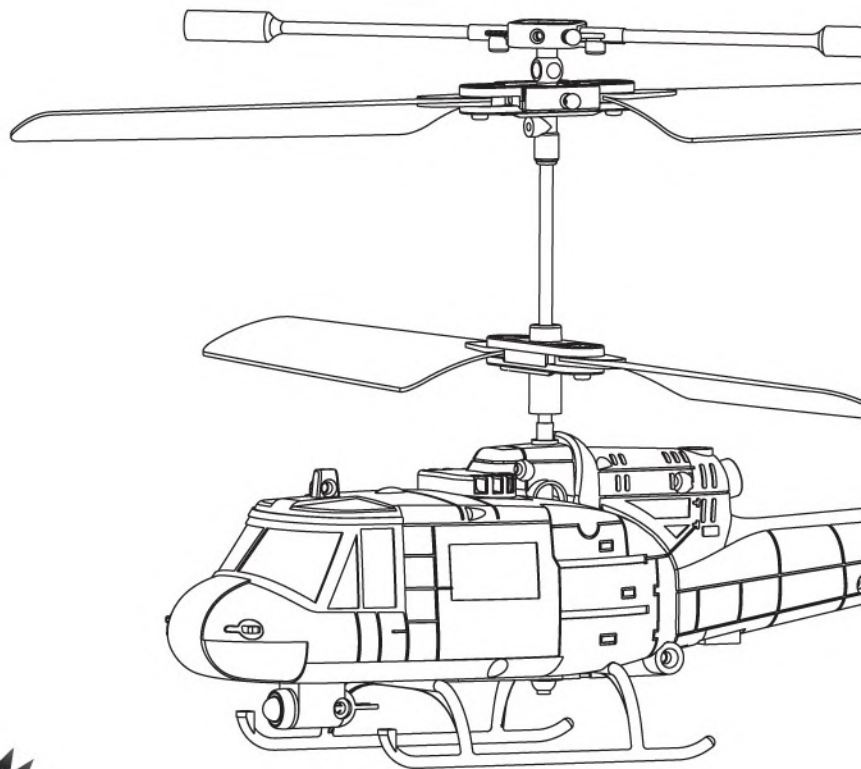


**AGE 14+**

# IR HELICOPTER USING INSTRUCTION

**S** *3.5-CHANNEL GYRO SYSTEM*  
**116G**

*INFRARED REMOTE CONTROL HELICOPTER*



To avoid copter's damage and player's injury, please read this instruction before flying!

## Safety regulations

1. Placed in small parts of the reach of children, to avoid accidents.
2. The blades of this helicopter is used activities blades, don't screw up.
3. The helicopter was powerful, should be gradually pushed up the remote control shift lever on the left for first flight, to avoid the surge caused the helicopter crash damage.
4. Should be turn off the power of controller first then turn off the power of the helicopter when finished flight.
5. Do not place the battery in high temperature, heating place(e.g: fire or electric heating devices)
6. Note that when the helicopter to keep the user or other persons from 2-3 m to avoid the helicopter flight, landing crashed into another person's head, face and body and so on.
7. Children should control the helicopter by adults in the guidance and ensure the helicopter control in manipulator (or guides) line of sight range, easy to control.
8. Non-rechargeable battery is not charging, installation the lithium battery, please note that the battery polarity. Do not mix old batteries and new batteries or different type batteries.
9. Should be turn off the power of the controller and helicopter when not in use.
10. Power terminal is not allow short circuiting.

## Ready to fly

1. Please recheck the ground, keep away from the crowds, animals and other barriers.
2. Turn the remote control on, after a while, the LEDs will be flashing. Push the motive handle must be pushed to the maximum control route of travel first, then adjust it to the lowest; When the remote control LEDs keep lighting, it means the helicopter is going to fly.
3. Move Power Switch on the helicopter the the "ON" position, after that, the power indicator will light up; Place the helicopter on the ground for some seconds, then the helicopter is going to fly.
4. Push the motive handle slowly, then the helicopter will fly up.

## Low volatage protection

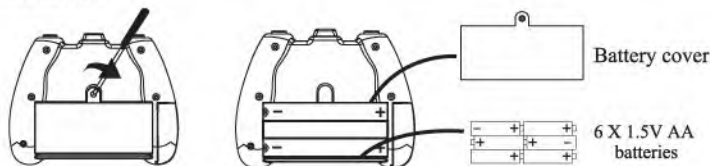
Low volatage protection: When the helicopter power is weak, helicopter control system will protect the battery and the power supply to the helicopter blades will be stopped.  
After low volatage protection, it can fly again if the helicopter charged.

## Maintenance

1. Cleaning the helicopter with clean and soft cloth.
2. Don't put the helicopter under the direct sun or strong lighting
3. Don't soak the toys in the warter, or the electronic parts will be destructed.
4. Check the plug and other spare parts at a scheduled time, if find some parts broken, please stopping using till the product in good condition.

## Assembly transmitter & helicopter charging

### Assembly transmitter



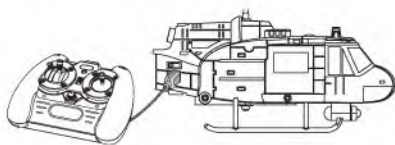
1. Install batteries: Open the cover of battery case, insert 6 batteries (size AA) properly followed by polar indicator, shut the cover of battery case.



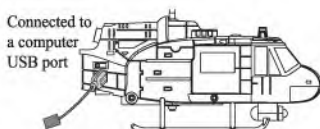
1. Install batteries carefully.
2. Do not mix old and new batteries.
3. Do not mix different types of batteries.

### Battery-Helicopter

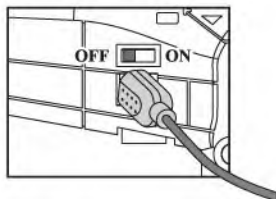
#### A. Controller charging



#### B. USB charging



While charge, pull out the switch of the helicopter to "OFF" position up.



1. Move the power switch on the helicopter to the "OFF" position.
2. **Charging way A:** Put down the charging wire cover of the back controller and put out the charging wire, then put into the interface of the helicopter, the yellow light on the controller will change red. The charging time is about 40~50 minutes. The glisten red light will to change normal light. Then the helicopter is fully charged.

**Charging way B:** Put the USB charging wire into the computer USB interface, the charging wire will be light. Put the other side of USB charging wire into the helicopter's interface, USB charging wire light will be turn off. The charging time is about 40~50 minutes. Charging wire light will turn on. Then the helicopter is fully charged.

**Charging time :can be 40~50 minutes flying about 5 minutes.**

- Helicopter is equipped with a Li-Poly battery, please also pay attention to the following cautions or safety use.
- Do not use or leave the battery near a heat source such as fire or heater. Otherwise it will cause damage or explode.
- Do not use the battery slam or beating hard surface.
- Do not immerse the battery in water, and keep the battery in a cool dry place.
- Charger included with the product can only be used for the product charge.
- Do not disassemble the battery.
- Never leave the battery unattended during charging.



## Helicopter control ways

Turn left



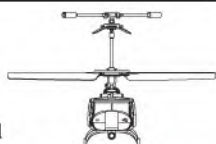
Push the rudder stick toward left to turn counter clockwise.

Ascend



When you push up the left stick (throttle) the speed of the main rotor blade will increase and the helicopter will go up.

Descend



When you pull down the left stick (throttle) the speed of the main rotor blade will decrease and the helicopter will go down.

Rotates Clockwise



When the helicopter tail presents the clockwise rotation, you may the counterclockwise rotation you in the hand the remote control vernier adjustment knob until balanced.

**The tail fin aim at the operator.**

Forward



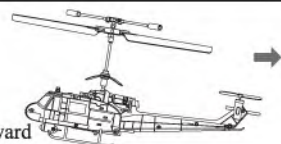
When you push up the right control lever (steering rudder), the nose incline to down, the helicopter is moving to forward.

Turn right



Push the rudder stick toward right to turn clockwise.

Backward



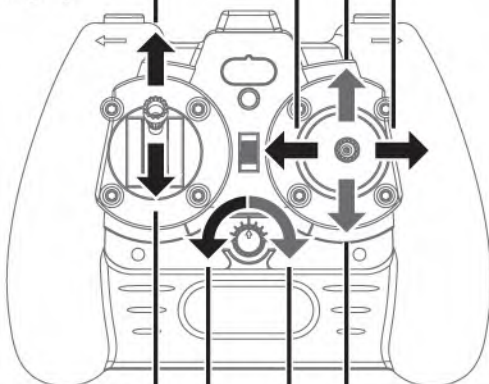
When you push down the right control lever (steering rudder), the nose incline to up, the helicopter is moving to backward.

Rotates Anticlockwise



When the helicopter tail presents the counterclockwise rotation, you may the clockwise rotation you in the hand the remote control vernier adjustment knob until balanced.

**The tail fin aim at the operator.**



## Maintenance program

Problem	Cause	Check this
No reaction from the helicopter	<ol style="list-style-type: none"> <li>1. Not enough power for the helicopter.</li> <li>2. Not enough power for the controller.</li> <li>3. The channel was different from helicopter and the controller.</li> <li>4. The gyro of the helicopter can't find out the right point.</li> </ol>	<ol style="list-style-type: none"> <li>1. Should be charging for the helicopter.</li> <li>2. Change new batteries instead.</li> <li>3. Make sure the same channel from helicopter and the controller.</li> <li>4. Move the helicopter onto the flat ground, when the gyro receive the signal, then open the controller.</li> </ol>
Not reaction from the helicopter when was fly	<ol style="list-style-type: none"> <li>1. By sunlight or intense light irradiation effects.</li> <li>2. Have the same frequency remote control transmitter.</li> </ol>	<ol style="list-style-type: none"> <li>1. Move the helicopter onto without sunlight or intense light.</li> <li>2. Not the same for a launch interference.</li> </ol>

## Spare parts list

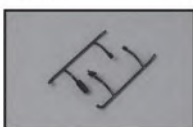
Order by item number from local distributors.



**S116G-01**  
Airframe



**S116G-02**  
Main frame



**S116G-03**  
Ascend and descend



**S116G-04**  
Main blades



**S116G-05**  
Tail blade



**S116G-06**  
Connect buckle



**S116G-07**  
Upper blades grip set



**S116G-08**  
Lower blades grip set



**S116G-09**  
Decoration



**S116G-10**  
Balance bar



**S116G-11**  
Gear A



**S116G-12**  
Gear B



**S116G-13**  
Main shaft



**S116G-14**  
Motor A



**S116G-15**  
Motor B



**S116G-16**  
Tail motor set

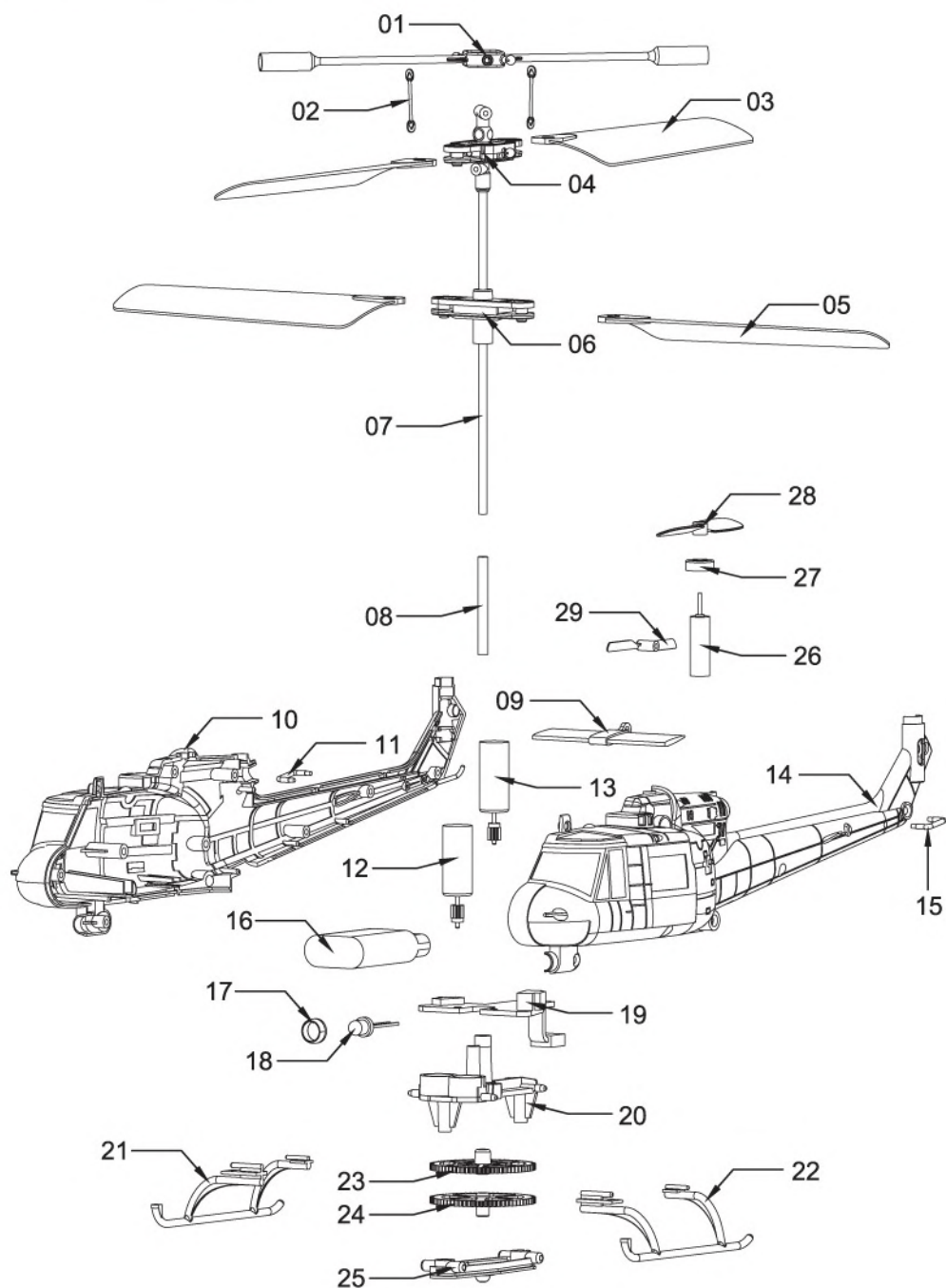


**S116G-17**  
3.7V Li-Poly



**S116G-18**  
Circuit board

# Graphic detail

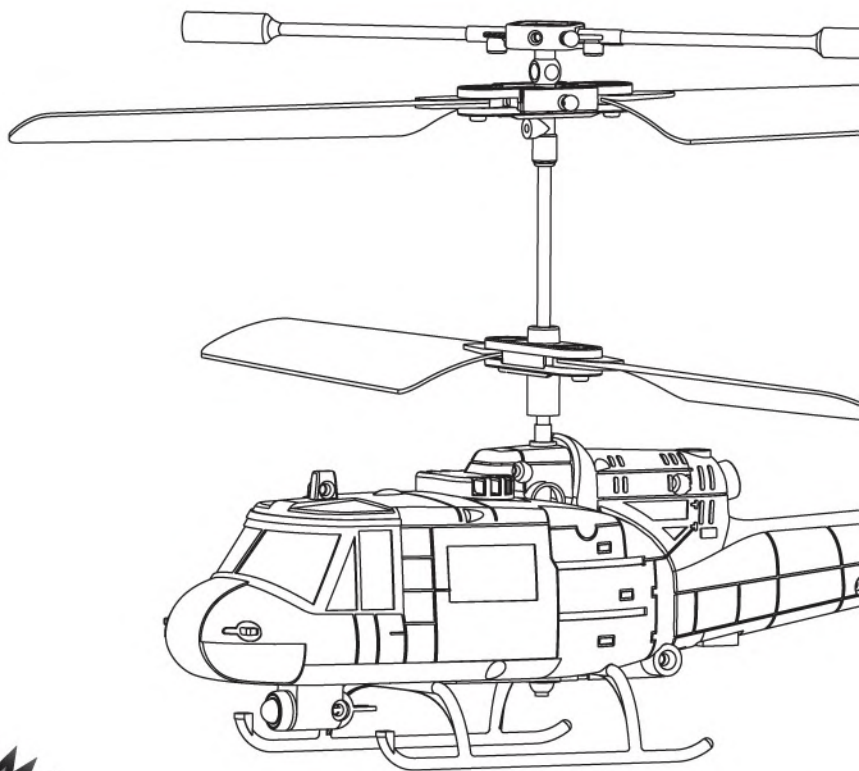




AGE 14+

# 遥控直升机使用说明书

三通道陀螺仪遥控系列  
**S116G**  
红外线遥控直升机



为了避免直升机的损坏、伤及自己或他人，在使用之前，请仔细阅读本说明书。



## 安全守则

1. 请将直升机较小零部件放置于小孩不能触及的地方，避免发生意外。
2. 本直升机风叶均采用活动风叶，切勿将其拧紧。
3. 本直升机动力十足，首次飞行时应慢慢推高遥控器左手边变速操纵杆，避免直升机急速上升而导致碰撞损坏。
4. 飞行结束后，应先关闭遥控器电源，再走近直升机关闭飞机电源。
5. 切勿将电池放在高温、受热的地方（如火中或电热装置附近）。
6. 注意直升机飞行时与使用者或其他人保持2-3米的距离，避免直升机飞行、降落时撞向他人的头部、脸部或身体等。
7. 儿童操控直升机时应由成年人在旁指导并确保直升机控制在操纵者（或指导者）的视线范围内，方便控制。
8. 非充电电池不可充电，安装或更换电池时请注意极性；不可混用新旧或不同类型的电池。
9. 不使用时应关闭遥控器及直升机电源，并取出遥控器内的电池。
10. 电源端子不得短路。

## 预备飞行

1. 检查场地，远离人群、动物、及其他障碍物。
2. 将直升机的电源开关由“OFF”拨向“ON”处，这时探照灯亮起，直升机的状态指示灯快速闪烁；将直升机平放在地上几秒后，直升机即可进入预备起飞状态。
3. 打开遥控器电源开关，这时遥控器的状态指示灯呈闪烁状态，然后向上推动上升/下降变速操纵杆到最顶，再将其拉回最低端；遥控器的状态指示灯呈常亮，表示遥控器已进入预备起飞状态。
4. 慢慢推动上升/下降变速操纵杆，即可将直升机起飞。

## 低电保护

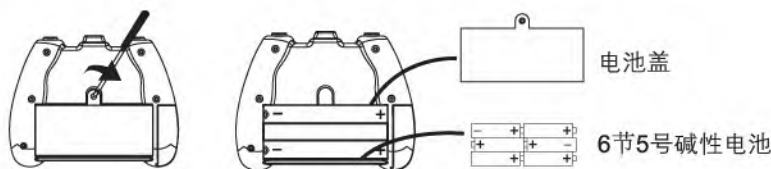
低电保护：当直升机电池电量较低时，直升机控制系统会对电池进行保护，停止直升机旋翼的供电；低电保护后，需对直升机充电才可重新飞行。

## 保养及维护

1. 常用干净软布清洁此产品。
2. 避免此产品在阳光下暴晒或受热。
3. 切勿将些玩具浸在水中，否则会令电子零件受损。
4. 定期检查插头及其它配件，如发现任何损坏，请马上停止使用，直到完全修复。

## 组装遥控器及直升机充电

### 组装遥控器



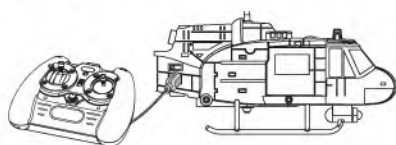
1. 电池的安装方法：打开电池盖依照电池箱内的电极指示正确的装6节“AA”电池再盖上电池盖。



1. 装电池时必须认准正负极与电池盒正负极，切不能装反。
2. 请勿混合使用新旧电池。
3. 请勿混合使用不同种类的电池。

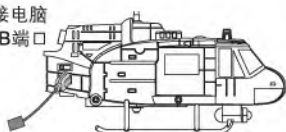
### 直升机电池充电

#### A. 遥控器充电



#### B. USB充电

连接电脑  
USB端口



1. 打开遥控器开关，将直升机上的开关拨到关的位置。
  2. 充电方法“A”：拉下遥控器上的充电门盖并取出充电线，然后将充电插头连接到飞机的充电口上，遥控器上黄灯变为红灯；充电时间约40~50分钟；遥控器上的红灯变为常亮黄灯时充电完成。
- 充电方法“B”：将USB充电线插入电脑USB端口，此时充电线灯亮；将USB充电插头连接到飞机的充电口上，此时充电线上的灯灭；充电时间约40~50分钟；充电线上灯亮时充电完成。

**充电时间40~50分钟可飞行约五分钟以上！**

- 此产品配备内置锂电池，使用时要注意以下安全事项。
- 切勿把带电电池放在高温受热的地方，如明火或电热装置，否则会发生损坏或爆炸。
- 切勿用电池撞击或敲打硬质物体表面。
- 切勿把电池浸入水中，电池应存放在干燥的地方。
- 只能用产品附带的充电器为产品充电。
- 切勿分解电池。
- 充电时人员切勿离开。

# 直升机操控指引

左转



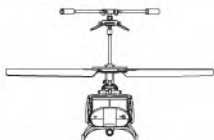
将方向杆推左边直升机便会逆时针转。

前进



当右操纵杆（转向舵）向上推，直升机机头微微向下。直升机向前前进。

上升



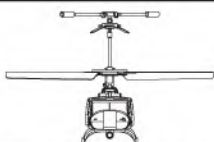
当直升机飞行稳定时，你可以慢慢地将变速杆向上推，直升机便会飞高。

右转



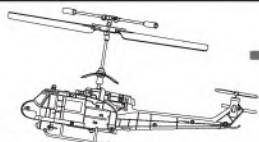
将方向杆推向右边直升机便会顺时针转。

下降



当直升机飞行稳定时，你可以慢慢地将变速杆微微拉下，直升机便会向下飞行。要平稳飞行，只需微微控制变速杆。

后退



当右操纵杆（转向舵）向下推，直升机机头微微向上；直升机向后退。

顺时针转



当直升机机尾出现顺时针旋转时，你可以逆时针旋转你手中遥控器微调旋钮直至平衡。

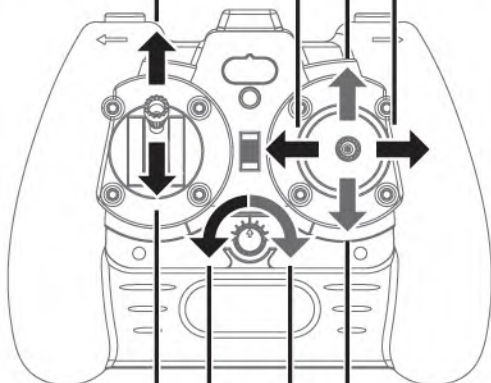
\*机尾朝向操控者。

逆时针转



当直升机机尾出现逆时针旋转时，你可以顺时针旋转你手中遥控器微调旋钮直至平衡。

\*机尾朝向操控者。



## 检修程序

问 题	原 因	解 决 办 法
直升机没有反应	1. 直升机电量不足。 2. 遥控器电量不足。 3. 遥控器的通道选择与直升机对码不一致。 4. 直升机陀螺仪没有找到中点。	1. 对直升机进行充电。 2. 更换遥控器电池。 3. 调整遥控器直升机通道，使其一致。 4. 将直升机平放在地上，待直升机陀螺仪打到中点后再启动遥控器。
直升机飞行反应不灵敏	1. 受阳光或强烈光线照射影响。 2. 有相同频率的遥控器在发射干扰。	1. 将直升机移至没有阳光或强烈光线照射的地方。 2. 换一个没有相同频率发射干扰的地方。

## 配件（选购）

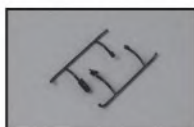
下列是可供选择的配件，为方便客户选购，特出每个部件。可通过当地的经销商购买配件。



S116G-01  
机身



S116G-02  
主架



S116G-03  
起落架



S116G-04  
主风叶



S116G-05  
尾风叶



S116G-06  
连接扣



S116G-07  
上风叶夹



S116G-08  
下风叶夹



S116G-09  
饰件



S116G-10  
平衡杆



S116G-11  
齿轮A



S116G-12  
齿轮B



S116G-13  
主轴



S116G-14  
主电机A



S116G-15  
主电机B



S116G-16  
尾电机



S116G-17  
电池



S116G-18  
接收板



