### SUBLUE Tianjin (Headquarters)

**ADD.** No.1,Quanzhou Road,Zhongguancun Science and Tech.Park,Binhai Tianjin CHN

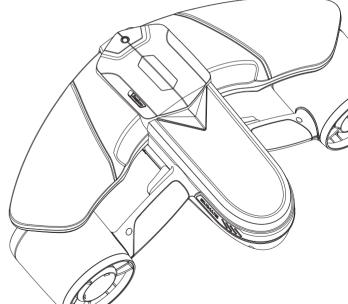
E-mail support@sublue.com
Web www.sublue.com

The final right of interpretation belongs to Sublue

# WhiteShark™ Navbow USER MANUAL

Please carefully read this user Manual before using the device and keep this user Manual in safe place

V12



Minors under 16 years old are not recommended to use this device. Just like using other electronic devices, please be cautious not to get electric shock.





### **Download the APP**





SublueGo APP is a mobile APP specifically designed to assist the use of this device. The user can download the APP by scanning the QR code or by searching "SublueGo" in the APP Store.

For IOS

For Android

<sup>\*</sup> APP update will not be notified. Please download the latest version and check for update. \* SublueGo require system above IOS 10.3 or Android 5.0.

## Recommendation

When using this device for the first time, please carefully read this "WhiteShark™ Naybow User's Manual" in order to learn more about this product and its precautions.

## 2 Support

The user may obtain Q&A, User Manual, instruction videos and other service and support via the following two means.

Website: http://service.sublue.ocm E-mail: support@sublue.com

#### China

Service Hot-line: 400-806-2688 E-mail: support@sublue.com

#### U.S

Service Hot-line: +1 855 206 8698 E-mail: support.us@sublue.com

Customers in other regions may contact your retailer or local distributor for support.



## ↑ Warning



This device cannot be used as a life-saving equipment.



To ensure safety, wear safety vest or life-savina equipment at all times.



Please carefully read this User Manual before using this device so as to learn all the operations and precautions.



During transportation or when carry this device on a plane, please remove the battery and keep the battery as required by relevant rules.



Make sure you have companion when using this device.



Do not put your finger into the propeller. Do not get your clothes or other object near the propeller.



Minors under 16 years old shall not use this device.



Do not wear loose clothes or equipment that may be easily sucked into the propeller.



Before using this device, please check the product thoroughly to confirm normal functions of battery, dual propeller and so on.



Wear a swimming hat when using this device and be cautious for people with long hair in case their long hair stuck in the propeller.



Please check the water area you are about to enter before using this device. Make sure that you are swimming or diving in appropriate water area and that the manager of this water area consent the use of this device



Check the battery from time to time and return to the shore before the battery exhausted.



Be alert about the surrounding environment and be cautious not to collide with ships or other swimmers



Do not let your face or mask against the back of the propeller directly.

## Notice

0	Fully charge the device before using it.
2	Do not use this device after drinking alcohol or taking medicine.
3	Use this device in open water. Do not get clothes, weed, wire, nets, shark net, shell, sands or other foreign object into the propeller in case of danger.
4	Do not change the battery underwater. Change the battery in dry environment while the device and your hands are dry at all times.
<b>5</b>	Do not operate the device in non-water environment for more than 30s so as to protect the motor's endurance. In case of abnormality (e.g. burnt smell), please release the button, stop the device and cut off the power immediately.
6	Do not use the device on the beach in case that sands, shell or other foreign objects get into the propeller.
7	Keep the device away from gasoline, rubber solutions or other volatile or acidic matters. Keep the device away from sharp objects.
8	Do not place heavy objects on the device.
9	Do not throw the battery into fire.
0	Avoid direct sunlight when storing this device. High temperature will damage the battery, causing explosion or leakage.
0	Do not use this device below its maximum depth (40m).
12	Adequate light is required when using this device in dark waters or at night.
13	Do not use this device in sandy water or waters with similar physical properties.
14	Do not use this device when error occurs.
<b>(</b>	The buoyancy of this product is influenced by geographical location, temperature, depth, and water current. Releasing the product may cause it to sink.
16	Take the device out of water when not using it.

1 Unauthorized person shall not repair this device in case of leakage, damage, fire or electric shock.

## **Contents**

DVE	erview	7
	Brief Introduction	7
	Product Features	7
	List of Items	9
	Name of Components	10
Cor	nnection for the First Time	11
	Items Check	11
	Read the User Manual	11
	Charge the Device	11
	Download the SublueGo APP	12
	Connect the Device	12
	Start	12
Γhe	Device	13
	Operations	13
	Display Explanation	15
3at	tery	17
	Introduction	17
	Charging the Battery	17
	Changing the Battery	18
	J J /	

### Overview

Storage and Maintenance of the Battery	18
Using the Device	20
Check before Use	20
Start	20
One-Handed Operation	24
Repair and Maintenance	25
Cleaning after Use	25
Storage	26
General Troubleshooting Methods	27
Appendix	28

Read and understand the user manual and all other safety instructions before using this equipment.



#### Symbol Explanation:

\* Note (Detailed explanation)

 ⚠ warning

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## ☐ Brief Introduction

WhiteShark™ Navbow, another newly launched underwater scooter after WhiteShark Mix, is mainly for the diving enthusiasts.

Featuring with ergonomically designed bow shape, speed and strength, it has double propeller thruster, high efficiency motion system, three-gear speed, and can realize one-handed operation.

There are two mounting points on the machine body, which you can equip with sports camera, lighting light, weight bracket (combined with weights, adjusting buoyancy), etc. Navbow has a 1.5-inch OLED screen, that displays information such as gear position, running time, remaining power, state alert and so on.

In case of low power, a dual alarm function ("machine vibration + screen flicker"), will provide you intimate reminder, which is more safer to use.

By APP smart interconnection, you can manage the device, monitor state, preset and so on. The maximum diving depth of Navbow is 40 meters in which offers the best view of blue sea heartily.

## 2 Product Features

- Compact and Convenient
   So% lighter than traditional DPV products.
- **2** Easy Operation
  Users can quickly master the easy operation methods.
- Multi-speed and Strong Power
  There are 3 gears of speed providing smooth to ultra-fast underwater experience.
- 4 Fast Battery Swap The unique patented battery sealing technology enables battery swap in 5 seconds.



### Overview

### Various Protections

The micro-positive buoyancy design enables automatic floating when detached from the user.\*; Low battery flashing & vibration; Emergency stop for propeller blockage.

#### **6** Rich Information Interaction

Time of use, speed, battery, operation mode, wireless connection status, etc.

### One-handed Operation

One-handed Operation mode was designed based on users' habits, allowing users to release one hand underwater just like operating a professional DPV.

### Extensions

The action camera mount was arranged on the bottom of the front end. And a 1/4" underwater device installation hole was arranged on the top of the front end for other extensions

### 9 App integration

The APP can realize settings of functions including device information synchronization, self-cleaning, safety lock, operation mode switch, etc.

\* The micro-positive buoyancy only exists in sea water without additional negetive buoyancy extensions (e.g. camera, counterbalance weight, lamp, etc.). Water environment and additional extensions will alter the buoyancy and negative may even occur.



The user shall not use this device unless he or she masters underwater diving techniques, gets familiar with one-handed operation in Navbow User Manual. and be in an absolutely safe water area.

### Overview

## 3 List of items



Underwater Scooter ×1



Charging Stand ×1



Adapter & Wire×1



Lithium Battery ×1



Tow Rope × 1



Balance Weight Bracket & Balance Weights × 3



D-ring Buckle×1



Anti-lost Lanyard×1

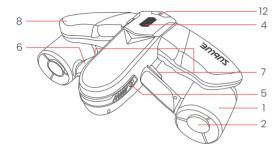


Explanation Material×3



- 1. Before using this product, please check the above items carefully. For missing items, please contact SUBLUE or your local distributor.
- 2. Please check whether there is damage to the new device.

## 4 Name of Components





14

10

- 1. Propeller Cylinder
- 2. Rear Cover
- 3. Front Cover
- 4. OLED Screen
- 5. Multi-function Switch
- 6. Handle
- 7. Start Button

- 8. Buoyancy Compartment
- 9. Battery Cover
- 10. Battery Compartment
- 11. Action Camera Mount
- 12. 1/4" Fixed Screw Hole
- 13. Lanyard Buckle
- 14. Sealing Pad



## 1 Items Check

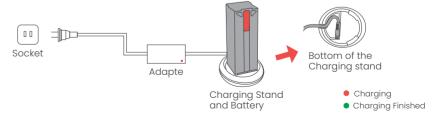
Please check the items carefully after opening the package. Please contact SUBLUE or authorized after-sales service center when detecting problems such as fracture, safety net loosening, propeller blade fracture, battery cover problem, enlarged battery or leakage, battery sealing pad fracture and other problem that seriously affect the use of this product.

### 2 Read the User Manual

Before using this product, please read the user Manual carefully and get familiar with the operation and precautions.

## 3 Charge the Device

Connect the charger to electric supply (100-240V~AC, 50/60Hz).



### The Device

and then hold it

### Download the SublueGo APP





When using the device for the first time, please follow the steps in "Connection for the First Time"
SublueGo APP is a mobile APP specifically designed to assist the use of this device. The user can download the APP by scanning the QR code or by searching "SublueGo" in the APP Store.

For IOS

For Android

\* APP update will not be notified. Please download the latest version and check for update.

\* SublueGo require system above IOS 10.3 or Android 5.0.

### 5 Connect the Device

Scan the QR code on the device or the first page of the user guide via the SublueGo APP and connect the device according to the guide on the APP. APP Icon Scan the OR code on the device





Scan the QR code on the device

## 6 Start

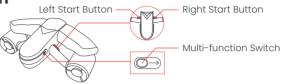
You can now take your Navbow to explore the underwater world.



Do not use this device unless you are familiar with all the operations and precautions and are in absolutely safe water area.



## Operation



Item	Operation	Diagram	Notes
Switch On	Push and keep the multi-function switch for 1 second		Speed is set on "FREE" by default.     Default switch-on gesture is "LR"
Switch Off	Push and keep the multi-function switch for 3 second	3s	
Dual-handed Operation	Push down the start buttons with both hands		
Speed Switch 1	Push and immediately release the multi-function switch	Quickly turn the switch	1. "FREE"→"SPORT"→"TURBO"→"FREE" 2. When battery drops below 50%: "FREE" →"SPORT"→"FREE"*
Speed Switch 2	Push down the start buttons with both hands and keep the device operating.     After releasing your right hand, quickly tap on the right start button twice	Twice	1. "FREE" → "SPORT" → "TURBO" → "FREE" 2. When battery drops below 50%:     "FREE" → "SPORT" → "FREE"  * Only in effect for Dual-handed operation mode

### The Device

Hand Operation Mode Switch

When the device is switched on while not operating, click the left start button twice and release it.



- 1. "LR"→"R"→"L"→"LR".
- 2. The mode is "LR" by default after restarting the device.
- 3. For APP settings, please refer to SublueGo User Guide

Left Hand Operation 1. Push down the start buttons with both hands



2. Release your right hand when the device starts operatina.



This operation is only effective in left hand operation mode. Please set the mode via SublueGo APP in advance

2 The user shall understand the potential risks of this mode before adopting this mode.

Right Hand Operation

1 Push down the start buttons with both hands



2. Release vour left hand when the device starts operating.



1. This operation is only effective in right hand operation mode. Please set the mode via SublueGo APP in advance.

2. The user shall understand the potential risks of this mode before adopting this mode.



1. When battery drops below 50%, TURBO speed mode will be banned.

- 2. The user shall not use this device unless he or she masters underwater diving techniques, gets familiar with single hand opreation in Navbow User Manual, and be in an absolutely safe water area.
- 3. Without any operation, the device will automatically shut down in 20 minutes.



## 2 Display Explanation

#### 1. Status Indicator

Items	Icon	Rules
Welcome Page	ZUPLUE	
Battery		Battery is displayed in 6 blocks     When battery drops below 50%, TURBO speed mode will be banned
	FREE	Low Speed 1m/s
Speed*	SPORT	Middle Speed 1.5m/s
	TURBO	High Speed 2m/s
Time of Use	88:88 <sub>s</sub>	Only counted during use     Time will be cleared after restarting
Wireless	×	Unconnected to the mobile APP
Connection	<u> </u>	Connected successfully to the mobile APP
	LR	Dual-handed Operation Mode
Hand Operation Mode	R	Single-Handed Operation Mode - Right Hand
	L	Single-Handed Operation Mode - Left Hand

<sup>\*</sup> The speed of each gear is the tested result. It will be affected by different users, water conditions (temperature, depth, flow), the increase of mounting device, users' swimwear and equipment, etc.

## Battery

#### 2. Device Status and Alarm

Low Battery Alarm	<u> </u>	1. When battery drops below 30%, the device will send low battery alarm 2. The battery indicator icon will flash continuously 3. The device will give out vibration alarm three times when the battery drops below 30%
Extremely Low Battery Alarm	ý	When battery drops below 20%, the device will send extremely low battery alarm     The battery indicator icon will flash quickly and continuously     The device will give out vibration alarm six times when the battery drops below 20%
Self Cleaning	$\bigcirc$	The black dot will circle around during self cleaning     Self cleaning will last for 3 minutes
Safety Lock	8	No operation can be carried out when safety lock is switched on. The safety lock icon will flash continuously.     Unlock the device via the mobile APP before operating it again.
Error	!	When error occurs, the error icon will be displayed every minute
Firmware Update		The arrow will flash continuously and the number indicates updating progress

- \* Please check the battery from time to time and return to shore in time.
- \* When error occurs, please stop using this device immediately and contact SUBLUE or authorized after-sales service center for solution.

## **☐** Introduction

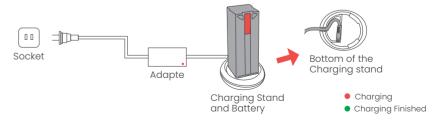
This battery is a high-performance lithium battery specially designed for WhiteShark™ Navbow underwater scooter with a capacity of 10670mAh. The high-performance battery cell enables adequate power supply for Navbow.



- This battery can only be charged by designated charger. Sublue assumes no responsibility for consequences of using unofficial chargers (including charger for other Sublue products).
- 2. Navbow uses lithium battery. Please fully charge the battery before using Navbow for the first time.
- 3. It takes 3.5h to fully charge the battery with official adapter.
- 4. It takes 2h to fully charge the battery with quick charge adapter.

## 2 Charging the Battery

Connect the charger to electric supply (100-240V~AC, 50/60Hz).



## Battery

## 3 Battery Swapping









Open the battery cover

Insert the battery into the compartment

## 4 Storage and Maintenance of the Battery

- Please take out the battery when not using the device. The storage temperature for the battery is 25±5°C. And the storage humidity is 65±20%RH. Please store the battery in cool and well ventilated place with 30-60% of remaining power.
- 2 Do not store the battery under direct sunlight or hot places (e.g. near microwave oven or oven). Overheat may cause explosion.
- 3 Do not throw the battery into fire to prevent explosion.

- 4 Do not charge the battery near the source of heat or fire.
- **5** Do not drop, squeeze, or pierce the battery in case of short circuit or overheat.
- 6 Do not dismantle or modify the battery in case of leakage or explosion.
- 7 Do not store the battery in children's reach.
- 8 Do not charge the battery when the ambient temperature is below 0°C.
- **9** When using the battery below 0°C, the endurance will decrease sharply.
- **(10)** For the sake of safety, please maintain low battery during transportation. Please discharge the battery to around 30% before transportation.
- Do not use damaged battery.
- (2) When the electrolyte get into the eyes, flush with fresh water immediately and seek for medical assistance at once. Untimely treatment may cause harm to the eyes.
- (3) For long time storage, please check the battery every 6 months and recharge the battery to 60%.

## Using the Device

### **Check before Use**

### 1. Check the Device

Check the device to see if there is any damage to the device, loosening of safety net, fracture of propeller blade, scratch or damage of the battery sealing pad, swollen battery or leakage every time before using this device.



#### 2. Check the Functions

Check the battery, two start buttons, and the multi-function switch. Check whether the propeller works normally after starting the device. Check whether the speed switch works normally.

## 2 Start



Do not use this device unless you have mastered all the operation of this device and are in absolutely safe water area.

### 1. Posture and Handling



## Using the Device

### 2. Speed Switch

#### · Switch speed via the multi-function switch

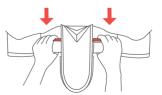
Push and immediately release the multi-function switch. After successfully switching the speed, the speed icon will flash several times on the display.



### · Switch speed via the start buttons

Push down the start buttons with both hands and keep the device operating. After releasing your right hand, quickly tap on the right start button twice (interval: 0.5s) and then hold it.

\* Only applicable for dual hand operation mode.



## Using the Device

### 3. Remaining Battery and Low Battery Alarm

### · Remaining Battery





70%-90%





30%-50%



20%-30%



Below 20%

· Low Battery Alarm

- When battery drops below 30%, the device will send low battery alarm. The battery indicator icon will flash continuously. The device will give out vibration alarm three times when the battery drops below 30% for the first time.
- When battery drops below 20%, the device will send extremely low battery alarm. The battery indicator icon will flash quickly and continuously. The device will give out vibration alarm six times when the battery drops below 20% for the first time.

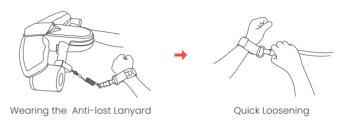


Please check the battery from time to time and return to shore in time.

### 4. Wearing and Emergency Loosening of the Anti-lost Lanyard



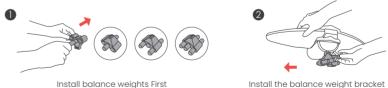
If you are wearing the Anti-lost Lanyard, you may use quick loosening to separate yourself and the device so as to ensure your safety in emergency.



### 5. Buoyancy Adjustment

The buoyancy of this device will alter with the surrounding water environment. If buoyancy adjustment is needed for optimal use experience, please follow the instructions below.

Install one balance weight (to the hole in the middle). Please follow the below diagram for the installation. With each weights added, you need to immerse the device into the water and vent the device to check whether the buoyancy meet your expectation. Add more balance weights until the buoyancy meet vour expectation.



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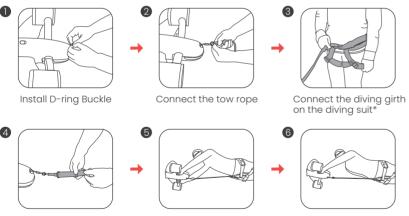
install the balance weight bracket



- 1. Please only adjust buoyancy in safe water area in case the device sinks.
- 2. Adjustment may lead to negative buoyancy and the device may sink if you release it.

### One-Handed Operation

- The user shall not use this device unless he or she masters underwater diving techniques, gets familiar with one-handed operation in Navbow User Manual, and be in an absolutely safe water area.
- 2. Please operate in FREE mode and get familiar with the device.
- 3. When using the device in water, please operate with both hands first. When the operation stabilizes and the tow rope straightens, slowly release the other hand and switch to one-handed operation.
  - \* If you do not have a diving suit or a waist belt, please consult Sublue for a diving girth.



Adjust the tow rope to optimal length

Operate with both hands until the tow rope straightens

Switch to one-handed operation after stabilization

### Repair and Maintenance

## Cleaning after Use

- After using Navbow, please clean it in fresh water in 30 minutes in case the remaining sea water or foreign object damage the device. Please mind the following issues:
  - \* Battery should be installed during cleaning.
  - \* Please use fresh water.
  - \* Please immerse the device in fresh water for at least 20 minutes.
  - \* Do not add laundry detergent, cleanser or other chemical products.
  - \* It is normal condition that bubbles may emerge from the device when immersing Navbow in fresh water.
- For deep cleaning, please activate "Self Cleaning" function via the mobile APP. After the propeller starts revolving, please immerse the propeller into fresh water. (For detailed steps, please refer to SublueGo User Manual)



Be careful not to splash yourself.

- 3 Shake the device so as to remove all foreign objects on the device.
- Wipe the device with a clean and soft cloth until there is no water on the device or near the battery. Remove the battery and place it in cool and well ventilated place to dry.
  - \* Do not use a hair dryer or wind blower for drying.



## Repair and Maintenance

## 2 Storage

When you are about to cease using the device for a long time, please store the device and the battery separately in their respective packages and follow the rules below:

- 1 Store the device in cool and well ventilated place. (0-45°C, 65±20%RH)
- 2 Do not store the device under direct sunlight.
- 3 Keep the device away from source of fire and children's reach.
- 4 Keep the device away from devices generating strong magnetic field.
- 6 Check the device every month and operate it for 10s to prevent corrosion due to the storage environment.



	Fault	Solution
	Propeller Blockage	Switch off the device     Check whether the propeller is entangled with foreign objects     Proceed the "Cleaning after Use" steps in "Repair and Maintenance" chapter     Contact SUBLUE or authorized after-sales service center
	Damaged or Swollen Battery	Contact SUBLUE or authorized after-sales service center
	Stain on Battery's Contacts	1. Check whether there is damage around the metal cover 2. Check whether there is damage to the sealing pads. 3. Wipe the stain with dry cloth if the stain is minor 4. Contact SUBLUE or authorized after-sales service center.
	Unable to Switch on the Device	Fully charge the battery, install the battery and try switching it on again     Contact SUBLUE or authorized after-sales service center
	Abnormal Display	Make sure that the battery is charged     Restart the device     Contact SUBLUE or authorized after-sales service center
	Abnormal Operation	Check whether you have switched hand operation mode     Restart the device     Contact SUBLUE or authorized after-sales service center

## Appendix

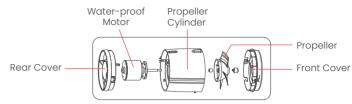
#### The Device

Dimensions	L486 × W327 × H177mm (L19.13 × W12.87 × H6.96in)				
Weight	3400g (7.49lbs)				
Operating Depth	0-40m				
Speed Gear	3 Gears (FREE/SPORT/TURBO)				
Speed*	Turbo:2m/s Sport:1.5m/s Free:1m/s				
Battery Life	normal use*: Runs up to 60mins continuous use*: Turbo:8mins+Sport:9mins* Sport:20mins Free:45mins				
Extension Support	Action Camera Mount Point*1 1.4" Fixed Screw Hole*1  D-ring Buckle*1				
Operating Temperature	0-35℃				
Storage Temperature	0−45℃				

### **Battery**

Capacity	10670mAh
Rated Voltage	14.8V
Weight	1100g (2.42lbs)
Power	158Wh
Ambient Temperature for Charging	5-40℃
Maximum Charging Power	100W
Charging Time	around 3.5h

## **Appendix**



#### Motor

Rated Voltage	14.8V
Power	420w
Motor Insulation Grade	B Continuous
Maximum RPM	2470RPM

#### Adapter

	Input Voltage	100-240V~AC	50/60Hz
	Output Voltage	16.8VD	С
	Rated Power	65W	
	Charging Indicator	Charging: Red Light Charg	ing Finished: Green Light

- \* The speed of each gear is the tested result. It will be affected by different users, water conditions (temperature, depth, flow), the increase of mounting device, users' swimwear and equipment, etc.
- \* Normal use time is the average of the maximum time that user can operate the device in general use (non-continuous operating) when the battery is fully charged.
- \* Continuous use time is the average of the maximum time that the user can operate the device continuously in each gear when the battery is fully charged.
- \* Turbo grade can only be used when the remaining power is more than 50%. Continuous use of Turbo grade to less than 50% power will automatically switch to Sport grade.



### Names and Contents of Harmful Substances in Products

	Harmful substance									
	Pb	Нд	Cd	Hexavalent	PBB Polyb- rominated biphenyl	PBDE Poly- brominated diphenyl ethers	DIBP Diisobutyl phthalate	DEHP Di (2- et- hylhexyl) phthalate	BBP Tolyl Butyl Phthalate	DBP Phenylbutyl terephtha- late
Circuit board assembly	0	0	0	0	0	0	0	0	0	0
panel	0	0	0	0	0	0	0	0	0	0
Plastic (glue) parts	0	0	0	0	0	0	0	0	0	0
Metal parts	0	0	0	0	0	0	0	0	0	0
Power cord	0	0	0	0	0	0	0	0	0	0
Adapter	0	0	0	0	0	0	0	0	0	0
Charging seat	0	0	0	0	0	0	0	0	0	0
Battery	0	0	0	0	0	0	0	0	0	0
Other ac- cessories	0	0	0	0	0	0	0	0	0	0

### This form is prepared according to SJ/T 11364.

- O: Indicates that the content of the hazardous substance in all homogeneous materials of the component is below the limit specified in GB/T 26572;
- X: Indicates that the content of the hazardous substance in at least one homogeneous material of the component exceeds the limit requirements specified in GB/T 26572.
- Note: This product uses the concept of environmental protection design to effectively control harmful substances. The harmful substances indicated by "X" are mainly limited by the level of technological development and cannot be replaced by harmful substances.

### Environmental protection service life:

This logo refers to the period of time (10 years) during which harmful substances contained in electronic and electrical products will not leak or mutate under normal use conditions, and users will not cause serious pollution to the environment or serious damage to their personal and property when using the electronic and electrical products.



### Exhaust gas recovery tips:

In order to better care and protect the earth, when users no longer need this product or the product's service life ends, please abide by the relevant laws and regulations of the national waste electrical and electronic products recycling, and hand it over to the local manufacturer with the national recognized recycling qualification for recycling.

Sublue Technical Support http://service.sublue.com





Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The information, diagrams and illustrations in this user manual are owned by SUBLUE. Copying and distributing without prior consent is strictly prohibited. SUBLUE reserves the right to change any information in this user manual.

Update of this user guide will not be noticed.

You may find the latest version of this user manual on the "Service and Support" column on SUBLUE's official website.

Please contact us via the below email if you have any question or suggestion to this user manual.

support@sublue.com