

# V500 RC BAIT FISHING BOAT MANUAL

## V500打窝船使用说明书



Dear Buyer:

Thanks for your buying of the remote control fishing bait boat with two motors. Your kind trust for us is a great motive, we will keep moving to supply the best item to you. Every boat is with an independently life. We pursue the best quality through the strict production and controlling. We are seeking the happy fishing from the product to service. So our company make this manual for your reference. Please operate and use the product under the guidance of the manual.

亲爱的用户:

感谢您购买我们的打窝船。您的信任对我们来说，这是宝贵的财富，我们将继续为您提供最好的产品。每艘船都有独立生命，我们通过严格的生产和控制来追求最好的质量。我们是汕头市飞鹰科技，从产品到服务，我司追求为您提供全方位的舒适贴心感受。所以我们公司做了供您参考的手册，请在手册的指导下操作使用产品。

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## 1. Feature Introduction:

The boat adopts the ABS which is without the poison and smell, the ABS is with the strong anti-resistant and abrasion resistance, the boat color can be kept a long time. It is easy to clean as the ABS can beat the chemical pollution.

## 2. Professional Digital Full Automatic FM Device

It can solve the problems: interference of different boats' frequency; short distance of remote controlling; pick up the boat when it is out of control.

## 3. Resistant the Strong Wind and Wave

Two motors with the waterproof design, which can stop the water through the boat, and also can run well under 3-4 level wind.

## 4. Long Battery Life

Low noise, low energy consumption, continuous sailing for more than 2 hours.

## 5. Carry Easily

It is easy to carry with the boat backpack

## 1. 材质过硬

船体采用ABS工程塑料，无毒、无味，兼有韧、硬、刚的特性，有超强的抗冲击度和耐磨性不易磨损，抗划痕性强，能长期保持如新的色泽，还具有很好的抗化学污染性，更易于清洁！

## 2. 专用数码自动调频装置

专用电路和专用数码自动调频遥控装置，彻底解决多条船航行时相互干扰，遥控距离近、失控捞船等麻烦

## 3. 抗风性强

流线型船体设计，整船做了防水处理，能有效防止各类渗透漏水现象，3-4级风照常行驶！

## 4. 续航能力强

低噪音、低耗能，可连续航行2小时以上！

## 5. 携带方便

配置背包，携带方便！

## 1. Motor

Turn radius 0.8-1.0M

## 2. Battery

Power: 7.4V 5200mAh, maintenance-free battery, battery life is above 2 hours, can be replaced with 3S large capacity battery, faster sailing speed.

Alarm: When in low battery, please drive the boat back safely.

## 3. Night Light

The night light can help to distinguish the direction and lure the fish.

## 4. Remote Controller

2.4Ghz transmission, Remote control distance above 400M-500M; proportional steering and proportional throttle.

## 5. Boat Body

Direction: forward, backward, right and left turn, release the bait flexibly and precisely, can resist the wind under 3-4 level.

## 1. 马达

转弯半径0.8-1.0米

## 2. 电池

电源：7.4V 5200mAh免维护电池、可连续工作2小时以上；可替换使用3S大容量电池，航行速度更快。

警告：电量较低时，请把船开回来充电。

## 3. 夜航灯

夜航指示灯帮助钓鱼者在夜晚操作时能辨别航行方向，并起到诱鱼的效果。

## 4. 遥控器

2.4GHz传输，遥控距离400-500米；比例油门，比例转向。

## 5. 船体

动作：前进、后退、左右转弯，抛洒鱼饵。

控制灵敏精准，并可抗击3-4级风浪。



- ◆ Two Bins Design: every bin can be controlled independently; loading weight is above 1.5kg.
- ◆ Night Light: it adopts strong blue light design, which can distinguish the direction in the night flight; it can attract the fish.
- ◆ 双料仓设计：每个料仓均可单独操控；载重1.5公斤。
- ◆ 夜航灯：采用强蓝光设计，能在夜航中辨别方向；对鱼群起到一定的引诱作用。

## BOAT BODY INTRODUCTION 船体介绍

- ◆ Streamline Boat Body: running more stable; resistance to the wind and wave more strong
- ◆ 流线型船体：航行更平稳，抗风浪性更强



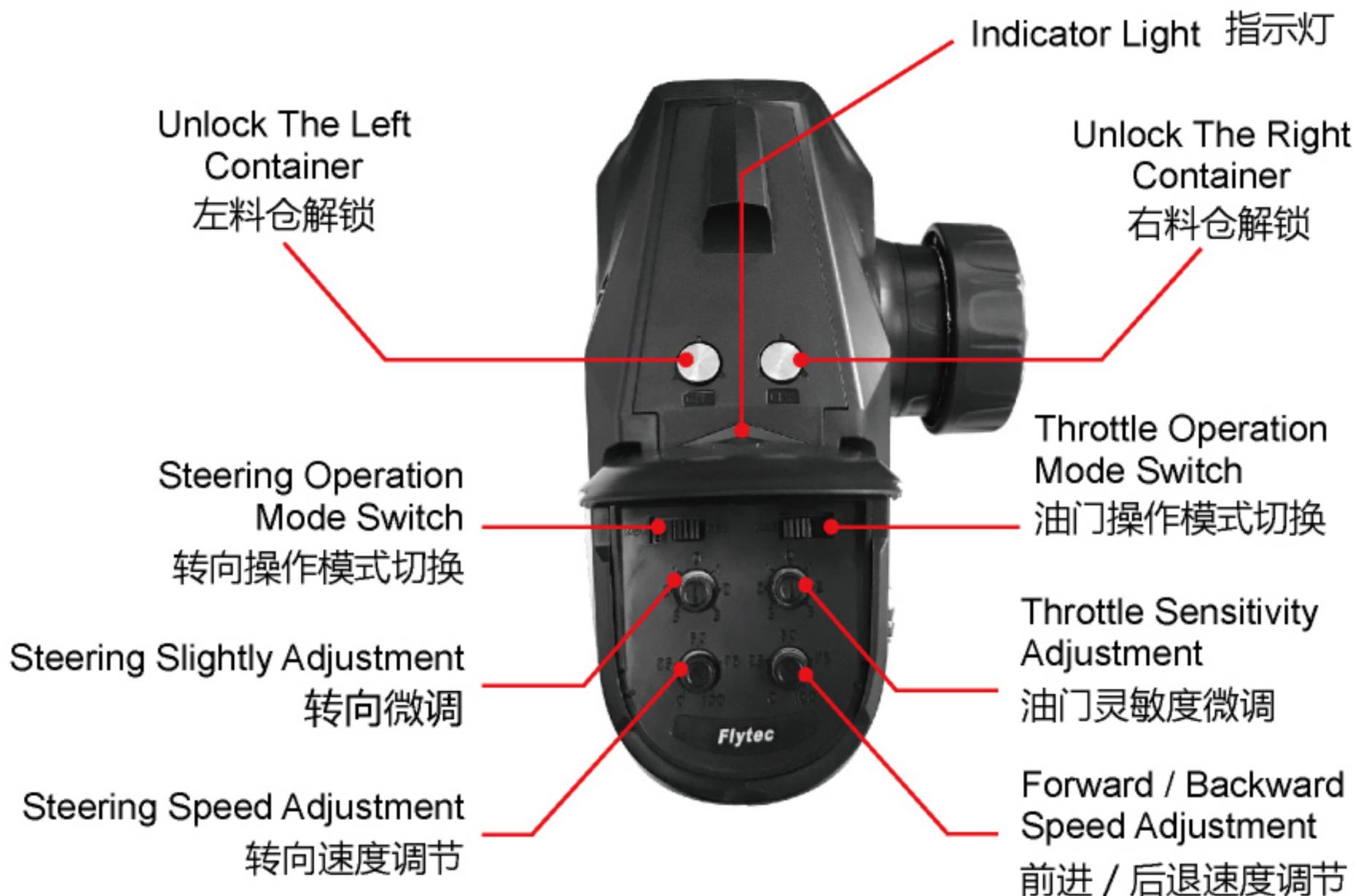
## BATTERY INTRODUCTION 电池介绍

- ◆ 7.4V 5200mAh 2S Battery, long battery life and fast charging, can be replaced with 3S large capacity battery, more power, faster sailing speed. (3S Battery not included).
- ◆ 7.4V 5200毫安2S电池，续航时间长，充电快；可替换使用3S大容量电池，动力更足，航行速度更快（3S电池需另购）。



The battery is built into the battery compartment.  
电池位于电池仓内。

# CONTROLLER INTRODUCTION 遥控器介绍



## ◆ Low Battery Warning 低电量报警

When the voltage of the controller is too low, the yellow light of the controller flashes slowly.  
当遥控器电压过低时，遥控器指示灯慢闪。

The low battery warning of the controller will alarm in two voltage states. When four dry batteries reach 4.6V, it will flash the alarm, and the lithium battery will alarm when reach 7.4V.

遥控器低电报警是两种电压状态才会报警，4节干电池达到4.6V就会闪烁报警，锂电池达到7.4V就报警

## ◆ Controller Power Supply 遥控器电源

The first type: Dry battery power supply, the controller is equipped with 4 full power 1.5V AA dry batteries, to ensure that the metal terminals on the battery are connected to the metal terminals in the controller battery compartment.

第一种：干电池供电，遥控器安装4颗足电的1.5V AA干电池，确保电池上的金属端子与遥控器电池仓内的金属端子相接。

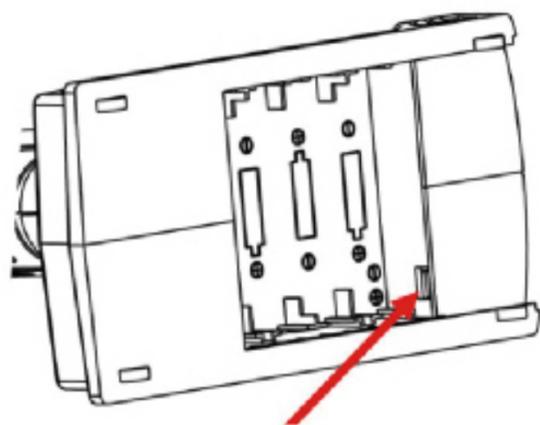


4\*1.5V AA Battery (Not Included)

4\*1.5V AA 电池 (需另购)

The second type: The lithium battery power supply, install 2S lithium battery, the controller Lithium battery socket has anti-reverse insertion function, connect to wrong side between the positive and negative poles will not burn the product.

第二种：锂电池供电，装入2S锂电池，遥控器电池插口带防反插功能，正负极接反不会烧毁本产品。



Lithium Battery  
socket  
锂电池插口



Lithium Battery  
Not Included  
锂电池需另购

The third type: Using the USB cable to connect the controller power supply port and mobile power supply (only 5V power supply, otherwise it will burn out the remote controller).

第三种：使用USB线连接遥控器供电口与移动电源进行供电（仅限5V供电，否则会烧坏遥控器）。



USB Power  
Supply Port  
USB供电口



## ◆ Match 对频操作

The products are basically tested on the frequency function before leaving the factory, and the frequency has been matched one by one. However, if there is a replacement of the boat circuit board or remote controller, then you need to do the following frequency operations:

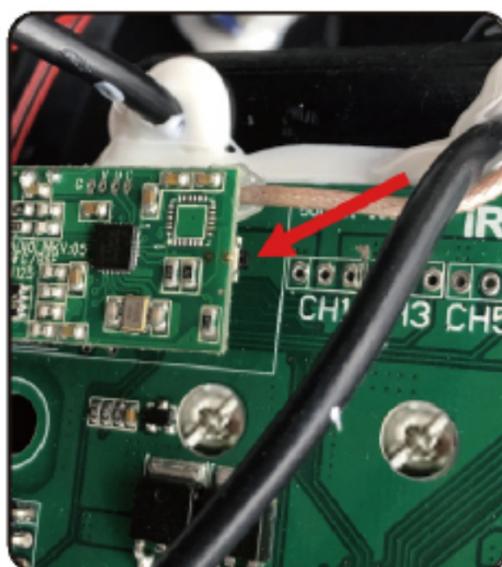
1. Turn on the controller switch power supply, the boat circuit board is with electricity, and the green light of the circuit board will be turned on (Figure 1);
2. Keep controller within 20cm distance of the boat circuit board. Long press the small black button (Figure 2) of the receiver for 2-3 seconds. The LED light will start to flash. After release, wait for the red light turn to steady green light, that the frequency is successful matched (Figure 3).

产品出厂前基本经过对频测试，已一一匹配对频，但如出现更换船体电路板或者更换遥控器的情况，则需要重新进行以下对频操作：

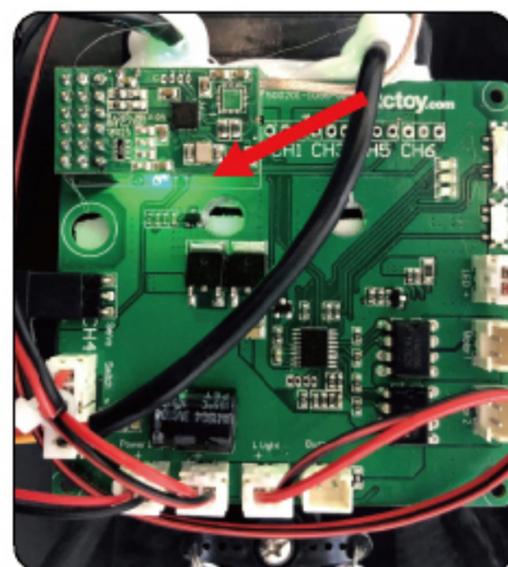
1. 打开遥控器开关电源，船体电路板通电，电路板上亮绿灯（图1）
2. 遥控器距离船体电路板20cm以内，长按接收器上的黑色小按钮（图2）2-3秒，LED灯源开始闪烁，松开后等待灯源呈绿灯常亮，即对频成功（图3）



(图1)



(图2)



(图3)

## ◆ Forward / Backward 前进 / 后退

Pull down the trigger of the controller, the boat will move forward. 向后按动遥控器的扳机，船向前移。

Pull up the trigger of the controller, the boat will move backward. 向前推动扳机，船向后移。



## ◆ Turn Left / Turn Right 左转 / 右转

Turn the direction knob backward and the boat will turn to left.  
Turn the direction knob forward and the boat will turn to Right.

向后转动方向旋钮，船向左转。  
向前转动方向旋钮，船向右转。



**NOTE:** If you found the above operating direction is opposite to the actual situation, the steering can be switched by pressing "Steering Operation Mode Switch".

**注意:** 如果发现上述操作的方向与实际相反，可以通过操作“转向模式切换按钮”来切换转向的操作。

## ◆ Light Control 灯光控制

Press "Light Control" button, turn on the night flight light of the boat, the light control button of the controller is also always on (Figure 4). Press again, turn off the light of the boat, at this time the light control button of the controller will be off (Figure 5).

按下“灯光控制”按钮，打窝船上的夜航灯常亮，遥控器上的灯光控制按钮也常亮（图4）。再按一次，关闭打窝船上的夜航灯，此时遥控器上的灯光控制按钮暗掉（图5）。

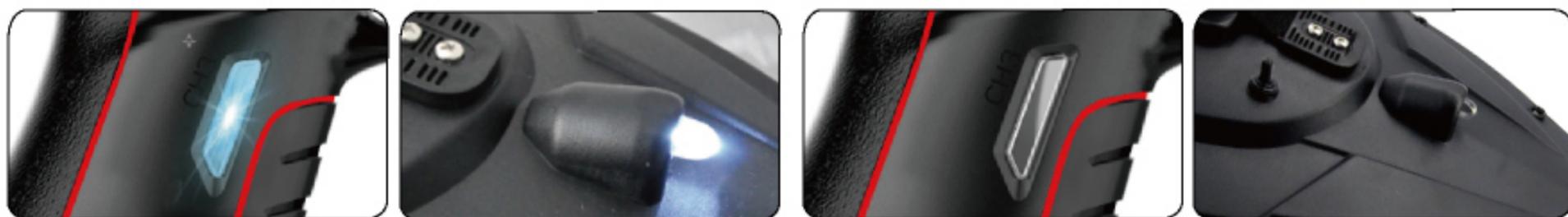


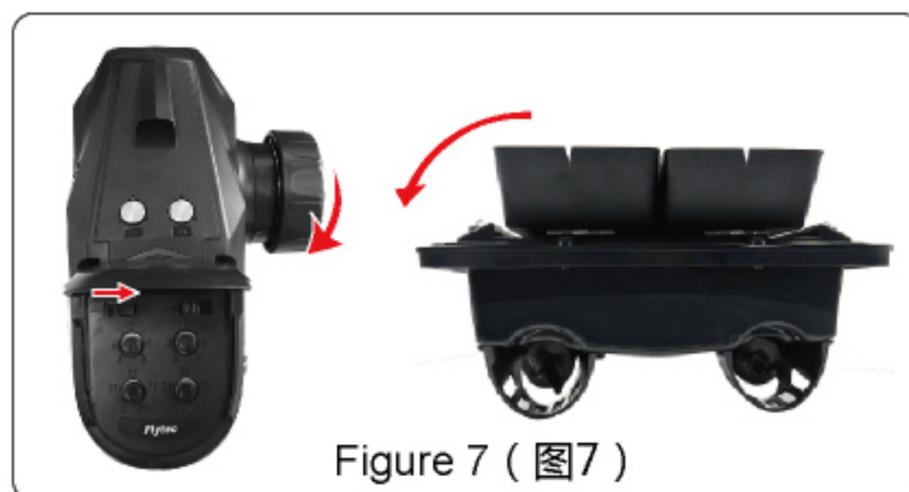
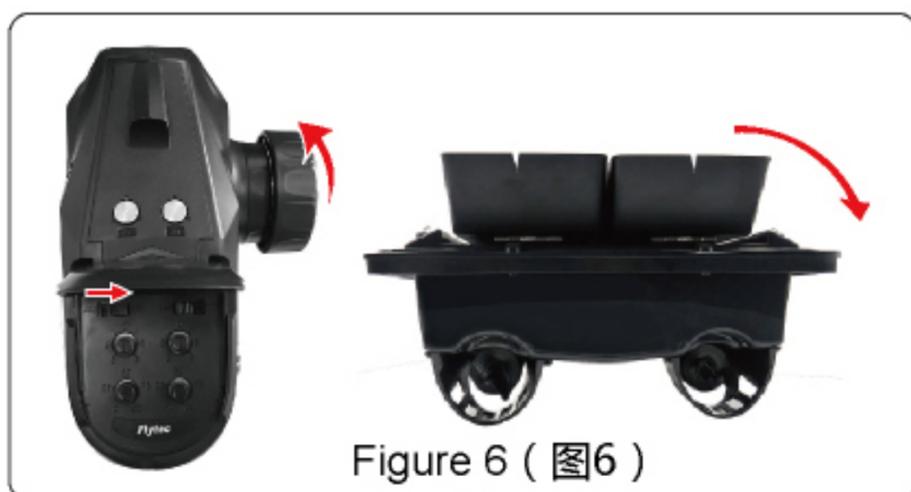
Figure 4 (图4)

Figure 5 (图5)

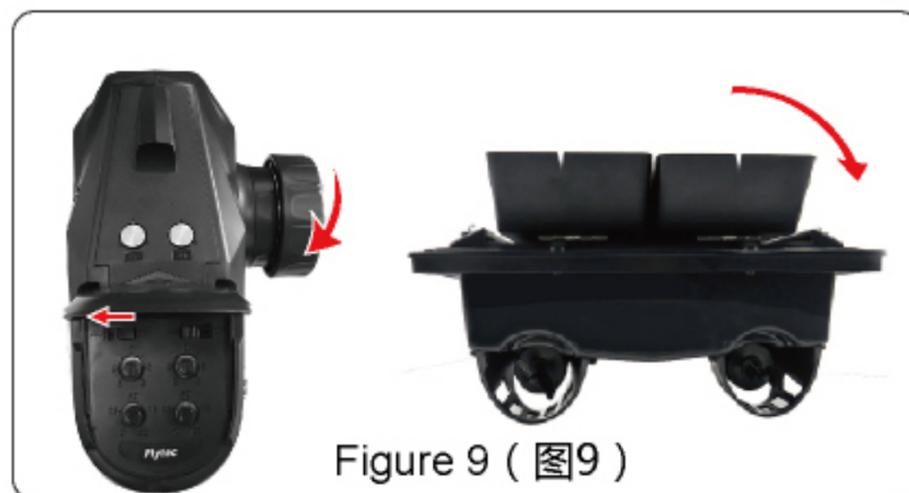
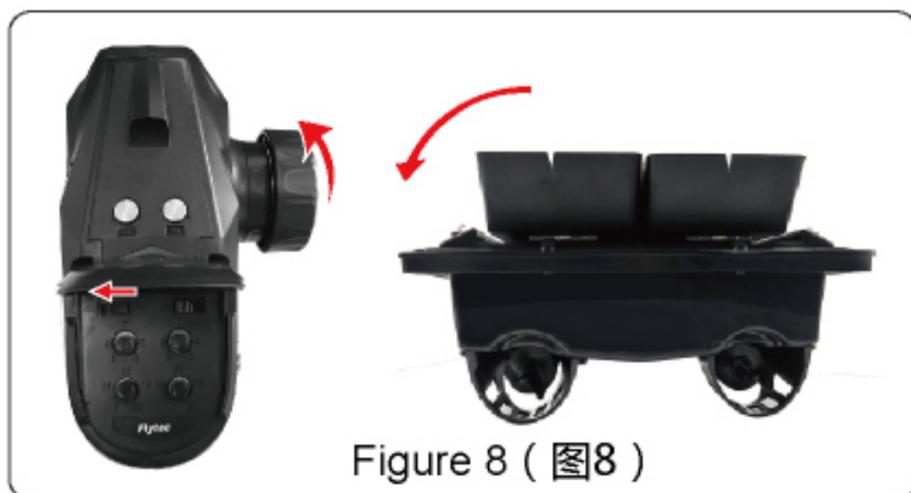
## ◆ Steering Operation Mode Switch 转向操作模式切换

Push the "Steering Operation Mode Switch" button to the right, then turn the direction knob forward, and the boat will turn right (Figure 6). Turn the direction knob backward and the boat will turn left (Figure 7).

“转向操作模式切换”按钮往右边推，然后向前转动方向旋钮，船向右转（图6）。向后转动方向旋钮，船向左转（图7）。



Push the "Steering Operation Mode Switch" button to the left, then turn the direction knob forward, and the boat will turn left (Figure 8). Turn the direction knob backward and the boat will turn right (Figure 9).  
 "转向操作模式切换"按钮往左边推，向前转动方向旋钮，船向左转（图8）。向后转动方向旋钮，船向右转（图9）。



## ◆ Throttle Operation Mode Switch 油门操作模式切换

Push the "Throttle Operation Mode Switch" button to the left, then pull down the trigger of the controller, the boat will move forward (Figure 10). Pull up the trigger of the controller, the boat will move backward (Figure 11).

"油门操作模式切换"按钮往左边推，然后向后按动遥控器的扳机，船向前移（图10）。向前推遥控器的扳机，船向后移（图11）。



Push the "Throttle Operation Mode Switch" button to the right, then pull down the trigger of the controller, the boat will move backward (Figure 12). Pull up the trigger of the controller, the boat will move forward (Figure 13).

“油门操作模式切换”按钮往右边推，然后向后按动遥控器的扳机，船向后移（图12）。向前推动遥控器的扳机，船向前移（图13）。



## ◆ Steering Slightly Adjustment 转向微调

If the boat automatically turns to left during driving, turn the "steering fine adjustment" knob to the left for fine adjustment.

如果船在行驶中方向偏左转，将“转向微调”旋钮向左边转动进行微调。

If the boat automatically turns to right during driving, turn the "steering fine adjustment" knob to the right for fine adjustment.

如果船在行驶中方向偏右转，将“转向微调”旋钮向右边转动进行微调。



Slight Left Turn Adjustment 偏左转微调

Slight Right Turn Adjustment 偏右转微调

**NOTE:** When the boat drive in a straight line or near the baiting position, please turn this knob to the center position.

**注意：**当船行驶成直线或者到达打窝点附近时，请将此旋钮转动到居中位置。

## ◆ Throttle Sensitivity Adjustment 油门灵敏度微调

According to your operating habits and preferences, adjust the sensitivity of the throttle through the "Throttle Sensitivity Adjustment" knob.

根据个人的操作习惯和喜好，通过“油门扣手灵敏度微调”旋钮来调节油门扣手的灵敏度。



1. Turn the knob to the left to reduce the sensitivity of the throttle knob.  
向左转动旋钮，降低油门扣手灵敏度



2. Turn the knob to the right to increase the sensitivity of the throttle knob.  
向右转动旋钮，增加油门扣手灵敏度

**NOTE:** When the boat near the baiting position, please turn this knob to the center position.

**注意:** 当船行驶到达打窝点附近时，请将此旋钮转动到居中位置。

## ◆ Forward / Backward Speed Adjustment 前进 / 后退速度调节

Use the "Forward / Backward Speed Adjustment" knob to adjust the forward and backward speed of the bait fishing boat.

用“前进 / 后退速度调节”旋钮来调节打窝船前进、后退的速度。



1. Turn the knob to the left to reduce the speed of forward and backward.  
向左转动旋钮，降低前进、后退的速度。



2. Turn the knob to the right to increase the speed of forward and backward.  
向右转动旋钮，增加前进、后退的速度。

## ◆ Steering Speed Adjustment 转向速度调节

Use the "Steering Speed Adjustment" knob to adjust the steering speed of the bait fishing boat.

用“转向速度调节”旋钮来调节打窝船转向的速度。



1. Turn the knob to the left to reduce the speed of steering.  
向左转动旋钮，降低转向的速度。



2. Turn the knob to the right to increase the speed of steering.  
向右转动旋钮，增加转向的速度。

## ◆ Sprinkle Bait 撒饵料

Press the "Unlock The Left Container" button to sprinkle bait in the left container of the bait fishing boat.  
按“左料仓解锁”按钮，打窝船左料仓撒饵料。



Press the "Unlock The Right Container" button to sprinkle bait in the right container of the bait fishing boat.

按“右料仓解锁”按钮，打窝船右料仓撒饵料。



**NOTE:** When you throw the bait, please turn these two buttons to the middle position (as shown on the right, stop the motor working and achieve the silent baiting).

**注意:** 打窝时请将这两个按钮转动到中间位置（如右图），停止马达工作，实现静音打窝。



## ◆ Controller 遥控器

Please kindly take out the battery if there is a long time for leaving unused.

在长时间不使用时请取出电池。

## ◆ Boat Body 船身

1. Please keep dry and clean for the boat after using the boat.  
使用完毕后请擦拭水分保持船体的干燥和清洁。
2. When you not use it for a long time, please cut off the power supply.  
在长时间不使用时，请断开船电源线。
3. Please do not put the boat with the corrosive liquid.  
不要跟腐蚀性液体和物品一起存放。
4. Don't use or leave the battery near a heat source such as fire or heater.  
请勿靠近高温物体。
5. Please put the boat into the bag to keep the boat from the dusty if do not use the boat.  
不用时，请将打窝船放置在配套的袋子中存放起来，以防沾尘土。

# FAULT DETECTION AND SOLUTIONS 故障排查及解决方法

## ◆ What should I do if the switch is not powered? 收到打窝船后，打开船体开关不通电怎么办？

1. First check the battery to see if it has power or not. If there is no power, first charge it, and then operate it after charging (Figure 14).  
首先检查电池是否有电（看船身的指示灯）如果没电先充电，充好后再进行操作（图14）。
2. It may be the charging port in the battery compartment is not in good contact with the connecting cable. You can touch the connector to see if this phenomenon occurs. If the connection is not good, you can tight up the connection between the charging plug and the cable, or pinch the charging port with your hand or pliers and then insert the connector (Figure 15).  
可能是电池仓内充电口与连接线接触不好，可以用手拨动一下连接口看是否有此现象发生，如接触不好可以用力将插口插紧，或将插口用手或钳子稍微捏一下(图15)，然后再插入连接口。
3. If there is still not worked after first two solutions, Please unscrew the cover of the boat to check the internal situation. The product may have some uncertainties happened during transportation, causing the connection line and the circuit boards are loose, which lead to the boat doesn't work. If you find that is loose, please put it in place (Figure 16), then turn on the switch to confirm the power supply is normal or not. If you still can't solve the problem, please contact local dealer or e-commerce customer service to ask for help.

前两项排查完后如果还是没有改善，可以拧开螺丝打开船体盖进行检查，电子产品可能在运输过程中出现一些不确定因素导致线头与电路板松脱显现也有可能导致不通电，如发现线头松脱，可以将其装到位（图16），再打开开关确认供电有无异常，如还不能解决请联系当地经销商或电商客服帮其解决。



Figure 14 (图14)



Figure 15 (图15)

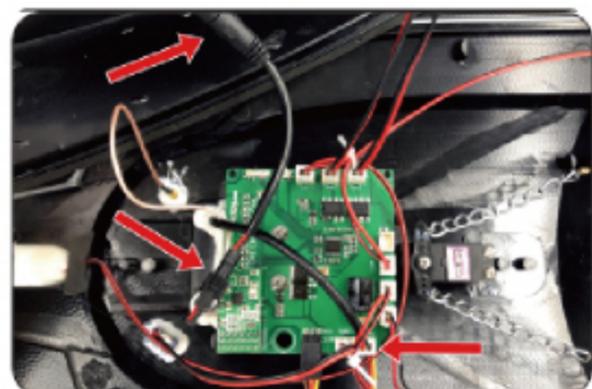


Figure 16 (图16)

## ◆ What should I do if the container can't work? 料斗打不开怎么办？

1. Try to turn on the switch of the bait hull (Figure 17), see if there is any sound from the steering gear. Also to check the pull-in and pop-up action of the pull rod (Figure 18). If the action is normal, then the pull-in action is not in place, you can use the diagonal pliers to cut a little bit of the front end of the pull rod (The length of cutting depends on the situation) (Figure 19).

先试一下打窝开关（图17），看舵机是否有响声，打窝拉杆是否有拉进弹出动作（图18），如果正常，那就是拉进动作不到位，可以用斜口钳将拉杆前端剪掉一点（剪掉多少视情况而定）（图19）。

2. If the steering gear reacts, but the pull rod does not respond. You can open the upper cover of the boat to check if the connecting chain of the steering gear and the pull rod is too long or not, or maybe it is disconnected. If it is this situation, just cut a little bit or reconnect it well (Figure 20).

如果舵机有反应，打窝拉杆无反应，可以打开船的上盖检查一下舵机和拉杆的连接链条是否太长，或者断开了，如果是，剪短一点点或者连接好（图20）。

3. If the steering gear does not work, you can open the upper cover of the boat and check if the connecting line between the circuit board and the steering gear is loose or not. If it is loose, connect it and that can be solved (Figure 21).

如舵机没有反应，可以打开船的上盖检查一下电路板与舵机的连接线有没有松脱，如有将其装配到位便可解决（图21）。



Figure 17 (图17)

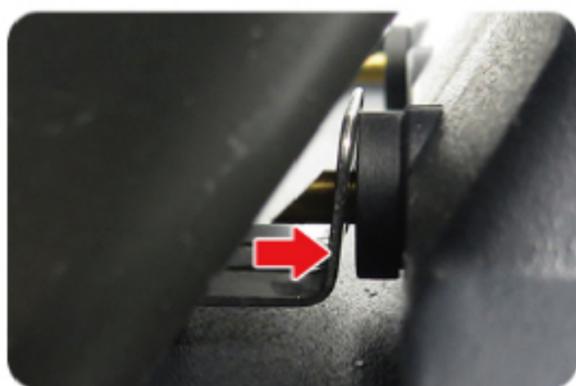


Figure 18 (图18)

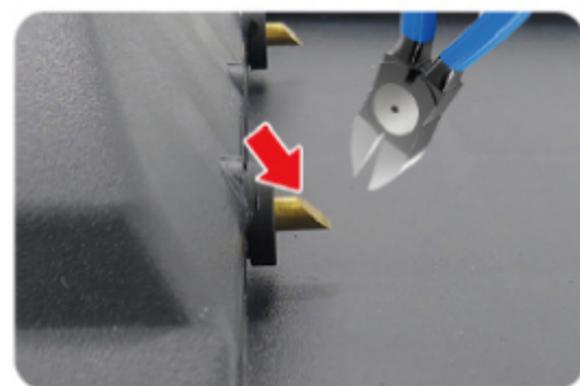


Figure 19 (图19)

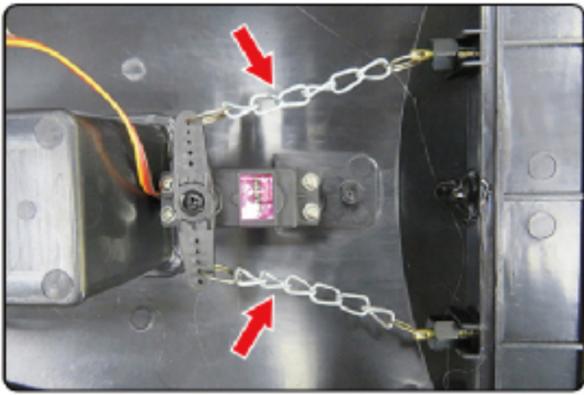


Figure 20 ( 图20 )

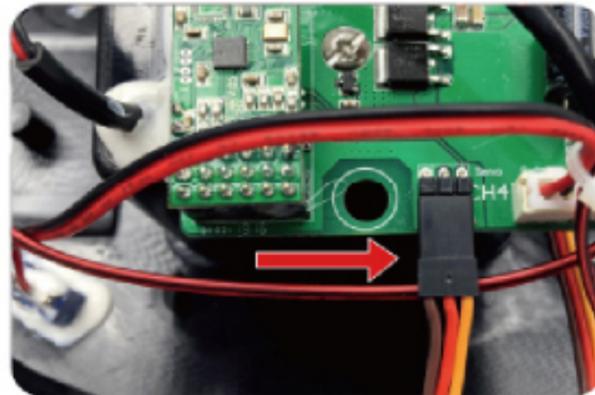


Figure 21 ( 图21 )

◆ What should I do if the the hopper bounces automatically?  
打开电源后料仓自动弹起怎么办？

1. It can be adjusted by turn the switch on and off. The turn on process cannot be so quickly and frequently, please turn it after three seconds or more. It will be normal after repeated several times (Figure 22).

通过拨动开关即可调整，拨动不可快速频繁，隔三秒以上拨动一次，反复几次之后，便不会弹起（图22）

2. If the above operation method does not work, can adjust the steering gear and pendulum. The steering gear has a power-on automatic reset function. After the power is turned on, it will return to the middle position. The steering gear will rotate left and right once and the pull rod will be driven, causing the silo to be bounced. During the production process, the production personnel will debug the pendulum to the best condition, and the silo will not be bounced normally. If it is still bouncing, open the cover and loosen the pendulum screw. Move the pendulum lever to the position to solve it (Figure 23).

如果上面的操作方法行不通，可调整舵机摆杆。舵机本身有一个通电自动复位功能，通电后舵机会回到中间位置，舵机摆杆会有一个左右转动一次动作，所以会带动拉杆，导致料仓弹起，生产过程中生产人员会对摆杆调试到最佳状态一般情况是不会弹起的。如有弹起可将船盖打开将摆杆螺丝松开将摆杆移一下位置便能解决（图23）。



Figure 22 ( 图22 )



Figure23 ( 图23 )

◆ What should I do if the boat unable to charge?  
充电充不进去怎么办？

1. Check if the charger is working properly (Figure 24).  
先检查充电器是不是工作正常（图24）。
2. Check if the charging port is connected correctly, and then check if the interface is poor contact (Figure 25).  
充电器连接电池充电口是不是插到位，再检查接口处接触正不正常（图25）。



Figure 24 (图24)



Figure 25 (图25)

◆ Turn on the remote controller and display red light.  
If the operation does not respond, what should I do?  
打开遥控器显示红灯，操作没有反应怎么办？

This is caused by the wrong operation of the remote controller into the error mode, push the throttle forward to the maximum ①, open the remote controller power switch ② without releasing, and then pull the throttle back to the maximum ③, at this time, the red light turns blue, and released the throttle and the normal mode is entered.

这是误操作导致的遥控器进入错误模式，向前推动油门扳手到最大程度①，不松开状态下打开遥控器电源开关②，再将油门扳手向后扣动到最大程度③，此时红灯变为蓝灯，松开油门扳手，即进入正常模式。



- ◆ When the controller slight adjustment function keys are in the default state, what should I do if the motor has unbalanced noise?

遥控器在微调功能键都是默认状态下，马达出现不平衡的噪音怎么办？

1. The default state of the four fine-tuning function keys of the remote controller is as shown in the figure. (The top two fine-tuning keys point to 0, and the lower two speed adjustment keys point to the maximum value of 100)

遥控器的四个微调功能键默认状态如图（上方两个微调键指向0，下方两个速度调节键指向最大值100）

① Confirm the four fine-tuning function keys of the controller are adjusted to the above default state;

② Turn the knob to the maximum. After turning on the power switch of the controller, release the steering knob.

③ Press the LED light control button. At this time, the blue light of the controller flashes. It is the state of entering the third channel. Push the throttle wrench back and forward repeatedly, turn the steering knob left and right, press the LED light control button, and the remote controller returns to the blue light is always on, it exits the third channel and can operate normally. Follow the above steps.

If this situation still occur, please follow the above steps to enter the third channel adjustment.

① 确认遥控器四个微调功能键调整到上述默认状态；

② 转向旋钮往前打到最大程度，打开遥控器电源开关后，松开转向旋钮；

③ 按一下LED灯光控制按键

此时遥控器指示灯蓝灯闪烁，是进入第三通道状态，重复多次前后推动油门扳手，左右转动转向旋钮，按下LED灯光控制按键，遥控器回到蓝灯常亮状态即退出第三通道，可正常操作。如按上述步骤完成仍会出现这个情况，请再次按以上步骤进入第三通道调整即可。





V500.01 防水草罩  
Propeller Cover



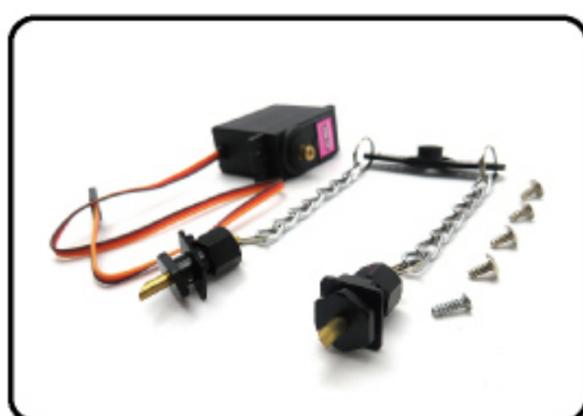
V500.02 天线  
Antenna



V500.04 双料仓配件组  
Bait Box Set



V500.05 船体把手  
Boat Handle



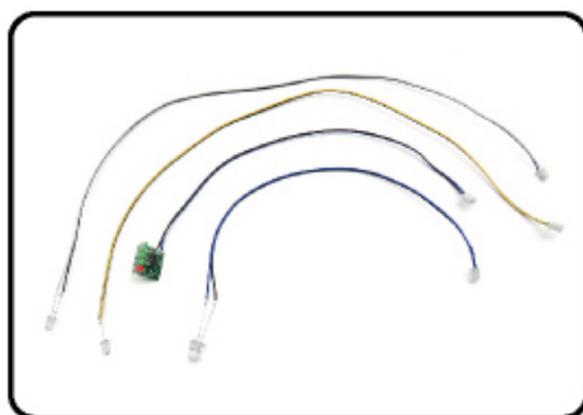
V500.06 舵机组  
Servo Set



V500.07 开关配件组  
Switch Accessory



2011-5.206 电池仓盖  
Battery Compartment  
Cover



V500.09 LED灯组  
LED Light Set



V500.10 电池  
Battery



V500.11 螺旋桨  
Propeller



V500.12 遥控器组件  
Remote Controller  
Components



V500.13 欧规充电器  
EU Plug Charger



V500.14 美规充电器  
US Plug Charger



V500.15 英规充电器  
UK Plug Charger



V500.16 正转马达(右)  
Forward Motor (Right)



V500.17 反转马达(左)  
Reverse Motor (Left)



V500.18 船外壳  
Boat Shell

◆ More details of the fault repair video, please check out our website: <http://www.iRctoy.com>

更详细的故障维修视频请查看我们的官网：<http://www.iRctoy.com>

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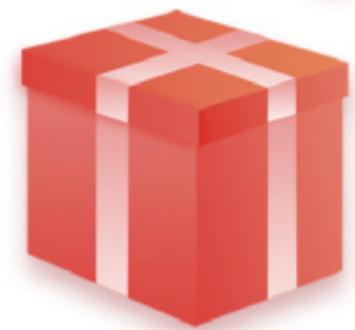


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