D4L

2.4GHz 多功能四合一遥控器

2.4GHz MULTIFUNCTION 4 IN 1 RADIO CONTROL SYSTEM

Model No.: SI-4EE

感谢您选择 奥兰多汉特 产品！

D4L遥控器是一款高性能、多功能的车辆模型遥控器，其适用于小于1：18的攀爬车型使用，同时由于其内置了遥控接收机、有刷电机调速器、声音模拟器和多功能联动灯组功能，因此是一款集成度高，功能复杂的产品，用户在使用过程中请务必认真查阅说明书，避免接线等错误导致产品损坏。

Thanks for choosing ORLANDOO-HUNTER products!

D4L radio system is a high performance and multiple functions for RC cars, use for less than 1 :18 cars. The built-in ESC inside the receiver, Also sound simulator, Remote control receiver and light group make D4L become a high degree of integration with complex functions product make D4L become a high degree of integration with complex functions product, please be sure to carefully read the user manual in using, avoid wiring error caused damage to the product.

产品规格 ····· **Specifications** ····· **2**
主要功能 ····· **Features Descriptions** ····· **2**
发射机 ····· **Transmitter** ····· **3**
接收机接口定义 ····· **Receiver Interface Definition** ····· **4**
灯组接口定义 ····· **Light Group Interface Definition** ····· **4**
遥控器对频 ····· **Transmitter And Receiver Pairing** ····· **5**
接收机LED指示灯状态 ····· **Receiver Led Light State** ····· **5**
快速应用（适用于出厂默认状态） ····· **Quick Guide(Use for default setting)** ····· **5**
异常情况 ····· **Quick Resolve Issiue** ····· **5**
失控保护 ····· **Fail Safe** ····· **5**
低电压告警 ····· **Low Voltage Warning** ····· **6**
油门行程标定 ····· **Throttle Calibration** ····· **6**
发动机声音和电机动力输出匹配 ····· **Engine Sound And Motor Power Output Matching** ····· **6**
关于声音模拟器 ····· **About Engine Sound Simulator** ····· **7**
关于电子调速器 ····· **About ESC** ····· **7**
发射机功能参数定义 ····· **Transmitter Function Definition** ····· **7**
开机工作 ····· **Turn On Transmitter** ····· **8**
模型记忆选择 ····· **Model Select** ····· **8**
快速中立点微调设定 ····· **Fast trim setting** ····· **9**
菜单功能 ····· **Menu Function** ····· **9**
转向通道最大行程设定 ····· **ST D/R Setting** ····· **10**
转向通道中立点微调 ····· **ST Trim Setting** ····· **10**
油门通道中立点微调 ····· **TH Trim Setting** ····· **10**
转向通道正反设定 ····· **ST REV Setting** ····· **11**
油门通道正反设定 ····· **TH REV Setting** ····· **11**
转向通道单边行程设定 ····· **ST EPA Setting** ····· **11**
油门通道单边行程设定 ····· **TH EPA Setting** ····· **11**
引擎声音选择 ····· **Engine Sound Select** ····· **12**
安装使用注意要点 ····· **Installation And Use Guide** ····· **12**

产品规格 Specifications

- 发射机型号：D4L
  Transmitter Model：D4L
- 供电范围：4.4V-8.4V
  Operating Voltage：4.4V-8.4V
- 发射频率：2.4G（FHSS）
  Frequency / Modulation：2.4G (FHSS)
- 发射功率：<100mW
  FHSS Output Power：<100mW
- 供电电源：4节AA电池
  Power Supply：4 Cell AA Batteries
- 显示屏类型：段式显示屏
  Screen Type：Segment LCD
- 重量：310克(含电池)
  Weight：310g (Include Batteries)
- 接收机型号：D401E
  Receiver Model：D401E
- 工作电压：6V-8.4V（2S锂电池或6S镍氢电池）
  Operating Voltage：6V-8.4V (2S Lipo or 6S NiMH)
- 接收频率：2.4G（FHSS）
  Frequency：2.4G (FHSS)
- 电调功能：支持有刷电机（最大电流1.8A）
  ESC Feature：Brush motor (Up to 1.8A)
- 声音模拟器功率：最大4.5W音频功率输出
  Sound Simulator：Amp Up to 4.5W
- 内置BEC：最大0.8A电流（输出电压3.3V）
  Build In BEC：Output 3.3V/0.8A
- 重量：5.3克
  Weight：5.3g

主要功能 Features Descriptions

- 4通道发射机，具备液晶显示、数字化参数设定、音量设定和灯光控制；
  4Channel transmitter, LCD display, digital parameter setting, volume setting and light control;
- 内置有刷电机调速器，控制有刷电机正转反转及速度；
  Build-in brush ESC, Forward, reverse and brake feature;
- 内置声音模拟器，具备发动机启动、前进、后退、怠速和熄火音效；
  Build-in sounds simulator (Engine start up, forward, reverse, idle and engine stop sounds);
- 内置灯光控制器，可控制大灯、辅助灯、双闪灯、转向灯、刹车灯和倒车灯；
  Build-in light controller (Control Headlight, Auxiliary light, Double flash light, Turn lights, Brake light, Reverse light);
- 接收机内置低电压声音警告功能；
  Build-in low voltage warning feature;
- 发动机模拟声音音量通过遥控器远程调节、关闭功能；
  Sound simulator volume can be modified and closed remotely;
- 接收机提供3.3V BEC电压输出，最大总电流0.8A；
  Receiver provides 3.3V BEC output voltage, electricity current up to 0.8A;
- 电调油门标定功能。
  ESC throttle calibration.

⚠ 警告 WARNING

D4L是一款高集成度的多功能车用遥控器，其接收机内置了有刷电机调速器、BEC、声音模拟器、4通道接收机和灯组功能，需要搭配配套的电机和音箱使用，如果使用其他类型的电机和音箱请务必严格遵照说明书中提到的供电电压、最大电流和功率进行选配，不适合的电机、音箱可能会导致接收机的损毁；
内置的功率音频放大器最大功率输出可达到4.5W，使用过程中禁止长时间最大音量使用，长时间大音量会加速扬声器的老化，产生破音甚至损坏；
D401E接收机内置了最大0.8A的BEC，其输出电压为3.3V，当外接的舵机或其他用电设备总电流超过最大电流，会导致BEC的损坏；
严禁使用最大电流超过D401E接收机内置的有刷电调最大电流的电机，禁止长时间电机堵转运行，容易导致电机调速器的损坏。

D4L is a highly-integrated multifunction radio system, it has built in brush ESC, BEC, sound simulator, 4 channel receiver and light group functious inside the receiver. It must work with right motor and speaker in order get receiver work properly. If other types motor or speaker need to use with receiver, we highly recommend follow the operating voltage, electricity current and power output from the user's guide. Otherwise it maybe break the receiver.

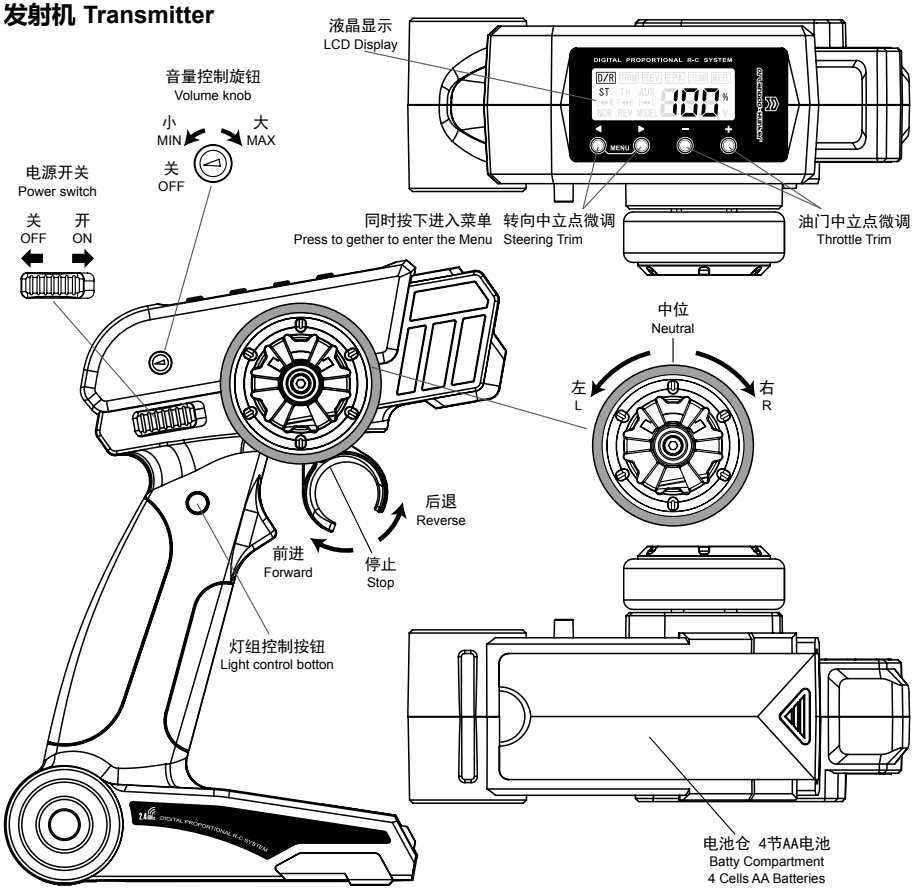
Audio output up to 4.5W. Please note over use Max. volume will reduce speaker life cycle and damage it.

BEC electricity current up to 0.8A and 3.3V output voltage. If any other connected electronic equipment with exceed the max electricity current usage, the BEC will be damaged. Exceed the max electricity current of the brush ESC is prohibited, it will damage the ESC.

⚠ 注意 CAUTIONS

- 严格按照说明书上的连接方式和供电要求进行安装，确保安装牢固、稳定；
  Follow the connection mode and power supply requirement in the user's guide in order to get installation correctly;
- 声音模拟器采用了强磁喇叭，安装过程中远离容易被磁场影响的物品；
  High magnetic speaker is used in sound simulator, keep it away from anything that will influence magnetic field.

发射机 Transmitter



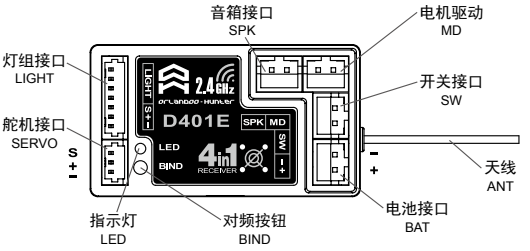
- 音量旋钮：用于调节声音模拟器的音量，顺时针旋转增大音量，逆时针旋转减小音量/关闭。
  Volume knob: adjust the volume of sound simulator. Clockwise rotation to increase the volume. Anticlockwise rotation to decrease close the volume or close the sound simulator.
- 灯控按键：用于灯组的灯光控制，具有单击、双击和长按动作。
  Control the light group: Support one-click, double-click and long press actions.

⚠ 警告 WARNING

电池适用4节碱性电池，确保电池正负极安装正确，不正确的电池极性会导致遥控器的损坏！发射机自带低电压告警，当电压显示低于4. 6V时液晶显示LO，并闪烁，请及时更换电池！

Only alkaline batteries can be used. Make sure match the polarity (+/-) as shown on the batteries. Incorrect installation of batteries will harm the radio system !

接收机接口定义 Receiver Interface Definition



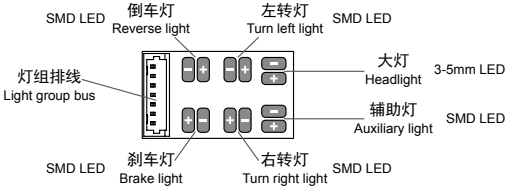
⚠ 警告 WARNING

确保接收机电池接口正负极正确，接反会烧坏接收机！！！

Make sure match the polarity(+/-)as shown on the batteries, Incorrect installation of batteries will harm the radio system ! ! !

- 电源开关：当接收机连接好电池后，通过外接的电源开关控制接收机开启关闭；
  SW: Power switch, after receiver connected with battery turn on/off from power switch;
- 电池接口：用于接收机连接供电电池，其中供电电压范围6-8. 4V；
  BAT: Battery port, it connects battery to receiver, supply voltage 6-8.4V;
- 音箱接口：用于输出功率音频信号驱动喇叭发声，最大输出功率4. 5W，喇叭阻抗≥4欧姆；
  SPK: Audio output to the speaker, maximum output 4.5W, speaker impedance 4ohm;
- 电机驱动：接收机内置有刷电子调速器输出接口，用于驱动有刷电机，最大电流1. 8A；
  MD: Built in brush ESC output port, it drives brush motor, maximum electricity current 1 .8A;
- 舵机接口：该接口用于转向舵机信号输出，提供舵机供电和PWM信号；
  SERVO: Steering signal output, it provides steering engine power supply and PWM signal;
- 灯组接口： 该接口用于连接灯组总线，输出灯组控制信号至灯组焊接扩展板。
  LIGHT: Light group port, it connect the light group bus to light group extend board.

灯组接口定义 Light Group Interface Definition



- 大灯控制：单击遥控器的灯控按键，控制大灯的打开与关闭。
  Headlight: click the light control button to control the headlight on/off.
- 双闪灯控制：双击遥控器灯控按键，控制双闪灯的打开与关闭。
  Double flash light: double-click the light control button to control the double flash light on/off.
- 爆闪灯控制：三击遥控器灯控按键，控制爆闪模式的打开与关闭。
  Strobe light: triple-click the light control button to control the strobe light Program on/off.
- 辅助灯控制：长按遥控器灯控按键，控制辅助灯的打开与关闭。
  Auxiliary light: long press the light control button to control the auxiliary light on/off.
- 刹车灯控制：车辆处于运动状态时，中亮显示；油门处于中立点时，高亮3秒后转为中亮。
  Brake light: Medium light when car is moving; High light for 3 seconds then turn to medium light when throttle turn to neutral.
- 倒车灯控制：车辆处于倒车状态时，将开启倒车灯。
  Reversing light: The reversing light will turn on when car is reversing.
- 左右转向灯控制：当左右方向旋转到一定角度时，对应方向的转向灯将会闪烁。当双闪灯开启时，左右转向灯联动控制失效。
  Turn lights: When the left or right direction is rotated by a certain angle, the turn light in the corresponding direction will flash. When the double flash light is turned on, the turn lights control is turned off.

刹车灯、倒车灯和左右转向灯的控制是以大灯开启为前提，当大灯熄灭时，这些灯将同时熄灭。
The brake light, reversing light and turn lights are controlled on the premise that the headlight is turned on. When the headlight is off, these light will be closed at the same time.

遥控器对频 Transmitter And Receiver Pairing

遥控器出厂时已经做好了发射机与接收机的对频工作，可直接使用；当用户更换新的接收机或选择新的模型设置时，需要进行对频工作，对频方法如下：

打开发射机电源，按住接收机上的对频/设置(BIND)按键后(保持按住状态)再打开接收机电源，此时接收机上的LED灯开始快速闪烁，5秒内接收机的LED会变成常亮状态，即为对频成功。

Transmitter has been already paired with receiver and ready to use. If user is going to replace the receiver or change the model setting, follow the steps below for the pairing:

Turn on transmitter, press and hold on(BIND) button then turn on the receiver, the LED light on the receiver should be fast blink, within 5 seconds LED light should stay on, pairing complete.

接收机LED指示灯状态 Receiver Led Light State

遥控器上电后，LED灯常亮，表示发射机和接收机连接正常，可正常工作；
接收机开机后，LED灯每3秒闪烁一下，接收机没有收到发射机信号：
1、发射机没有打开，2、遥控器没有对频；
在对频模式， LED灯会一直保持快速闪烁，直到对频成功后LED灯常亮。

LED light stays on, it means transmitter and receiver has been paired, work properly;
After turn on the receiver, LED light blink once every 3 seconds, receiver does not pick a signal from transmitter:
1 .transmitter is not on; 2.pairing has not been done yet;
Under pairing mode, LED light keeps fast blink, until pairing complete.

快速应用（适用于出厂默认状态） Quick Guide(Use for default setting)

- 发射机装上电池，打开开关，开机液晶显示当前模型号(MODEL NO.)，3秒后显示当前电池电压， 此时发射机便处于正常工作状态；
  Install batteries in transmitter, turn it on, LCD display shows current MODEL NO., batteries voltage displays on screen after 3 seconds;
- 接收机连接好电池，打开电源开关，此时接收机LED 灯常亮，遥控器连接正常；
  Receiver connected with battery, turn it on, LED light stays on, transmitter is communicating with receiver.
- 扣动发射机油门扳机前进（扳机倒退，设备不做任何动作）触发启动并播放引擎启动声，待引擎从启动音转入怠速状态后，扣动油门扳机便可控制电机前进后退；
  Pull the throttle trigger move forward(trigger reverse, equipment will not really reverse) , equipment starts up and engine start up sound plays, engine start up sound will become idle engine sound after few seconds, then pull or push the trigger control motor forward or reverse.
- 当油门归中后保持怠速状态5秒，车辆将播放熄火声效并进入熄态。
  When throttle trigger return to middle position for 5 seconds, the vehicle plays engine turn off sound and turns off.

异常情况 Quick Resolve Issiue

- 发射机开机后，液晶显示器没有显示：查看电池是否安装，电量是否充足；
  After turn on transmitter, nothing display on the screen: check the batteries if they are installed correctly or check whether it is low on batteries;
- 接收机上电后，接收机LED灯每三秒闪烁一次，重新对频，如何对频详见对频方法；
  Turn on receiver, LED light blink once every 3 seconds, pair the transmitter and receiver over again, for pairing steps you can find it on page 3;
- 扣动扳机没有发动机启动声，重新标定接收机油门中立点，详细方法查看接收机油门行程标定方法。
  No engine start up sound while pull the throttle trigger, recalibration the throttle, see the receiverthrottle calibration for the details.

失控保护 Fail Safe

接收机内置了失控保护功能，当接收机和发射机丢失信号后，电调会停止输出信号，同时转向通道输出信号保持最后状态。

Fail safe feature build in receiver. When receiver stop communication with transmitter, ESC will stop outputting, then steering channel output will maintain the latest position.

低电压告警 Low Voltage Warning

接收机内置了低电压告警功能，当接收机供电电压低于6.6V时，声音模拟器会通过喇叭播放持续的滴滴声告警，提醒电压过低。当接收机供电电压低于6V时，接收机会切断电子调速器的输出。

Low voltage warning feature build in receiver. When receiver power supply voltage under 6.6V, the speaker on the sound simulator will make Di-Di low voltage warning sounds. When receiver power supply voltage under 6V, receiver will cut down ESC output.

油门行程标定 Throttle Calibration

遥控器出厂前已经做了发射机和接收机油门中立点和最大行程的标定，不正确的中立点位置会导致车辆无法正常启动，同时不正确的最大行程会导致电机无法全油门段输出或者油门后段没有线性，此时需要对油门行程做一次标定，标定方法如下：

The remote factory setting has done the calibration of the throttle. Incorrect neutral position setting will lead to the vehicle can not be started properly, and incorrect maximum travel will lead to motor can not fully output or lose linear. At this point need to do a throttle calibration. Follow the steps below for calibration:

- 步骤一 长按接收机上的BIND/CFG按键，扬声器发出“滴---” ，释放按键进入标定模式；
  Step 1. Press and hold BIND/CFG button on the receiver, "Di---" sound comes out from speaker, then release the button now it is in the calibration mode;
- 步骤二 发射机油门扳机回中，短按BIND/CFG，“滴”声之后，完成中立点标定；
  Step 2. Throttle trigger return to the neutral position , click BIND/CFG button, after "Di" sound, neutral position calibration is done;
- 步骤三 将发射机油门扳机置于最大前进油门位置，短按BIND/CFG，“滴”声之后完成最大前进油门位置标定；
  Step 3. Pull the throttle trigger to the end, click BIND/CFG button, the max forward speed position has been set after one "Di" sound;
- 步骤四 将发射机扳机置于最大倒车油门位置，短按BIND/CFG，“滴”声之后，标定最大倒车油门位置标定；
  Step 4. Push the throttle trigger to the end, click BIND/CFG button, the max reverse speed position has been set after one "Di" sound;

完成上述步骤，扬声器发出“滴---”，标定成功，自动退出标定模式；
Then "Di---" sounds will come out from speaker, calibration is done. It will automatically quit calibration mode;

若扬声器发出＂滴，滴，滴” 表示标定失败，自动返回中立点标定，重新标定；
If three "Di, DI, DI" sound come out , means calibration did not success and it will return to neutral point calibration setting .

通电后，模拟器处于熄火状态，向前进方向轻扣油门扳机，声音模拟器启动；在完成启动声音之后，电机就会根据油门信号大小配合引擎声运转。

After power on, the sound simulator is off. Pull the throttle lightly in the forward direction and the sound simulator will play the start sound. After the start sound is played, the motor will run according to the throttle signal and engine sound.

发动机声音和电机动力输出匹配 Engine Sound And Motor Power Output Matching

发动机声音模拟器处于工作状态（音量非0%），当扣动油门扳机触发油门时，模拟器会播放发动机启动声音，此时内置的电子调速器不会立即输出动力，直到发动机启动音结束进入怠速状态后，电子调速器才会进入工作状态，控制车辆前进及后退。
当车辆处于熄火状态下，直接扣动油门扳机进入倒车油门行程，此时声音模拟器和电机均不工作，只有扣动扳机前进触发车辆启动后，才会正常工作。
当声音模拟器音量设置为0%时，此时声音模拟器将不工作，电子调速器会根据油门扳机前进后退立即作出响应并输出动力。

When engine sound simulator is working(volume>0%), pull the throttle trigger the sound simulator plays engine start up sound, however ESC will not work immediately. Until engine start up sound finished , ESC will enter working condition.
When vehicle is in shut down condition, push the throttle trigger to reverse, sound simulator and motor will not start, only pull the throttle trigger to forward will get the vehicle work properly.
Sound simulator stops work when volume set to 0%.

关于声音模拟器 About Engine Sound Simulator

该遥控器接收机内置的声音模拟器具备发动机启动、怠速、加速和熄火等音效。同时当油门处于怠速状态5秒后，会自动熄火。

该接收机内置了4.5W功率的音频放大器，可以驱动阻抗4欧的扬声器；
功放自带了削顶失真调节功能，避免由于过大的输入信号导致声音失真，因此当供电电压降低或者供电负载增加导致电压降低时，功放会降低输出增益，此时可能会出现播放声音减小的情况，当电压恢复后，声音会恢复增大。

This build in engine sound simulator come with engine start up, idle, speed up, and shut down sound. When it stays idling for 5 seconds, it will turn itself off.

The receiver built-in 4.5W audio amplifier, it can drive speaker impedance of 4 ohms. The amplifier come with clipping adjustment function, avoid large input signal leads to the distortion of sound. When the supply voltage is reduced or the load increased, the amplifier will reduce the output gain, the volume may be reduced. When the voltage is recovered volume will be also recoverd.

关于电子调速器 About ESC

该遥控器接收机内置了有刷电子调速器，其具备前进、后退、刹车功能，最大输出电流为1.8A， 超功率使用会损坏接收机。

The brush ESC is built-in the receiver. It has forward, backward and brake. The maximum output electric current is 1.8A, excess power will damage the receiver.

发射机功能参数定义 Transmitter Function Definition

D/R 最大行程调整：用于调整遥控器转向的最大行程，行程0-120%；
Steering Dual Rates : Used to adjust the maximum travel of the steering. Range: 0-120%;

TRIM 遥控通道中立点微调：用于调整转向、油门通道中立点位置，行程左25、右25；
Trim : Used to adjust neutral position of steering and throttle. Range: left 25 to right 25;

REV 遥控通道正反调整：用于调整转向、油门通道的正反输出；
Reverse Adjustment : Used to adjust the steering and throttle channels of positive or negative output;

EPA 遥控通道单边行程调整：可单独调整转向左右行程和单独油门前后行程，行程0-150；
End Point Adjustment : Adjust the steering left and right travel and the throttle forward and backward travel independent of each other. Range: 0-150;

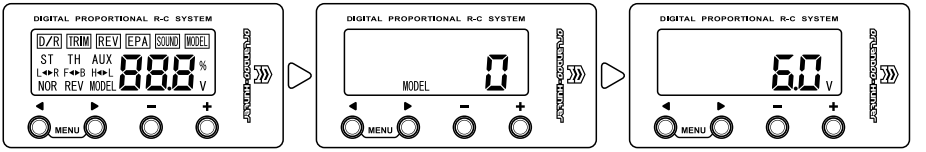
MODEL 模型记忆选择：可存储10个模型用于连接多个接收机的设定；
Model Select: It can store 10 models for connecting the receivers of multiple setting;

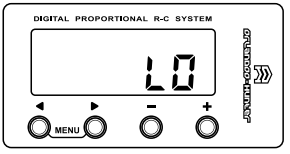
AUX 引擎声音选择：可以对内置的两段引擎声音进行切换。
Engine Sound Select: Switch the engine sound between the two built-in sounds.

开机工作 Turn On Transmitter

发射机打开电源液晶屏幕显示全部内容0. 5秒后显示当前选择的模型号，3秒钟后屏幕显示当前电池电压，至此发射机正常上电工作。

The transmitter turns on, the LCD screen displays all the contents. After 0.5 seconds, the current model number is displayed. After 3 seconds, the screen shows the current battery voltage. Then the transmitter is in proper working condition.





⚠ 注意 CAUTIONS

发射机具备低电压告警功能，当电池电压低于4. 6V、屏幕显示L0并且闪烁，请及时更换电池 ！

When the battery voltage is lower than 4.8V, the LCD will blink "LO". Then change the battery in time.

模型记忆选择 Model Select

D4L发射机可存储10个模型用于连接多个接收机的设定，用户可以通过选择不同的模型存储来实现对多个模型的相关数据的存储。

D4L transmitter can store 10 models for connecting the receivers of multiple setting, and the user can store the relevant data of multiple models by selecting different model.

打开发射机在开机3秒内同时按下 MENU 直到显示屏右上角的 MODEL 开始闪烁；

发射机进入了模型选择界面，此时通过操作 − + 选择对应的模型；

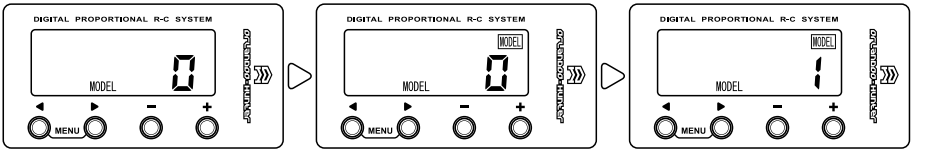
选择好模型后，重新开关发射机，此时发射机便进入了新的模型。

Turn on the transmitter and press together for 3 seconds MENU

Until the top right corner of the screen appears MODEL

Through operating − + to select the corresponding model;

After the model is selected, restart the transmitter, and the transmitter is in a new model.



⚠ 注意 CAUTIONS

每次选择一个未使用过的新的模型后，发射机和接收机需要一次对频，确保能够正确连接！

Each time selected a new model is not been used, the transmitter and receiver need to be pairing to ensure proper connection!

快速中立点微调设定 Fast trim setting

本遥控器具有快速调节转向和油门中立点微调的快捷键操作，能够在使用中迅速的调整转向和油门中立点；采用电子微调方式，调整过程中液晶屏实时显示当前调整的选项和数值显示，便于用户直观的了解调整情况。

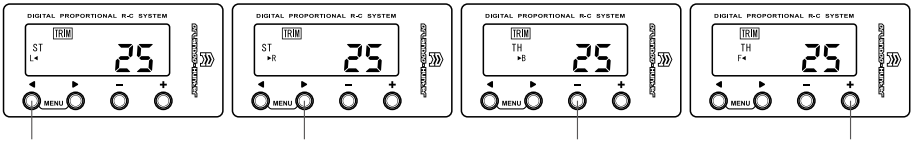
It can quickly adjust the steering and throttle neutral point. During the adjustment the LCD screen display options and the value of the current adjustment.

转向舵机中立点微调快捷按钮 

Steering trim fast adjustment button 

油门位置中立点微调快捷按钮 

Throttle trim fast adjustment button 



转向微调-左
Steering trim-left

转向微调-右
Steering trim-right

油门微调-后
Throttle trim-reverse

油门微调-前
Throttle trim-forward

⚠ 注意 CAUTIONS

- 转向和油门中立点微调的最大调整范围分别是整个行程的25%；
  The maximum adjustment range for steering and throttle neutral points is 25% of the total travel;
- 当使用快速中立点微调设置时，液晶显示会自动显示当前设定的通道、方向和当前微调数值；当3秒未进行按键操作后，液晶显示自动切回到电池电压界面；
  When using fast trimming settings, LCD display will automatically display the current channel, direction and current trimming value . No operation after 3 seconds LCD display automatic switch back to the battery voltage interface;
- 每按下一次按键微调数值增加1，当需要快速增加微调值，可以通过长按按键，数值将每秒增加10。
  For each click, the trimming value will increase 1 . When you need to increase the trimming value quickly, you can long press the button.

菜单功能 Menu Function

D4L是一款多功能发射机，更多的功能设定需要通过进入菜单功能来实现对各个功能的设置。
D4L is a multi-function transmitter. For more functions, enter the menu for more settings.

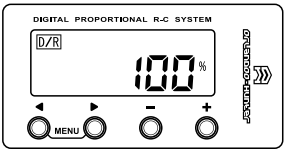
D4L共拥有4个独立的按键，通过独立操作和组合操作可以实现更多的操作。
D4L has 4 independent buttons,which can be operated by independent operation and combination operation.

进入菜单功能： 同时按住  1秒以上；

进入菜单功能后首先进入转向通道最大行程调整功能；

功能切换：  通过单击左右键来切换菜单功能选项；

参数设定：  通过单击 + − 键修改功能参数。



Enter Menu: Press  together for 1 second;

After entering the menu function, first one is the steering D/R adjustment;

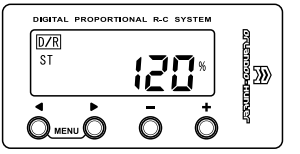
Function Switch:  click left or right key;

Parameter Setting:  click + or – key.

⚠ 注意 CAUTIONS

5秒内没有对按键进行操作，发射机会自动退出菜单功能。
No operating in 5 seconds, the transmitter will automatically withdraw from the menu function.

转向通道最大行程设定 ST D/R Setting



进入菜单功能，通过 切换到 D/R ST；

通过操作 改变最大行程数值；

每单击一次，数值改变1%，长按则以每秒10%连续改变。

Entering menu, click to D/R ST;

Operate to set the value;

For each click, the value increases by 1 %, and press and hold the button increases 10% every second.

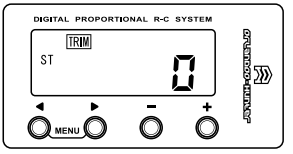
转向通道中立点微调 ST Trim Setting

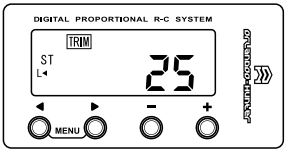
转向通道中立点微调可以通过2个方法设定：

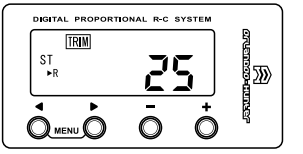
1、快速转向中立点微调；2、进入菜单选择转向中立点微调功能。

ST trim can be set by 2 methods:

1 , by fast ST fast trim setting; 2, by entering the menu function, select ST trim setting function.







进入菜单功能，通过 切换到 TRIM ST；

通过操作 转向中立点微调向左偏移 L◂，最大偏移量25；

通过操作 转向中立点微调向右偏移 ▸R，最大偏移量25；

Entering menu, click to TRIM ST;

Press shift ST trim to the left L◂ , maximum offset 25;

Press shift ST trim to the left ▸R , maximum offset 25.

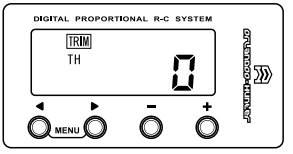
油门通道中立点微调 TH Trim Setting

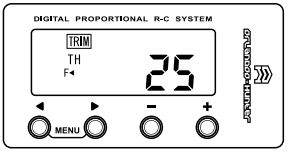
油门通道中立点微调可以通过2个方法设定：

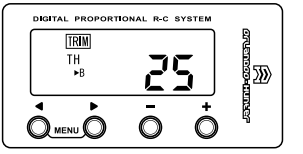
1、快速油门中立点微调；2、进入菜单选择油门中立点微调功能。

TH trim can be set by 2 methods:

1 , by TH fast trim setting; 2, by entering the menu function, select TH trim setting function.







进入菜单功能，通过 切换到 TRIM TH；

通过操作 油门中立点微调向后偏移 ▸B，最大偏移量25；

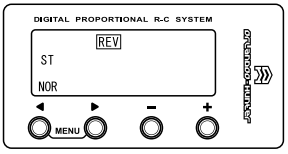
通过操作 油门中立点微调向前偏移 F◂，最大偏移量25；

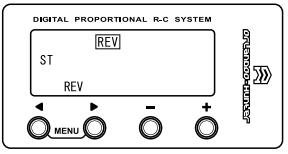
Entering menu, click to TRIM TH;

Press shift TH trim backward offset ▸B , maximum offset 25;

Press shift TH trim forward offset F◂ , maximum offset 25.

转向通道正反设定 ST REV Setting

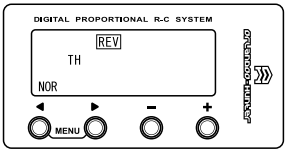


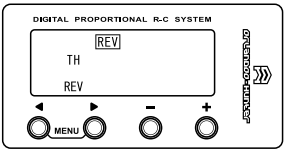


进入菜单功能，通过 MENU 切换到 REV ST；
通过操作 − + 设置转向通道反向设置；

Entering menu, click MENU to REV ST ;
Press − + set the ST channel reverse setting.

油门通道正反设定 TH REV Setting

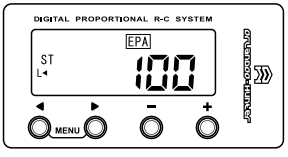




进入菜单功能，通过 MENU 切换到 REV TH ；
通过操作 − + 设置油门通道反向设置；

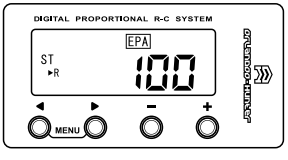
Entering menu, click MENU to REV TH ;
Press − + set the TH channel reverse setting.

转向通道单边行程设定 ST EPA Setting



进入菜单功能，通过 MENU 切换到 EPA ST；
通过转动发射机手轮来选择调节左边行程或右边行程；
通过操作 − + 改变最大行程数值，单边行程设置范围0-150。

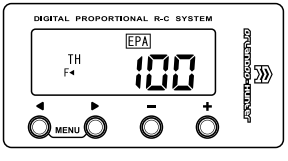
◀ 发射机手轮左转设定左边行程
Turn left to set left travel



Entering menu, click MENU to EPA ST;
Adjust the direction by rotating the steer wheel;
Press − + change maximum travel value, Single side travel range 0-150.

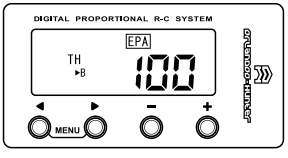
◀ 发射机手轮右转设定右边行程
Turn right to set right travel

油门通道单边行程设定 TH EPA Setting



进入菜单功能，通过 MENU 切换到 EPA TH；
通过扣动发射机油门扳机来选择调节前进行程或后退行程；
通过操作 − + 改变最大行程数值，单边行程设置范围0-150。

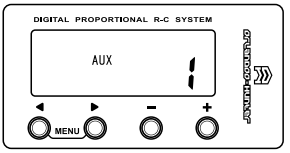
◀ 拉动发射机油门扳机设定前进行程
Pull to set the forward travel



Entering menu, click MENU to EPA TH;
Adjust the direction by rotating the steer wheel;
Press − + change maximum travel value, Single side travel range 0-150.

◀ 推动发射机油门扳机设定后退行程
Push to set the backward travel

引擎声音选择 Engine Sound Select



进入菜单功能，通过 MENU 切换到 AUX；

通过操作 − + 改变当前引擎声音，一共2个声音。

Entering menu, click MENU to AUX;

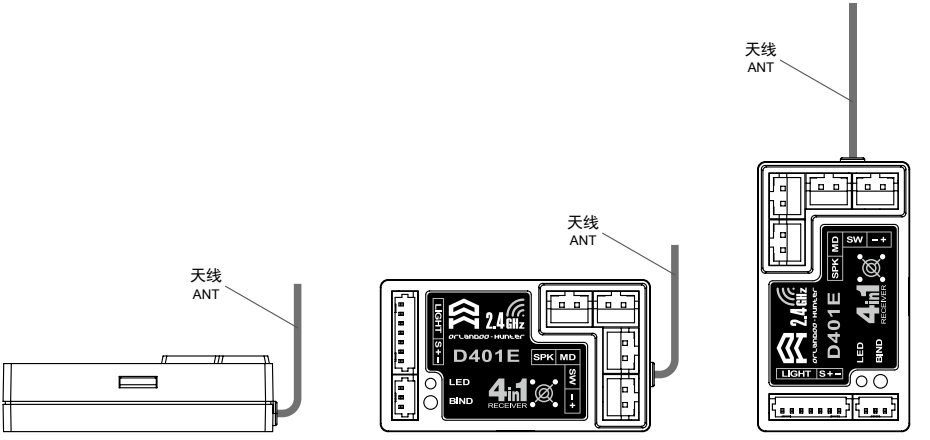
Press − + select the engine sound, between two engine sounds.

安装使用注意要点 Installation And Use Guide

本遥控器是一款2. 4G的无线产品，因此良好的安装和使用对产品性能有很大的影响。

The remote control is a 2.4G wireless products, a proper installation and usage will exert influence on performance of the product.

- 由于2. 4G信号的穿透力弱，为了保证可靠的通信，使用中需要确保发射机和接收机在无遮挡的情况下使用；
  Due to the poor penetration of 2.4G signals, it is necessary to ensure that transmitters and receivers are used without occlusions in order to ensure reliable communication;
- 该遥控器接收机内置2. 4G信号接收模块，因此安装时尽量远离其他电子产品、电机等，减少设备之间的互相干扰；
  A build-in 2.4G signal receiving module inside the receiver, so keep it away as far as possible from other electronic products, motors, etc., to reduce interference;
- 该遥控器发射机内置了天线，天线为垂直安装，使用过程中手握遥控器保持垂直姿势；
  A build-in antenna is inside the transmitter of the remote controller. The antenna is vertically installed. So keep the remote controller in a vertical position when using;
- 该遥控器接收机有一根天线，接收机安装过程中尽量保证天线与地面垂直，同时天线周边不要有金属等物品的遮挡。
  The remote controller receiver has an antenna, ensure that the antenna keep vertical position to the ground during the installation, and keep any metal materials away near the antenna.



由于射频产品受到外界环境的影响导致性能差异变化很大，上述安装和使用要点是为了尽量确保遥控器的射频信号能够有效，可靠的传输。良好的安装和使用是确保满足产品性能的必要前提。

As the radio frequency products are affected by the external environment, the performance differences vary greatly. The main points of installation and use are to ensure that the RF signals of the remote controller can be transmitted effectively and reliably. Proper installation and use are essential to ensure product performance.