

# ***Lifebuoy***

## **User Manual**



# **SwellPro**

Visit [support.swellpro.com](https://support.swellpro.com) for the latest version of this manual and firmware updates for your drone and accessories.

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## Thank You

Thank you for purchasing the SplashDrone 4. We have designed and manufactured the SplashDrone 4 to the highest quality standards.

Like any marine equipment, long-life and trouble-free operation rely on correct care and maintenance. With proper care and maintenance, you should enjoy your drone for many years. After flying in salt or contaminated water, always thoroughly rinse your SplashDrone 4 in freshwater immediately after use or before salt and sediment can dry inside moving parts.

It is important to familiarize yourself with the features of this unique drone by carefully studying this manual and particularly the priority sections indicated in the Table of Contents.

Visit [www.swellpro.com](http://www.swellpro.com) for the latest manuals, software, and tips. Refer to the Version Information section at the end of this manual, which details additions and corrections to this manual.

## Using this Manual

This document is designed to be printed or viewed on a computer or mobile device. If used electronically, you can search directly for terms like “Charging” to find references. Additionally, you can click on any topic in the Table of Contents to navigate directly to that topic.

## FAQ

The user guide is the best companion while using the product. For the specific problem using the product, the FAQ can be another great resource for you to look at. Go to the SwellPro website, look for support >product support > the product > FAQ to find the FAQ page. <https://support.swellpro.com/>



## Video Tutorials

Visit and subscribe to the SwellPro YouTube channel for tutorial videos and product information. Scan this QR code with your camera phone to go to our channel.



## Social Media

Join our SwellPro Facebook page to meet other people who share their adventures with SwellPro. [www.facebook.com/SwellPro/](https://www.facebook.com/SwellPro/)



## Register Product Warranty

Please register your product as soon as possible to ensure warranty coverage. <https://support.swellpro.com/>

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# Precaution

## **Check the airbag:**

Make sure that the airbag is free of cracks or holes. If these defects are found, replace the new lifebuoy.

## **Check the automatic inflator**

Check the Automatic inflator section down below to see the operation instruction.

## **Check the gas cylinder**

When the automatic inflator is triggered, the gas cylinder inflates the airbag. Before use, check that the installed gas cylinder is of the correct size and free of breakage. When checking the cylinder, unscrew the gas cylinder and observe the screw surface. If damage to the screw plane is found, the gas cylinder needs to be replaced. If the gas cylinder is in good condition, install it correctly on the automatic inflator.

- 1) When installing the gas cylinder, if the trigger is not installed correctly, the automatic inflator will not be able to inflate the lifebuoy properly.
- 2) Gas cylinders can only be used once, replace cylinders and tablets in a timely manner after use.
- 3) The protective coating on the exterior of the gas cylinder may corrode under wet conditions or after a period of use, and if so, replace the gas cylinder in a timely manner.

# Product Overview

The LB1 is easy to use and carry. It can be mounted directly to a drone or used independently. Suitable for maritime rescue, shipping management, flood rescue, and other types of water-related rescues.

## Product Diagram



[1] Strap

[2] Automatic Inflator

[3] Arm Strap

[4] Tablet

[5] Handle

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💡 There is a 4-meter-long string inside the package. Use it to attach the strap to the payload release module on the aircraft.

The gas cylinder is not included in the package, please purchase it elsewhere.

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# How to Use

## Installation

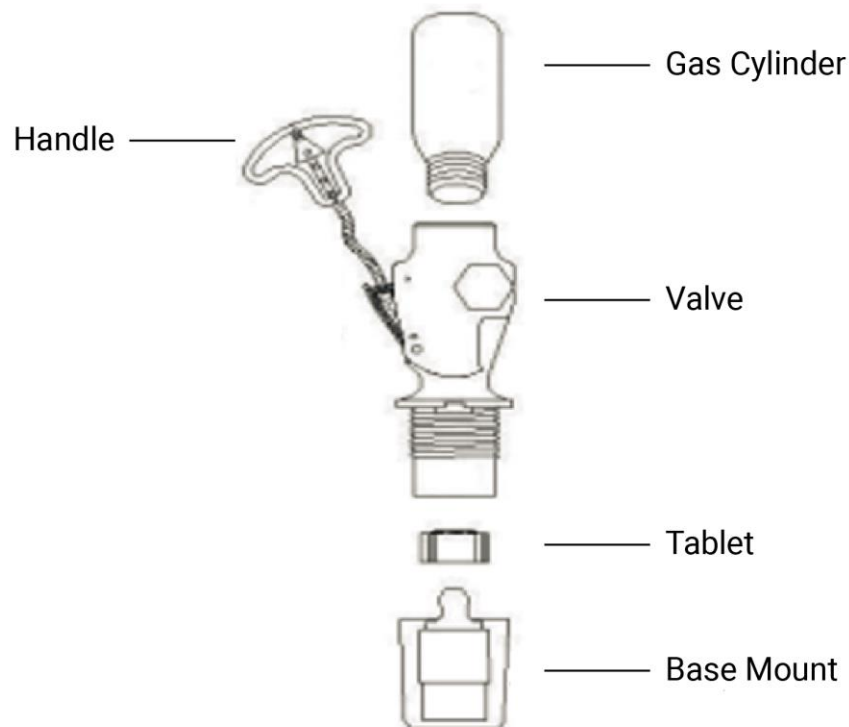
### Install to a drone

Simply attach the strap to the payload release module on the aircraft using the 4-meter-long string. It allows the operator to quickly launch the Lifebuoy to the target location.

### Mount to the arm

Lifebuoy can be attached to the arm using the arm strap. It can be used as a safety guard for the people who are working under the water condition.

## Automatic Inflator



**How to install and use:**



Unscrew the spring base, place the tablets into the valve body, tighten the spring base, and screw the gas cylinder clockwise into the valve body. Make sure the installation process is free of water or any wet conditions.

**Automatic inflating:**

After the lifebuoy is fully submerged, the automatic inflator quickly starts to inflate within 5 seconds.

**Manual inflating:**

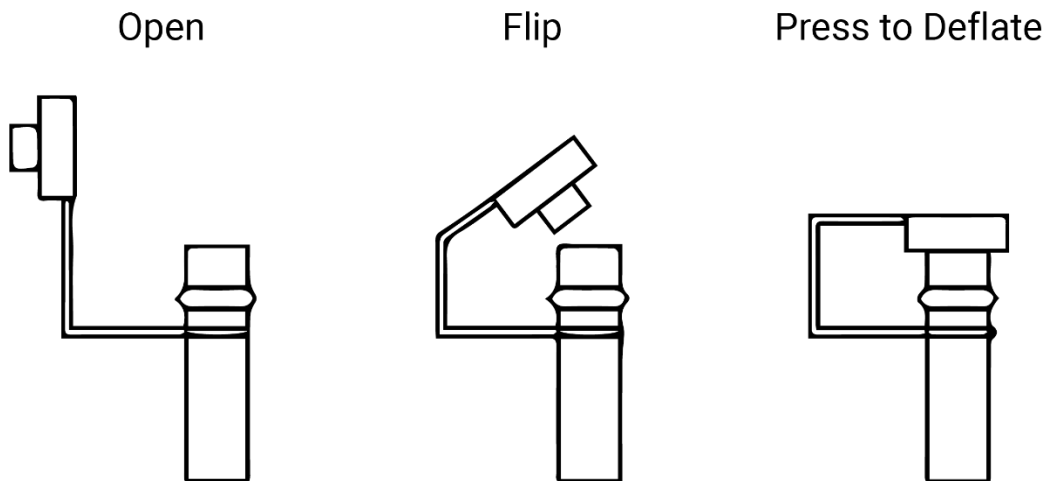
Grasp and pull the handle to start manual inflating, if for any reason there is not enough air in the airbag, you can blow air into the airbag through the valve on the airbag.

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⚠ Automatic inflator must be triggered before you can blow the air through the valve. The gas cylinder is not included in the package, please purchase it elsewhere. The tablet can only be used once. Replace it after being used.

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## Deflate the Lifebuoy



Press the tip of the cap into the valve to deflate the airbag. While pressing the valve, gently press the airbag with your hand to remove the gas from the airbag. The cap should be restored to its original state after been use.

## Fold the Lifebuoy



### Steps:

- |   |   |
|---|---|
| [1] Unfold to place the lifebuoy as shown | [4] Fold up the lifebuoy                        |
| [2] Fold the lifebuoy in half             | [5] Fasten the vertical magic tap               |
| [3] Wraps the inflator side               | [6] Fasten the magic taps on the top and bottom |

## Maintenance

### Lifespan

The lifespan of the automatic inflatable lifebuoy depends on how it is used and maintained. Store the lifebuoy in a cool, dry environment. Long-term exposure of lifebuoys to high temperatures or humidity shortens its lifespan.

### Maintenance and cleaning

**Clean** - It is recommended to clean with mild detergent and rinse it with fresh water after each use.

**Airdry** - If the lifebuoy is wet, hang it on a coated hanger and airdry it thoroughly. Do not place it directly under the sun and do not use any heat source while drying.

⚠️No machine wash ⚠️No dry clean ⚠️No bleaching

## **Inspect**

- 1) Leak test - This test should be performed every two months. Inflate the lifebuoy using the air valve and place it for 12 hours. If any changes in shape observed, it needs to be repaired.
- 2) Air valve testing - remove the cap. After the lifebuoy is inflated, press the tip of the cap into the valve, the valve should be easy to press down and return to its original state after release.

## **Store**

1. Store the lifebuoy in a cool and dry environment.
2. Do not place the triggering tablets in environments with excessive humidity and temperature for too long.
3. Triggering tablets are fragile. Any extrusion should be prevented during transportation.
4. Triggering tablets must not be stored for more than 3 years and must be replaced every 12 months during operation.

# Appendix

## Specification

### Lifebuoy (LB1)

<b>Buoyancy:</b>	73 N
<b>Inflation System:</b>	Automatic Inflator
<b>Inflation reaction time:</b>	< 5 seconds
<b>Gas cylinders:</b>	16g 3/8" 24-tooth thread
<b>Airbag capacity:</b>	7.5 L
<b>Lifespan:</b>	2 years

## Version Information

SwellPro products are constantly improving, so as the product user guides. It is recommended to visit [www.swellpro.com](http://www.swellpro.com) to check and download the latest user guide.

### Version

- 1.0 Lifebuoy User Manual 1.0 Edition
- 1.1 Lifebuoy User Manual 1.1 Edition
  - Add 4-meter-long string in **Product Diagram**.
  - Revise the diagram on **Automatic Inflator, Deflate the Lifebuoy**.
  - Revise and reorganized the entire manual.