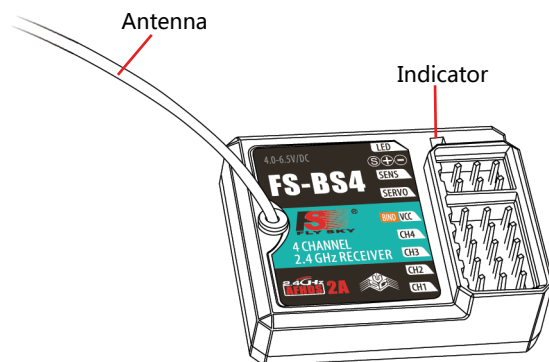


Introduction

FS-BS4, a gyro-embedded receiver, has 4 channels. In addition to the regular functions, it can also be used with a transmitter with S.V.C. (Smart Vehicle Control) function to realize a smart control over the car and make sure the car travels in the expected direction even 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 2A 2-way]**. 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 starts to flash rapidly, indicating that the receiver is in bind mode.
5. Wait till the indicator stops flashing, which means binding is finished.
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.

The following parameters can be set for the S.V.C. function:

Neutral Calibration

Calibrates the S.V.C. functions neutral position. To calibrate touch this option and wait 2.5 seconds.

Reverse: Nor/Rev

Reverse is used to flip the direction of the correction. 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 turn right, and if you rotate the car to the right, the wheels turn left.

Steering Gain

Steering gain is how much the system will automatically correct the steering to bring the vehicle back into a straight line. Adjusting the value changes the amount of correction applied by the system, 0% being the minimum and 100% being the maximum.

Throttle Gain

Throttle gain changes how much the throttle is reduced during cornering, acting much like traction control in a full sized car. Once the car begins to drive, the throttle instantly adjusts to prevent spinout, which means less wheel spin on slippery surfaces and faster acceleration out of corners.

Priority

The priority setting controls how much correction will be applied during over/understeer. The higher the value, the larger the correction. When set to 100%, the steering's full range of travel is available for correction, however when set to 0% the correction will not adjust steering.

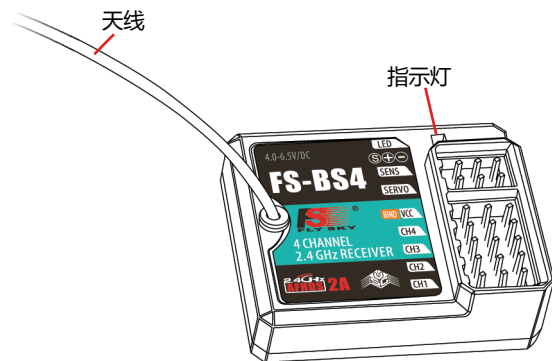
Specification

Channels	4
Frequency Range	2.4055 to 2.475GHZ
Frequency Band	140
RF Power	Lower than 20dBm
2.4GHz System	ASHDS 2A
Model Type	Car/boat
Code Type	GFSK
Power Input	4.0 to 6.5V DC
Antenna Length	26 mm

简介

FS-BS4 是一款带陀螺仪的接收机，它支持四个通道，除了提供接收机的一般功能，还可和具备 S.V.C.（智能车辆控制）功能的发射机共同使用，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 2A 双向]。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.

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。

在 S.V.C. 菜单下，可以进行以下设置：

中位校准

用于接收机校准方向油门中位，使车辆正常行驶时发挥最佳行驶状态。当打开 S.V.C. 功能前需将车辆的方向舵量，中位微调，油门中位调至最佳行驶状态，完成后打开 S.V.C. 功能点击中位校准进入校准界面约 2.5 秒自动退出后即可使用 S.V.C. 功能。

（校准过程中接收机 LED 灯快闪 3 次... ..）

注意：每次改变微调后都将进行中位校准，中位校准过程中方向油门需置中位静止，待完成方可操作。

正逆转

用于切换智能控制方向车轮的校正方向。车辆行驶前转动车体，观察车轮校正方向是否正确。向左转动时，车轮应向右矫正；向右转动时，车轮应向左矫正。

方向感度

用于矫正车轮在预期方向行驶，系统检测车身将发生转动时，会自动通过车轮矫正车身。方向感度为调节系统对车轮的矫正力度，设置范围为 0% 到 100%，当车辆行驶时出现方向左右摆动时可将该力度降低，矫正力度不足时增加。

油门感度

在车辆转弯时，若速度太快，可能会导致甩尾或侧翻。开启功能后，油门扳机未松的情况下，系统会自行降低油门，使其能够快速安全地转弯。减速力度为 0% 到 100%。

优先级

优先级用于设置车辆转向时方向感度的校正比例，即转弯半径。当打方向手轮至最大行驶转弯时，数值为 0% 转弯半径最大，当数值为 100% 时转弯半径最小。

接收机规格

通道个数	4
频率范围	2.4055-2.475GHZ
波段个数	140 个
发射功率	不高于 20dBm
2.4GHz 系统	第二代增强版自动跳频数字系统
适合机种	车 / 船
编码方式	GFSK
输入电源	4.0-6.5V DC