Introduction to model aircraft remote control

1.Introduction to model aircraft remote control

航模遥控器HT-8A是一款基于2.4G FHSS制式全新跳频协议的无线通讯控制器，采用人体工程学设计，大小适中，手感舒适，最多可独立控制八个通道数据，支持失控保护，按键上锁，自动关机等功能。在不同空间内，无线控制距离可达到地上300米，空中800米，一控多用，只需要将SBUS接收器连接到设备的SBUS接口，通过解析SBUS协议数据，即可让设备拥有超远距离无线遥控功能。
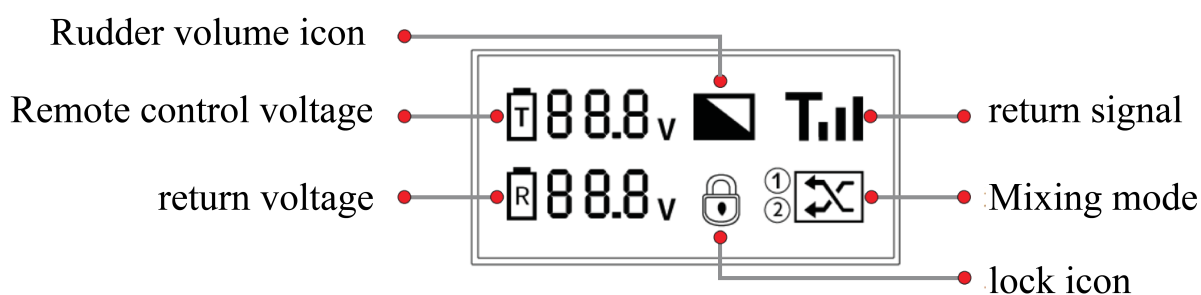
2.Product acessories

Front of model aircraft remote control:

①Antenna: The antenna that connects wirelessly to the SBUS receiver.

②SWA-5 key: Control channel five.

③SWB-6 key: Control channel six.

④SWC-7 key: Control channel seven.

⑤SWD-8 key: Control channel eight.

⑥Power switch key and power-on indicator light: Short press to turn on the device and the indicator light will be on; long press to turn off the device and the indicator light will be off.

⑦Left joystick: Up and down control channel three, left and right control channel four. If the median value is 1000, the control range is 200~1800.

⑧Right joystick: Up and down control channel two, left and right control channel one. If the median value is 1000, the control range is 200~1800.

⑨Median fine-tuning button and hook: corresponds to the center value of the left and right joysticks, which can be adjusted separately. The default setting is 1000.

⑩Mixing settings: Mixing mode switching

⑪Channel forward and reverse: Set the forward and reverse directions of channel 1/channel 2/channel 3/channel 4/

⑫Large and small rudder volume: Switching 1-way/2-way/4-way can switch the stroke amount of the channel

⑬Locking button: /fine adjustment key/mixing control key/large and small rudder volume key/channel forward and reverse key/locking

⑭Display: Displays the current mode, battery level and return signal of the remote control

显示屏:

Rudder volume icon

Remote control voltage

return voltage

return signal

Mixing mode

lock icon

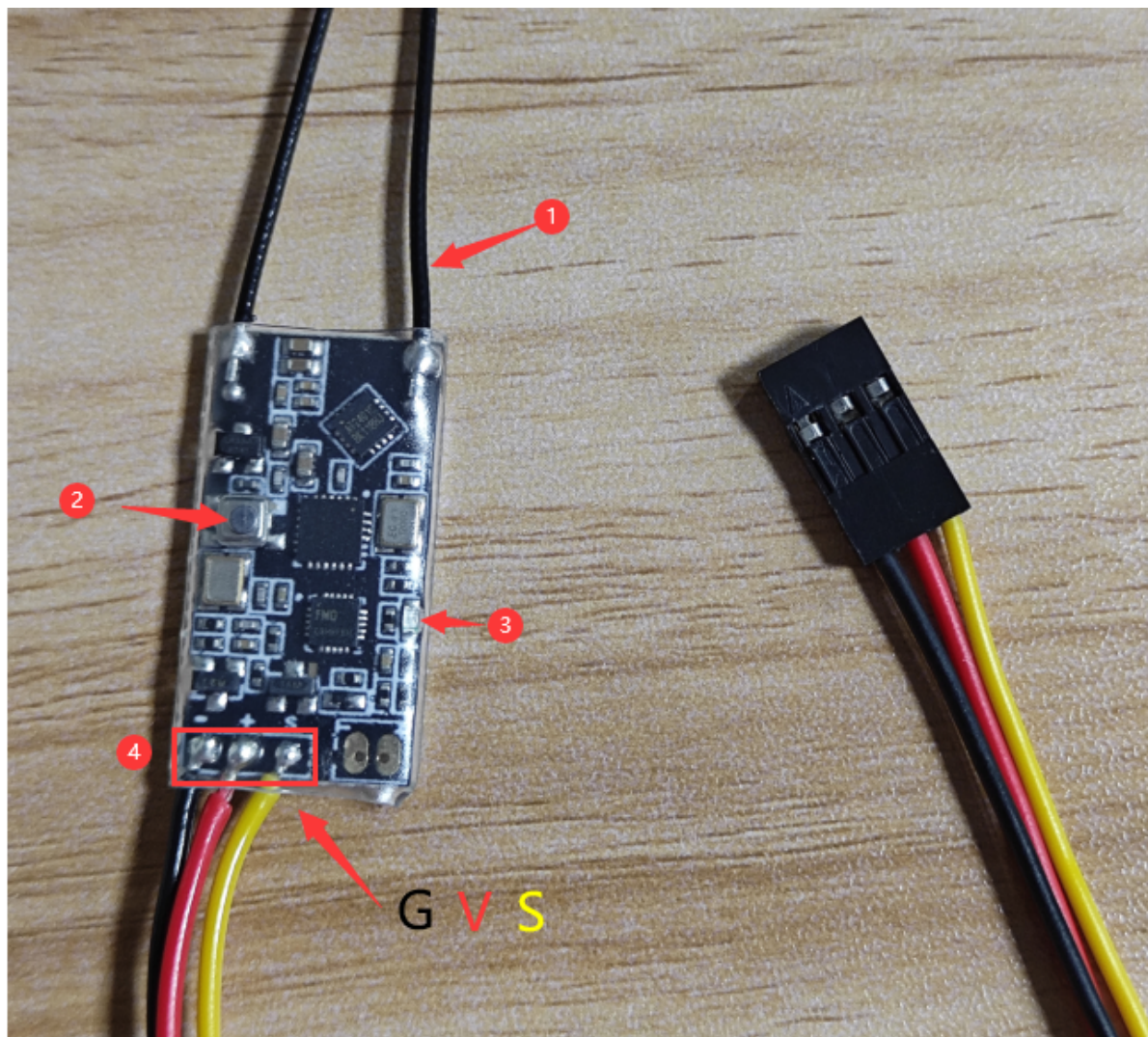The reverse side of the model aircraft remote control:

①Simulation port: used to connect to flight simulator.

②Battery compartment: 4 AA batteries need to be installed. Please install them according to the positive and negative instructions of the batteries in the battery compartment.

SBUS receiver:

①Antenna: An antenna that is wirelessly connected to the model aircraft remote control.

②Pairing button: Press and hold to enter pairing mode.。

③Status indicator: The connected device LED is always on, the unconnected device LED flashes slowly, and the pairing status LED flashes quickly.

④SBUS interface: Please connect to the SBUS interface according to the silk screen on the SBUS receiver. G represents the ground GND, V represents the power supply VCC, and S represents the signal.

3.Frequently Asked Questions

Q：How to power the model aircraft remote control?

A：The model aircraft remote control needs to install four AA batteries into the battery compartment, and the SBUS receiver needs to be plugged into the SBUS interface of the device.

Q：How many channels can the model aircraft remote control control?

A：Eight channels.

Q：When I got the model aircraft remote control for the first time, I couldn't connect to the SBUS receiver. What happened?

A：The model aircraft remote control and SBUS receiver are not paired when leaving the factory. Please pair and connect the model aircraft remote control with the SBUS receiver first.

Q：How to pair and connect the model aircraft remote control and SBUS receiver?

A：（1）Power on the receiver first; [Receiver: green light flashes slowly]

(2)Press the receiver [BING] button again: [Receiver: green light flashes quickly]

(3)Finally, turn on the transmitter power. [Receiver: Green light is always on]

Note: Receiver light status: [Slow flashing indicates no signal from the receiver]

[Flashing quickly indicates entering the binding state]

[Always on indicates the transmitting and receiving connection status]

Q：The remote control of the model aircraft makes a beeping sound and the power indicator light flashes to alarm. How can I solve the problem??

A：It prompts that the remote control has insufficient power, please replace the battery.

Q：What technology is used for wireless? What is the maximum control distance?

A：The wireless communication between the model aircraft remote control and the SBUS receiver uses 2.4G wireless communication technology. The control distance of the remote control can reach 300 meters on the ground and 800 meters in the air.

Q:How to turn on failsafe?

A：**【Note: The default factory value of the throttle channel runaway protection is the lowest point or the center point.】**
【Note: Please do not set the out-of-control protection value without special usage requirements.】

1.Function description: Loss of control protection is a protection function when the receiver loses signal to avoid losses caused by loss of control; it mainly protects the throttle channel. When the receiver cannot receive the transmitted signal, the receiver's throttle channel will run to the set value. value.

2.Setting method:

The marked position is the [lower left fine-tuning] button

（1）Before setting up, first successfully pair the transmitter and receiver;（2）The remote control is turned off first;（3）First press and hold the [Lower Left Fine Adjustment] button without releasing it, and then turn on the power switch of the remote control;[The remote control light will flash quickly accompanied by sound/receiver blue light/green light flashes quickly at the same time], indicating that it has entered the setting state;（4）At this time, the throttle channel can be set to lose control;（5）After the setting is completed, press the [Lower Left Fine

Adjustment] button to exit.

mark location

Q:How to use the key lock function?

A:Press and hold the [lock button] on the remote control for 1 second to turn on the lock function; there will be an icon prompt on the display; the method for turning on/off the lock is the same.

Q:How to set the positive and negative channels?

A:【Note: Only the forward and reverse directions of one channel can be set at a time】

The forward and reverse directions of channel 1/channel 2/channel 3/channel 4 can be set. Setting method: (1) Press and hold the [channel forward and reverse button] on the remote control for 1 second to enter the setting mode; the remote control will be accompanied by a sound prompt, and the power light will flash at the same time; (2) Move the joystick of the corresponding channel to switch. The positive and negative direction of the channel [any direction of the joystick]

Q:How to set the rudder volume?

A:The default maximum stroke volume is 100% [1000-2000], and the small stroke volume can be set to 70% [1150-1850]. Setting method: Press and hold the [large and small rudder volume button] on the remote control for 1 second; you can switch the size of the rudder volume, and there will be an icon prompt on the display.

Q:How to use the mixing setting function?

A:The mixing setting can switch between 1/2-channel mixing (delta wing mixing) and 2/4-channel mixing (V-tail mixing). Switching method: Press and hold the [mixing control setting button] on the panel for 1 second; you can switch the mixing mode. The icon on the display screen [①] indicates 1/2-way mixing mode. Press and hold the [Mixing Setting Key] on the panel for 1 second; the icon on the display screen displays [②], indicating 2/4-way mixing mode.

【Note: The switching of the mixing mode is carried out by cycling through a mixing setting key.】