

Quick Start Guide

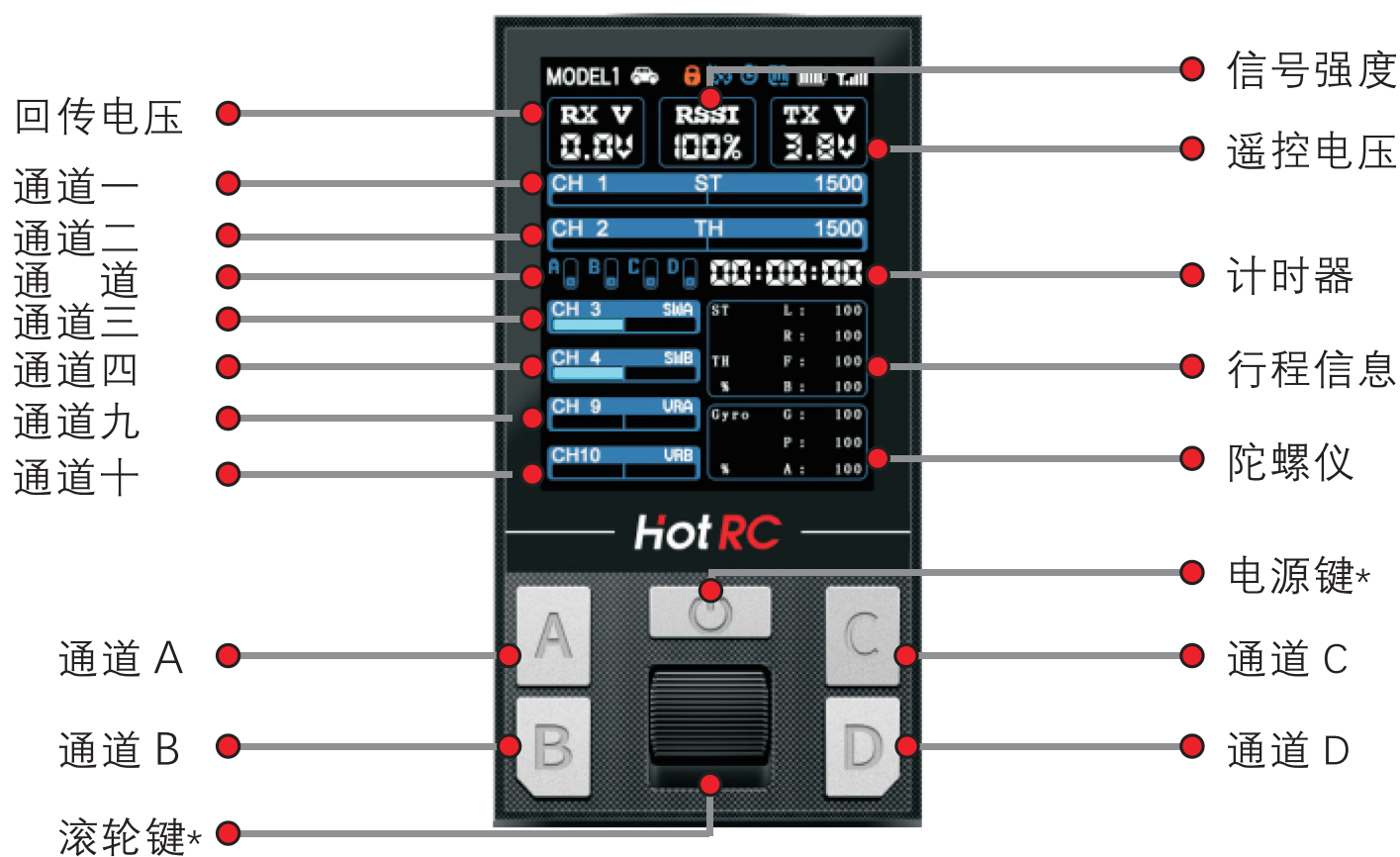
产品使用说明书

CT-10B



版本更新：2025-01-01

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电源键：长按：遥控器开关机；
滚轮键：滚动：菜单功能选择；

短按：菜单功能返回；
短按：菜单功能确定；



模型设置

模型选择：遥控器共有八组存储模型数据；

模型名称：每组模型名称都可进行自定义命名；

模型复制：每组设置的模型参数、可复制到另一组模型；

模型复位：可将每组的模型参数进行复位；

休闲游戏：遥控器内置休闲游戏功能；



通道设置

通道正反：每个通道的正反向都可以进行设置；

通道行程：每个通道的行程最大值、最小值都可以设置；

通道微调：每个通道的中心值都可进行设置；

通道映射：CH3-CH10通道的按键都可以进行自定义位置；

通道定义：SWA/A/B/C/D/VRA/VRB通道都可定义开关模式；



混控设置

固定混控：主要针对一二通道的混控、共有四种混控模型；

编程混控：可设置三组数据、每组混控模式可自由编程；

曲线设置：对油门曲线、刹车曲线、方向曲线进行设置；

电调设置：对电调响应延时设置、紧急刹车功能设置；

舵机设置：对舵机的频率、舵机的角度进行设置；



接收设置

对码设置：初次使用时需要对接收机与遥控器进行匹配；

失控保护：是接收机失去信号后每个通道的保护值；

智能车控：只能针对本公司的一体接收机进行参数设置；

回传信息：可对接收的信号/电池电压等信息进行回传；

教练模型：两套遥控器可直接通过数据线、进入教练模式；



系统设置

系统设置：自动关机：遥控器没有操作情况下15分钟自动关机；
设置锁定：开启后对设置功能进行锁定；
摇杆校准：按照提示可对一二通道的摇杆值进行校准设置；
计时设置：最大计时为60分钟、可设置计时启动方式；
设备信息：设备的详细信息、使用时间、通道参数等；
恢复出厂：将遥控器恢复到出厂默认状态、所有设置清除；

对码方式

- A: 接收机与遥控器都是通电的状态；
- B: 短按接收机的【BING】键，接收机绿灯会进入快闪状态；
- C: 遥控器进入到对码设置界面、点击开始进行配对；配对状态会进行提示；

失控保护

遥控器出厂默认失控保护值一二通道是1500中心值、其他通道是保持开机状态值；可根据需求去设置每个通道的失控值、失控保护设置需要先连上接收机才可进行设置界面。

教练模式

遥控器教练模式有3种模式选择，PPM信号是进行电脑模拟练习功能；遥控器配有Type-c接口数据线、可直接对2台遥控器进行连接、进入教练 / 学员模式、教练机能控制学员机的一通道和二通道。

智能车控

遥控器标配接收机不含陀螺仪功能、可根据需求选配陀螺仪版本；
陀螺仪接收机安装需要根据箭头方法水平放置设备内；陀螺仪每次开启会有3秒钟校准时间。
方向调节：是设置陀螺仪的正反方向；
感度调节：是设置陀螺仪的灵敏度、可根据需要调节灵敏度大小、数值越大灵敏度越高、陀螺仪响应速度越快；
手轮介入比：是设置遥控器方向手轮信号与陀螺仪效果的混合比率；
舵机防抖舵：是设置陀螺仪回中的速度值，值越大舵机回速度越慢；

电池使用

遥控器使用一节尖头的18650电池，电池的安装请注意正负极；
遥控器可直接对18650电池进行充电，充电过程请人员时刻关注充电状态；
遥控器也可以直接使用充电宝进行充电。

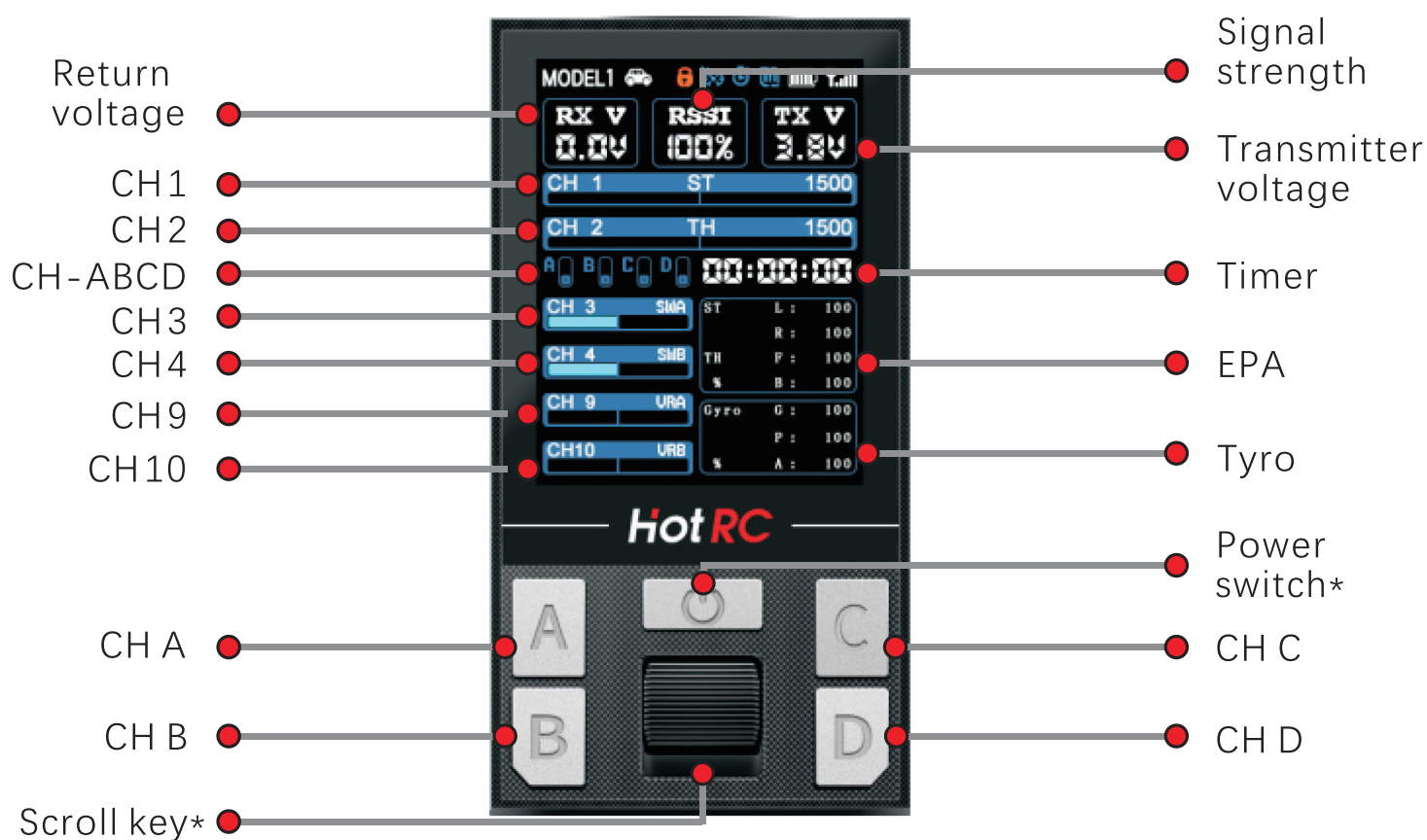
四轮转向

设置方法：菜单栏进入：固定混控-类型-四轮转向；
功能说明：前轮舵机接方向通道、后轮舵机接SWA键对应通道；前后轮的行程、正反、微调、可通过遥控器的通道正反、行程、微调界面去进行设置；
模式定义：4WS-1：前轮转向、4WS-2：后轮转向、
4WS-3：前后轮反向、4WS-4：前后轮同向；
模式切换：通过遥控器SWA键去进行模式切换、4个模式可自由选择开启；

规格参数

产品型号	CT-10B
适用模型	模型车/船/坦克/等
通道个数	10
频率范围	2.4GHZ ISM
发射功率	≈160MA-300MA
调制模式	GFSK
扩频方式	FHSS
响应速度	PWM≤20MS
遥控距离	地面≈300M *
接收灵敏度	-96 dbm
发射机供电	DC 3.5V-9V
接收机供电	DC 3.7V-9V
产品净重	190g

注：遥控的距离仅供参考、实际使用情况会根据不同的环境会有差别。



Power button: long press: power off; Short press: return;
Roller key: scroll: select; Press: OK;

Code matching steps

The first use of the remote control requires code matching;

Pairing steps:

- A: Both the receiver and the remote control are powered on;
- B: Short press the [BING] button on the receiver, and the green light on the receiver will flash quickly;
- C: The remote control enters the pairing setting interface and clicks to start pairing; the pairing status will be prompted;

Failsafe setting

The factory default fail-safe value of the remote control is 1500 center value for channels one and two, and the other channels are kept in the power-on state value; the fail-safe value of each channel can be set according to needs. The fail-safe setting needs to be connected to the receiver before the setting interface can be entered.

Coach mode

The remote control coach mode has 3 modes to choose from. The PPM signal is a computer simulation practice function. The remote control is equipped with a Type-c interface data cable, which can directly connect 2 remote controls to enter the coach/student mode. The coach machine can control the first and second channels of the student machine.

Battery Use

The remote control uses a pointed 18650 battery. Please pay attention to the positive and negative poles when installing the battery.

The remote control can directly charge the 18650 battery. Please pay attention to the charging status during the charging process.

The remote control can also be charged directly using a power bank.

Timing function

Function description: The remote control has two timing modes: forward timing and countdown; Maximum countdown time: 60 minutes, timing trigger mode: throttle channel/direction channel, with a total of 12 lap speed records.

gyroscope

The standard receiver of the remote control does not contain a gyroscope function, and a gyroscope version can be selected according to needs;

The gyroscope receiver needs to be placed horizontally in the device according to the arrow method; the gyroscope will have a 3-second calibration time each time it is turned on.

Direction adjustment: It is to set the positive and negative directions of the gyroscope;

Sensitivity adjustment: It is to set the sensitivity of the gyroscope, and the sensitivity can be adjusted as needed. The larger the value, the higher the sensitivity and the faster the gyroscope responds;

Handwheel intervention ratio: It is to set the mixing ratio of the remote control direction handwheel signal and the gyroscope effect;

Servo anti-shake rudder: It is to set the speed value of the gyroscope return to the center. The larger the value, the slower the servo return speed;

Lighting control

Function description: The remote control can only set the lighting for the receiver model of this brand, and is not supported by other brands. The receiver for lighting control needs to be purchased separately.

Four wheel steering

Setting method: In the menu bar, enter: Fixed Hybrid - Type - Four Wheel Steering; Connect the front servo to the direction channel and the rear servo to the corresponding SWA channel; The travel, forward and reverse, and fine adjustment of the front and rear wheels can be set through the remote control;

Mode definition: 4WS-1: Front wheel steering,
4WS-2: rear wheel steering,
4WS-3: front and rear wheels in reverse,
4WS-4: front and rear wheels in the same direction;

Mode switching: Use the SWA button on the remote control to switch.

Fixed mixed control

Function description: For the convenience of parameter setting, the remote control has five fixed hybrid control modes: tank mode, four-wheel steering, and three ship modes; Mixed control mode can be selected as needed.

Programming mixed control

Function description: The remote control has three sets of programming mixed control modes. Each set of programming mixed control can set two channels: the main mixed control channel, the auxiliary mixed control channel, and the channel ratio; Parameters can be set;

Curve setting

Function description: The throttle channel curve, brake curve, and direction curve can be set, and the values are displayed in percentage form. The ratio can be set according to one's own needs.

ESC settings

Function description: The remote control can set the throttle response delay, emergency braking function, throttle cruise control, and parameters of the electronic control,

Servo settings

Function description: The remote control can set the frequency and angle of the servo motor; It can be modified according to the frequency value of the servo motor;

The default output frequency of the digital servo mode is 330Hz;

Pulse width: 500-2500;

The default output frequency for simulating servo mode is 50Hz;

Pulse width: 1000-2000;

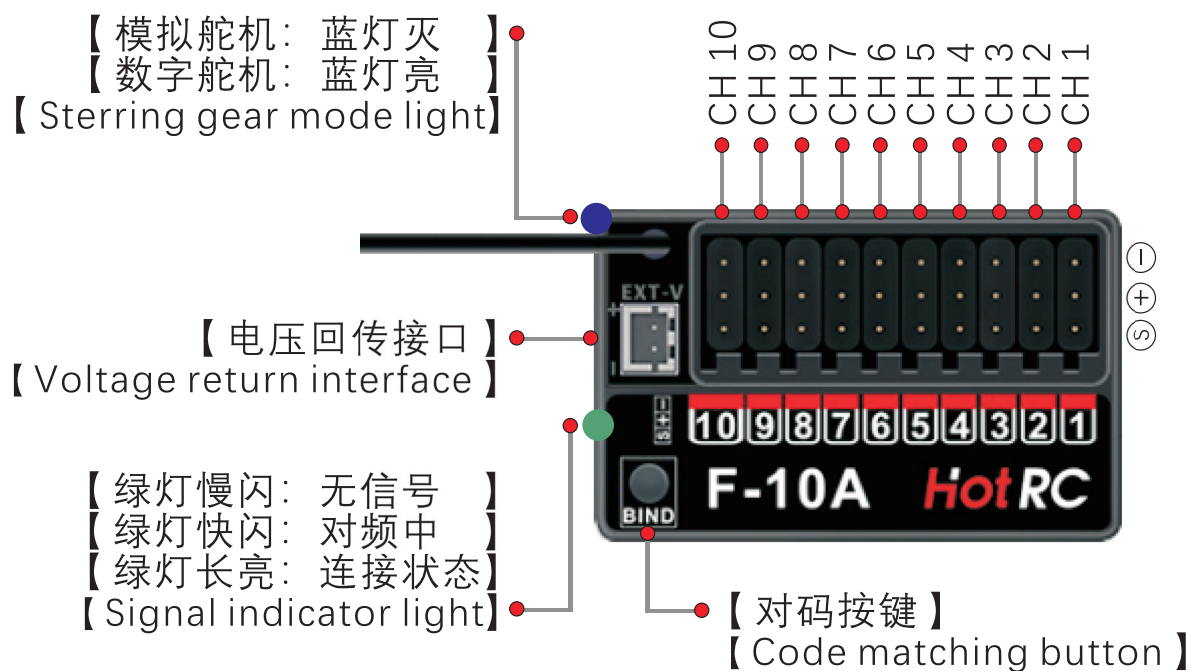
Return information

Function description: The remote control can transmit battery voltage, receiver signal, and battery voltage. The receiver can automatically recognize and modify the battery voltage and low voltage alarm value as needed. When there is an error in the transmitted voltage, the voltage can also be corrected.

Joystick calibration

Function description: If there is a deviation in the center value of the remote control CH1 and CH2 joystick channels, this function can be used to calibrate the center value. Follow the prompts to calibrate the steps.

标配接收机 Receiver paramerers



注意事项

- 1: 标配接收机出厂未做防水处理、使用过程请注意防水!
- 2: 接收机的天线需要特别防护、防止折断、安装位置需要注意磁场干扰!
- 3: 接收机输入电压请勿超过9V、请使用稳定电源输入!
- 4: 信号塔基站/磁场环境会对接收机的信号干扰影响、使用过程请注意!
- 5: 数字舵机模式输出频率默认为: 330Hz; 脉冲宽度: 500-2500;
- 6: 模拟舵机模式输出频率默认为: 50Hz; 脉冲宽度: 1000-2000;
- 7: HOTRC品牌的接收机型号众多也可根据需求进行选配。

Note

- 1: The receiver has not been waterproofed at the factory, please pay attention to waterproofing!
- 2: The antenna of the receiver needs special protection, and the installation position should pay attention to magnetic field interference!
- 3: The input voltage of the receiver should not exceed 9V, use a stable voltage input!
- 4: Signal tower/magnetic field environment can interfere with the signal of the receiver!
- 5: The default output frequency of the digital servo mode is 330Hz; Pulse width: 500-2500;
- 6: The default output frequency for simulating servo mode is 50Hz; Pulse width: 1000-2000;
- 7: HOTRC brand receivers come in a wide range of models and can also be selected according to needs.

Parameter

Model	CT-10B
Model Type	RC Car/Ship/Tank
Channels	10
RF Range	2.4GHZ ISM
RF Power	≈160MA-300MA
Modulation	GFSK
Spread Spectrum	FHSS
Reaction Speed	PWM≤20MS
RF Distance	300M *
Receive Sensitivity	-96 dbm
Channel Resolution	4096
Transmitter Voltage	DC 3.7V-9V
Receiver Voltage	DC 3.7V-9V
Gross Weight	190g

Note: The marked distance is for reference only and may vary depending on the environment.

Hot RC[®]

<https://www.HOTRC.cn>

更多详细说明及视频介绍请登录官方网站了解
For more instructions, please log in to the website



FCC ID:

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 35mm between the radiator and your body.