

HAGUL EZ

USER MANUAL

Please carefully read this manual before
using the product and store the manual
for later reference

V10



HAGUL

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Before using this device, please fully read this user's manual and any other included warnings



Description of symbols:

 Warning

 Notice

★ Annotation (detailed explanation and description)

Product Overview

Introduction

The Hagul EZ underwater scooter is an carefully-engineered swimming aid designed to allow both children and adults to find joy in the water. Designed with a long battery life of 50 minutes as well as 2 different speed levels and multiple safety protections, it allows the user to swim effortlessly in the water. This device is user-friendly, able to be easily controlled by first-time users to help you enjoy the water to your hearts content.

Highlights

- **User-friendly**

This device can be effortlessly controlled by the user, and is easily started and stopped through the convenient pressing and release of the activation button.

- **Powerful motor with 2 handy speed options**

Users are provided with two different speed options allowing them to freely control motor speed and achieve satisfactory results in different aquatic environments and activities.

- **Extended 50 minute battery life**

With its built-in lithium-ion battery, this device features an impressive battery life, allowing users to enjoy their time in the water as long as possible.

- **Multiple safety protections**

This device is designed with patented waterproofing, power indicators, and an intelligent built-in battery management chip, and has been subjected to more than 60 rigorous tests to protect you every time you take your device into the water.

Packing List

Before using this product, please carefully check whether all items listed are present in the package. If any items are missing, please contact Subblue or a locally licensed agent.



Underwater Scooter×1



Adapter & Power Cord×1



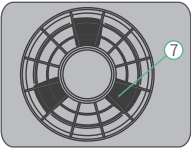
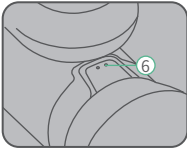
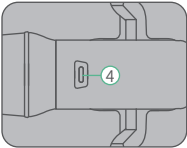
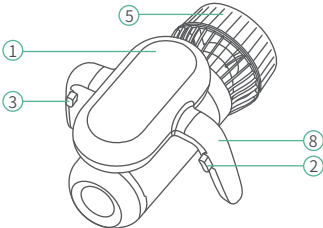
Manual×3



- Please check whether the device or its components have been damaged in any way.
- If any external defects are present in terms of scratches, cracks, stains, broken seals on the protective cover, broken propeller blades, etc. which may seriously affect device operation, please avoid using the scooter and contact Subblue or a local agent as soon as possible.

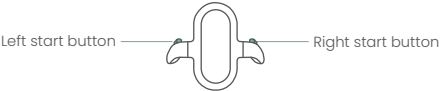
Components

- 1. Buoyancy chamber
- 2. Left start button
- 3. Right start button
- 4. Charging port
- 5. Propeller
- 6. Indicator light
- 7. Protective cover
- 8. Handle



About This Device

Operation Instructions

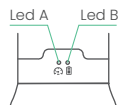


Command	Execution method	Illustration	Note
Power on	Press and hold the left start button for 2 seconds		After powering on, the device will activate at high speed by default
Two-hand activation	Press and hold the left and right start buttons with either hand simultaneously		Release either start button to stop the scooter
Switch speed	Press and hold the left start button, then double-press the right start button within one second to switch speeds		
Power off	The scooter will be automatically powered off if left idle for 10 minutes		The default speed status will not be saved after the scooter has been powered off

• Before using the scooter, you should familiarize yourself with its use and performance in an absolutely safe aquatic environment to fully master its basic operations.

Reading the Indicator Lights

The Hagul EZ is designed with LED indicators to track device conditions and battery power levels, and the meanings of each indicator setting are described below:



☐ This means that the LED indicator flashes steadily

○ This means that the LED indicator is steadily lit

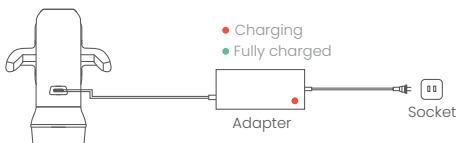
● This means that the LED indicator is off

Ⓐ Ⓑ	Both LED indicators are steadily on	Powered on	
Ⓐ Ⓑ	All LED indicators are off	Powered off	
Ⓐ Ⓑ	LED A shows the speed level	Running	LED A: High speed: Red Low speed: Green
Ⓐ Ⓑ	LED B represents the power level	Running	LED B: Green: power $\geq 70\%$ Solid red: $70\% > \text{Power} \geq 30\%$ Flashing red: $30\% > \text{Power} \geq 0\%$
Ⓐ Ⓑ	Both LED indicators are flashing red slowly	Will stop running when the power is low	Flashes 2 times per second
Ⓐ Ⓑ	Both LED indicators are flashing rapidly in red	Error alert	Flashes 10 times per second
Ⓐ Ⓑ	The two LED lights flash alternately	Charging indication	Connect to the power supply, and the two LED lights flash alternately for 10s before turning off. The adapter indicator remains on.

- 💡 • The color of the indicator light will change relative to power levels. Keep a close watch on the change in battery level and recharge them as needed.
- If any error alert is shown by the indicator lights, please stop using the device and contact Subblue's after-sales service department or a designated dealer as soon as possible.

Charging

The Hagul EZ scooter is equipped with a built-in rechargeable lithium-ion battery. Before using the scooter for the first time, please fully charge the battery to ensure that it functions at optimum levels. (AC power supply: 100-240VAC, 50/60 Hz, charging temperature: 0-45°C)



- ⚠ • Before charging this device, please remove all water, stains, and/or dirt from the charging port.

Maintenance and Storage

Cleaning

After using Hagul EZ in either seawater or freshwater, please clean the scooter following the steps below:

- 1. Clean all components parts by rinsing or soaking in clean water.
- 2. Keep the device powered on; press and hold the start buttons with both hands, submerge the scooter in water for 3 seconds; repeat this action 5-10 times.
- 3. Shake the device and remove all foreign objects attached.
- 4. Wipe off the water drops with the clean soft dry cloth, and check if all the water on the device is dried. (Do not dry it with the hair dryer and heater)



Storage

If you don't plan to use your scooter for an extended period, please store it under the following conditions:

- 1. Please ensure that the device is stored in a cool and ventilated environment at a temperature of 0-45°C and a humidity of 65±20% RH.
- 2. Do not store in areas where it will be exposed to direct sunlight.
- 3. Keep the scooter away from high temperatures or flames, and keep it out of the reach of the children.
- 4. Keep the scooter away from devices that may generate strong magnetic fields.
- 5. Please take out the device once a month and run it for about 10 seconds to avoid any corrosion or deterioration that may be caused by ambient changes in the storage environment.
- 6. Charge the battery at least once every three months.

Common Issues and Troubleshooting

Common Problems	Troubleshooting
The propeller is stuck or rotates abnormally	1. The equipment is powered off 2. Check whether the propeller has been entangled by foreign objects 3. Follow the operations described in the "Cleaning" section, then dry the device and inspect it again 4. Contact Sublue or an after-sales service agency authorized by Sublue
The device cannot be powered on	1. Charge the battery to a sufficient level and attempt to restart it again 2. Contact Sublue or an after-sales service agency authorized by Sublue
Error prompt given by the LED indicators	1. Make sure the battery is fully charged 2. Restart the device 3. Contact Sublue or an after-sales service agency authorized by Sublue
Unable to be charged	1. Wipe the scooter's charging port to remove any residual water or dirt 2. Contact Sublue or an after-sales service agency authorized by Sublue

Safety Warning



This product cannot be used as a life-saving equipment, and users shall wear a life jacket or be equipped with life-saving equipment under all circumstances.



Please do not face directly the back of the propeller under any circumstances, and do not try to block the water inlet and outlet sides of the propeller.



Please read the user manual carefully and know well about the operation methods and precautions before using this product.



It is strictly forbidden to use this product beyond the specified limit depth.



Do not put your fingers deep into the propeller under any circumstances, or put clothes or other objects near the propeller.



Please pay attention to the conditions of surrounding waters during use, to ensure that there is no danger of collision due to the presence of boats and swimmers.



Do not wear loose clothes or accessories that may be sucked into the propeller by water.



Please fully understand the waters that you want to enter before using this product; the user shall ensure that swimming and diving activities are carried out in safe waters, and the water management staff agrees that this product can be used in this area.



Please wear a swimming cap during use, and pay special attention to people with long hair around to prevent twisting the hair into the propeller.



Before using the scooter, thoroughly check it to see if the battery is sufficiently charged and the propeller is running properly.



Please make sure that there is a companion to look after you within a certain distance during use.



Use of this product is restricted to persons above a certain age; please read the relevant information herein.



Please pay attention to the remaining battery capacity during use, and make sure to return before "battery has run out".



For safety, the battery should be kept at low battery during transportation. Discharge it beforehand to 30%.

Tips

1. Please fully charge the battery of this product before use.
2. Do not drink alcohol or take drugs before and during using this product.
3. Try to use this product in an open place, and pay attention to prevent clothes, algae, ropes, shark nets, shells, sand or other debris in the water from getting into the propeller, which may cause danger.
4. To protect the service life of motor, please do not start it continuously for more than 30 seconds in a non-underwater environment. In case of any abnormal state (such as smell of burning, etc.), please immediately release the key switch to stop the machine, and immediately disconnect the power supply of power system and control system.
5. Do not use this product directly on the beach, to prevent sand, shells or other debris from being carried into the propeller.
6. Please prevent the surface of product from being in contact with volatile or acidic substances such as gasoline and rubber cement or sharp objects.
7. Do not place heavy objects on the top of product.
8. Do not throw the battery into fire. When the product is not in use, please protect it from direct sunlight, because battery may be damaged and explosion or leakage may be caused at high temperature.
9. Do not use this product at a depth exceeding its specified limit.
10. Adequate lighting shall be provided when diving in dark waters or at night.
11. This product is not suitable for waters mixed with sand or other objects of similar physical properties.
12. Please do not use the machine when it fails.
13. Please choose whether to wear an anti-lost rope according to the buoyancy of the product and personal usage habits.
14. Please take the product out of the water when it is not in use.
15. Only the official or authorized service personnel of Subblue are allowed to repair the product without authorization, because incorrect repair operation may cause water leakage, damage, fire or electric shock to the product.
16. Please keep a safe distance of more than 1m from others during using the product.
17. If stored for a long period, check the battery at least every 6 months and charge it to 60%.

Specifications & Parameters

Specifications

Dimensions	L 375 mm × W 295 mm × H 202 mm
Weight	3500 g (including a 92.88 Wh built-in battery)
Operating Depth	0–15 m
Power	315 W
Speed	High speed: 3 knots (1.4 m/s); low speed: 2 knots (1.1m/s)
Battery Life	* Continuous run at high speed: 18 minutes; * Continuous run at low speed: 25 minutes; * Battery life at average continuous usage: 50 min.
Indicator Lights	Dual LED indicator lights indicate power and operating status
Working Temperature	0–35°C
Battery Capacity	6450 mAh
Nominal Voltage	14.4 V
Battery Power	92.88 Wh
Ambient Temperature Range for Charging Battery	0°C–45°C
Maximum Charging Power	67 W
Charging Time	2.5 H

Motor Parameters

Rated Voltage	14.4 V
Power	310 W
Motor Class	B continuous operation
Maximum Speed	3500 rpm

Charging Adapter

Input voltage	AC100-240 V 50/60 Hz
Output voltage	16.8 V  4 A
Rated power	67.2 W
Charging indicator	Red: Charging; Green: Fully charged

- * The travelling speed at each speed level has been determined by testing, and is subject to variations in users, water temperature, depth of water, currents, and other water conditions, as well as mounted accessories, clothing, and other equipment worn by the users.
- * The "continuous operation time" refers to the average value of the maximum time period at which the user can run the scooter continuously from a full charge.
- * The normal use time refers to the average value of the maximum time period at which the user can run this device in a casual, non-continuous manner from a full charge.



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The final right of interpretation belongs to Sublue