

PWM receiver usage process

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- Hardware preparation
- HT-10A remote controller
- PWM receiver
- Pairing steps
- Control PWM servo

Hardware preparation

- HT-10A remote controller
- PWM receiver
- PWM servo: 180°

HT-10A remote controller

You need to install 4 AA batteries in advance to power the HT-10A remote controller:



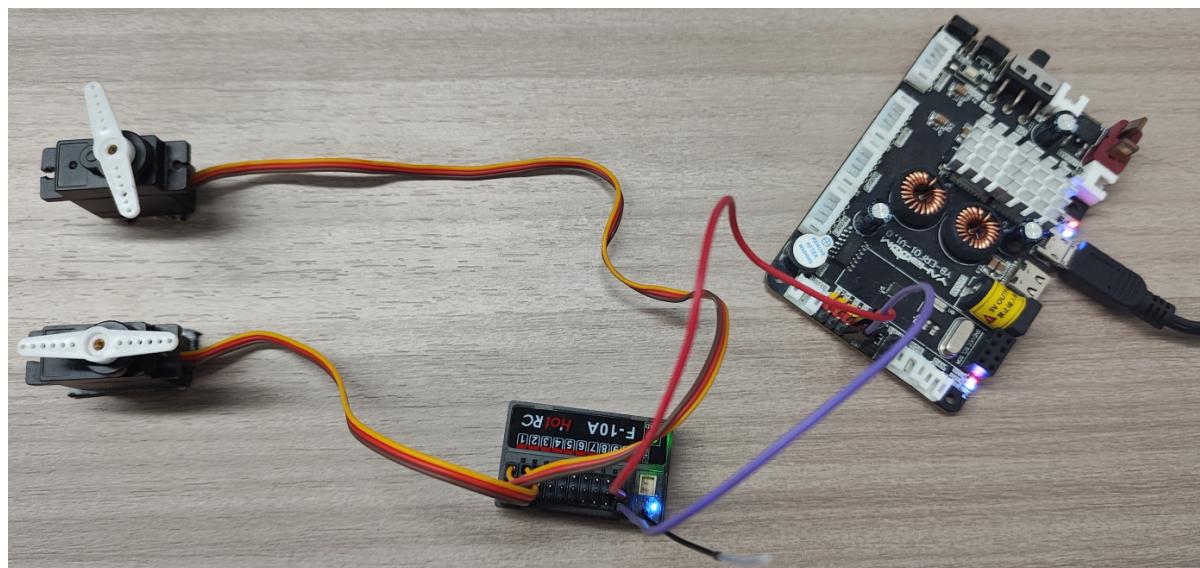
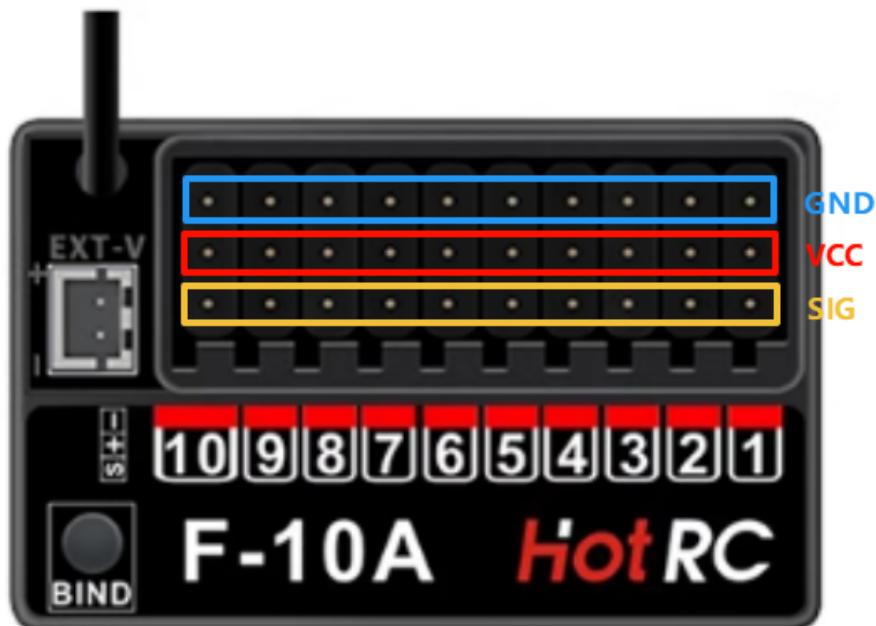
HT-10A remote controller	Default channel: The remote controller does not perform channel mapping
CH1	Right joystick: slide left and right
CH2	Right joystick: slide up and down
CH3	Left joystick: slide up and down
CH4	Left joystick: slide left and right
CH5	SWA channel
CH6	SWB channel
CH7	SWC channel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

HT-10A remote controller	Default channel: The remote controller does not perform channel mapping
CH10	VRB channel

PWM receiver

The picture shows the connection between the PWM receiver and the 180° PWM servo: users can use other devices to provide 5V power to the PWM receiver

PWM receiver	180° servo	ROS control board (for PWM receiver)
S (signal)	SIG (yellow)	
+ (positive)	VCC (red)	5V
- (negative)	GND (brown)	GND



The two 180° PWM servos in the picture are connected to CH1 and CH2 respectively. The ROS control board powers the PWM receiver through the VCC and GND of CH10!

Pairing steps

Use a 12V T-type battery pack or a MicroUSB data cable to power the ROS control board. The ROS control board powers the PWM receiver through the VCC (5V) and GND interfaces.

PWM receiver indicator status	Meaning
LED slow flash	Device not connected
LED fast flash	Pairing status
LED always on	Device connected

1. Power the PWM receiver, the LED indicator on the PWM is slow flashing;
2. Press and hold the button on the PWM receiver for 1 second, the LED flashes quickly, indicating that the PWM receiver enters the pairing state;
3. Turn on the power switch of the HT-10A remote control, and the HT-10A remote control automatically pairs with the PWM receiver;
4. After pairing is successful, the LED indicator on the PWM receiver is always on: the connected state cannot enter the pairing state.

Note: The HT-10A remote control and the PWM receiver only need to be paired once, and they will automatically connect the next time they are turned on, without the need to pair again!

Control PWM servo

HT-10A remote control can set the servo frequency and rotation angle through the display screen and the buttons around it:



HT-10A remote control	Function
①	Up key
②	Down key
③	Return key
④	Confirm key

Press "Confirm key" on the main interface to enter the settings, and then switch different options through "Up key", "Down key", "Return key" and "Confirm key". The tutorial remote control is 180° PWM servo:

It is recommended to set the servo frequency to 50Hz and the servo angle to 180°



After completing the above settings, you can control the servo of the corresponding channel through the corresponding joystick!