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› STARTRC Drone Strobe Light User Manual - Model LV-1133912

STARTRC LV-1133912

STARTRC Drone Strobe Light User Manual

Model: LV-1133912

1. INTRODUCTION

The STARTRC Drone Strobe Light is designed to enhance the visibility and safety of your drone during night operations. This compact, rechargeable LED light serves as an anti-collision beacon, helping to meet FAA regulatory requirements for drone flights. It features multiple lighting modes and is compatible with a wide range of drone models.



SUPER BRIGHT LIGHT

include 6pcs high power lamp beads,provide the greatest range light available for a mini strobe

Image 1.1: The STARTRC Drone Strobe Light providing super bright illumination for night flights.

FAA Regulatory Compliance

meet with the FAA 107 rules for anti-collision lights when flying drones at night

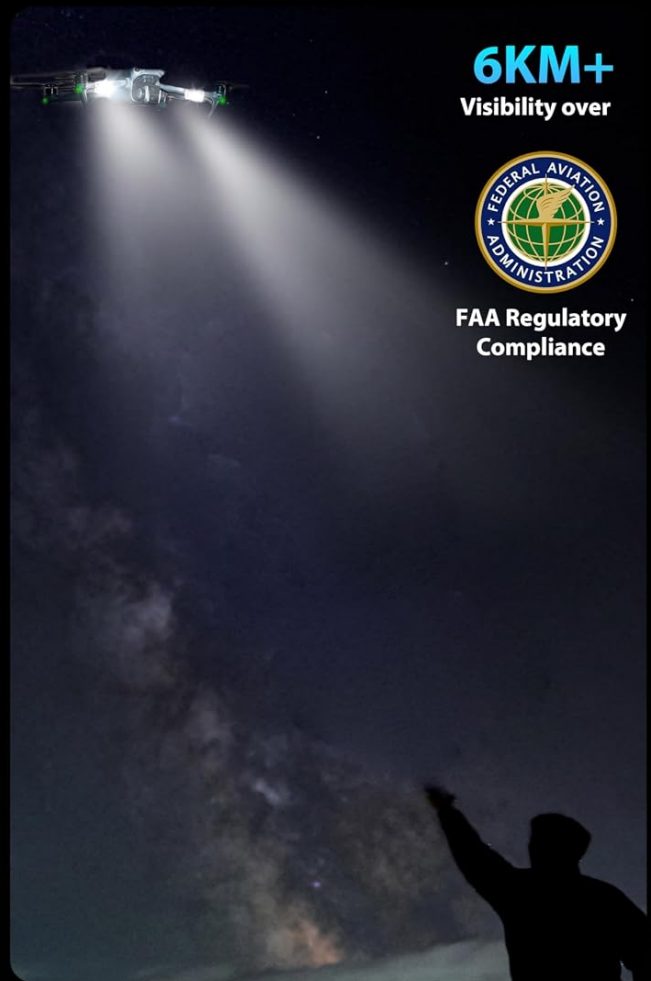


Image 1.2: The strobe light is designed to meet FAA regulatory compliance for anti-collision lights, offering 120 lumens brightness and over 6KM visibility.

2. PRODUCT CONTENTS

Verify that all components are present in your package:

- 1 x Strobe Light
- 1 x USB Type-C Charging Cable
- 2 x 3M Adhesive Pads
- 2 x Velcro Strips
- 2 x Silicone Rubber Rings
- 1 x User Manual

Product List

This is a must-have compact strobe light for improved object warning and identification.

3M adhesive X2 strobe light X1 cable X1 velcro X2 silicone ring X2



Image 2.1: All items included in the STARTRC Drone Strobe Light package.

3. SETUP AND INSTALLATION

The strobe light offers flexible installation options to suit various drone models and preferences.

Installation Methods:

1. **Velcro Attachment:** Apply the Velcro strip to a flat surface on your drone. Attach the corresponding Velcro on the strobe light for easy removal and reattachment.
2. **Rubber Ring Attachment:** Use the silicone rubber rings to secure the strobe light around a drone arm or landing gear. Ensure a snug fit to prevent movement during flight.
3. **3M Adhesive Pad:** For a more permanent attachment, use the 3M adhesive pads. Clean the drone surface thoroughly before applying the adhesive for optimal bond strength.

Choose the method that provides the most secure fit and optimal visibility for your specific drone model.

Easy installation and use

Mini strobe lights using Velcro and Rubber ring and 3M adhesive mounting strobe lights,
You can install the best location according to your drone model



Image 3.1: Various methods for attaching the strobe light to a drone, including Velcro, rubber rings, and 3M adhesive.

4. OPERATING INSTRUCTIONS

The strobe light features a simple operation with multiple lighting modes for different scenarios.

Power On/Off and Mode Selection:

- **Power On:** Press and hold the power button for 2 seconds to turn on the light.
- **Change Mode:** Short press the power button to cycle through the available lighting modes.
- **Power Off:** Press and hold the power button for 2 seconds to turn off the light.

Lighting Modes:

1. **Constant Light:** Provides a steady, continuous light. Color can be switched.
2. **Single-Color Slow Flash:** Flashes once every 1000ms.
3. **Single-Color Fast Flash:** Flashes once every 100ms (faster than slow flash).

4. **Civil Aviation Frequency:** Mimics civil aviation strobe patterns with 3 flashes followed by a 1000ms pause.
5. **Double Flash:** Flashes twice every 2 seconds.
6. **3-Color Cycle Mode:** Alternates between white, red, and green colors.



Image 4.1: Visual representation of the six distinct lighting modes available on the strobe light.

5. CHARGING AND BATTERY INFORMATION

The strobe light is equipped with a built-in rechargeable battery.

- **Battery Capacity:** 250mAh Lithium-polymer.
- **Charging Time:** Approximately 90 minutes for a full charge.
- **Endurance Time:** Up to 300 minutes (5 hours) depending on the selected lighting mode.
- **Charging Interface:** USB Type-C.
- **Charging Sources:** Can be charged via Type-C cable using a power bank, computer USB port, or car charger.

Long time durability

Featuring a built-in 250mAh battery, minimizing battery drain and ensuring prolonged usage during each flight



Type-c charging



Powerbank



Computer



Car charging

250 mAh
Battery capacity

90 min
Charging time

300 minutes
Endurance time



Image 5.1: Details on the strobe light's battery capacity, charging time, endurance, and compatible charging methods.

6. MAINTENANCE

To ensure the longevity and optimal performance of your STARTRC Drone Strobe Light, follow these maintenance guidelines:

- **Cleaning:** Wipe the light with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials that could damage the polycarbonate casing.
- **Storage:** Store the strobe light in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For extended storage, charge the battery to approximately 50% every three months to maintain battery health.
- **Inspection:** Periodically check the attachment points (Velcro, rubber rings, adhesive) for wear and tear, and replace if necessary to ensure secure mounting.

7. TROUBLESHOOTING

If you encounter issues with your strobe light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted.	Charge the strobe light using the provided USB Type-C cable.
Short battery life.	Frequent use of high-brightness modes; aging battery.	Ensure the light is fully charged. Consider using lower brightness modes if available or replacing the unit if battery degradation is significant.
Light detaches from drone during flight.	Improper installation; worn adhesive/Velcro/rubber rings.	Re-secure the light using a more robust method or replace worn attachment components. Ensure surfaces are clean before applying adhesive.

8. SPECIFICATIONS

Feature	Detail
Model Number	LV-1133912
Brand	STARTRC
Dimensions (L x W x H)	0.03 x 0.03 x 0.03 cm
Weight	4.54 grams
Color	White
Material	Nylon, Polycarbonate (PC)
Light Source Type	LED (Light Emitting Diode)
Max Light Output	120 Lumens
Wattage	18 Watts
Battery Type	Rechargeable Lithium-polymer
Battery Included	No (refers to separate purchase, but unit has built-in battery)
Features	Flashing, 360° Visibility, Rechargeable

9. WARRANTY AND SUPPORT

STARTRC products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries regarding your drone strobe light, please refer to the contact information provided on the product packaging or the official STARTRC website. Keep your purchase receipt as proof of purchase for warranty claims.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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