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> [GOYOJO Z270BCD 2.7 Scuba Diving Ventilator System User Manual](#)

GOYOJO Z270BCD 2.7

GOYOJO Scuba Diving Ventilator System

MODEL: Z270BCD 2.7

1. Important Safety Information

Read all instructions and warnings carefully before using the GOYOJO Scuba Diving Ventilator System. Failure to follow these instructions may result in serious injury or death. This device is intended for recreational diving and snorkeling within specified limits.

- **Training:** Users should be trained and certified in scuba diving or snorkeling techniques appropriate for the intended depth and environment.
- **Depth Limits:** Do not exceed the maximum recommended diving depth of 10 meters (33 feet) for this model. Deeper dives can lead to decompression sickness and other serious health risks.
- **Pre-Dive Checks:** Always perform a thorough pre-dive check of all equipment components, connections, and battery levels.
- **Buddy System:** Always dive with a buddy. Never dive alone.
- **Health:** Consult a physician before diving if you have any medical conditions.
- **Emergency Procedures:** Be familiar with emergency ascent procedures and how to handle equipment malfunctions underwater.
- **Battery Safety:** Use only the provided charger and avoid exposing the battery to extreme temperatures or physical damage.



Figure 1: Recommended Diving Depth Limits. Novice snorkelers can dive to 2-3 meters, while experienced divers can reach 7-10 meters.

2. Product Overview and Components

The GOYOJO Scuba Diving Ventilator System is a compact, tankless underwater breathing device designed to supply air from the surface. It consists of a floating air compressor unit, a breathing hose, a regulator, and a Buoyancy Control Device (BCD) vest.

Main Components:

- **Ventilator Unit:** The floating surface unit containing the air pump, battery, and controls.
- **Breathing Hose:** Connects the ventilator unit to the regulator. This model includes a 10-meter hose.
- **Breathing Regulator:** Delivers air to the diver.
- **BCD Buoyancy Vest:** Provides buoyancy control underwater.
- **Activated Carbon Filter:** Filters the air before it reaches the diver.



Figure 2: System Components. Key parts include the ventilator unit, hose, regulator, and BCD.



Figure 3: Ventilator Unit Details. Features include a waterproof switch, battery indicator, and soft handle for portability.

3. Setup and Assembly

Follow these steps to prepare your GOYOJO Scuba Diving Ventilator System for use.

3.1 Charging the Battery

1. Ensure the ventilator unit is dry before charging.
2. Connect the charger to the charging port on the ventilator unit.
3. Plug the charger into a standard power outlet.
4. The battery indicator will show charging progress. A full charge for the 40000mAh battery takes approximately 1.5 hours to reach 80% capacity, providing up to 2.7 hours of operation.
5. Disconnect the charger once fully charged or before use.

3.2 Assembling the System

1. **Connect Hose:** Securely attach one end of the breathing hose to the air outlet on the ventilator unit.

2. **Connect Regulator:** Attach the other end of the breathing hose to the breathing regulator. Ensure all connections are tight to prevent air leaks.
3. **Attach BCD:** If using the BCD vest, connect the regulator and hose assembly to the BCD's air inlet. Adjust the BCD straps for a comfortable and secure fit.
4. **Filter Check:** Verify that the activated carbon filter is correctly installed in the air line.

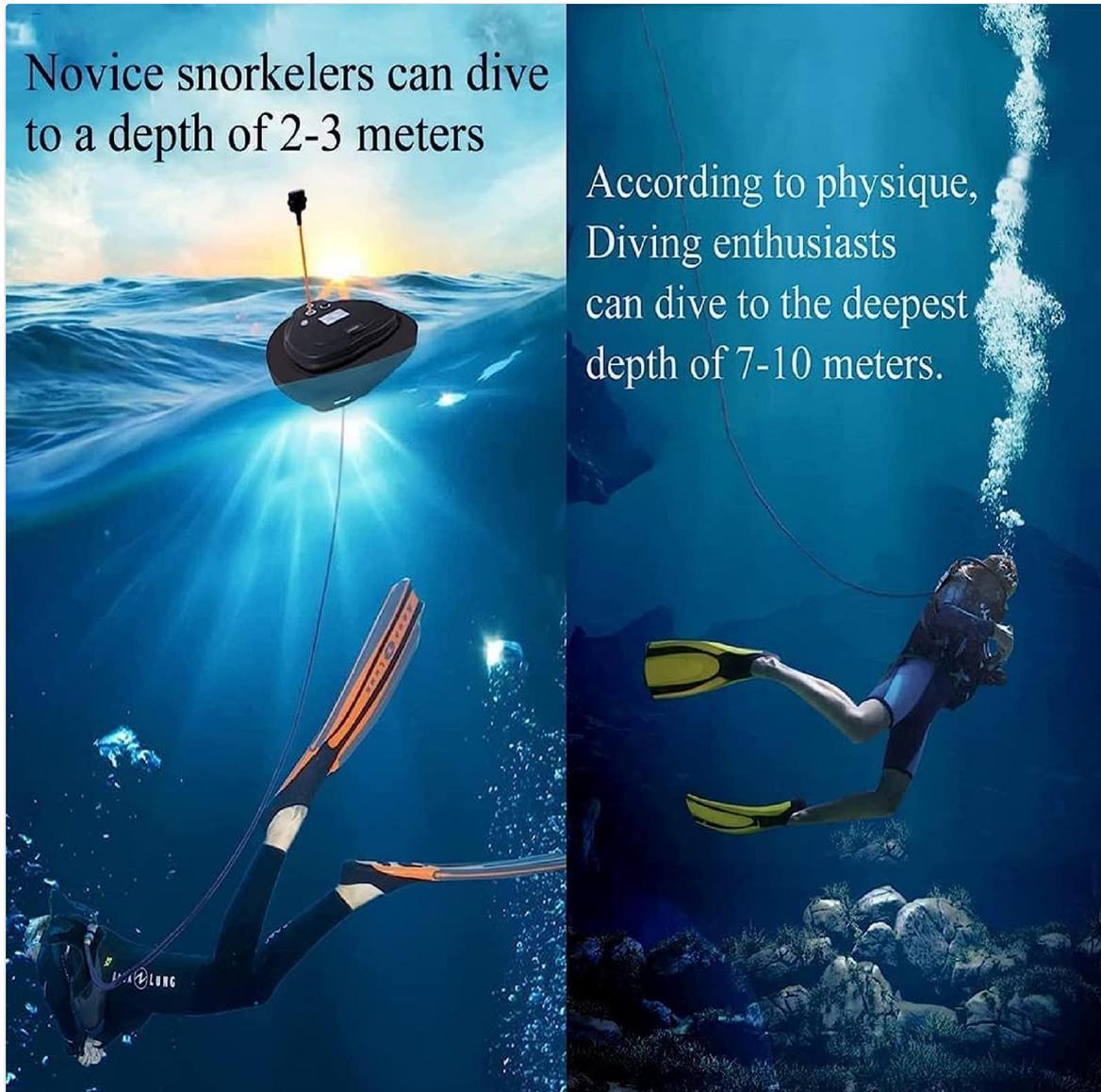


Figure 4: Fully Assembled System. The ventilator unit, hose, BCD, and regulator are connected.

4. Operation

This section details how to operate your GOYOJO Scuba Diving Ventilator System safely and effectively.

4.1 Pre-Dive Checks

- Confirm the battery is fully charged.
- Inspect all hose connections for security and integrity.
- Check the regulator mouthpiece for any obstructions or damage.
- Ensure the ventilator unit's air intake is clear and unobstructed.

4.2 Activating the System

1. Place the ventilator unit on the water surface. It is designed to float.
2. Press the waterproof power switch on the ventilator unit to turn it on. The power display will illuminate.
3. Listen for the sound of the air pump activating.

4.3 Underwater Breathing

- Enter the water with the regulator in your mouth.
- Breathe normally and calmly. The system will continuously supply air.
- Monitor your depth and remaining battery life via the indicator on the unit (if visible from the surface or by a buddy).

4.4 Buoyancy Control with BCD

- The BCD vest allows for individual buoyancy adjustment.
- Use the inflation valve to add air to the BCD for positive buoyancy (to float).
- Use the deflate valve to release air from the BCD for negative buoyancy (to sink).
- Practice buoyancy control in shallow water before attempting deeper dives.

4.5 Post-Dive

- Upon surfacing, turn off the ventilator unit using the waterproof power switch.
- Rinse all components with fresh water as soon as possible.

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Video 1: Scuba Diving Ventilator System in Use. This video demonstrates the practical application of the GOYOJO diving ventilator system underwater.

5. Maintenance and Storage

Proper maintenance ensures the longevity and safe operation of your diving system.

5.1 Cleaning

- After each use, thoroughly rinse all components (ventilator unit, hose, regulator, BCD) with fresh, clean water.
- Pay special attention to the regulator mouthpiece and hose interior.
- Allow all parts to air dry completely in a shaded, well-ventilated area before storage.
- Do not use harsh chemicals or abrasive cleaners.

5.2 Battery Care

- Charge the battery fully before long-term storage.
- Recharge the battery every 3-6 months during storage to maintain battery health.
- Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

5.3 Filter Replacement

- The activated carbon filter should be inspected regularly and replaced as needed, or after approximately 20 hours of use, to ensure optimal air quality.
- Refer to the filter replacement instructions provided with replacement filters.

5.4 Storage

- Store the disassembled or carefully coiled system in its original packaging or a protective case.
- Keep out of reach of children and pets.

6. Troubleshooting

This section addresses common issues you might encounter with your GOYOJO Scuba Diving Ventilator System.

Problem	Possible Cause	Solution
No air from regulator	Ventilator unit not turned on; Low battery; Hose disconnected or kinked; Regulator malfunction.	Ensure unit is on; Charge battery; Check hose connections and for kinks; Inspect regulator for damage.
Unit not floating correctly	Improper placement; Damage to flotation device.	Ensure unit is placed flat on the water surface; Inspect for damage and contact support if necessary.
Short operating time	Battery not fully charged; Aging battery.	Ensure battery is fully charged before use; Consider battery replacement if performance degrades significantly.
Water in air inlet	Unit submerged or splashed excessively.	Ensure the unit remains floating on the surface; The unit is designed to prevent water ingress, but excessive submersion should be avoided.

7. Technical Specifications

The following specifications apply to the GOYOJO Scuba Diving Ventilator System, Model Z270BCD 2.7 (Ordinary Model).

Feature	Specification
Brand	GOYOJO
Model Number	Z270BCD 2.7
Maximum Working Time	2.7 hours
Battery Capacity	40000mAh
Rated Voltage	DC 11.1V

Feature	Specification
Maximum Dive Depth	10 meters
Product Weight	6.5 kg (14.33 lbs)
Rated Power	180W
Air Supply	52 liters/minute
Dimensions (L x W x H)	40 x 40 x 15 cm (16.53 x 16.53 x 5.9 inches)



Figure 5: Product Parameter Table. Specifications for the Ordinary (Q1) and Enhanced (Q2) models.

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or contact GOYOJO customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

