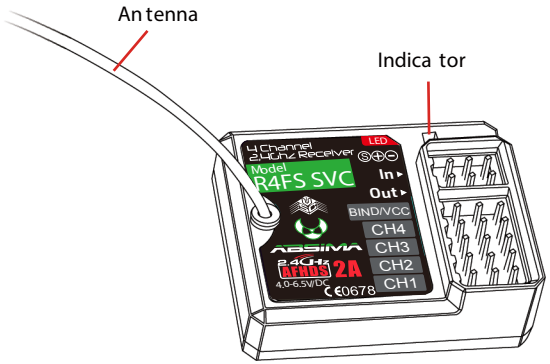
Introduction

R4FS SVC , a gyro-embeded 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. Then go to the menu „Bind with a receiver". Press it and a new screen is coming up, press yes.
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 the you rotate the car to the right, the wheels turn left.

Steering Gain

Steering gain is how much the system will automaticly correct the steering to bring the veiche l 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.

Attention: If the SVC function is on channel 1 and channel 2 activated then the channels 3 and 4 have no function.

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

Absima GmbH
Gibitzenhofstr. 127A / RG
90443 Nürnberg
Germany
Phone: +49 (0) 911 / 65084130
www.absima.com