

Lifebuoy

Manual



SwellPro

Visit www.swellpro.com for the latest version of this manual.

V1.0 - 2021.4

Thank you

Thank you for buying SwellPro products.

We have designed and manufactured the product to the highest quality standards.

Like other surface equipment, ensuring long-term trouble-free use of the product requires proper care and maintenance of the product. With proper care and maintenance, you will enjoy the product experience for years to come. After use in salt or contaminated water, be sure to rinse the appliance thoroughly with fresh water before salt and sediments dry out inside the appliance.

For the latest user manual, visit www.swellpro.com. Refer to the Version Information section at the end of this manual, which details the additions and corrections to this manual.

The symbol description



Read Before Use



Warning



Important



Hints and Tips

Video Tutorials

Visit and subscribe to the SwellPro YouTube channel for instructional videos and product information.



Scan this QR code with your camera phone to go to our channel.

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Product Introduction

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] Triggering Tablet

[5] Handle

Installation

Install to a drone

Hang the strap on the payload release module on the drone. It allows the operator to quickly launch the SwellPro to where it needs it.

Mount to the arm

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

Precautions

1. Check the airbag:

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

2. Check the automatic inflator

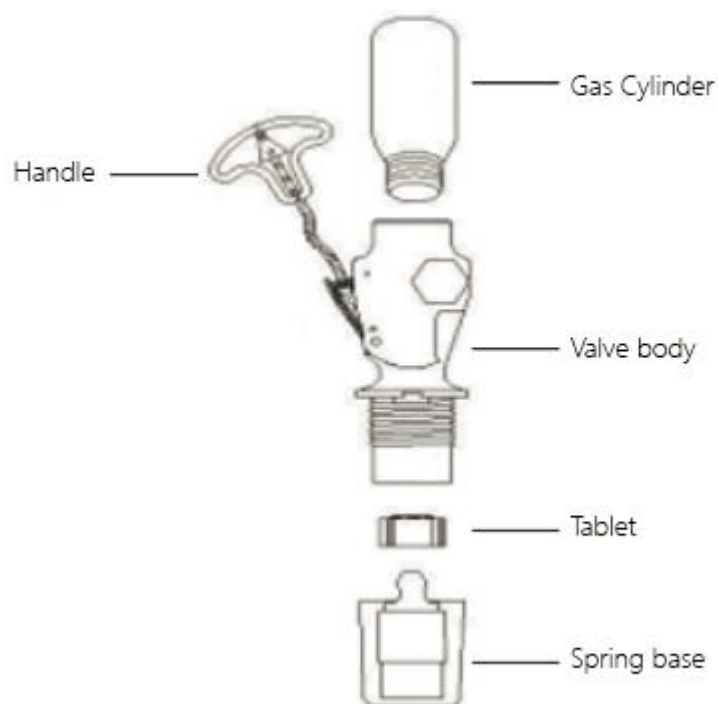
Check the Automatic inflator section down below to see the operation instruction.

3. 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.

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:

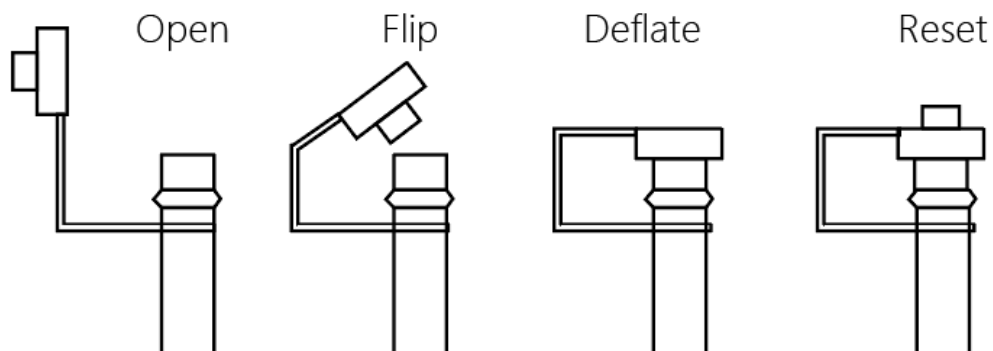
After the lifebuoy is fully submerged, the automatic inflator quickly starts to inflate within 5 seconds.

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.

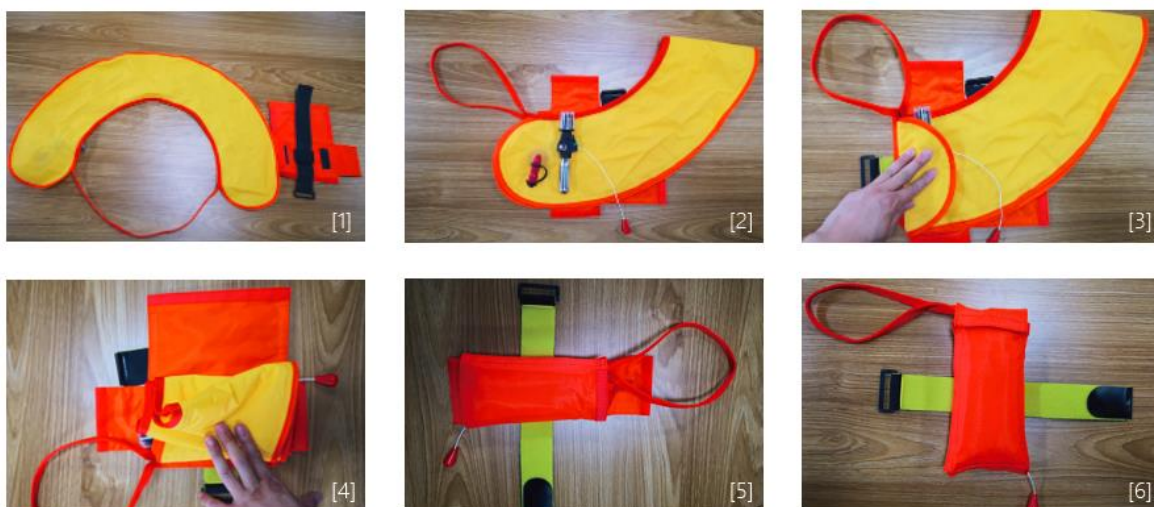
Note: Automatic inflator must be triggered before you can blow the air through the valve.

Deflate the Life Buoy



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 Life Buoy



Steps:

[1] Unfold to place the lifebuoy as shown

[2] Fold the lifebuoy in half

[3] Wraps the inflator side

[4] Fold up the lifebuoy

[5] Fasten the vertical magic tap

[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.

Specifications

LB1	
Buoyancy:	> 8KG
Inflation System:	Automatic Inflator
Inflation reaction time:	< 5 seconds
Gas cylinders:	16g 3/8" 24-tooth thread
Airbag capacity:	7.5 L
Lifespan:	2 years

Version information

SwellPro products will continue to improve, please follow the updated version information below.

Version

