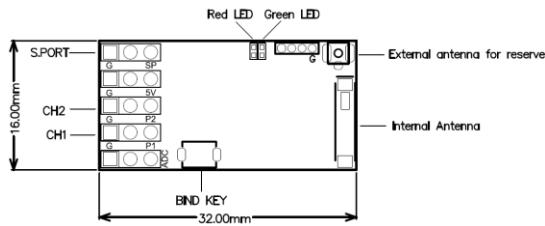


# Instruction Manual for TKO Wireless Receiver

## Overview

The TKO wireless Receiver is a 2.4Ghz RF receiver; It is tiny receiver designing for surfboard enthusiasts. There are two LEDS are used to indicate RF connecting state. One tactile switch is used for binding.



## Specifications

- Operating system: uComicrium\_OS
- Number of channels: 2 channels
- Operating voltage range: 3.5-10V
- Operating current: <100mA
- Operating Temperature: -20°C ~ 60°C (-4°F ~ 140°F)
- Servo frame rate: 9ms (HS-- High Speed Mode) / 18ms (FS--Normal Speed Mode)

## Features

- Higher precision PWM
- Low latency PWM output
- Smart port enabled and telemetry data transmission supported
- Upgraded with FRK protocol
- Internal ceramic antenna, external IPEX antenna supported
- PCB protection with the conformal coating craftwork

## Working state

Green LED	Red LED	Status
On	On	Bind
On	Flashing	Binding successfully
On	Off	Working under HS Mode
On	Off	Working under FS Mode
Off	Flashing	Failsafe

### Note:

1. X meanings neglect.
2. The default output of RX6R is standard SBUS signal (1-16CH). Hold Bind button for about 5 seconds, CH16 will output RSSI. Repeat the steps above, the value of Channel 16 will output CH16.

Frequency Band: 2.4G: 2404.27-2473.27 MHz

Modulation Type(s): FSK

Antenna type(s): 2.85dBi

Antenna Designation: Ceramic antenna

## FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.