM rocker 3x.
 - c. Click TOP rocker 3x.
- >> Lights will blink 3x, then turn ON slowly to indicate a successful link.
- d. Short press Switch to turn light ON or OFF and long press to Dim UP or DOWN.

Unlink Wireless Switch

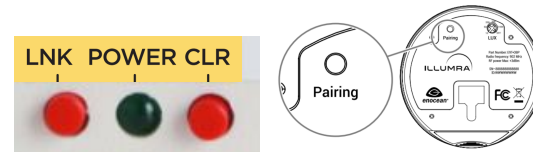


- a. Click BOTTOM rocker 3x
- b. Click TOP rocker 3x.
- c. Click BOTTOM rocker 3x.

>> Lights will blink 3 times, then fade OFF slowly to indicate the link was removed.

Link / Unlink Wireless Motion Sensor

Connect Loox Driver → Receiver → Lights (refer to “Connect Receiver” section).



1. Manually Enter “Link Mode”

- a. On the Receiver:
Long-press the “LNK” button.
(press & hold button >5 secs).
>> Lights will start blinking to indicate “Link Mode” is active.

2. Link or Unlink Motion Sensor

Note: Use a paperclip or similar item to access buttons.

- a. To Link: On the Motion Sensor:
Briefly press the “Pairing” button.
>> Blinking Lights will pause ON to indicate a successful link.
- b. To Unlink: On the Motion Sensor: Press the “Pairing” button.
>> Blinking Lights will pause OFF to indicate the link was removed.

3. Exit “Link Mode”

- a. On the Receiver:
Wait 30 seconds for blinking to stop or long-press the “LNK” button to exit immediately.

4. Test

Hide movement from the Motion Sensor and the lights will turn OFF. The no motion timeout is set to 30 seconds by default. The lights will turn ON when motion is sensed. Reference the Motion Sensor User Guide to adjust the timeout.

Specifications

Range	50-150 feet (15-50m)(typical)
Frequency	902 Mhz
Power Input	8-30VDC
Power Output	5A, 100W, Class II Low Voltage
Memory	25 linked Switches or Sensors
Operating Temp	32° to 140°F (0° to 60°C)
Storage Temp	-40 to 140 °F (-40 to 60°C)
Dimensions	2.88 x1.3 x 0.67 Inches (73x33x17mm)
Radio Certification	FCC: SZV-TCM300U I.C. 5713A-TCM300U
Safety Approval	Class II Low Voltage

Troubleshooting

1. Confirm the Receiver is connected correctly and functional:

- The green power light on the Receiver should be illuminated. No power light indicates that power is not on or the Receiver has been damaged.
- Press the “CLR” button on the Receiver to toggle the light. Subsequent presses will cycle between ON and OFF. Press and hold to dim. Release and hold again to reverse the dim direction.

2. Confirm the Switch is functional:

- Click the Switch and confirm that the Receiver power light flickers. Each time the Switch transmits, whether it is linked or not, the power light should flicker briefly. If it does not flicker, either the Switch isn't transmitting or the Receiver isn't receiving.
- Link the Switch to the Receiver. Using instructions on page 1.

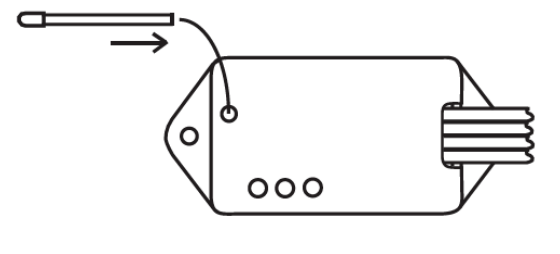
Receiver “Power” LED Codes

Power LED Pattern	Meaning
OFF	No Power
ON w/ Flicker (1x flicker per second)	“Express Link Mode” This mode is for linking Wireless Switches Mode is activated automatically for 5 mins after power-up.
ON Steady / No Flicker (exception: intermittent flickers indicate the receipt of any compatible signal within wireless range)	“Operating Mode” This mode follows the 5-minute “Express Link Mode”. Receiver controls all ON/OFF/DIM functions.
ON/OFF Blink (50/50 On/Off)	“Link Mode” This mode is for linking Wireless Motion Sensors.
Repeating Blinks w/ Pause	Which Link Mode? Indicates which Link Mode is active - refer to Advanced User Manuals.

Maximizing Wireless Range

To maximize wireless range, use the antenna cover to elongate the Receiver antenna.

FIG. 1 - ANTENNA COVER PLACEMENT



Contains FCC ID: SZV-STM300U
Contains IC: 5713A-STM300U

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference and,
- this device must accept any interference received, including interference that may cause undesired operation.

This device or certain aspects thereof is protected by at least one U.S. or international patent or has at least one such patent application pending.