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## GOYOJO TL-HXJXL

# GOYOJO Diving Ventilator User Manual

MODEL: TL-HXJXL

## 1. Product Overview

The GOYOJO Diving Ventilator is a portable and rechargeable surface-supplied air dive system designed to enhance your underwater experience. It provides a powerful and continuous air supply, allowing dives up to 29.5 ft (9 m) without the need for heavy scuba cylinders. Featuring a waterproof and noise-minimizing design, this system ensures safe and enjoyable dives for various underwater activities.



Figure 1: Complete GOYOJO Diving Ventilator System.

## 2. Important Safety Information

Always prioritize safety when using diving equipment. Read and understand all instructions before operation.

- **Maximum Depth:** Do not exceed the maximum recommended diving depth of 29.5 ft (9 m).
- **Waterproof Integrity:** Ensure all plugs and connections are securely tightened before entering water to maintain the system's waterproof integrity.
- **Battery Safety:** Do not disassemble, puncture, or expose the battery to extreme temperatures. Charge only with the provided charger.
- **Anti-Rollover Design:** The system features an anti-rollover buoyancy circle. If the ventilator rolls over 90 degrees, it will automatically stop air supply. It will resume once returned to the correct position.
- **Never Dive Alone:** Always dive with a buddy and ensure someone on the surface is aware of your dive plan.
- **Health and Fitness:** Ensure you are in good physical condition and have no medical contraindications for diving.



Figure 2: The ventilator's free-floating and anti-rollover design ensures stability on the water surface.

### 3. Package Contents

Verify that all items listed below are present in your package:

- Diving Ventilator Unit
- Telescopic Trachea (Air Hose)
- Activated Carbon Filter
- Shoulder Bag (Traveling Backpack)

- Power Charger
- Buoyancy Circle
- Secondary Respirator (Regulator)
- User Manual (this document)



Figure 3: Included components of the SDIVEOXY SD-520 system.

## 4. Setup Instructions

Follow these steps to assemble your diving ventilator system:

1. **Attach Ventilator to Buoyancy Circle:** Place the main ventilator unit into the center of the buoyancy circle and secure it using the quick-release buckles.
2. **Connect Air Hose to Backpack:** Connect one end of the telescopic trachea (air hose) to the air supply port on the ventilator unit.
3. **Connect Regulator:** Attach the secondary respirator (regulator) to the other end of the telescopic trachea.
4. **Filter Installation:** Ensure the activated carbon filter is properly installed in its designated slot on the ventilator unit.

Video 1: This short video demonstrates the basic teaching and installation steps for the diving ventilator, including attaching the unit to the buoyancy circle and connecting the air supply pipe.

You can take it on the plane after reporting

# Removable battery

Easy to replace · Easily Increase diving time

## One battery works 60-70 minute

Battery capacity less than 160Wh can be brought on board the aircraft after reporting

## Fully charged in 2 hours

**Attention:**  
There is a risk of fire and burns,do not open it.  
If continuous protrusions occur,discontinue  
Follow manufacturer's instructions  
The battery pack is only waterproof when paired  
Store in a cool and dry place  
Use only with approved chargers  
Do not use or charge at high temperatures  
Do not disassemble or modify the battery  
Do not keep the battery close to flammable sources  
Do not leave the battery unattended while charging

Diving Scuba Tanks  
Lithium ion rechargeable battery pack  
Used for diving system  
MADE IN CHINA  
Model:SD-520 Voltage:12V  
Usage time:60-70 minutes  
Capacity:12600mah/151WH  
Dongguan snorkelling Whale Outdoor Sports Co.,Ltd

MSDS CE

Figure 4: All components are designed for easy and quick assembly.

## 5. Operating Instructions

Before each dive, perform the following checks and procedures:

### Pre-Dive Checklist:

- Ensure the battery is fully charged.
- Verify all connections (hose to ventilator, regulator to hose) are secure.
- Check the activated carbon filter for cleanliness and proper installation.
- Inspect the buoyancy circle for any damage or leaks.
- Confirm the ventilator unit is firmly attached to the buoyancy circle.

### **Operation:**

1. Place the assembled ventilator system on the water surface.
2. Turn on the ventilator unit.
3. Enter the water and begin your dive, breathing normally through the regulator.
4. Monitor your dive time; the system provides 60-70 minutes of continuous operation.
5. Upon surfacing, turn off the ventilator unit.

# Can get on the plane Travel easily

*You can take it on the plane after reporting*



1. According to the "Battery Management Air Transport Specifications", portable electronic devices containing lithium-ion batteries with a rated energy of 100Wh~160Wh can be carried on board with the approval of the air operator. The number of spare batteries for the equipment that each person can carry is no more than 2. The battery energy of the diving ventilator is 151Wh, which meets the transportation standards and is within the scope of being portable on board.

2. Each airline has different implementation standards. In order to ensure that you can successfully board the plane with your diving respirator, please call the airline for consultation and confirmation before traveling to avoid delaying your trip.

3. Before boarding, go to the counter to apply for boarding certificate according to the airline's requirements.

4. Diving ventilators can be checked in when boarding, but the battery must be carried with you. If you carry the machine with the battery, please make sure the device is turned off, or place the machine and battery separately.

Figure 5: The ventilator unit floats on the surface, supplying air to the diver below.

## 6. Battery Charging

The GOYOJO Diving Ventilator is equipped with a lithium battery for extended use.

- **Charging Time:** A full charge typically takes 3-4 hours.
- **Power Source:** Use the provided power charger and plug it into an AC 100V-240V power source.
- **Charging Indicator:** Refer to the charger's indicator light for charging status (e.g., red for charging, green for fully charged).
- **Safety:** Always ensure the charging port is dry before connecting the charger. Do not leave the battery unattended while charging.



Figure 6: The removable battery pack is easy to replace and charge.

## 7. Care and Maintenance

Proper maintenance ensures the longevity and performance of your diving ventilator.

- **Rinsing:** After each use in saltwater, thoroughly rinse the entire system with fresh water.
- **Drying:** Allow all components to air dry completely in a shaded, well-ventilated area before storage.
- **Filter Replacement:** Regularly inspect and replace the activated carbon filter as needed to ensure optimal air quality.
- **Hose and Regulator Inspection:** Periodically check the telescopic trachea and secondary respirator for any signs of wear, cracks, or damage. Replace if necessary.
- **External Motor:** The external motor is designed for fast heat dissipation and low noise. Keep the motor area clean and free from debris.

In order to ensure the safety of divers, when the ventilator rolls over 90°, the machine will automatically stop. After returning to the right position, it will automatically start the air supply to ensure that no water will be pumped into the machine. This will not only ensure that the machine is not damaged but also ensure that the diver can breathe normally.

*The whole machine is waterproof*  
**Free Floating**

*Anti-rollover buoyancy circle design,  
no fear of being overturned by waves*



## 8. Storage and Transport

Store your diving ventilator properly to protect it from damage and ensure readiness for future use.

- **Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided shoulder bag for organized storage.
- **Air Travel with Battery:** The battery energy of the diving ventilator is 151Wh. According to "Battery Management Air Transport Specifications," portable electronic devices containing lithium-ion batteries with a rated energy of 100Wh-160Wh can be carried on board with airline approval.
- **Spare Batteries:** The number of spare batteries each person can carry is typically limited to two.
- **Airline Consultation:** Different airlines may have varying implementation standards. Always contact your airline for consultation and confirmation before traveling to avoid delays.
- **Boarding Certificate:** Before boarding, you may need to apply for a boarding certificate at the counter, as per airline requirements.
- **Battery Separation:** If checking the diving ventilator, the battery must be carried with you in your carry-on luggage. Ensure the device is turned off, or place the machine and battery separately.

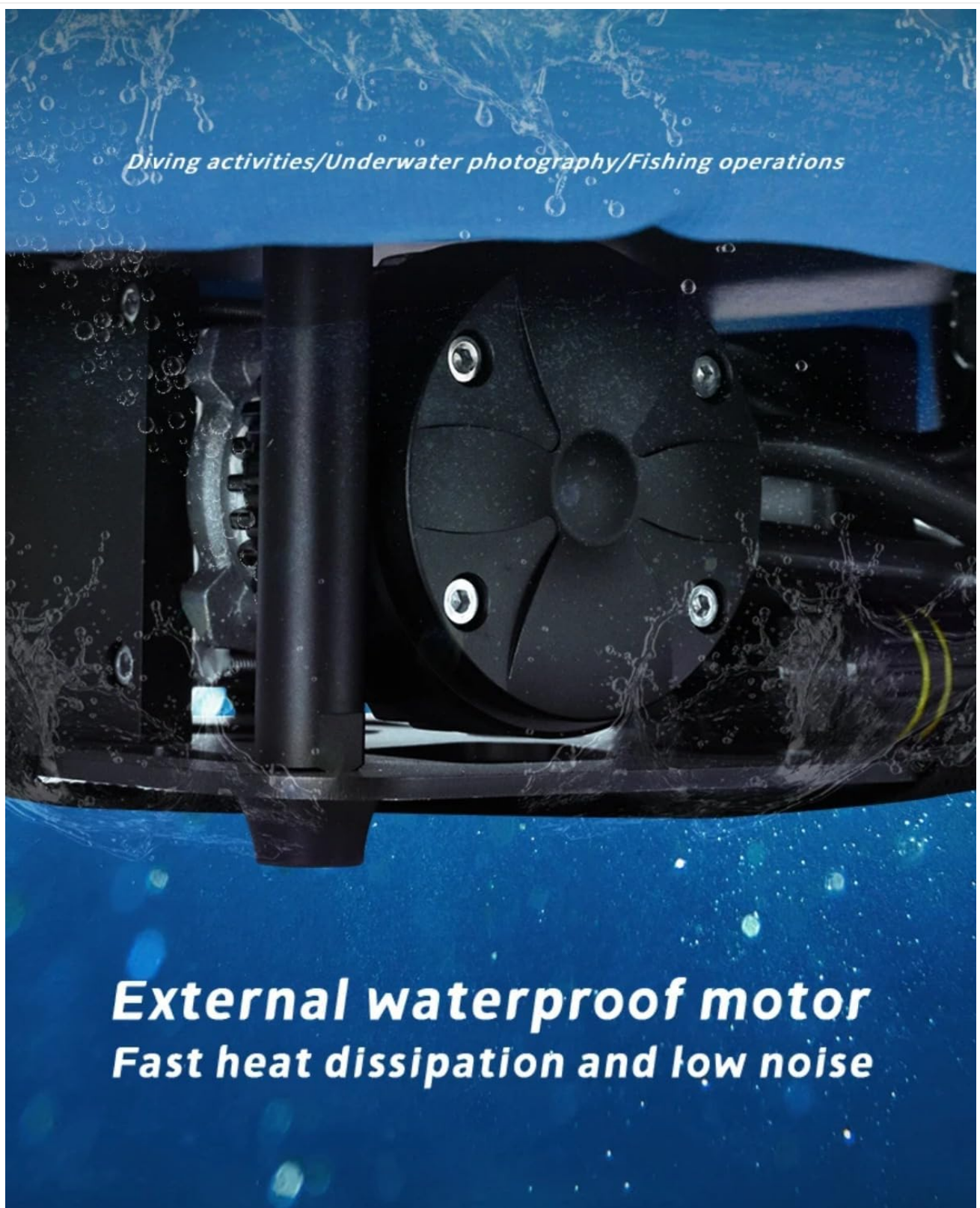


Figure 8: The compact design allows for convenient storage and transport in a backpack or car trunk.

## 9. Troubleshooting

Refer to this table for common issues and their solutions:

Problem	Possible Cause	Solution
No air supply	Low battery; Loose connection; Filter clogged; Unit overturned	Charge battery; Check and secure all connections; Replace filter; Return unit to upright position
Reduced air flow	Clogged filter; Kinked hose	Replace activated carbon filter; Straighten air hose
Unit not turning on	Battery not charged; Power button issue	Ensure battery is fully charged and properly inserted; Contact customer support if issue persists
Unusual noise from unit	Debris in motor area; Internal malfunction	Inspect and clean motor area; If noise persists, discontinue use and contact customer support

## 10. Technical Specifications

Feature	Specification
Model Name	Diving Ventilator
Model Number	TL-HXJXL
Brand	GOYOJO
Material	ABS
Max Diving Depth	29.5 ft (9 m)
Air Output	52 liters per minute
Battery Life	60-70 minutes
Charging Time	3-4 hours
Battery Energy	151Wh
Item Package Dimensions	10.63 x 9.06 x 8.27 inches
Package Weight	20 Pounds

## 11. Warranty and Customer Support

GOYOJO is committed to providing high-quality products and excellent customer service.

Your Diving Ventilator comes with lifelong customer service and 24-hour online support. If you have any questions, concerns, or require assistance with your product, please do not hesitate to reach out to us.

For more information or to contact support, please visit the official GOYOJO Store on Amazon.[GOYOJO Amazon Store](#)