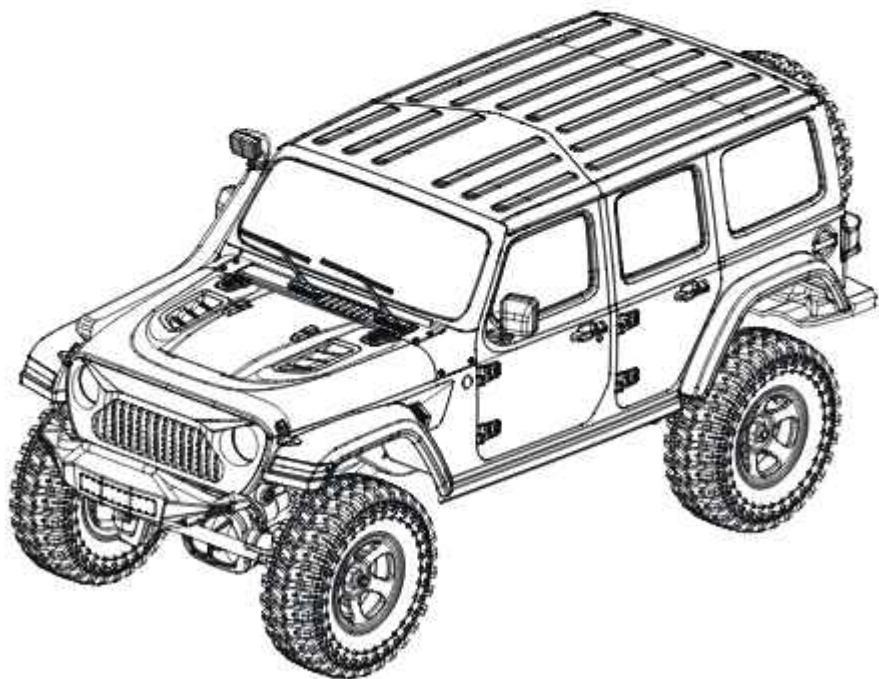




TAKE CONTROL, LET'S ROLL

1/18 THUNDERSTORM

雷霆风暴



Instruction Manual
操作手册

Install the Battery 安装电池

- ① Open the hood by releasing the two buckles in the front of the car shell.
- ② Place the battery in the battery compartment on the frame.
- ③ Connect the battery plug.

- ①打开图示车头位置的两个卡扣，掀开引擎盖；
- ②将电池放置在电池舱位；
- ③连接电池插头。



Note
注意

1. If it is not in use for a long time, unplug and take off the battery to prevent battery leakage.
2. Do not open, disassemble, or attempt to repair the battery.
3. The battery needs to be disconnected from vehicle before it can be charged
4. Do not charge battery in vehicle.
- 1、如果长时间不用，请拔下电池，以防电池损坏。
- 2、不要打开、拆解或试图维修电池。
- 3、在给电池充电之前，需要先断开电池与车辆的连接。
- 4、请勿在车内给电池充电。

Charge 充电

Car Battery: 2S Lipo 7.4V 380mAh

Charger: USB balance charger, charging time 30-45 minutes.

1. Connect the USB port of the charger to a power source, and then connect the battery to the charger.
2. When charging, the LED light will be red, and when charging is complete, the LED light will be green.
3. Do not charge unattended!
4. If you notice that the battery or charger is overheating, immediately disconnect the battery and charger, as this may be caused by an internal short circuit.

车电池: 2S Lipo 7.4V 380mAh

充电器: USB 平衡充电器, 充电时长30-45min。

电池充电:

1. 将充电器USB端口连接至电源，再将电池连接至充电器
2. LED灯红色为充电状态，LED灯状绿色为完成充电。
3. 请勿在无人看管的情况下充电!
4. 如果发现电池或充电器温度过热，请立即断开充电，因为这可能是由内部引起短路。

When you're looking for an RC model car that has a handsome appearance, excellent climbing performance, and great value for money, EazyRC's Thunderstorm is the perfect choice for you.

Its realistic hardshell body design boasts exquisite appearance and accurately reproduces the classic style of the American-style car making you feel like you're in a real off-road scene. Not only that, but the Thunderstorm's body is crafted with exquisite craftsmanship, featuring dual-color paint and metallic luster, capture the wild charm of off-roading to the fullest. Equipped with high-brightness LED headlights and taillights, controlled through a one-piece switch, you can enjoy a thrilling ride even in the dark.

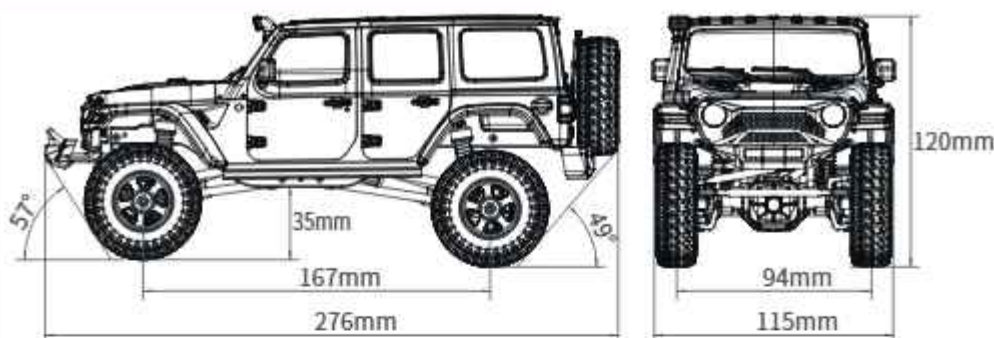
Aside from its fascinating appearance, the Thunderstorm also delivers amazing performance. The entire car features a non-bearing climbing chassis, a high-torque 050 brushed motor, and a bevel gear for the axle, all of which come with the Fkysky G3 multi-function remote control. The product itself boasts excellent climbing ability, good linear performance, and a convenient and flexible operating mode, making your driving smoother and easier.

EazyRC Thunderstorm is an RC simulation climbing car specially designed for beginners. With a handsome and tough appearance, great value for money, easy-to-learn operating mode, and a variety of supporting upgrade parts, every beginner player can easily experience the joy of driving.

如果你渴望拥有一款外形帅气、攀爬性能优秀、性价比高的RC模型车，那么EazyRC的雷霆风暴就是你的不二之选。像真模硬壳车身设计带来精致的外观，忠实还原美式吉普车的经典造型，让你仿佛置身于真实的越野场景之中。不仅如此，EazyRC 雷霆风暴的车身采用了精湛的制作工艺，金属光泽漆面，将越野的狂野魅力刻画得淋漓尽致。出厂配备高亮LED白光大灯与车尾刹车灯，通过一体式开关操控，让你在黑夜中依然能够畅快驰骋。

除了令人着迷的外观，这款雷霆风暴的性能更是让人惊艳。整车采用非承载式攀爬车底盘，本身具备优秀的攀爬通过性和线性表现，配备高扭力的050有刷电机、车桥金属伞齿和富斯G3多功能遥控器，让你的驾驶顺畅自如。此外，宽大的车身设计能有效降低整车的重心，增加行驶的稳定性。车架全封闭式设计和仿溅水电子配置，可以保证车辆涉水行驶。

EazyRC 雷霆风暴是一款专门为新手量身定制的RC仿真攀爬车，帅气硬朗的颜值，简单易学的操控方式，丰富多样的配套升级件，让每一位新手玩家，都能够轻而易举地获得纯粹的快乐。

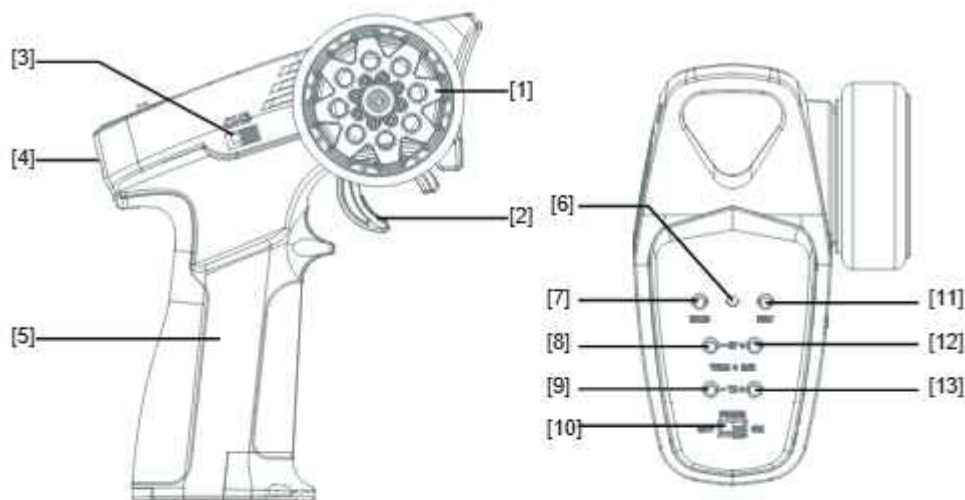


• Length: 276mm	• 车长: 276mm
• Width: 115mm	• 车宽: 115mm
• Height: 120mm	• 车高: 120mm
• Wheelbase: 167mm	• 轴距: 167mm
• Minimum Ground Clearance: 35mm	• 离地间隙: 35mm
• Motor: 050 Brushed Motor	• 电机: 有刷050电机
• Battery: 2S Lipo 7.4V 380mAh	• 电池: 2S Lipo 7.4V 380mAh
• Remote control distance: 30m	• 遥控距离: 30m
• Approx. operating duration time: 30mins	• 续航: 30mins
• Remote control: 2.4GHz	• 遥控: 2.4GHz

Features 特点

- An excellent value-for-money choice for entry-level RC cars.
- Exquisite and lifelike hardshell body appearance.
- Rich and textured dual-color car body paint finish.
- Sturdy non-bearing climbing chassis.
- Bright and impressive front and rear car light illumination.
- Stable and outstanding linear performance.
- FLYSKY G3 series multi-functional remote controller.
- Recommended gameplay with a wide range of compatible upgrade parts.

- 物超所值的RC车入门优选
- 精致像真的硬壳车身外观
- 富有质感的双色车身漆面
- 坚固的非承载式攀爬底盘
- 高亮的前后车灯光表现
- 稳定且优秀的线性表现力
- 富斯G3系列多功能遥控器
- 配套丰富的升级件推荐玩法



[1] Steering Wheel CH1
方向手轮 CH1

[2] Throttle Trigger CH2
油门扳机 CH2

[3] Three-position Switch CH3
三档开关 CH3

[4] Lanyard Eye
挂绳孔

[5] Handle (AAA*4 batteries can be installed inside
手柄(内可安装 AAA*4 电池)

[8] LED
指示灯

[7] BIND Button (Binding, turn on or off the car light
or reset data
BIND 按键 (对码) (对码、开启关闭车灯或数据复位)

[8] ST- Button (To decrease the trim and travel value of CH1
ST- 复位按键 (减小 CH1 微调 and 舵量)

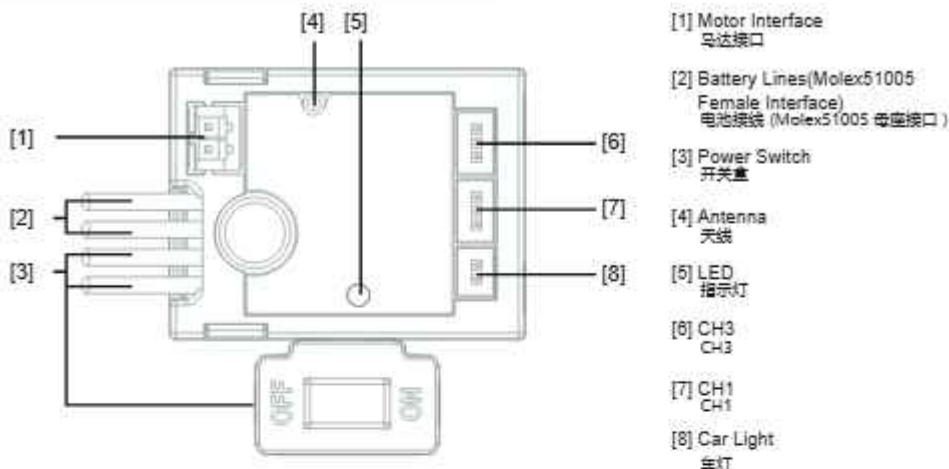
[9] TH- Button (To decrease the trim and travel value of CH2
TH- 复位按键 (减小 CH2 微调 and 舵量)

[10] Power Switch
电源开关

[11] REV Button (To reverse the CH1 or CH2
REV 复位按键 (控制 CH1 或 CH2 方向)

[12] ST+ Button (To increase the trim and travel value of CH1
ST+ 复位按键 (增加 CH1 微调 and 舵量)

[13] TH+ Button (To increase the trim and travel value of CH2
TH+ 复位按键 (增加 CH2 微调 and 舵量)



The LED Status of the Receiver 接收机指示灯

The LED status indicates the power supply state of the receiver and its working state.

Off: The receiver is not powered on.

Light on in red: The receiver is connected to the power supply. It works normally.

Fast flashing: The receiver is in the bind mode.

Slow flashing: The LED flashes slowly when the transmitter is powered off, unbound, or no signal.

接收机状态指示灯用于指示接收机的电源及工作状态。

灭: 接收机电源未接通。

红灯常亮: 接收机已连接电源, 并正常工作。

快速闪烁: 接收机处于对码状态中。

慢速闪烁: 发射机未开机或未对码, 无信号情况。

Interface 接口

All the servos' interfaces and the car light interface are 1.25 mm standard pins, and the motor interface is PH2.0 female interface. They are for connecting the receiver to each terminal part of the model.

舵机接口和车灯接口均为 1.25 mm 的标准端子座, 马达接口为 PH2.0 母座端子, 用于连接接收机与模型各个终端部件。

Antenna 接收机天线

It is an external antenna.

本接收机天线为外置单天线。



Do not pull the antenna of the receiver. Do not tie the antenna and the servo cable together.
不要拉扯接收机的天线, 也不要将天线和舵机连接线缆绑在一起。



Do not put the antenna close to the metal materials, because this will affect the signal strength of the receiver. Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal.

接收机天线需远离导电材料, 例如金属棒和碳纤维物质。为避免影响正常工作, 请确保接收机天线和导电材料之间至少有 1cm 以上的距离。

Transmitter Antenna 发射机天线

The transmitter has a built-in antenna. When the transmitter starts to work, the antenna automatically operate, without additional operations.

本发射机天线为内置天线，发射机开始工作，天线自动工作，无需单独进行操作！

Receiver and Servo Installation 接收机与舵机安装

Make sure that the receiver is mounted in an appropriate location within the model, to ensure a stable signal.

Pay attention to the following when installing the receiver:

1. Make sure the receiver is not installed near ESCs or other sources of electrical noise.
2. Keep the receiver's antenna away from conductive materials such as carbon or metal. To ensure normal function make sure there is a gap of at least 1cm between the antenna and the conductive material.

请结合相应模型的结构选择合适的位置安装接收机，同时为了确保接收机的性能和遥控距离的稳定，并防止外界干扰。

安装过程中请注意以下事项：

1. 确保接收机安装在远离电机、电子调速器或电子噪声过多的区域。
2. 接收机天线需远离导电材料，例如金属棒和碳纤维等。为了避免影响正常工作，请确保接收机和导电材料之间至少有 1 厘米以上的距离。

Caution 小心 To prevent damage do not power on the receiver during installation.
准备过程中，请勿连接接收机电源，以免造成不必要的损失。

Installing Transmitter Battery 发射机电池安装

Danger 危险 Only use specified battery (X4 AAA batteries).
仅使用厂家指定的电池。

Danger 危险 Do not open, disassemble, or attempt to repair the battery.
请勿打开、拆卸或自行维修电池。

Danger 危险 Do not crush/puncture the battery, or short the external contacts.
请勿挤压、刺穿或接触电池的金属端子。

Danger 危险 Do not expose to excessive heat or liquids.
请勿将电池置于高温环境或液体中。

Danger 危险 Do not drop the battery or expose to strong shocks or vibrations.
请注意防止电池跌落、碰撞或震动。

Danger 危险 Always store the battery in a cool, dry place.
请将电池存放在干燥阴凉的环境中。

Danger 危险 Do not use the battery if damaged.
如果电池损坏，请立即停止使用。

Battery Type: AAA

Follow the steps below to install the batteries:

1. Open the battery compartment cover.
2. Insert 4 AAA batteries with the correct polarity. Make sure it is connected with the correct polarity to avoid damage.
3. Replace battery compartment cover.

Low battery alarm: When the battery is lower than 4.2V, the transmitter will give a alarm with the LED flashing slowly.

电池类型使用: AAA 电池

请按以下步骤安装发射机电池:

1. 打开电池仓盖。
2. 将 4 颗电量充足的 AAA 电池装入电池仓内, 注意正负极方向并确保电池上的金属端子与电池仓内的金属端子接触。
3. 盖好电池仓盖。

低电量报警: 当电量低于 4.2V 时, 发射机即发出声音报警同时 LED 慢闪

Power-on 开机

Follow the steps below to turn on the transmitter:

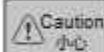
1. Check to make sure that the batteries are fully charged and installed correctly.
2. Toggle the Power Switch to the [ON] position, and the LED will be solid on.
3. Connect the receiver to power.

Note: For safety always power on the transmitter before the receiver.

请按以下步骤进行开机:

1. 检查系统状态, 确保电池电量充足并正确安装;
2. 将开关拨到 [ON] 位置, 指示灯常亮;
3. 接收机通电。

注: 为保障模型及人员安全, 使用时请先打开发射机再给接收机通电



小心

Operate with caution in order to avoid damage or injury.
此时系统已启动, 请谨慎操作, 否则可能导致产品损坏或人员伤亡。

The LED Status of the Transmitter 指示灯

The LED status indicates the power supply state of the transmitter and its working state.

Off: The transmitter is not powered on.

Fast flashing: The transmitter is in the bind mode.

Slow flashing: Low voltage alarm

Gradual: The transmitter is in Sleep mode or in Idle alarm state.

Three-flash-one-off: The transmitter is in standby state, while the bound receiver is powered off, unbound, or no signal.

发射机状态指示灯用于指示发射机的电源及工作状态。

灭: 发射机电源未接通。

快速闪烁: 发射机处于对码状态中。

慢速闪烁: 低电压报警。

呼吸灯闪烁: 发射机处于休眠模式或闲置报警状态。

三闪一次: 发射机处于待机状态, 但对码的接收机未开机、已关机或掉码。

Binding 对码

The transmitter and receiver have already been bound at the factory.

However if the receiver needs to be replaced or additional receivers bound follow these steps:

1. Turn on the transmitter while holding the bind button to put the transmitter into bind mode. Meanwhile the LED will flash quickly, and release the bind button.
2. The receiver will power on and wait for 1 second, if without connection, it will enter the binding state automatically.
3. The receiver's LED is solid on, indicating the binding is successful.
4. Check to make sure the transmitter and receiver functions are working correctly, repeat steps 1 to 3 (binding process) if any problems arise.

Note: If the binding is not completed within ten seconds, the LED of the receiver will enter its slow flashing state.

发射机和接收机在出厂前已对码成功。

如需更换其他的发射机或接收机, 请按以下步骤重新对码, 本发射机支持双向传输, 对码步骤如下:

1. 按下发射机的 BIND 键, 并将 POWER 键拨至 [ON] 位置, 发射机即进入对码状态, 此时发射机指示灯快闪, 松开对码键;
2. 接收机通电进入对码状态;
3. 接收机 LED 灯常亮, 即对码成功 (发射机对码成功后自动退出对码状态);
4. 检查发射机、接收机是否正常工作, 如需重新对码, 请重复以上步骤。

注: 若十秒内对码没有完成, 接收机 LED 指示灯进入慢闪状态。

Stick Calibration 摇杆校准

This function is used to set the neutral position for throttle trigger and steering wheel.

Every transmitter is calibrated before leaving the factory, however if recalibration is required, please follow these steps:

1. Turn and hold the wheel clockwise to the max travel point and push the throttle forwards as far as possible, then turn on the transmitter. It will enter calibration mode. The buzzer sounds shortly in cycle for prompt.
2. Turn the steering wheel to max and min travel point in clockwise and counterclockwise. Then push/pull the trigger to forward/backward as far as it will go. The wheel and trigger go back to the neutral position. Once calibration is finished by press the bind key to save and exit.
 - If the calibration is completed successfully, the transmitter will exit calibration mode by pressing BIND button, meanwhile the buzzer will prompt with one short beep, and afterwards, the transmitter is in standby mode with the LED in three-flash-one-off state.
 - If the calibration is failure, the transmitter can not exit the calibration mode by pressing BIND button.

用于方向手轮和油门扳机的中位角度修正。

发射机在出厂前已校准完成。如需重新校准，请按以下步骤执行。

1. 将发射机手轮顺时针打到最大，前推油门扳机至最大，并将 POWER 键按至 [ON] 位置，即进入摇杆校准模式（指示灯常亮）。蜂鸣器短鸣一声循环提示。
2. 将手轮和扳机行程打到最大和最小后，回至中位位置，然后按 BIND 键保存并退出校准模式。
 - 若校准成功按 BIND 按键可退出校准模式，蜂鸣器短鸣一声循环提示，随后发射机进入待机模式（指示灯三闪一次）。
 - 若校准未通过，按 BIND 按键无效，即不能退出校准模式。

Power Off 关机

Follow the steps below to turn off the system:

1. Disconnect the receiver power.
2. Toggle the transmitter's Power Switch to the OFF position.

请按以下步骤关机：

1. 断开接收机电源。
2. 将 POWER 键按到 [OFF] 位置，使发射机关闭。



Danger 危险 Make sure to disconnect the receiver power before turning off the transmitter. Failure to do so may lead to damage or serious injury.
关闭时，请务必先关闭接收机电源，再关闭发射机，否则可能导致模型损坏、人员受伤。

Channel Description 通道说明

The transmitter outputs a total of 3 channels, the function assignment and settings are as follows:

该发射机共输出 3 个通道，功能分配及设置如下：

Channel 通道	Assigned Control 已分配的控件	Function 功能
CH1	Steering Wheel 方向手轮	Steering To make the model car to turn right or left.) 方向 (控制车子左右转向。)
CH2	Throttle Trigger 油门扳机	Throttle To control the model car to move forward or backward.) 油门 (控制车子前后行驶。)
CH3	Three-position switch CH3 三档开关 CH3	Fast-/Median-/slow-position servo channel, to switch the speed positions of the model car. Toggle the control to switch between fast-position and slow-position. 快中慢档舵机通道，切换车子速度档位。 拨动控件切换快档和慢档。

Drag brake function (default:0%) ,factory setting 100% + brake function (default: without brake) ,factory setting with brake

拖刹功能(默认:0%) , 出厂设置为100% + 刹车功能 (默认不带刹车) , 出厂设置带刹车

Under normal power-on, quickly press the REV button twice within 1 second to enter the mode, and the green light will flash. Select the appropriate drag brake setting value as shown below, press the corresponding button, and then quickly press the REV button twice within 1 second to exit.

ST-: 0%

ST+: 50%

TH-: 75%

TH+: 100%

Press the BIND button to cycle through with and without brake

正常开机状态下, 1秒内快速按REV按键两下进入模式, 此时绿灯闪亮, 在下列按键里选取所需拖刹设定值, 按一下选定, 再快速按REV按键两下退出模式。

ST- 为 0%

ST+ 为 50%

TH- 为 75%

TH+ 为 100%

连续按BIND按键循环切换带刹车和不带刹车功能

Trims and travel of gear shift servo 换挡舵机微调/舵量

Under normal power-on, quickly press the BIND button twice within 1 second to enter the mode, and the green light will flash. Press the corresponding button to adjust to the appropriate state, and then quickly press the BIND button twice within 1 second to exit.

ST+/-: Increases /decreases adjustment step

TH+/-: Increases /decreases servo travel

正常开机状态下, 一秒内快速按BIND按键两下进入模式, 此时绿灯闪亮, 连续按下列按键调整至所需状态后, 快速按BIND按键两下退出模式。

ST+/- 为换挡舵机微调

TH+/- 为换挡舵机舵量

Channel Reverse 通道反向

To reverse the output direction of the channel.

- When the steering wheel is located in the maximum travel or minimum travel, press the REV button to reverse CH1. When you press once, it switches once.
- When the throttle trigger is at the maximum or minimum travel and the steering wheel is in the neutral position at the same time, press the REV button to reverse CH2. When you press once, it switches once. When the reverse action of the channel takes effect, the buzzer will sound shortly for prompt.

Note: Pay special attention on throttle channel reverse operation due to safety concern, as the model car will move in full speed when the trigger is at full throttle position!

该功能用于调整通道的动作方向。

- 方向手轮位于最大行程或最小行程时, 按 REV 按键可使通道 1 反向, 按一次切换一次。
- 油门扳机位于最大行程或最小行程时, 同时方向手轮位于中位时, 按 REV 按键可使通道 2 反向, 按一次切换一次。通道反向动作生效时, 蜂鸣器短鸣一声提示。

注: 油门通道反向时, 请注意安全 (最大油门时车子会以全速驱动) !

Trim Setting 微调

To adjust the trim value of the channel.

- When the steering wheel is in the neutral position, press the ST+/- button to adjust CH1 trim.

- When the throttle trigger is in the neutral position, press the TH+/- button to adjust CH2 trim.

ST+/TH+: Increase the trim value. ST-/TH-: Decrease the trim value. Trim range: -150 us – 150 us; The step is 5us; by default, it is 0.

When the trim setting action takes effect, the buzzer will sound shortly for prompt. If you press and hold it, the value remains changes continuously. The buzzer will sound twice for prompt when the trim is across the neutral position. And when it reaches the endpoint, the buzzer will sound long for prompt.

该功能用于调整速度微调。

• 当方向手轮位于中位时，按 ST +/- 按键，可调整速度 1 微调。

• 当油门扳机位于中位时，按 TH +/- 按键，可调整速度 2 微调。

ST +/- TH +/-：增大微调值。ST -/TH -：减少微调值。微调调节范围：-150us~150us，调节步进为 5us，默认为 0。
微调设置动作生效时，蜂鸣器短响一声提示，长按快速调节，微调过中位时，蜂鸣器短响一声提示，到终点时长响一声提示。

D/R Setting 舵量调节

To adjust the travel range value of the channel.

• When the steering wheel is located in the maximum travel or minimum travel, press the ST +/- button to adjust CH1 travel value.

• When the throttle trigger is at the maximum or minimum travel, press the TH +/- button to adjust CH2 travel value.

ST +/- TH +/-: Increase the travel value. ST -/TH -: Decrease the travel value. Travel range: 0-120%, by default, it is 100% the step is 5%.

When the travel setting action takes effect, the buzzer will sound shortly for prompt. If you press and hold it, the value remains changes continuously. The buzzer will sound long for prompt when reaching the endpoint.

该功能用于调整速度的舵量。

• 方向手轮位于最大行程或最小行程时，按 ST +/- 按键，可调节速度 1 舵量。

• 当油门扳机方向手轮位于最大行程或最小行程时，按 TH +/- 按键，可调节速度 2 舵量。

ST +/- TH +/-：增加舵量值。ST -/TH -：减小舵量值。调节范围：0-120%（默认 100%），步进为 5%。

舵量设置动作生效时，蜂鸣器短响一声提示，长按快速调节，舵量至终点时，蜂鸣器长响一声提示。

Failsafe Setting 失控保护

The failsafe function is used to protect the model and personnel when the receiver is out-of-control. The CH2 will be in brake mode when the receiver is out-of-control.

By default, and the receiver will keep outputting the last channel value in case of out-of-control.

• When the transmitter is in normal working state, press and hold the BIND button for 3S to start the failsafe function.

The current channel value is set as the failsafe value. The buzzer will sound long for prompt after the setting is successful.

Note: When the transmitter binds with a receiver once more, the failsafe setting will restore to default setting

此功能用于当接收机无法正常收到发射机的信号不受控制时，保护模型和操作人员的安全。失控后 CH2 速度进入刹车状态。

该发射机默认设置时接收机速度保持最后输出。

• 开机正常状态下，长按对码按键 3S 触发失控保护设置，将当前的速度值作为失控保护值。动作设置成功时，蜂鸣器长响一声提示。

注：重新对码时恢复默认设置。

Reset Data 数据复位

To reset the function data.

• Press and hold the BIND button and REV button while powering on the transmitter, to reset the function data, and the buzzer will sound long for prompt.

Note: The failsafe setting, binding information and stick calibration will not be reset.

此功能用于将发射机功能参数恢复为默认值。

• 按住发射机的 BIND 键和 REV 键后，并将 POWER 键拨至 [ON] 位置，即恢复数据。蜂鸣器长响一声提示。

注：失控保护设置、对码信息和摇杆校准数据不复位。

Idle Alarm 闲置报警

The transmitter will go into idle alarm state when there is no operation over 10 minutes.

• When the transmitter is in idle alarm state, the transmitter LED is in gradual light state, the buzzer sounds twice quickly in cycle for prompt. Operations of any control on the transmitter will cancel the alarm, as a result of the exit of the idle alarm state.

当发射机未操作时间大于 10 分钟时，即进入闲置报警状态。

• 在此状态下，发射机指示灯为呼吸灯闪烁状态，蜂鸣器循环快响两声提示；操作发射机上的任意控件将解除并退出闲置报警状态。

Sleep Mode

睡眠模式

When the transmitter has been in idle alarm state over 2 minutes, it will enter the sleep mode.

• In this mode, the transmitter LED is in gradual light state, the buzzer is off and the RF is off. The transmitter will enter low power consumption state, and no responsive in case of operations of any control. To exit the sleep mode, power off the transmitter and restart it.

当发射机处于闲置报警状态时间大于 2 分钟时, 即进入休眠模式。

• 在此模式下, 发射机指示灯为呼吸灯闪烁状态, 蜂鸣器关闭, RF 关闭, 发射机将停止一切工作, 进入低功耗休眠状态。此时操作任意控件发射机都无响应, 必须关闭电源重启发射机才能退出休眠模式。

Low Voltage Alarm 低电压报警

When the transmitter voltage has lower than 4.2V, it will enter the low voltage alarm state.

• When the transmitter is in low voltage alarm state, the transmitter LED will be in gradual status and will sound shortly for prompt the buzzer.

Note: The RF is off when the batteries voltage is lower than 3.5V for the model's and the system's safety.

当发射机电压电压低于 4.2V 时, 即进入低电压报警状态。

• 在此状态下, 发射机指示灯为慢闪状态, 蜂鸣器短鸣一声循环提示。

注: 为保护系统和模型的安全, 电池电压低于 3.5V 时, 无线系统将停止工作。

Offline Prompt

离线提示

When the transmitter is in normal state, once it detects the bound receiver has turned off, or disconnected over 2S, the transmitter LED will be in three-flash-one-off state for prompt.

Note: When the transmitter received the information of the bound receiver again, it will exit the offline prompt state.

当发射机在正常工作状态下, 检测到已对码的接收机未开机、已关机或掉线时间大于 2S 时, 发射机指示灯三闪一灭提示。

注: 若收到已对码的接收机回传信息后, 即退出离线提示状态。

Attentions

注意事项

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.
- Make sure the receiver is mounted away from motors, electronic speed controllers or any device that emits excessive electrical noise.
- Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal.
- Do not power on the receiver during the setup process to prevent loss of control.

- 使用的必须确保本产品与模型安装正确, 否则可能导致模型发生严重损坏。
- 关闭时, 请务必先关闭接收机电源, 然后关闭发射机。如果关闭发射机电源时, 接收机仍然在工作, 将会导致遥控设备失控, 失控保护装置不合理可能引起事故。
- 确保接收机安装在远离电机或电子噪声过多的区域。
- 接收机天线需远离导电材料, 例如金属棒和碳物质。为了避免影响正常工作, 请确保接收机天线和导电材料之间至少有 1 厘米以上的距离。
- 准备过程中, 请勿直接接收机电源, 避免造成不必要的损失。

Protect Function 保护功能

The receiver has low voltage protection and overheating protection function.

- Low voltage protection: When the voltage of the receiver is lower than 6.4V, all channels have no output.
- Overheating protection: When the receiver temperature is too high, CH2 motor channel has no output and CH1 channel has normal output. When the temperature returns to be normal, the overheat protection function becomes unavailable, that is, the normal output of CH2 resumes.

本款接收机具有低压保护和过热保护功能。

- 低电压保护: 接收机电压电压低于 6.4V 时, 所有通道无输出。
- 过热保护: 当接收机温度过高时, CH2 马达通道无输出, CH1 通道正常输出; 当温度恢复正常时, 则退出过热保护功能, 即 CH2 恢复正常输出。

Car Light Control

车灯控制方式

When the receiver and the transmitter has connected normally, press the BIND button to turn on or turn off the car light. By default, the car light is off.

在发射机与接收机正常通信状态下，短按发射机 BIND 按键开或关闭车灯。默认为关闭状态。

Failsafe

失控保护

The receiver supports the failsafe function, it needs to be set at the transmitter side, refer to Failsafe for details.

本接收机支持失控保护功能，需在发射机端设置，操作步骤请查看《失控保护》。

Transmitter Specifications 发射机规格

- Product Model: FMS-G3
- Compatible Receivers: FMS-R3A
- Compatible Models: 1:18, 1:24 simulation cars or climbing cars
- Number of Channels: 3
- RF: 2.4GHz ISM
- Maximum Power: < 20dBm (e.i.r.p.) EU
- 2.4G Protocol: AFHDS 2A-B5
- Resolution: 1024
- Input Power: 6V DC or 1.5AAA*4
- Working Current: 10mA (Static) 120mA/6V (Dynamic)
- 产品型号: FMS-G3
- 适配接收机: FMS-R3A
- 适配模型: 1:18, 1:24 仿真或攀爬车模型车
- 通道个数: 3
- 无线频率: 2.4GHz ISM
- 发射功率: < 20dBm
- 无线协议: AFHDS 2A-B5
- 通道分辨率: 1024 级
- 输入电源: 6V DC 或 1.5AAA*4
- 工作电流: 10mA (静态); 120mA/6V (动态)
- 低电压报警: < 4.2V
- 天线类型: 内置单天线
- 数据接口: 无
- 温度范围: -10°C ~ +60°C
- 湿度范围: 20% ~ 95%
- 在线更新: 无
- 发射机颜色: 蓝色
- 外形尺寸: 115.2*75.5*145mm
- 机身重量: 113g 左右
- 认证: CE, FCC ID: 2A2UNG300

Receiver Specifications

接收机规格

- Product Model: FMS-R3A
- Compatible Transmitters: FMS-G3
- Compatible Models: 1/18 climbing cars
- PWM Channels: 2
- Number of Lights: 1
- RF: 2.4GHz ISM
- 2.4GHz Protocol: AFHDS 2A-B5
- Input Power: 2S Lithium batteries
- Continuous / Peak Current: 10A/40A
- BEC Output: 5V/1A
- Maximum Power: < 20dBm (e.i.r.p.) EU
- Antenna: External antenna
- Data Output: PWM
- Resolution: 1024
- Temperature Range: -10 ~ +80
- Humidity Range: 20% ~ 95%
- Online Update No
- Dimensions 32*24.4*12mm
- Weight: 8g
- Waterproof PPX4
- Certification: CE, FCC ID: 2A2UNR3A00
- 产品型号: FMS-R3A
- 适配发射机: FMS-G3
- 适配模型: 1/18 攀爬车模型车
- PWM 通道: 2
- 车灯组数: 1
- 无线频率: 2.4GHz ISM
- 无线协议: AFHDS 2A-B5
- 输入电源: 2S 锂电
- 持续 / 峰值电流: 10A/40A
- BEC 输出: 5V/1A
- 发射功率: < 20dBm
- 天线类型: 外接单天线
- 数据输出: PWM
- 通道分辨率: 1024 级
- 温度范围: -10°C ~ +60°C
- 湿度范围: 20% ~ 95%
- 在线更新: 无
- 外形尺寸: 32*24.4*12mm
- 机身重量: 8g 左右
- 防水等级: PPX4
- 认证: CE, FCC ID: 2A2UNR3A00

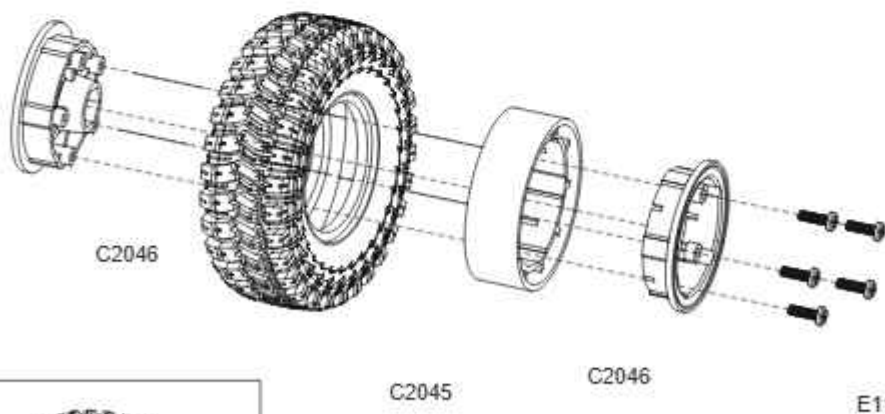
Shock Absorbers Assembly 避震器

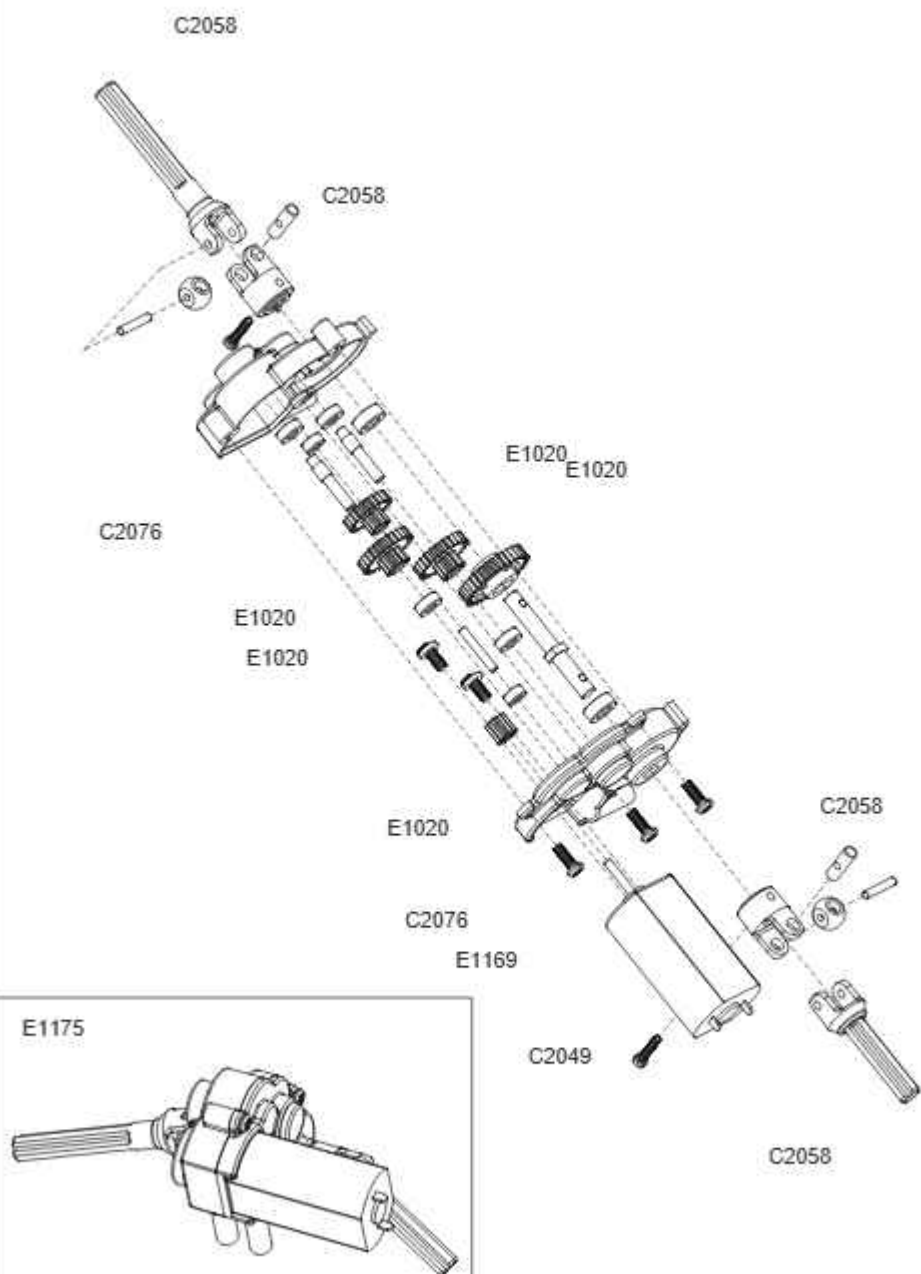


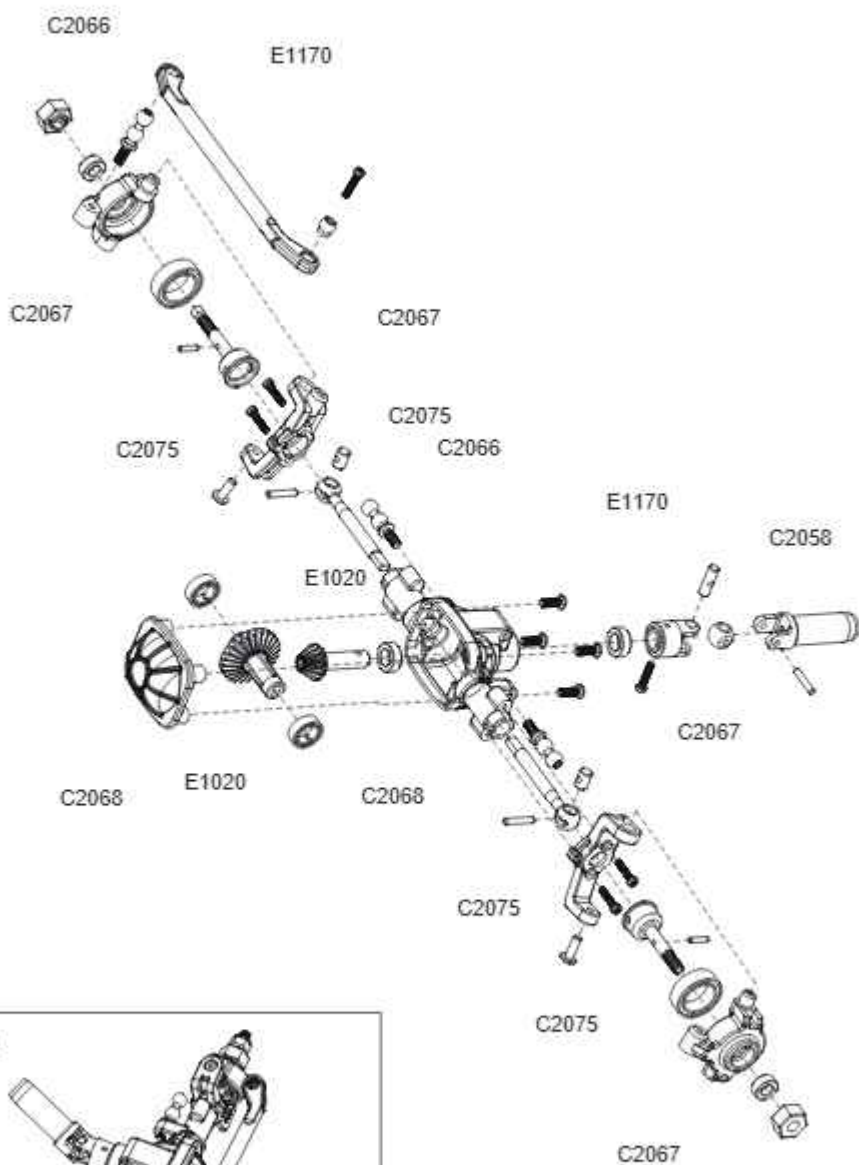
E1174



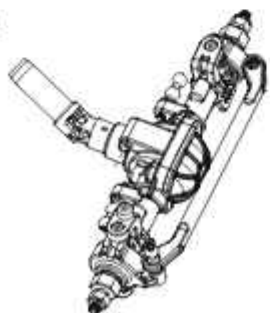
Wheel Set 轮胎

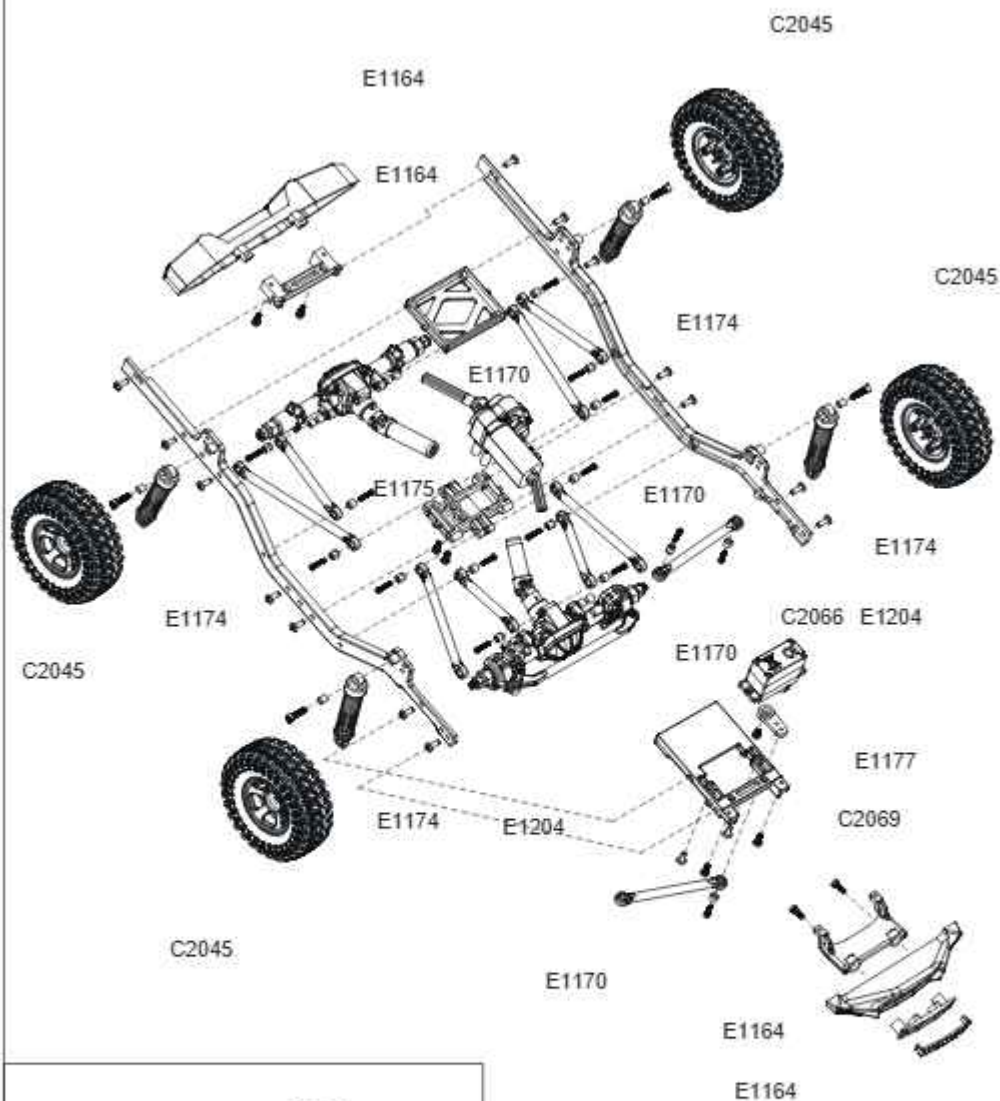


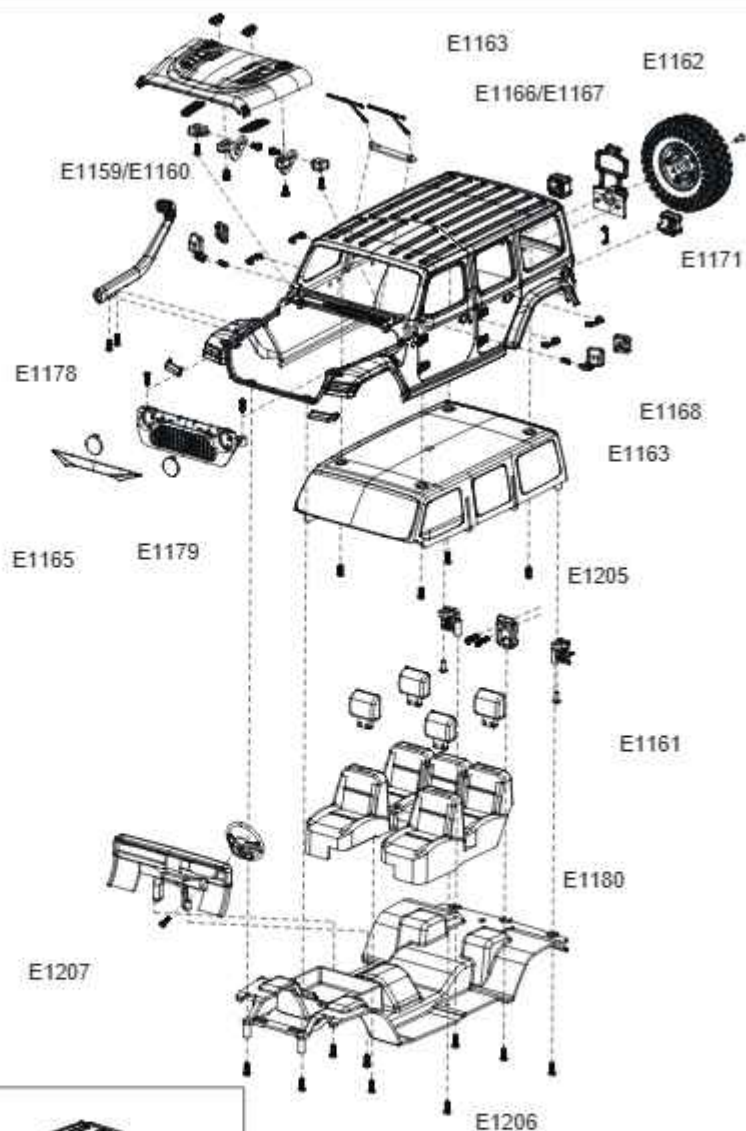


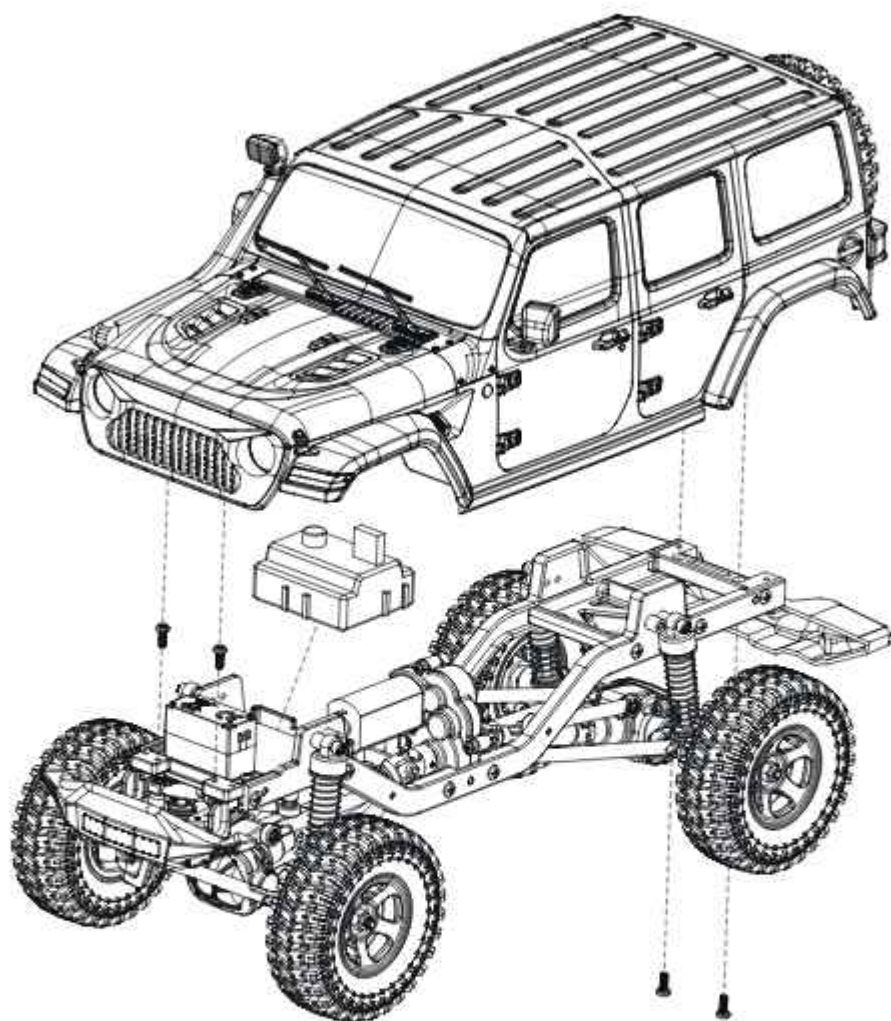


E1202









Spare parts list 配件表

E1159	Hood red	引擎盖 暗红
E1160	Hood blue	引擎盖 暗蓝
E1161	Front and rear light cup set	前后灯杯组
E1200	Hood mount set	引擎盖连接座
E1162	Spare tire bracket	备胎架
E1163	Rearview mirror and wiper	雨刮器及后视镜
E1164	Bumper set	防撞
E1165	Lens set	灯镜片
E1166	Body shell red	车壳 暗红色
E1167	Body shell blue	车壳 暗蓝色
E1168	Handle set	门拉手
E1169	Screw set	螺丝
E1170	Connecting rod	连杆
E1171	Mirror lens	镜片
E1172	Transmitter G3 V3	发射器 G3 V3
E1173	Receiver R3A V3	二合一电调接收
C2045	Teraz tire 19.2 x 13.5 x 58	Teraz 轮胎
C2046	Star style wheels plastic parts	星状轮毂
C2049	050 motor set	050电机+电机齿
C2068	Transmission shaft full set	传动轴
E1174	Shock plastic parts	避振器
C2065	M4 ally ball	M4铝波
C2066	Ball head	球轴
C2067	Steering hub & spindle	C座散件
C2068	Front/rear axle parts	前/后桥散件
C2069	Servo horn	舵机摆臂
C2071	Wheel hex	车轮六角接合件
C2074	Rear wheel shaft	后轮轴
C2076	Front outdrive shaft	前轮转向轴
C2076	Gera box plastic parts	牙箱散件
E1175	Main gear box set V2	驱动牙箱总成 V2
C1380E	Lipo battery 2S 380mAh	7.4V 380mAh 电池
E1016	Usb charger	USB 平衡充电器 7.4V 1000mA
E1020	Gear set	齿轮
E1176	Light set	灯线组
E1177	3 wire 9g servo	9克舵机
E1178	Wading throat	沙水喉
E1179	Grille B	面罩B
E1180	Seat	座椅
E1181	Front bumper B	前防撞B
E1182	Rear bumper B	后防撞B
E1198	Personality decal sheet A	个性贴纸 A
E1199	personality decal sheet B	个性贴纸 B
E1202	Front axle assembly	前桥总成
E1203	Rear axle assembly	后桥总成
E1204	Frame rail set	大梁
E1205	Windows	车窗
E1206	Chassis	底板
E1207	Dash board set	仪表盘

The instruction sheet for this product is just for your reference. We reserve the right to make changes or adjustments on the product without prior notification. Please refer to the official information.

本产品说明书内容仅供参考。本公司有权对产品进行更改或调整，恕不再另行通知，具体请以官方为准。

Warning 警告

Choking hazard! This product contains small parts. NOT suitable for children under 3 years. Contains electrical components and should be kept dry at all times. Regularly check the battery charger wires, plugs and shell and other components for damage. DO NOT use if any part is damaged.

本产品含有小零件请勿让三岁以下儿童玩耍；本品含电子元件，不得入水或在潮湿环境下使用；电池充电器应定期检查其电线、插头、外壳和其他部件是否损坏，发现损坏时应停止使用。

Warnings & Cautions 注意事项

- Detachable small parts should be stored safely and out of reach of children.
- If interference is experienced, turn the model off and try it again in a different area.
- Transmitter will not function correctly if the batteries are low. Please replace the batteries.
- Please discard old/used batteries in a safe manner. Consider your environment!
- Please store the remote control model in cool, dry place.
- DO NOT expose to fire or high temperatures, do not store in moist place.
- Once the battery get wet, wipe immediately with a soft dry cloth. If the battery is deformed, please stop using.
- If you don't use the model for a long time, please raise the chassis to let the wheels hang in the air.

- 可拆卸的小零件要放好，千万不可让小孩吞食。
- 如操作场地有电波干扰，请另选场地操作。
- 遥控器电源低电时，请立即停止操作，并更换新电池。
- 对拆解后的包装物和使用过的旧电池，请不要随地丢弃，以免污染环境。
- 请将您的遥控模型存放在干燥、阴凉的地方。
- 不要置于近火和高温、潮湿的地方储存。
- 当电池被水浸湿，请将水分充分地擦拭干净，如有变形，请停止使用。
- 若长时间不使用请将模型车的底盘架高，让车轮悬空。

Precautions for Battery Use 电池使用注意事项

- Transmitter uses 4x1.5V "AA" batteries.
- Please pay attention to correct polarity when replacing batteries.
- Rechargeable batteries should be charged under adult supervision.
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.
- After the battery is exhausted, the battery should be removed.
- Exhaust battery should be safely disposed!
- DO NOT short circuit any terminals.
- DO NOT attempt to recharge non rechargeable batteries.
- Remove batteries from the model before charging.
- DO NOT put batteries into a fire or into water.
- The rated input voltage battery charger MUST be suitable for your mains power voltage.
- During charging it is quite normal for the charger and batteries to heat up.
- Do not swallow battery!
- Store only in cool, dry and dark places and should be keep out of the children!
- If battery leakage occurs and the liquid accidentally gets into eyes, wash immediately with plenty of water and go to the nearest hospital.

- 遥控器使用4节 1.5V “AA” 号电池；
- 安装或更换电池时请注意极性；
- 充电电池只能在成人监护下充电；
- 不可混用新旧或不同型号的电池；
- 电池电量用尽后，应从模型内取出；
- 将耗尽电量的电池交给专门的环保部门处理！
- 接线端不应短路；
- 非充电电池不可充电；
- 充电电池充电前应从模型中取出；
- 请不要将坏的电池、电池组分解或扔到火中、水里，以免发生意外；
- 充电器的额定输入电压必须与当地的家用电压相符；
- 在充电过程中，充电器和电池出现微温，属于正常现象。
- 不可吞咽电池！
- 将电池放在凉爽、干燥避光及小孩接触不到的地方！
- 如果出现电池漏液现象且液体不慎入眼，请立刻用大量的清水清洗，并就近去医院就诊。

Safety Precautions 安全注意事项

- It is a radio control model, not a toy!
- In order to enjoy running the car, you need to finish assembly before operation. Do routine maintenance work after operation. Replacement parts and option parts are available separately.
- Improper usage with Alkaline cells or rechargeable batteries may damage the electronics for the car or the radio.
- 此无线遥控模型并非玩具！
- 操作前要完成装配，以便可享受到更多的乐趣。操作后要维护工作，替换零件和自选零件可分别提供。
- 干电池或充电电池的不当使用，会损害车或无线电系统。



In order to operate the car safely. Be sure that you have observed the following points:

为了安全地操作此模型，请遵守以下规定：

Please follow the points as below in order to prevent accident from happening to the car and people.
为了避免发生事故(对车和人而言)，请遵循以下各项。

- Be sure to read thoroughly the manual before you begin. Fresh user should seek advice from people having rich experience in order to assemble the model correctly.
- Cutters, nippers and screwdrivers need careful handling.
- As the product contains small and sharp parts, assemble and store this product only in places out of the reach of children.
- Do not expose this model to high temperature, humidity or direct sunlight.
- Never reverse connection/ disassemble the battery. This may lead to damage and leakage.
- When the model car is not in use, the model car should be turned off first, and then the remote control power supply. In addition, disconnect the battery from the model car and remove the battery from the remote control to avoid overheating or leakage.
- 开始组装前，须彻底阅读说明书。为了正确地装配模型，首次装配者应请教有操作经验的人。
- 刀具，钳子，螺丝等需小心处理。
- 产品含有小且尖锐的零件，所以在装配和贮藏时，要放在儿童摸不到的地方。
- 勿把模型放在高温、潮湿及阳光直射的地方。
- 勿反接或分解电池，这会导致电池的破损或漏液。
- 当模型不使用时，先关闭模型车、后关遥控器电源。此外，断开模型车的电池连接，并从遥控器中取出电池，以免电池过热或漏液。



Do NOT operate the model in the following places and situations. (Non-observance may lead to accident!)

不可在以下地方或情形下使用本车(不遵循操作惯例可能会导致事故发生)

- Operate your model in spacious and safe areas! Do not operate it:
 1. On road!
 2. In places where children and many people gather.
 3. In residential districts and parks!
 4. Do not operate the model on public roads, in crowded places and near infant as it may cause accidents.
 5. Indoors and in limited space! Non-observance may result in personal injury and property damage!
- The car must stop immediately and check for the reasons when it is operating abnormal. As long as the problem is not cleared, do NOT operate it! This may lead to further trouble and unforeseen accidents!
- Always check the radio batteries!

With weak dry batteries, transmission and reception of the radio would fall off. You may lose control of your model in such condition. This may also cause serious accidents!
- Keep in mind that people around you may also operate a radio control model!

NEVER share the same frequency with somebody else at the same time! Otherwise, Radio signals will be mixed up and you will lose control to your model. This may lead to accidents.
- Do NOT put fingers or any objects inside rotating and moving parts!
- Right after use, do NOT touch the motor! Danger of burning yourself!
- 只可在空旷安全的地方使用本车! 勿在以下地方使用本车:
 1. 公路上。
 2. 儿童或人群聚集的地方。
 3. 生活区公园里。
 4. 勿在公共车道或人群拥挤的地方操作模型, 以免发生意外事故。
 5. 室内或空间有限的地方。不遵循操作惯例可能会导致人身伤害或财产损失!
- 当车子行动异常时立即停止使用并检查其原因

只要车子故障未被消除, 则不能使用车子。否则可能会出现更大的故障, 并发生意外事故。
- 须经常检查无线电装置的干电池!

若电池电量不足, 发射和接收效果将不理想。在这种情况下, 车子可能会出现失控现象, 也可能导致严重事故!
- 保持警惕。周围可能有人也在操作模型车!

勿与他人同时使用同一频率! 否则信号会发生混乱。车子会失控, 可能导致事故发生。
- 不可将手指或其他物体放进正在旋转或移动的部件中。
- 刚使用完毕时, 勿触摸马达, 因有烫伤危险!

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 14 years old. Contains small parts, keep out of reach of children 3 years of age and younger.

使用前请仔细阅读本手册。我们不对任何故意损坏或不当使用负责。这个产品不是玩具! 建议14岁及以上者使用。14岁以下的用户, 需要在成年人监督下使用。本产品部分包含小零件。请务必保证3岁及以下儿童不能接触本产品。



MADE IN CHINA

CE Warning

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

1. Move all your channels to the desired position.
2. Select [All channels] and then [Yes] in the confirmation box.

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.



FCC ID: 2A2UNR3A00

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