2.4G 10-channel Remote Control

Product parameters

Product Parameters

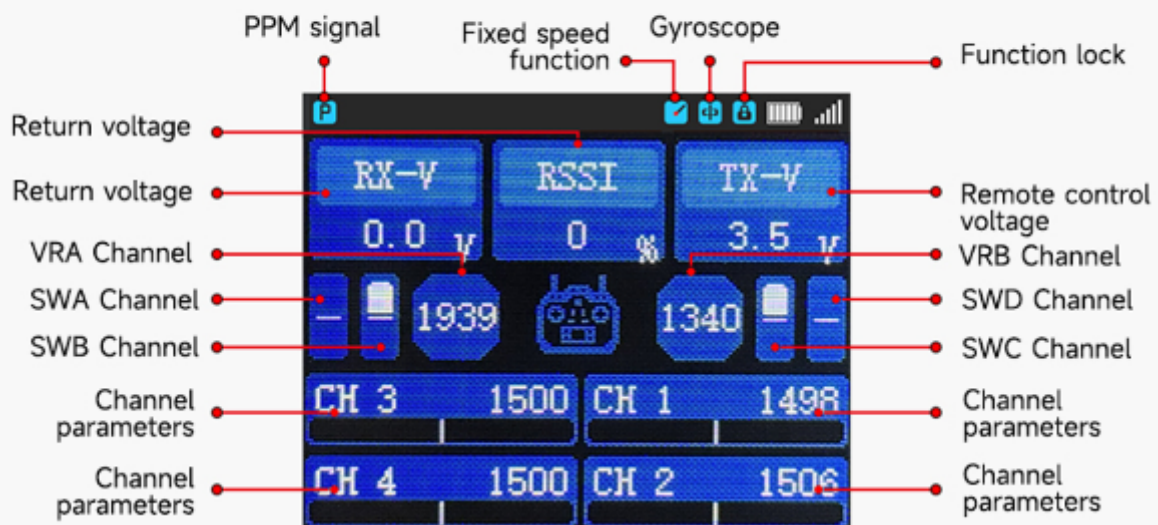|	
Number of channels	10
Applicable models	ROS Robot、robot car、AGV mobile carrier、drone etc
Frequency range	2.4GHz ISM
Spread spectrum method	FHSS
Wireless remote control distance	300~800m(open area)
Receiver signal	SBUS/PWM signal
Connect automatically	After pairing, it supports automatic connection after power on
Low voltage alarm	Support
Antenna length	About 9cm
Number of antennas	Dual Antenna
Weight	About 320g (battery not included)
Size	Remote control(antenna not included)：175mm*150mm*68mm SBUS Receiver (antenna not included)：28mm*15mm*3mm PWM Receiver (antenna not included)：37.8mm*23.7mm*13.5mm
Transmit power	≈120MA
Modulation pattern	GFSK
Responding speed	PWM≤20MS
Receive sensitivity	-96dbm
Receiver power supply range	DC 3.5V-9V
Transmitter power supply range	DC 3.7V-9V
Power supply method	AA battery*4 or lithium battery

Function keys

Note: The SWA channel joystick will reset automatically when it is moved, but the SWB, SWC, and SWD joysticks will not reset automatically

Functions Distribution

①Antenna　　　　　②VRA Channel　　　　③VRB Channel　　　　④SWB Channel

⑤SWC Channel　　　⑥SWA Channel(Self-reset)　⑦SWD Channel　　　⑧Power switch

⑨Left joystick　　　⑩Right joystick　　　　⑪Fine adjustment key　⑫Fine adjustment key

⑬Fine adjustment key　⑭Fine adjustment key　⑮Up key　　　　　⑯Back key

⑰Down key　　　　⑱Confirm key

Built-in LCD display

PPM signal　　Fixed speed function　Gyroscope　　Function lock

Return voltage

Return voltage　　　　RX-V　　　RSSI　　　TX-V　　　Remote control voltage

VRA Channel　　　　0.0 v　　　0 %　　　3.5 v　　　VRB Channel

SWA Channel　　　　　　1939　　　　　1340　　　　　SWD Channel

SWB Channel　　　　　　　　　　　　　　　　　　SWC Channel

Channel parameters　　CH 3　　1500　　CH 1　　1498　　Channel parameters

Channel parameters　　CH 4　　1500　　CH 2　　1506　　Channel parameters

Default channel

HT-10A remote control	Default channel: Remote control does not perform channel mapping
CH1	Right joystick: slide left and right
CH2	Right joystick: slide up and down
CH3	Left joystick: slide up and down
CH4	Left joystick: slide left and right
CH5	SWA channel
CH6	SWB channel
CH7	SWC channel
CH8	SWD channel
CH9	VRA channel
CH10	VRB channel

SBUS receiver
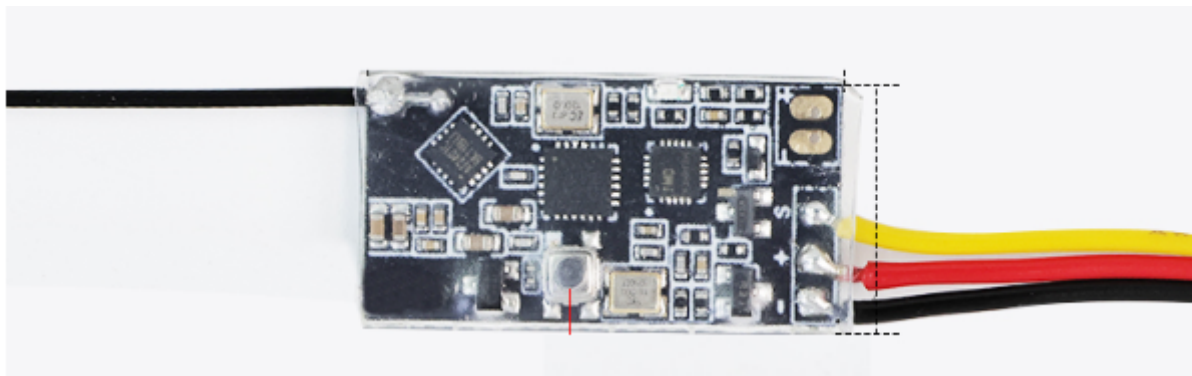
SBUS receiver	Functions
S	Singal（SIG）
+	Positive pole of power supply（VCC）：5V
-	Negative pole of power supply（GND）

Pairing steps

SBUS receiver indicator light status	Meaning
LED slowly flashing	Device not connected
LED quickly flashing	Pairing status
LED keep on	Connected devices

1. Power the SBUS receiver, and the LED indicator on the SBUS is in a slow flashing state;

2. Press and hold the button on the SBUS receiver for 1 second, and the LED will flash, indicating that the SBUS receiver has entered pairing mode;

3. Turn on the power switch of the HT-10A remote control, and the HT-10A remote control will automatically pair with the SBUS receiver; After successful pairing, the LED indicator light on the SBUS receiver remains on: Connected status cannot enter pairing status.

Attention: The HT-10A remote control only needs to be paired once with the SBUS receiver, and it will automatically connect the next time it is turned on, so there is no need to pair again!

PWM receiver
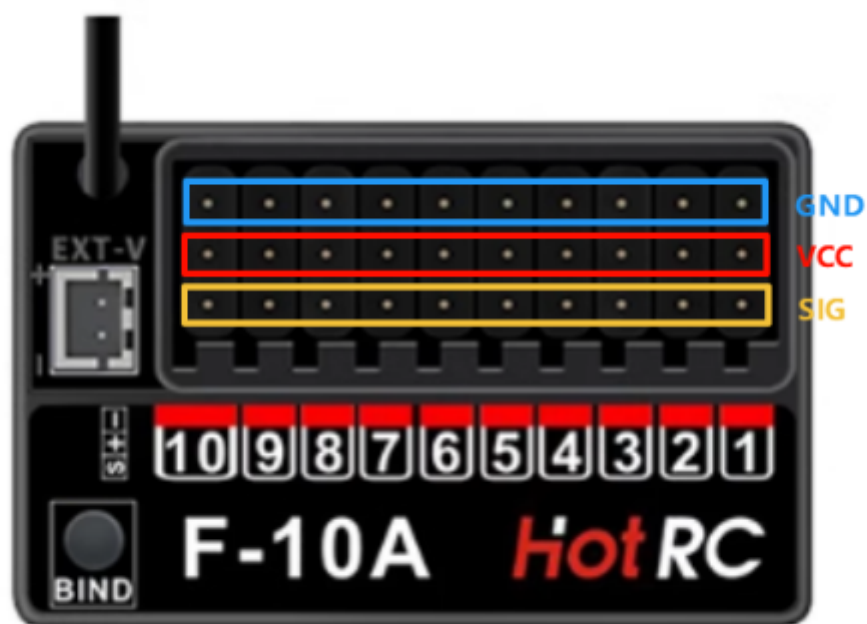
PWM receiver	Pin function
S （Singal)	SIG （Yellow)
+ （Positive pole of power supply)	VCC （Red）：5V
- （Negative pole of power supply)	GND （Brown)

Pairing steps

SBUS receiver indicator light status	Meaning
LED slowly flashing	Device not connected
LED quickly flashing	Pairing status
LED keep on	Connected devices

1. Power the PWM receiver, and the LED indicator on the PWM is in a slow flashing state;

2. Press and hold the button on the PWM receiver for 1 second, and the LED will flash, indicating that the PWM receiver has entered pairing mode;

3. Turn on the power switch of the HT-10A remote control, and the HT-10A remote control will automatically pair with the PWM receiver; After successful pairing, the LED indicator light on the PWM receiver remains on: Connected state cannot enter pairing state.

Attention: The HT-10A remote control and PWM receiver only need to be paired once, and will automatically connect the next time it is turned on, no need to pair again!