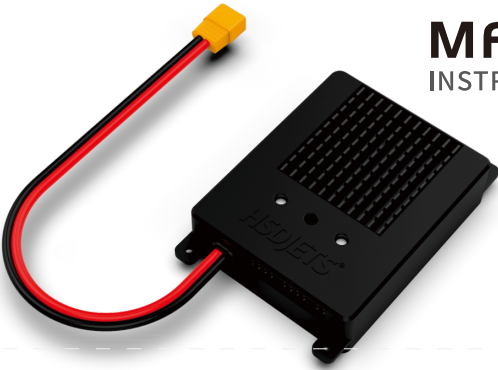


## MFC-2065 INSTRUCTION MANUAL

V1.0



### TIPS

1. The hybrid control adjustment button adjusts the throttle compensation and flap compensation respectively.

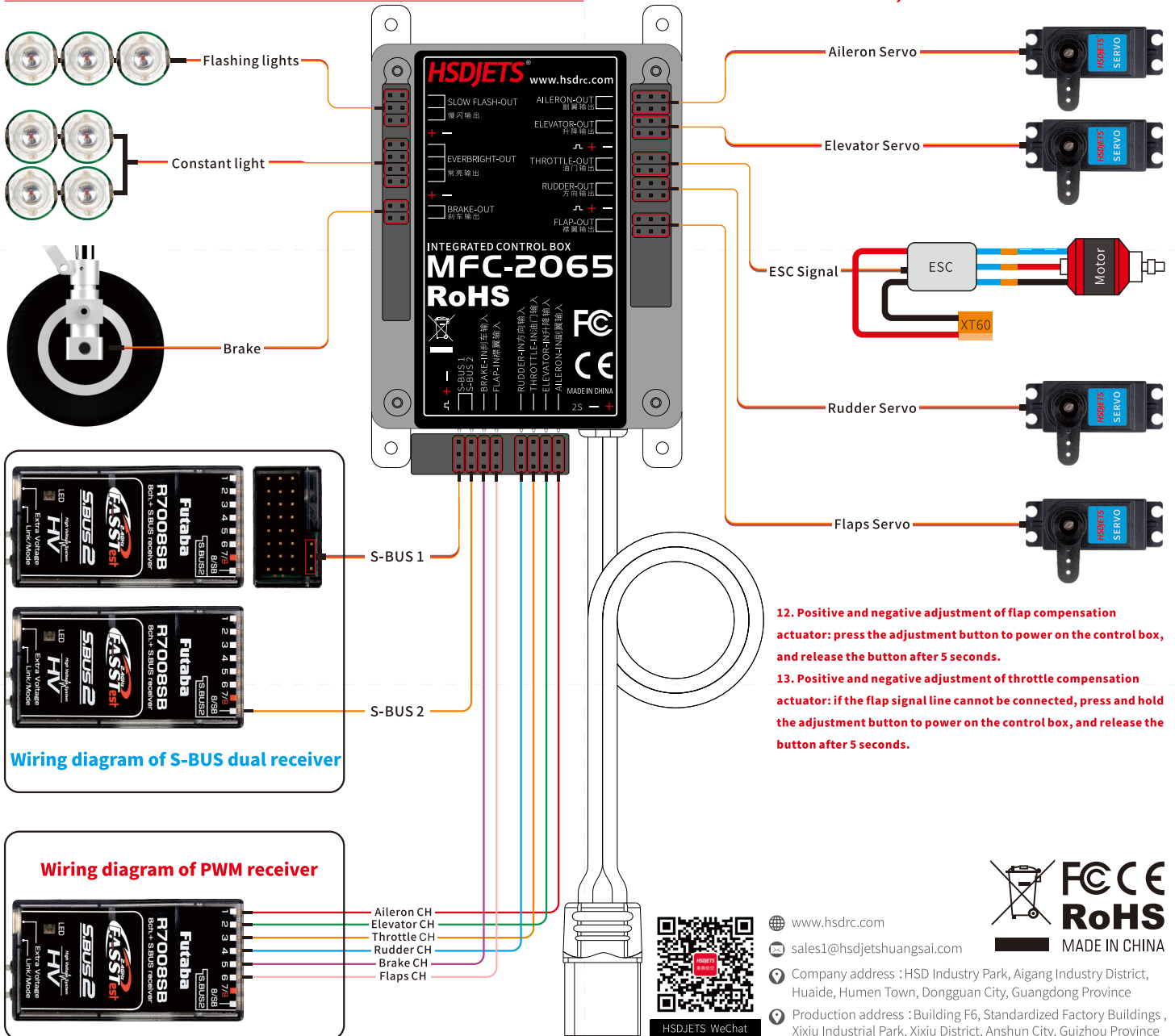
2. The mixed control compensation can not be adjusted by connecting S-bus line, but can only be adjusted by connecting PWM line.

## PRODUCT FEATURES

01. Independent power management system 2S, 7.4v input voltage design, 20A maximum current output, can meet most market demand.
02. Support the electromagnetic brake function to reduce the aircraft landing distance.
03. Support LED light control system, 4 groups are always on, 3 groups are slow flashing mode.
04. Flight path compensation system is supported. Elevator compensation of throttle and flap can be set according to aircraft characteristics.
05. Support dual s-bus bus function and double receiving function.
06. The back outlet design is adopted, the wiring is arranged below the installation position, and the receiver and power line are connected on the side, so the installation is convenient, simple and beautiful.

07. There are five gears in the hybrid control system, the first gear is 3% compensation, the second gear is 6% compensation, and the compensation amount of each gear is added by 3%.
08. In normal operation, the LED indicator light is slow flashing, and when adjusting the mixed control, the LED indicator light is fast flashing.
09. Once the adjustment button is pressed, the LED indicator will flash once to turn off the compensation, two times to turn on the first gear compensation, three times to turn on the second gear compensation, and so on. The mixed control gear can be adjusted circularly.
10. Adjust the throttle compensation: the flap signal line cannot be connected. The receiver line must be in PWM connection mode and adjusted according to mixed control.
11. Adjust flap compensation: the receiver must be connected with flap signal line. In PWM connection mode, press mixed control adjustment.

## SYSTEM CONNECTION DIAGRAM REFERENCE (MFC-2065 + PWM / S-BUS RECEIVER)



12. Positive and negative adjustment of flap compensation actuator: press the adjustment button to power on the control box, and release the button after 5 seconds.

13. Positive and negative adjustment of throttle compensation actuator: if the flap signal line cannot be connected, press and hold the adjustment button to power on the control box, and release the button after 5 seconds.

Wiring diagram of S-BUS dual receiver

Wiring diagram of PWM receiver

- Aileron CH
- Elevator CH
- Throttle CH
- Rudder CH
- Brake CH
- Flaps CH



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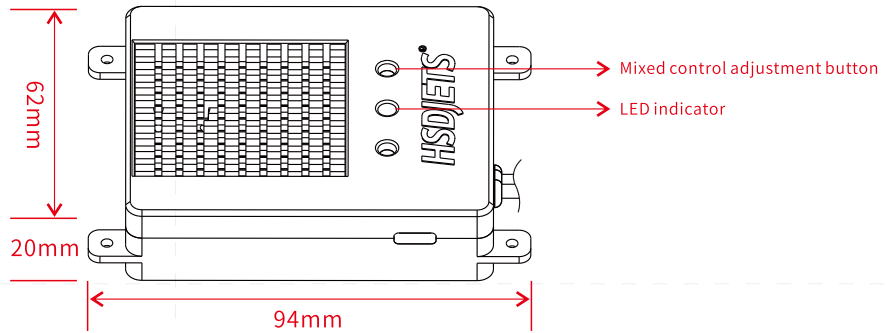
Production address : Building F6, Standardized Factory Buildings, Xixiu Industrial Park, Xixiu District, Anshun City, Guizhou Province



MADE IN CHINA

## PRODUCT SPECIFICATIONS

- \*Working voltage: DC. 7.4v, 2S (battery input)
- \*Navigation lamp output voltage: 3.2 V
- \*Receiver output voltage: 7.4 V
- \*Output voltage of Servo: 7.4 V
- \*Weight: 92 g / 3.25oz
- \*Output voltage of electromagnetic brake: 7.4 V
- \*Working temperature range: -5 ~ + 75 °C
- \*Size: 94mm × 62mm × 20mm



## SYSTEM CONNECTION DIAGRAM REFERENCE (MFC-2065 + GYROSCOPE + PWM RECEIVER)

