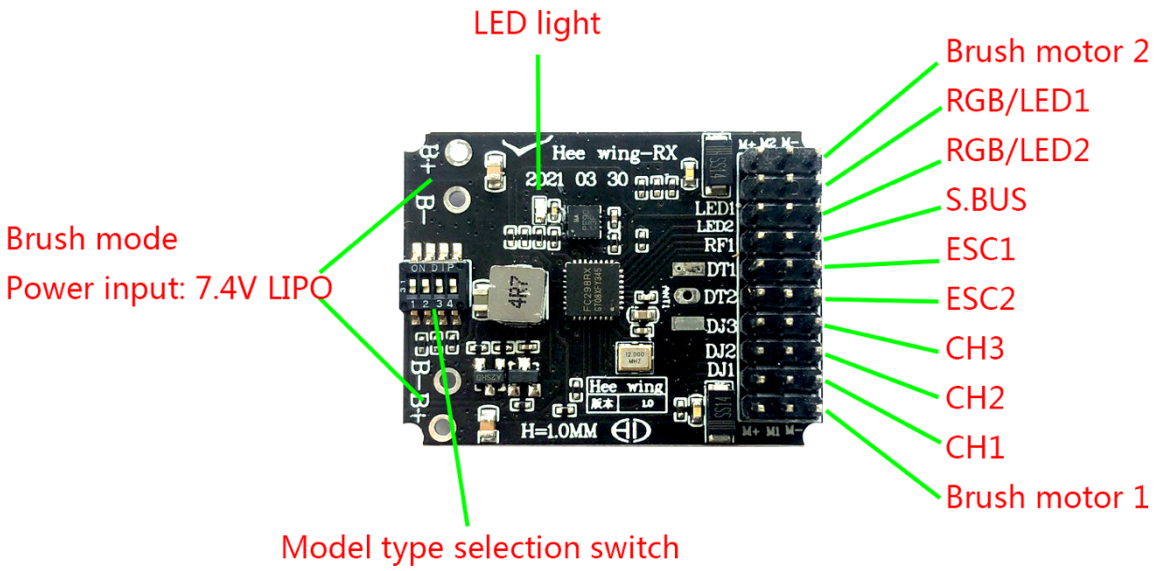
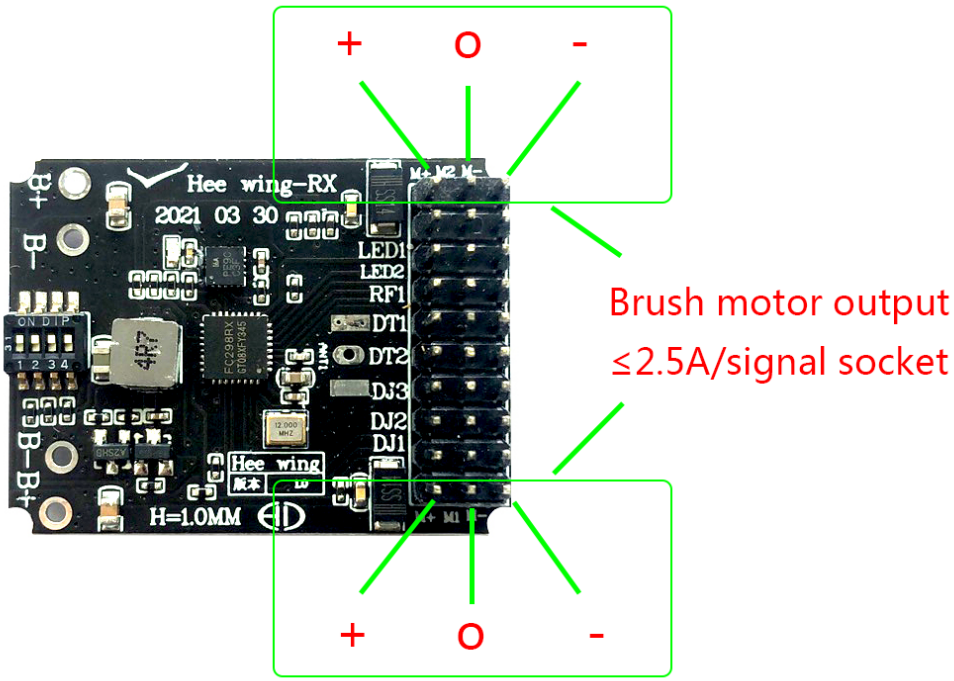
HEE WING RX-1.0 User Manual

Connection description

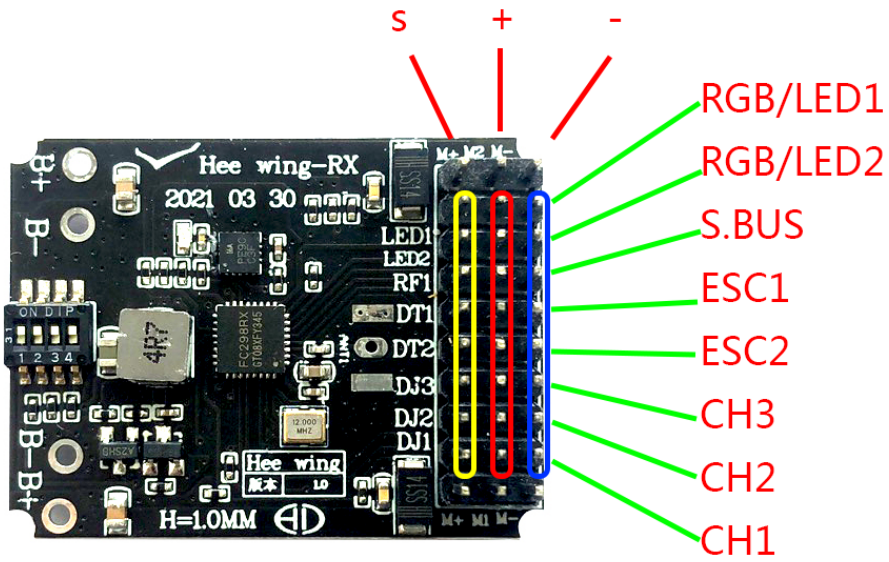


Version: 1.0

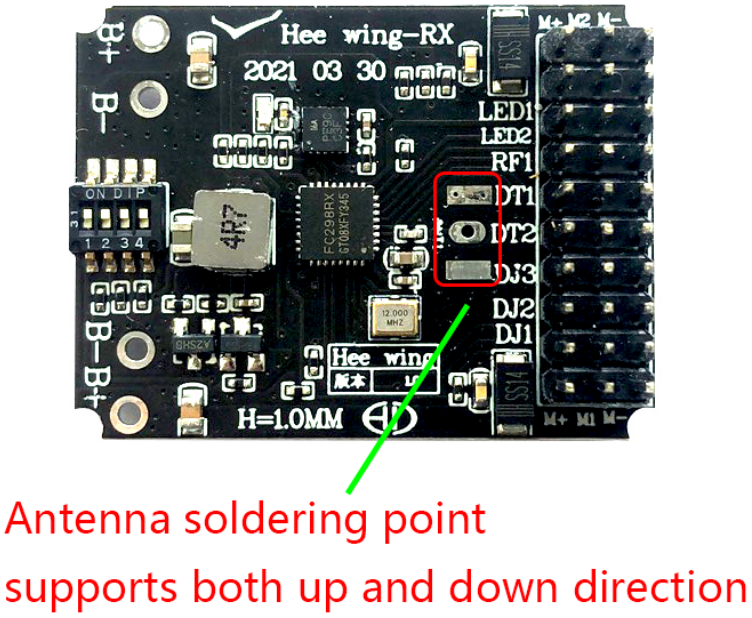
HEE WING RX-1.0 has 2 of build-in circuit of brush ESC, it supports 2S input and output brush power. Each circuit output current ≤2.5A



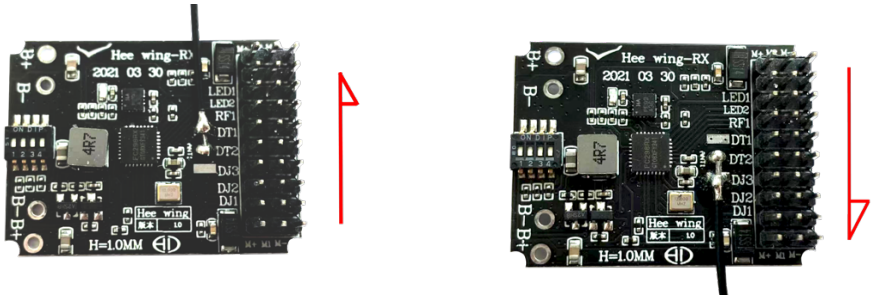
HEE WING RX-1.0 supports external S.BUS signal input, total have 3 servos and 2 ESC output. Supports LED output and RGB variable light switch control.



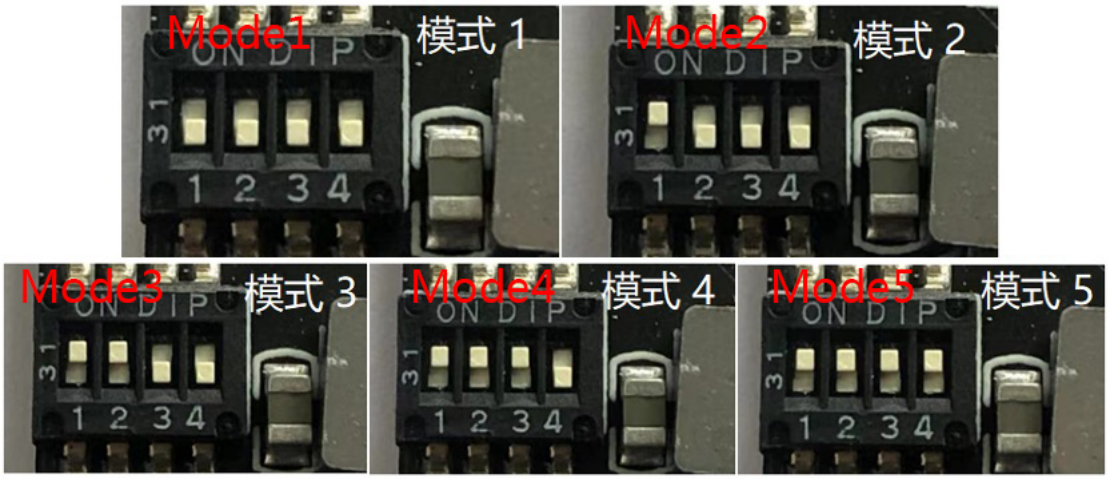
HEE WING X6 Radio can bind with HEE WING RX-1.0 directly



Solder antenna supports both direction up or down as figure below：



Switch function：



01. Flying wing mode 1, dual servos mixing mode, suit for HEE WING F-01 wing type(Servo will correct along same clockwise direction)
02. Flying wing mode 2, dual servos mixing mode, suit for FTC HUNTER 680 wing type(Servo will correct along same anticlockwise direction)
03. General airplane 1, Elevator and Aileron independent control, no Rudder(servo will correct along same clockwise direction)
04. General airplane 2, Elevator and Aileron set reversed
05. General airplane 3, Elevator set reversed

Channel 5: Safety throttle lock,when use a button switch: Press once to unlock, press again to lock. When use a 2-pos switch: High position lock, low position unlock;When use a 3-pos switch: High position lock, middle position unlock, low position unlock. In locked mode, the throttle cannot be operated. The gyroscope stops working, the servo is fully restored to its neutral position. After unlocking, it will automatically enter takeoff assist mode. In this mode, the aircraft automatically maintains the aileron level attitude. The nose was raised 25° and continued to climb. When the lift or aileron movements exceeds 20%, the takeoff assist mode is released. The aircraft resumes its current flight mode.
No channel input is unlocked by default.

Channel 6: Flight mode. When use a button switch :Press once to switch mode; When use a 2-pos switch, it is divided into: self-stabilization mode/ aerobatics mode(for offset correction)
When using the 3-pos switch, it is divided into: self-stabilization mode/ aerobatics mode/ aerobatics mode.
In the auto-stabilization mode, when the remote controller is no operate, the aircraft will automatically stabilize the flight according to the attitude and level attitude.The maximum tilt angle of the aileron is 60° .The maximum pitch angle is 35° ;In acrobatics mode, there is no limit to the aileron and lift angle.When the remote controller is not in operation, the aircraft will only maintain the current attitude and will not automatically restore the horizontal attitude.
No channel input defaults to auto-stabilization mode.

Channel 7: Lamp light color option. When use a button switch :Press once to switch color; When use a 2-pos or 3-pos switch,switch from high position to low position is one time change, Once cycle to change one color. The last time is off the indicator light.
No channel input defaults to Red.

Channel 8: Sensitivity switch.
Button switch :Press once to switch the sensitivity(High sensitivity; low sensitivity)
2-position switch:High position is low sensitivity, low position is high sensitivity
3-position switch:The high position is low sensitivity, the middle position is medium sensitivity, and the low position is high sensitivity.
Sensitivity of lift and aileron change on proportional relationship.
No channel input defaults to medium sensitivity

Calibration:

1. Horizontal attitude calibration: In any mode, push both sticks to the bottom inner or outer comers 5 seconds to enter calibrate mode. After Servo reset, FC will start to memory the current attitude of plane, then start to routine self-inspection, the horizontal attitude calibration is completed after the self-inspection.

2. Throttle travel setting: Switch on the transmitter first, switch throttle safety lock mode off, and move the throttle stick to the top position to enter the calibration mode, then power on the plane to calibrate. After calibration, switch on safety lock mode.