



# OLIGHT Obulb MCs Motion Sensor Rechargeable Lantern User Manual

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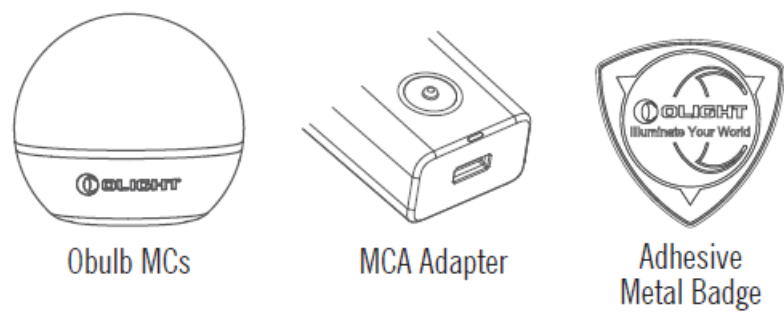


## OLIGHT Obulb MCs Motion Sensor Rechargeable Lantern



Thank you for purchasing this Olight Product. Please read this manual carefully before use and keep it for future reference!







IN THE BOX



FEATURES

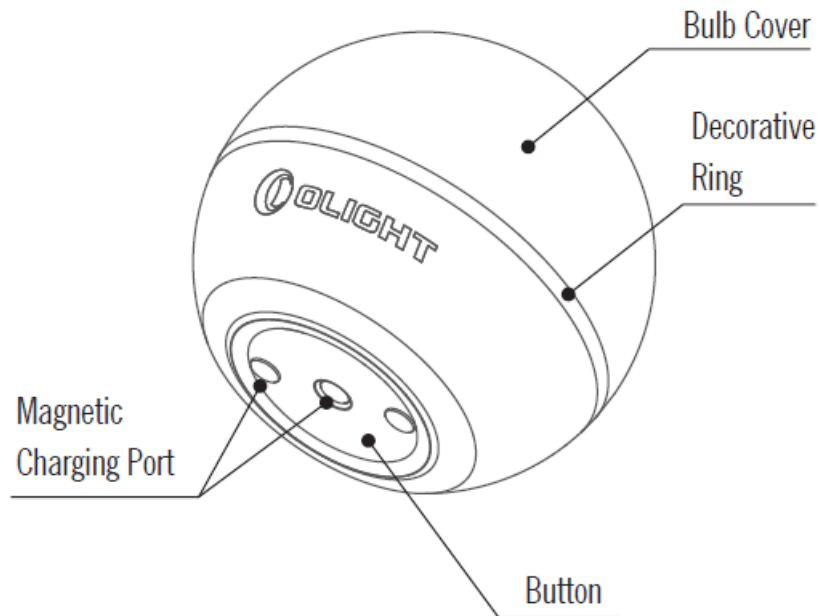
- 8 light modes: white light (low), white light (high), red, green, blue, fade between colors, cycle between colors, flashing red.
- IPX7 waterproof and 1.5-meter impact-resistant, the Obulb MCs can be a good pool light and game partner.
- Short press the intuitive rubber-coated button to switch on and cycle through 8 light modes, or long press to turn off.
- Lightweight and small, the light orb fits well in your pockets or backpacks for everyday carry.
- When charging, the light will automatically enter into motion sensor mode (In bright conditions, it will automatically turn off; In darkness, it will turn on when people come, and turn off after people leave). This mode has a stepless dimming function; user can adjust the brightness level at a range of 5%-100%. The user can also turn off the motion sensor as needed. Motion sensor distance: 0~5m (The sensing distance will be further if the Obulb MCs is placed horizontally in a smaller space).
- Operating temperature: 0C ~ 40C;
- Storage temperature: -20C ~ 60C

SPECIFICATIONS

MODE			
WHITE LIGHT(HIGH)		75lumens	3h
WHITE LIGHT(LOW)		3.5lumens	40h
COLOR FANTASY		* 3~7 lumens	7h
 1.5m	 IPX7	 Φ 54*H 48mm Φ 2.13*H 1.89in	 60g / 2.12oz

- The luminous flux of color fantasy is not fixed due to color changing.
- All data above are test results according to ANSI/NEMA FL 1-2009 standards.
- The tests are performed using the built-in battery that is fully charged.

PRODUCT OVERVIEW

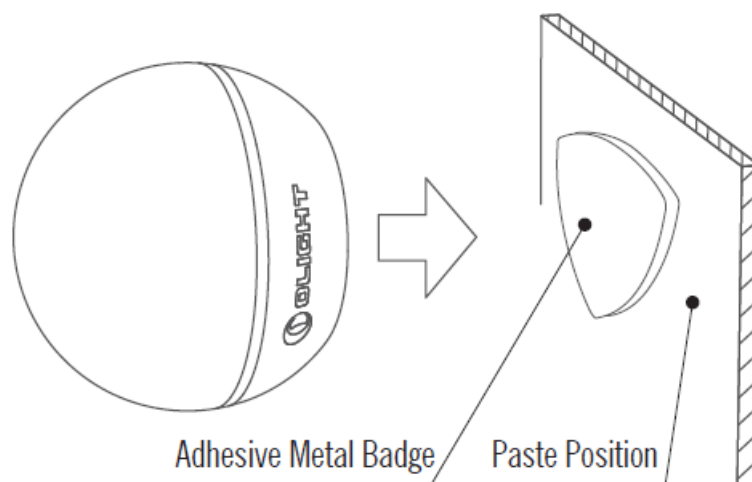


## BATTERY TYPE

Built-in 630mAh 3.7V Rechargeable Lithium Polymer Battery.

## HOW TO USE THE ADHESIVE METAL BADGE

1. Clean and dry the paste position.
2. Gently and carefully peel out the protective film and DO NOT touch the sticky side.
3. Paste the sticky side of the adhesive metal badge onto the desired position and press it evenly until it is fixed in place.
4. Attach the Obulb MCs on the adhesive metal badge.



## NOTICE

- The output brightness will decrease as the battery runs low and its voltage decreases, until the light goes off.
- The Obulb MCs can be charged with an MCC1A/MCC3 cable that has a slower charging rate than the MCA adapter. While charging with an MCC cable, the power input is similar to the power used when the Obulb MCs' motion sensor is active. Therefore, it will take longer to fully charge the product (the charging indicator turns

green).

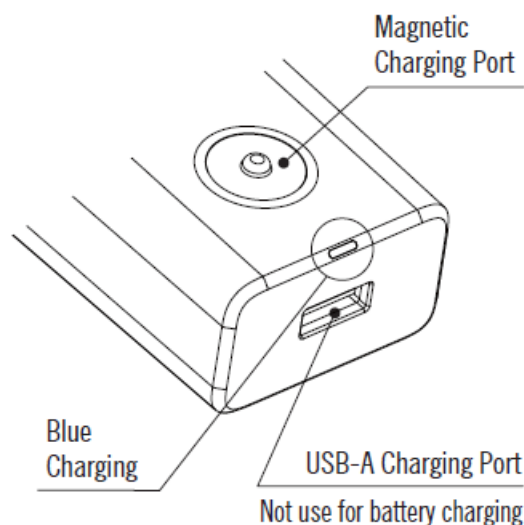
- The battery has a thermal protection feature. When the battery is working in a temperature higher than 40C, the light output of Obulb MCs may flicker.

## WARNING

- DO NOT drop the light or impact it heavily to protect the built-in battery.
- DO NOT charge the product if it becomes dirty or wet after used in a wet place. Before charging, please clean and dry it.
- DO NOT let a pet play with it, in case the pet will bite and damage it.
- DO NOT hit it as a ball, which may cause irreversible damage.
- DO NOT use it as a baby toy.
- It may be damaged or distorted at a temperature of 60C or higher.
- Input voltage higher than 5V or voltage fluctuation may damage the IC, lead to short-circuit and even melt the charging interface

## UNLOCK THE LIGHT BEFORE FIRST USE

CHARGING TO UNLOCK THE PRODUCT BEFORE FIRST USE.



## NOTE:

- When the charging cable is connected for the first time, it is normal that the indicator of the cable flashes red once or twice to signal charging cable detection.
- During the process of charging, the indicator will be delayed for 1 second to turn off after disconnection with the charger.

## CHARGING

- Before first use please fully charge the product.
- Plug the MCA adapter into an external AC power source, and then attach the Obulb MCs to the magnetic

charging port of the MCA adapter for charging. It takes 1.5 hours to fully charge. The full charging voltage of the magnetic port is  $4.2V \pm 0.05V$ .

- USB Type-A port output: 5V/2.4A; Magnetic port output: 4.2V/2A (max).
- MCA adapter input voltage: 100-240Vac, 50/60Hz
- The red indicator means charging, while the green indicator means charging completed.
- If the battery power is less than 10%, it will flash once when turn on the light or switch the modes, and it will flash once every 30 seconds to remind the user to charge it.

## HOW TO OPERATE

The button is located at the bottom of the product. It can be operated by pressing the flat part of the bottom, or by pressing the top of the cover provided that the product sits securely on a hard surface.

### ON/OFF

Single click the button to turn on the light. Press and hold the button to turn it off, and the last mode will be memorized.

### CHANGE OUTPUT

When the light is on, single click to switch the modes. The circular order is as following: White light (low) to White light (high) to Red to Green to Blue to Fade between colors to Cycle between colors to Flashing red to OFF to White light (low) etc...

### SPECIAL MODE

The special mode is divided into "random" and "challenge" mode. The default duration of the random mode is 30 seconds. By entering challenge mode and passing levels, a longer random mode duration can be achieved.

**NOTE:** Only the highest level passed will be memorized.

### RANDOM MODE

Keep pressing the button between 20 and 200 times with less than a 5 seconds interval and the product will randomly enter special mode with rapidly spinning colors. The color spin gradually slows down, and after 30 seconds, the Obulb MCs reverts to low white light automatically. If you want to re-enter random mode, press the button between 20 and 200 times again.

### CHALLENGE MODE

1. Make sure the light is in any color mode excluding the random mode and then press and hold the button for more than 3 seconds to enter challenge mode with rapidly spinning colors. At this point, you can start clearing levels immediately. If you don't start, the Obulb MCs will exit challenge mode and revert to low white light after 5 seconds. Charging the product in the process will also cause it to exit the challenge mode.
2. Keep pressing the button with about a 1s interval to clear levels. The first challenge level will be cleared when the interval between the initial button press and the second is within  $1s \pm 500ms$ . Each time the button is pressed again, the challenge level increases and so does the difficulty. You fail if the interval between pressing the button is too short or too long. When you fail, low white light is activated and the system records the highest level you have cleared. Each cleared level adds 10 seconds to the random mode.
3. When you fail but want to continue the challenge, please continue pressing the button within about a 1 second interval. If you achieve the interval required by the first challenge level within 5 seconds, the challenge restarts at level 1 and the light starts rapidly spinning colors. When the reached level exceeds the previous record, the new record will be memorized and the random mode duration increases accordingly.
4. If you didn't fail but stop pressing the button, the colors keep spinning rapidly for  $10 \times X$  seconds (X refers to the

highest level you have passed), after which the challenge mode is deactivated.

5. The random mode duration is  $30+10 \times X$  seconds where X refers to the highest level you have passed. After passing 100 levels, the random mode duration is unlimited.

### **WHITE LIGHT (LOW)**

When the light is off, press and hold the button for less than 2 seconds to access white light (low) directly.

### **LOCK/UNLOCK**

When the light is off, press and hold the button for over 2 seconds, the light will be locked out after a short flash. Under the lockout mode, if press the button for less than one second, the light will be on with low white light momentarily. To exit the lockout mode, press and hold the button for over one second until the light is on with low white light after a quick blink.

### **MOTION SENSOR & STEPLESS DIMMING**

The motion sensor will be on in the charging state. The light defaults to off when the product is connected for the first time. After the ambient light drops to the threshold of motion sensor, the product will light up white when people come, and automatically turn off after 15 seconds when sensing nobody moving. When the light is on, press and hold the button to carry out stepless dimming. The stepless dimming range is 5%-100% when the battery power is sufficient.

When the Obulb MCs is disconnected from the power source, the light will turn off if it is currently activated and the motion sensor will be disabled.

### **MOTION SENSOR ON/OFF**

In the white light (low) mode, press and hold the button for 3 seconds, the red light means the motion sensor is turned off while the green light means the motion sensor is turned on. Release the button and the red/green light will turn off.

### **FCC STATEMENT**

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, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

**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.

### **FCC RADIATION EXPOSURE STATEMENT:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

### **Documents / Resources**



[OLIGHT Obulb MCs Motion Sensor Rechargeable Lantern](#) [pdf] User Manual  
Obulb MCs, Motion Sensor Rechargeable Lantern, Obulb MCs Motion Sensor Rechargeable  
Lantern, Rechargeable Lantern, Lantern