



# SmartLabs MS01 Multi Sensor User Guide

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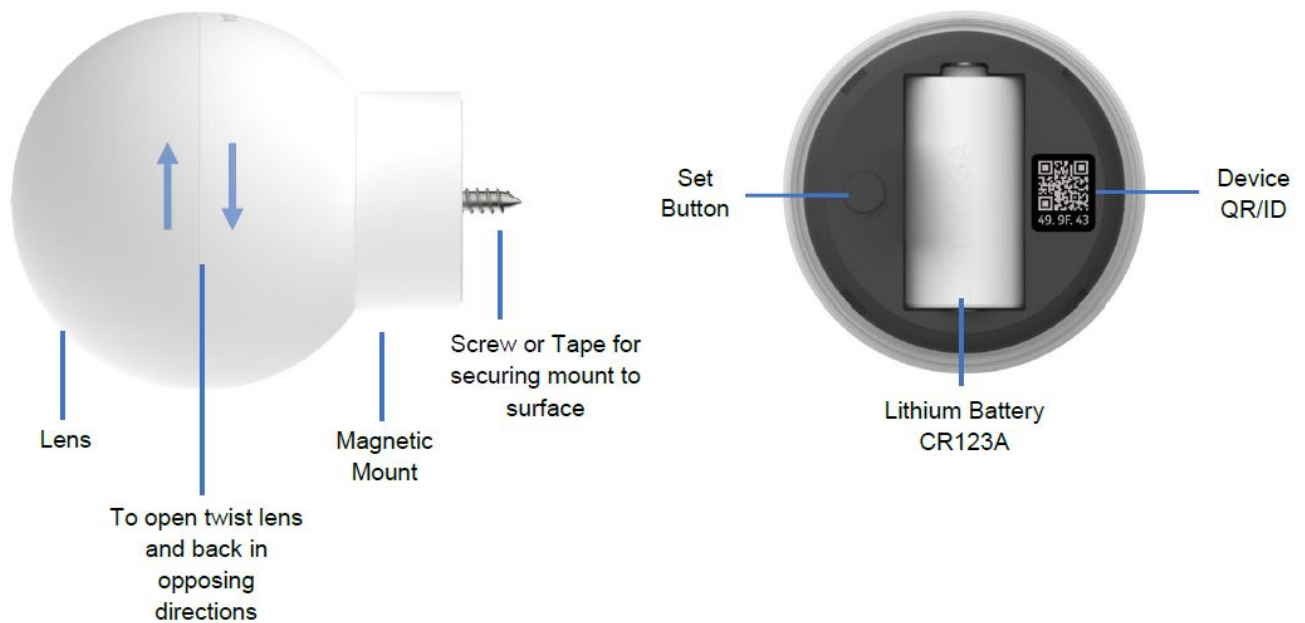
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**SmartLabs MS01 Multi-Sensor**



## Device Overview



## Features

- Automatically turn lights on when entering a room
- Automatically turn lights off after a period of inactivity
- Long detection range of 30 feet with wide 110 degrees field of view
- Use indoor or outdoor
- Able to be paired manually to Smart Lighting products for installations not requiring a smart bridge
- Unlock more features when paired with a Smart Lighting Bridge
- The magnetic base makes it easy to adjust the sensor viewing area. Simply set it on a desk or shelf or permanently mount it to flat surfaces using either screw or tape.

## What's Included

- Sensor
- Battery (CR123A)
- Magnetic mount
  - Adhesive tape
  - Mounting screw
- Quick start guide

## Requirements

- Smart Lighting products
- Bridge for app-based setup, configuration, and access to other sensing capabilities

## Installation

### Power on the sensor

1. Open the case: with the lens side facing you, grasp lens with one hand and the back cover with the other and twist the lens counterclockwise. It will turn and stop about 1/8". Pull lens and back cover apart.
2. Remove the clear plastic battery tab ensuring the battery is properly seated in place
  1. Interpreting power-up behavior:  
Solid purple LED for 4 seconds followed by Quick green LED + beep Normal startup behavior with good battery. This sequence is followed by one of the following behaviors:
  2. Solid Cyan (blueish green) LED for 1 minute Indicates the device has not yet been paired. During this 1 minute, the sensor is awake and ready to be paired with a bridge via the app (coming soon)
  3. Solid Green LED for 4 seconds Indicates the device has been paired
  4. Solid Yellow LED with a long beep Indicates a low battery

### Choosing a location for the sensor

- General placement considerations – TBD
- Indoor – TBD
- Outdoor – TBD

### Mounting sensor

The sensor mount is magnetic which allows you to easily attach it and the sensor to a metal surface. Or it can simply be placed on any flat surface. Alternatively, you can permanently attach it by way of removing the backing on the adhesive tape and pressing it firmly on a flat surface. A screw is also provided if mounting using adhesive isn't secure enough.

- Adding to Mobile App (COMING SOON)
- Configure Settings from Mobile App (COMING SOON)
- Configure settings manually

Below is a table showing the steps to select from the various options. These and more are accessible via Smart Lighting app which is enabled by the Bridge.

P&H = Press and Hold for 3 seconds until the unit beeps

Set Button	1 P&H	2 P&H	3 P&H	4 P&H	5 P&H
Section	Linking	Unlinking	Countdown	Day/Night	Vacancy/Occupancy
LED Color	Green	Red	Blue	Cyan	Magenta
Mode	Link	Unlink	30 Sec	Day & Night	Vacancy
Set Button	Tap=Next	Tap=Next	Tap=next / P&H=Save	Tap=next / P&H=Save	Tap=next / P&H=Save
Mode	Multi-Link	Multi-Unlink	1 Min	Night Only	Occupancy
Set Button	Tap=Next	Tap=Next	Tap=Next / P&H=Save	Tap=Next / P&H= Save	Tap=Next / P&H=Save
Mode	Exit	Exit	5 Min	Set Night Level	Exit
Set Button	–	–	Tap=Next / P&H=Save	Tap=Next / P&H=Save	–
Mode	–	–	Exit	Exit	–

Configure sensor to control a single

### Configure sensor to control groups of devices

Perform any programming/setup near where you intend to permanently mount the sensor. This will ensure that expected location is or is not within range.

### Testing

Tap the set button on the sensor to activate the linked devices. Tap again to de-activate.

#### Manual Configuration

Linking to control a light

- Starting at the sensor, press and hold the set button for 3 seconds (it will beep and the LED indicator will begin blinking green)
- At the switch
  - Adjust to your preferred lighting preset position (On, Off, 50%, etc.)
 

**Tip:** if you want to adjust the speed at which dimmable switches fade to the preset position, follow the steps to set the fade speed. When finished, be sure to complete the steps here within 4 minutes.
  - Press and hold the set button until you hear a double beep
- Repeat the steps above with each additional lighting preset controller. Be sure to include other lighting preset controllers as responders in order to ensure status is in sync (keypad buttons, multi-way circuits, etc).

#### Linking to control a group of lights

- Starting at the sensor, press and hold the set button for 3 seconds (it will beep and the LED indicator will begin blinking green)
- While the LED is flashing green, tap the set button (it will beep and the LED indicator will start double-blinking

green) – the device is now in multi-link mode

6. At each of the switches, follow these steps one at a time

1. Adjust to your preferred lighting preset position (On, Off, 50%, etc.)

**Tip:** if you want to adjust the speed at which dimmable switches fade to the preset position, follow the steps to set the fade speed. When finished, be sure to complete the steps here within 4 minutes.

2. Press and hold the set button until you hear a double beep

7. When finished, tap the set button on your sensor(its LED will stop double blinking green)

8. Repeat the steps above with each additional lighting preset controller. Be sure to include other lighting preset controllers as responders in order to ensure status is in sync.

9. Test your lighting preset using your lighting preset controller. If you have any changes to make to any presets, you can do so by repeating steps 1-4 and then step 5 for any additional preset controllers you may have.

### **Unlink Sensor from Controlling Another Device**

- Press and hold the set button on the Sensor for 3 seconds (it will beep and the LED indicator will begin blinking green)
- While the LED is blinking green, press and hold the set button again for 3 seconds (the unit will beep and the LED will start blinking red)

**Tip:** if you plan on unlinking multiple devices, tap the set button once to put it into a multi-unlink mode (it will beep and its LED will begin double-blinking red). This will allow you to unlink multiple devices without repeating these first steps for each device you unlink. When finished with the steps below, return to the Sensor and tap the set button once to take it out of multi-unlink mode otherwise it will automatically drop out of this mode after 4 minutes of inactivity.

- At the other device, press and hold the set button until you hear a double beep Note: if your responder is a keypad, make sure you tap the button you wish to remove as a responder first before pressing and holding the set button
- The Sensor LED will stop flashing to indicate the unlink is completed

### **Factory Reset**

The following process will reset your device back to its factory settings. Things such as on-levels, fade speeds, links to other devices will be removed.

1. Remove the battery
2. Press and hold the set button all the way in and hold down.
3. While holding down the set button, install the battery
4. The Sensor will start to beep
5. When the beeping stops, stop pressing the set button

### **Regulatory Statements**

Caution: not designed for wiring to a switched outlet

### **Certification**

This device contains license-exempt transmitter(s)/receiver(s) that complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada’s license-exempt RSS(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 of the device.

To maintain compliance with the FCC’s and Canada’s ISED RF exposure guidelines, place the unit at least 20 cm (7.9-inches) from nearby persons.


**FCC STATEMENT**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. 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 and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna of the device experiencing the interference
- Increase the distance between this device and the receiver
- Connect the device to an AC outlet on a circuit different from the one that supplies power to the receiver
- Consult the dealer or an experienced radio/TV technician.

**WARNING:** Changes or modifications to this device not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

**Documents / Resources**

	<p><a href="#">SmartLabs MS01 Multi Sensor</a> [pdf] User Guide MS01, SBP-MS01, SBPMS01, MS01 Multi Sensor, MS01, Multi Sensor</p>
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