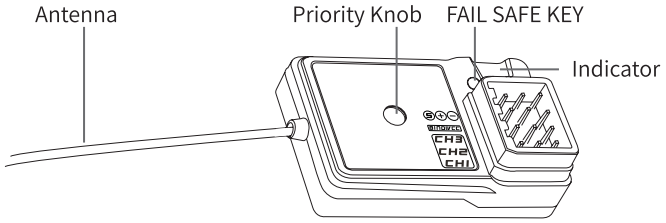
FS-BS3 Instruction For Use

Introduction

FS-BS3, a gyro-embeded receiver, has 3 channels. In addition to the regular functions, it can also provide a smart vehicle control (S.V.C.) function, that makes sure the car travels in the expected direction on bumpy/slippery surfaces, or during cornering.

Receiver Overview



Operation Instructions

Binding

1. Turn on the transmitter, check the RF standard and if necessary, change it to [**AFDHS**]. For detailed instructions, refer to the transmitter's manual.
2. Set the transmitter to bind mode. For detailed instructions, refer to the transmitter's manual.
3. Make sure the receiver is powered off.
4. Connect the bind cable to the **BIND/VCC** port on the receiver. Then connect the power to any other ports on the receiver. The red indicator will start to flash rapidly, indicating that the receiver is in bind mode.
5. Wait till the indicator stops flashing. Once the indicator has stopped flashing, the binding process has been completed.
6. Disconnect the bind cable and power from the receiver. Then connect the power to the **BIND/VCC** port.
7. Check if all the servos work as expected. If anything does not work as expected, restart this procedure from the beginning.

S.V.C. Function

This function has two uses, the first, is to keep the model moving in a straight line by correcting the steering, when going over bumps or slippery surfaces. The second, is to reduce throttle during cornering in order to prevent the model from spinning out and to increase the speed coming out of a turn.

Activating/Deactivating S.V.C. Function

1. Disconnect the power from the receiver.
2. Connect the bind cable to the CH3 port on the receiver.
3. Hold the FAIL SAFE KEY and then connect the power to the BIND/VCC port. Then the red indicator flashes in a pattern of two flashes, indicating the function is active.

Note:

- **If the S.V.C. function is active, the receiver has a 2 second startup time, during which the receiver must be placed on a level surface.**

Setting the Reverse Function

After installing the receiver, rotate the car to check if the wheels turn to the correct direction. If you rotate the car to the left, the wheels shall turn right, and if the you rotate the car to the right, the wheels shall turn left. If the wheels does not respond properly, follow the steps below to reverse the direction:

1. Disconnect the power from the receiver.
2. Connect the bind cable to the CH3 port on the receiver.
3. Connect the power cable to the BIND/VCC port. Then the red indicator flashes in a pattern of two flashes and a pause, indicating the direction has been reversed.
4. Check the wheels again and make sure they move as expected.

Setting the Priority

The priority setting controls how much correction will be applied when steering left or right. The higher the value, the larger the correction.

To change the priority, rotate the priority knob in the middle of the receiver with the supplied tool. Turn the knob counterclockwise to reduce the value and clockwise to increse the value.

Setting the FailSafe Position

1. Make sure the transmitter and receiver has been bound, and are working properly.
2. Adjust the throttle trigger and steering wheel to the failsafe position and then hold the FAIL SAFE KEY.

   The red indicator flashes in a pattern of five flashes and a pause, indicating the setting is finished.

After setting the fail safe position, if the receiver loses signal, the car will continue moving in the set fail safe position.

For more operation instructions, refer to the transmitter's manual.

Specification

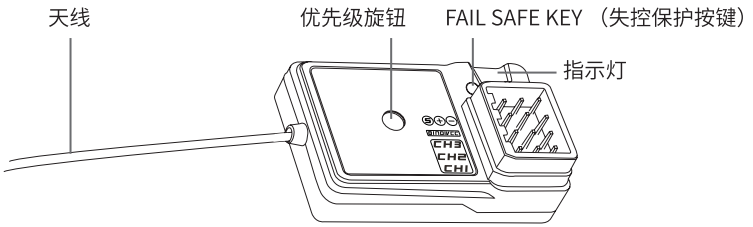
Channels	3
Frequency range	2.405 to 2.475GHZ
Band number	140
RF consumption	Lower than 20dBm
2.4G	ASHDS
Model type	Car/boat
Code type	GFSK
Power input	4.0 to 6.5V DC
Antenna length	26 mm

FS-BS3 使用说明书

简介

FS-BS3 是一款带陀螺仪的接收机，它支持三个通道，除了提供接收机的一般功能，还可以进行 S.V.C.（Smart Vehicle Control 智能车辆控制）相关设置，实现对车辆的智能控制 , 即使在颠簸路况或急剧转弯时，也能够保证车辆在预期的方向急速行驶。

接收机概览



对码

1. 打开发射机电源，确认或更改其 RF 标准为 [AFDHS]。具体操作方法请参见发射机使用说明书。
2. 使发射机进入对码状态。具体操作方法请参见发射机使用说明书。
3. 确认接收机未连接电源。
4. 将对码线连接到接收机上的 BIND/VCC 接口。然后将电源连接到接收机上的其他接口。接通后红色指示灯快速闪烁，接收机进入对码状态。
5. 接收机指示灯转为红色常亮时，表示对码成功。
6. 将对码线和电源从接收机上断开。然后重新将电源线连接到 BIND/VCC 接口。
7. 检查发射机、接收机、模型是否正常工作。如有异常，重复以上步骤重新对码。

S.V.C 功能

S.V.C. 功能可通过油门和方向通道对车辆进行智能控制，即使在颠簸路况下或急剧转弯时，也能够保证车辆在预期的方向急速行驶。

开启 / 关闭 SVC 功能

1. 确认接收机电源未连接。
2. 将对码线连接到接收机上的 CH3 接口。
3. 长按 FAIL SAFE KEY 的同时，将电源连接到接收机上的 BIND/VCC 接口。此时红色指示灯闪烁两次后短暂熄灭，然后重复该闪烁模式，表示功能已开启或关闭。

注意 :

S.V.C. 功能开启后，接收机开机后需要将其水平静置 2 秒钟，待陀螺仪完成自检后，方可正常使用。

调节正逆转

接收机安装到车身以后，转动车体，观察车轮矫正方向是否正确。向左转动时，车轮应向右矫正；向右转动时，车轮应向左矫正。如车轮反向矫正，请按照以下步骤进行正逆转设置：

1. 断开接收机电源。
2. 将对码线连接到接收机上的 CH3 接口。
3. 将电源连接到接收机上的 BIND/VCC 接口。此时红色指示灯闪烁两次后短暂点亮，然后重复该闪烁模式，表示方向已调整为与当前相反的方向。
4. 再次观察车轮矫正方向，确保与预期方向一致。

优先级设置

优先级用于设置车辆转向时方向感度的矫正比例。数值越大，矫正就越明显。您可以通过转动接收机中部的旋钮来调整，逆时针转动减小数值，顺时针转动增大数值。

失控保护设置

1. 确认接收机与发射机对码成功，并处于正常工作状态。
2. 将油门和方向调整到合适的失控保护位置，同时长按 按钮。
   接收机上的红色指示灯快速闪烁五次后常亮，表示失控保护设置成功。

设置成功后，如果发射机和接收机信号丢失，汽车将按照所设置的油门和方向行驶。

更多操作相关信息，请参见发射机使用说明书。

接收机规格

通道个数	3
频率范围	2.405-2.475GHZ
波段个数	140 个
发射功率	不高于 20dBm
2.4G	第一代自动跳频数字系统
4 适合机种	车、船
编码方式	GFSK
输入电源	4.0-6.5V DC
天线长度	26 毫米