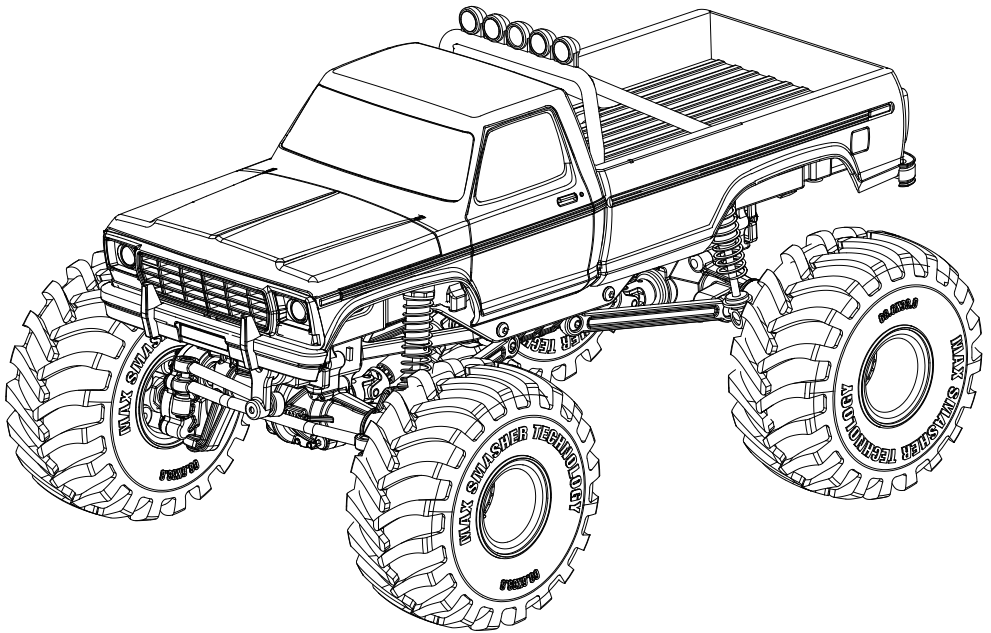




1:24 FCX24 MAX SMASHER



SAFETY PRECAUTIONS 安全保障措施

Introduction 指引

Thank you for purchasing our products.

This manual is written to assist you in properly operating, maintaining and repairing the vehicle. As many of the components used are unique to this product, please retain this manual as a future reference. Composed of precision-made components, this product is not a toy, thus it is not suited for children under 14 years of age. Minors should be accompanied by an adult when operating. Failure to operate or maintain this product in a safe manner can result in bodily harm. It is the owner responsibility to operate this product in a safe manner. FMS and its distributors are not responsible in any way for any and all bodily harm and/ or property damage that may result from the use of this product.

感谢您购买我们的产品。

本手册旨在帮助您正确操作、维护和修理车辆。由于本品所涉部件多数为特有部件，请保留本手册作为未来参考之用。

本产品由精密部件组成，并非玩具，因此不适合 14 岁以下的少年或儿童使用。未成年人操作时应有成人陪同。未能以安全的方式操作或维护本产品可能会导致人身伤害。以安全的方式操作本产品是所有者的责任。FMS 及其分销商对使用本产品可能导致的任何和所有人身伤害和/或财产损失概不负责。

Safety, precautions and warnings 安全、预防措施及警告

- Replace damaged components with original factory-parts.
- Pay special attention to the polarity of all vehicle wiring.
- Use common sense when selecting the environment to operate your vehicle. Do not operate near power cables, cellular/radio towers, water or unstable terrain. The operator is solely responsible for their actions.
- The product is composed of precision electrical components. It is critical to keep the product away from moisture and other contaminants.
- Always check the radio range of the vehicle prior to operation in order to prevent radio loss or interference.
- Operate this product within your ability. If the vehicle is dangerous to retrieve, it never worth the risk.
- Always turn on the transmitter before connecting the battery on the model. When turning off the model, always disconnect the battery first, and then turn off the model, always disconnect the battery first, and then turn off the transmitter. If this order is reversed, the model may become uncontrollable and cause serious damage.
- Never allow transmitter batteries to run low as it may cause loss of vehicle control.
- Plastics on the vehicle are susceptible to damage or deformation due to extreme heat and cold climate. Do not store the model near any source of heat such as oven or heater. Store the model indoors, in a climate-controlled, room temperature environment.
- 请使用原厂部件更换损坏的部件。
- 特别注意所有车辆接线的正负极。
- 务必选择合适的环境操作遥控模型，所选环境需远离电缆、无线电塔、水域及不稳定地形。本品操作者对其行为全权负责。
- 本品由精密电子部件构成。请勿将本品暴露于潮湿的环境或者其他污染物中，以免损坏。
- 确保每次操作前检查车辆的无线接收范围，以防止无线信号丢失或受干扰。
- 在您的能力范围内操作此产品。在任何时候，如果车辆操作有危险，则绝对不值得冒险。
- 通电方式：务必先开遥控器再将车通电。断电方式：务必先将车断电再关遥控器。以上顺序如逆转，则可能引起遥控模型失控，导致人身伤害或财产损失。
- 遥控器电池电量不足时，不要操作模型车，以免失控。
- 模型产品上的塑胶件容易因极冷或极热气候出现变形或损坏的状况。所以请将模型产品存放在气候受控的室温环境中，切勿靠近任何热源，如烤箱或暖器等。

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 compliance information for the european union

The associated regulatory agencies of the following countries recognize the noted certifications for this product as authorized for sale and use.

UK	DE	DK	BG	SE	GZ	ES	NL	SK	HU	RO	FR	PT	BE
FI	EE	LV	LT	PL	AT	CY	SI	GR	MT	IT	IE	LU	

Declaration of Conformity
 Products: 2.4GHz Controller
 Equipment Class: 2
 The objects of declaration described above are in conformity with the requirements of the specifications listed below.

Item Name : 2.4GHz Controller
 The RED Directive 2014/53/EU
 EN 60950-1:2006 + A11:2009 + A1:2010
 + A12:2011 + A2:2013
 EN 300 328 V2.2.2 (2019-07)
 EN 301 489-1 V2.1.1:2017
 EN 301 489-17 V3.1.1:2017

Certification

FCC Compliance Statement

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.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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:

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

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Environmentally friendly disposal

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: N4ZR4A10

RADIO SYSTEM 无线电系统

Safety symbols 安全符号

Pay close attention to the following symbols and their meanings. Failure to follow these warnings could cause damage, injury or death.

仔细阅读以下符号及其相关说明，如不按照以下指引进行操作，可能会导致设备损坏或人员伤亡。

 Attention 注意	Not following these instructions may lead to minor injuries. 如果使用者不按照说明方法操作, 有可能导致操作者或他人受到轻微伤害。
 Warning 警告	Not following these instructions may lead to major injuries. 如果不按照说明方法操作, 可能导致操作者或他人遭受较大伤害。
 Danger 危险	Not following these instructions may lead to serious injuries or death. 如果不按照说明方法操作, 可能导致操作者或他人严重受伤, 甚至遭受生命危险。

Safety guide 安全信息

- Do not use the product at night or in bad weather like rain or thunderstorm. It can cause erratic operation or loss of control.
- Do not use the product when visibility is limited.
- Do not use the product on rain or snow days. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.
- Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:
 1. Near any site where other radio control activity may occur
 2. Near power lines or communication broadcasting antennas
 3. Near people or roads
 4. On any body of water when passenger boats are present
- Do not use this product when you are tired, uncomfortable, or under the influence of alcohol or drugs. Doing so may cause serious injury to yourself or others.
- The 2.4GHz radio band is limited to line of sight. Always keep your model in sight as a large object can block the RF signal and lead to loss of control.
- Do not touch any part of the model that may generate heat during operation, or immediately after use. The engine, motor or speed control, may be very hot and can cause serious burns.



Prohibited
禁止

- 请不要在夜晚或雷雨天气使用本产品, 恶劣的天气环境有可能导致遥控设备失灵。
- 请不要在能见度有限的情况下使用本产品。
- 请不要在雨雪或有水的地方使用本产品。如果有液体进入到系统内部, 可能会导致运行不稳定或失灵。
- 信号干扰可能导致设备失控。为保证您和他人安全, 请不要在以下地点使用本产品:
 - 1、通信基站附近或其他无线电话活跃的地方
 - 2、人多的地方或道路附近
 - 3、水域附近
 - 4、高压电线或通信广播天线附近
- 当您感到疲倦、不舒服, 或在摄入酒精或服食导致麻醉或兴奋的药物后, 不要操作本产品。否则可能对自己或他人造成严重的伤害。
- 2.4GHz无线电波段完全不同于之前所使用的低频无线电波段。使用时请确保模型产品在视线范围内, 大的障碍物将会阻断无线电频率信号从而导致遥控失灵模型失控。



Mandatory
强制

- Misuse of this product may lead to serious injury or death. To ensure the safety of you and your equipment, read this manual and follow the instructions.
- Make sure the product is properly installed in your model. Failure to do so may result in serious injury.
- Make sure to disconnect the receiver battery before turning off the transmitter. Failure to do so may lead to unintended operation and cause an accident.
- Ensure that all servos operate in the correct direction. If not, adjust the direction first.
- Make sure the model stays within the systems maximum range to prevent loss of control.
- 在操作或使用模型后, 请勿触摸任何可能发热的部位, 如电池、电机等。这些部件可能非常热, 容易造成严重的烧伤。
- 遥控设备使用不恰当可能导致操作者或他人严重受伤, 甚至死亡。为保证您和设备的安全, 请仔细阅读使用说明书并按照要求进行操作。
- 使用前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, 将有可能导致遥控设备失控或者引擎继续工作而引发事故。
- 当遥控距离较远时, 有发生失控的可能, 请适当缩短遥控距离。
- 操控时, 请先确认模型所有舵机的动作方向与操控方向一致。如果不一致, 请调整好正确的方向。

PRODUCT INTRODUCTION 产品信息

Background 产品背景

Bigfoot is a unique form of racing car in North America, which began with the popular pick-up off-road mud racing in the 1980s. This was originally an activity for car enthusiasts to entertain themselves. Off-road driving and dragging usually determined the outcome. Driving on muddy ground requires chassis heightening kits and large-diameter tires. The bigger the tires, the better for driving in mud and swamps, and the higher the mud splash, the more excited the audience gets. Driven by this violent aesthetic, all kinds of wildly modified cars eventually turned into two-story monster trucks with huge tires.

Today's Bigfoot races are usually held in gyms and are divided into three parts: racing, two-wheel tricks, and freestyle performances. The huge tires provide unparalleled passing ability. With sufficient power, two-wheel driving, jumping and even somersaults can be easily performed. It is absolutely spectacular.

大脚车是北美地区独有的赛车形式，始于上世纪80年代流行的皮卡泥地越野赛。这本来是一种民间汽车爱好者自娱自乐的活动，通常以越野行驶和拖拽决定胜负，在泥地的行驶需要底盘增高套件和大直径轮胎，轮胎越大越利于在泥浆和沼泽中行驶，掀起的泥水越高观众越兴奋，在这种暴力美学的驱使下，各种天马行空的改装车最终变成了两层楼高，安装了巨大轮胎的怪兽卡车。

如今的怪兽大脚车比赛通常在体育馆举行，分为赛车、两轮技巧和自由式表演三个部分，巨大的轮胎提供了无与伦比的通过能力，在充沛动力的推动下，可以轻易做出两轮行驶、跳跃甚至空翻动作，观赏性十足。

About Model 产品介绍

The FMS 1/24 Bigfoot model-MAX SMASHER adopts the FCX24 chassis. The huge hollow tires provide excellent shock absorption. The two-speed gearbox, controlled by the third channel, can not only provide strong torque, but also support high-speed off-road driving. The front and rear axles are equipped with planetary gear differentials by default, which is conducive to high-speed off-road driving, posture simulation and outstanding cornering performance. Meanwhile, straight axle parts without differentials are also provided for users to replace by themselves. When the straight axle parts are replaced, the differential function of the front and rear axles is lost but its climbing ability is completely released, and no matter whether it is rocks or mud, it can pass through powerfully. Of course, the hybrid solution of installing a straight axle on the rear axle and installing a differential on the front axle is also an option, which not only enables high-speed off-roading, but also retains a certain climbing ability.

The portal axle is a major feature of the FCX24. With huge tires, the ground clearance of the chassis is further increased, and the vehicle's passability is further enhanced. Driven by the sheer power of the 130 motor, it can raise its head and tilt its tail. The car body design restores the appearance of a first-generation American pickup truck. The exquisite stickers and an overabundance of electroplated parts bring us back to that crazy and bloody era.

FMS 1/24大脚车模型——粉碎者——采用FCX24底盘，中空的大脚车轮胎可以提供良好的滤震效果，通过遥控器第3通道切换的两档变速箱既能提供强大的扭矩也能支持高速越野行驶。前后车桥默认装配行星齿差速器，有利于高速越野行驶，姿态仿真，弯道性能凌厉。同时也提供有没有差速器的直轴零件，供用户自行更换。当更换上直轴零件时，前后桥就失去了差速功能，此时攀爬能力被完全释放，无论岩石、泥地都可以强悍的通过。当然也可以选择在后桥上安装直轴，前桥安装差速的混合方案，此时既能高速越野，也保留了一定的攀爬能力。

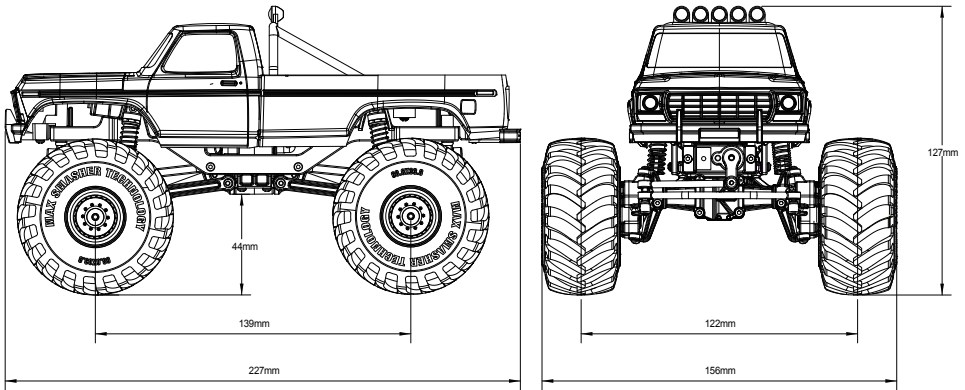
门桥是FCX24的一大特点，搭配大脚轮胎后，底盘离地间隙进一步升高，通过性也大大增强，在130电机的强劲动力驱使下，可以抬头，翘尾。车壳按照第一代美式皮卡大脚车的造型还原，精美的贴纸和大量电镀零件带我们重温那个疯狂而热血的时代。

PRODUCT INTRODUCTION 产品信息

Features 产品特点

- Ready to run model
- Two speed transmission (controlled by the third channel)
- Front and rear axle planetary gear differentials
- Ball bearings full set
- Remote control lighting system
- Portal axle
- Metal gears steering servo
- 组装完成品
- 两档变速 (由第三通道控制)
- 前后轴行星齿轮差速器
- 全车滚珠轴承
- 遥控灯光系统
- 门式车桥
- 金属齿转向舵机
- Four link suspension
- High strength integrated nylon frame
- Rapid separation car body
- Painted body
- Original personalized stickers
- Plated scaled details
- 2.4GHz radio
- 4连杆悬挂
- 高强度混纤尼龙一体成型车架
- 车壳快拆结构
- 喷涂完成车壳
- 原创个性化贴纸
- 电镀像真细节
- 2.4GHz遥控控制

Specification 产品参数



- Length: 227mm
- Width: 156mm
- Height: 127mm
- Wheelbase: 139mm
- Tire F/R : $\Phi 68 \times 34\text{mm}$
- Minimum Ground Clearance: 44mm
- Reduction ratio: (High Gears) 24.75
(Low Gears) 99
- Motor: 130 Brushed motor
- Battery : 2S Lipo 7.4V 380mAh x1
- Remote control distance: 30m
- Approx. operating duration time: 20mins
- Remote control: 2.4G Transmitter + Three-in-one receiver with ESC and LED light group control board
- Key functions: Two Speed Transmission/Smart light effect/ Front and rear axle planetary gear differentials

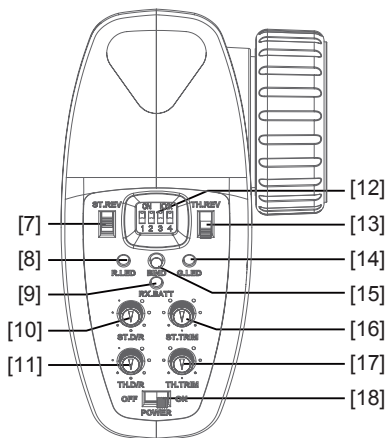
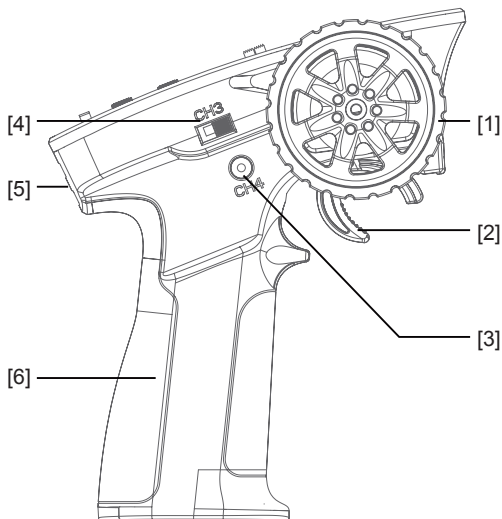
- 车长: 227mm
- 车宽: 156mm
- 车高: 127mm
- 轴距: 139mm
- 轮胎: $\Phi 68 \times 34\text{mm}$
- 离地间隙: 44mm
- 减速比: 高速挡24.75 低速挡99
- 电机: 130有刷电机
- 电池: 2S Lipo 7.4V 380mAh
- 遥控距离: 30m
- 续航: 20mins
- 遥控: 2.4G 遥控器 + 电调、LED灯组控制板三合一接收机
- 主要功能: 两档变速/灯效切换/前后轴行星齿轮差速器

Transmitter intruction 发射机介绍

FS-R4A1 based on ANT protocol is a three-in-one receiver with ESC and LED light group control board. It has an external single antenna, can output PWM signal and light control signal, can implement two-way transmission, adopts automatic binding, and has a compact design, which can be adapted to various model cars.

FS-R4A1采用ANT协议，是一款电调、LED灯组控制板三合一接收机，外置单天线，可输出PWM信号和车灯控制信号，能够实现双向传输，采用自动对码，设计小巧紧凑，可适配多种车型使用。

Transmitter intruction 发射机概览



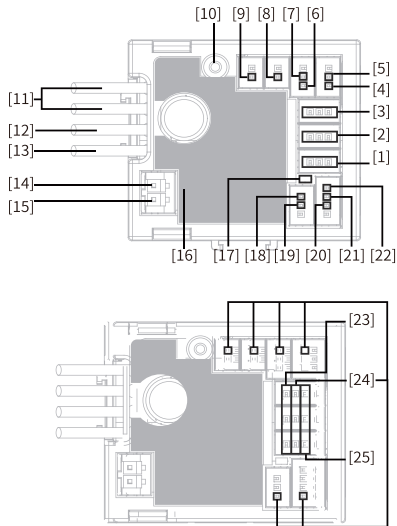
- [1] Traversing handwheel, 35 degrees on each side (CH1)
方向手轮，左右各35度 (CH1)
- [2] Throttle button, 25 degrees in front and 12.5 degrees at rear (CH2)
油门扳机，前25度后12.5度 (CH2)
- [3] Push button switch (CH4) [Push button function is flip type]
按键开关CH4 (轻按为灯效功能)
- [4] Three-position toggle switch (CH3)
拨动开关 (CH3)
- [5] Lanyard hole
挂绳孔
- [6] Handle, 4*AAA battery compartment
手柄，4*AAA电池仓
- [7] ST.REV
方向倒置开关 (ST.REV)
- [8] R.LED
电源指示灯红色LED(R.LED)
- [9] RX.BATT
电调电池电量显示双色灯 (RX.BATT)

- [10] ST.D/R
方向能量调节旋钮 (ST.D/R)
- [11] TH.D/R
油门能量调节旋钮 (TH.D/R)
- [12] Switch to the electric adjustment mode
拨码开关 (切换电调的工作模式)
- [13] TH.REV
油门倒置开关 (TH.REV)
- [14] G.LED
状态指示灯绿色LED(G.LED)
- [15] BIND
对码按键 (BIND)
- [16] ST.TRIM
方向微调旋钮 (ST.TRIM)
- [17] TH.TRIM
油门微调旋钮 (TH.TRIM)
- [18] Power Switch
电源开关

*[3]Click (CH4)Note: Not all models have this feature.

*[3]按键开关CH4,(长按为两/四驱切换) 部分车型无此功能

Overview 接收机概览



- | | |
|-------------------------------------|--------------------------------------|
| [1] CH1
CH1通道接口 | [14] Motor port "+"
马达接口" M+" |
| [2] CH3
CH3通道接口 | [15] Motor port "-"
马达接口" M-" |
| [3] CH4
CH4通道接口 | [16] Stickers
贴纸 |
| [4] Left-turn light port
左转向灯接口 | [17] LED
LED指示灯 |
| [5] Head light port
前灯接口 | [18] Left-turn light port
左转向灯接口 |
| [6] Right-turn light port
右转向灯接口 | [19] Right-turn light port
右转向灯接口 |
| [7] Head light port
前灯接口 | [20] Reversing light port
倒车灯接口 |
| [8] Fog light port
雾灯接口 | [21] Brake light port
刹车灯接口 |
| [9] Fog light port
雾灯接口 | [22] Taillight port
尾灯接口 |
| [10] Antenna
天线 | [23] Signal pin
通道信号端 |
| [11] Power switch
电源开关 | [24] Power "+"
电源正极 |
| [12] Battery line "+"
电池线正极 | [25] Power "-"
电源负极 |
| [13] Battery line "-"
电池线负极 | |

Specifications 产品规格

- Product Name: FS-R4A1
- Adaptive transmitter: FS-MG4
- Model Type: Car
- Channels: 4
- Numbers of Light Interfaces: 7
- RF: 2.4GHz ISM
- 2.4G Protocol: ANT
- Antenna: Single antenna
- Input Power: Lipo (2S)/NiMH (5~7Cell)
- BEC Output: 6V/1A
- Continuous/Peak Current: 10A/50A

- Data Output: PWM
- Temperature Range: -10℃ — +60℃
- Humidity Limit: 20%~95%
- Waterproof: PPX4
- Online Update: No
- Dimensions: 33mm*30mm*12mm
- Weight: About 11g
- Certification: CE, FCC ID: N4ZR4A10

- 产品型号：FS-R4A1
- 适配遥控器：FS-MG4
- 适合机种：车
- 通道个数：4
- 车灯接口数：7
- 无线频率：2.4GHz ISM
- 无线协议：ANT(自动调频数字系统)
- 无线类型：单天线
- 输入电源：Lipo(2S)/NiMH(5~7Cell)
- BEC输出：6V/1A

- 持续/峰值电流：10A/50A
- 数据输出：PWM
- 温度范围：-10℃—+60℃
- 湿度范围：20%~95%
- 防水等级：PPX4
- 在线更新：无
- 外形尺寸：33mm*30mm*12mm(不含电容)
- 机身重量：11g左右
- 认证：CE, FCC ID:N4ZR4A10

Binding 对码

The receiver automatically enters the binding state once it is powered on.

Press the **BIND** Key to turn on the transmitter and allow it to enter its binding state. Here, **G.LED** flashes quickly, and operator releases the **BIND** Key.

1. When the receiver is powered on and waits for 1 second, it will automatically enter the binding state if it is not connected;

2. After the binding is successful, the LED indicator of the receiver is always on.

Notes: (1) Set the transmitter to its binding state first, and then set the receiver to its binding state. If the binding is not completed within 10s, the indicator light of the receiver will enter its slow flashing state.

(2) If re-binding is successful, all the settings of the car lights will be restored to their default values.

本款接收机通电即自动进入对码状态。

按住遥控器的对码键并开机，即进入对码状态，此时G.LED快闪，松开“BIND”键。

1.接收机上电等待1秒没有连接将自动进入对码；

2.对码成功后，接收机LED指示灯常亮；

注：(1)对码时请先将遥控器进入对码状态，再将接收机进入对码状态，若10s内对码没有完成，接收机指示灯进入慢闪状态；

(2)如果重新对码成功，所有设置将恢复默认值。

ESC protection 电调保护功能

This receiver has multiple prompt functions such as power-on self-check display, overheating alarm prompt, and low/high voltage alarm prompt.

- Self-check display: all car lights will be on for 1S when the receiver is powered on;
- Overheating alarm: When the internal temperature of the ESC is detected to exceed 110 °C, motor has no output, all car lights flash promptly, and the normal output will be restored when the temperature is lower than 70°C;
- Low/high voltage alarm: When the receiver enters the low voltage protection, motor has no output, and all the lights flash slowly; when the receiver enters the high voltage protection, all channels have no output. All car lights flash promptly.

本款接收机具有通电自检显示、过热报警提示、电压过低/高报警提示等多种提示功能。

•自检显示：接收机通电瞬间所有车灯长亮1S；

•过热报警：检测到电调内部温度超过110°C时，马达无输出，所有车灯快闪提示；当温度低于70°C时恢复正常输出；

•电压过低/高报警：接收机进入电压过低保护时，马达无输出，所有车灯慢闪提示；接收机进入电压想<过高保护时，所有通道无输出，所有车灯快闪提示。

ESC function instructions 电调功能使用说明

1.Connect related equipment:

Make sure the ESC is off before connection. Connect the motor with M+ and M- of ESC. Connect the steering servo to the 3Pin interface marked with "ST" of ESC (- + S connected correspondingly). Connect the battery with the positive and negative poles of ESC correspondingly.

2. Normal boot, identification throttle midpoint:

After connecting related equipment as step 1, turn on the radio first, move the throttle trigger to the neutral position. Turn on the switch of ESC at last. The receiver will automatically recognize the battery type when it is powered on again. Then it can run it.

Notes:

- The ESC can be run after completing self-inspection (about 3 seconds) if power on, otherwise it cannot be operated normally.
- If there is no power output and the red light of ESC flashes quickly after power on, please check whether the throttle trim of the transmitter is set to the "0" position, the receiver will automatically recognize the midpoint of the trim throttle after restarting;
- If the rotation direction is not correct during running, exchange the two wires connecting motor and ESC.
- To make sure everything is ok, please turn on the transmitter first and finally turn on the ESC, turn off the ESC first and finally turn off the transmitter.

Notes: Please refer to the relevant sections for details about the battery type, drag brake force and running mode of the ESC.

1.连接相关设备：

连接前请确认电调开关处于关闭（OFF）状态，将电机与电调的M+/M-相连接，舵机接到电调3Pin 排针接口上（“-” “+” "S" 相对应），电池与电调输入正负极对应相接。

2.正常开机，识别油门中点：

上面第一步相关设备连接好后，先打开遥控器，并将遥控器油门扳机置于中点位置（自然状态）。最后一步打开电调开关，接收机重新上电自动识别电池类型后方可运行。注意：a.电调开机后必须等到自检完成后方可运行（大约3秒），否则可能无法正常动作；b.若开机后无动力输出，请查看遥控器油门微调是否置于“0”位置，接收机重启可自动识别微调油门中点；c.若运行时发现电机方向不对，将电调接电机的两根线互换位置即可；d.为了一切正常，请养成先打开遥控器最后打开电调开关以及先关闭电调开关最后关闭遥控器的习惯。

注：关于电池类型、拖刹力度和运行模式的设置详见配套遥控器说明书相关章节。

Failsafe 失控保护

This function is used to protect the safety of the model and the operator when the receiver cannot normally receive the signal from the transmitter and is out of control. The receiver defaults that the throttle channel is fixed to be out of control and enters the brake state. After other channels are out of control, the receiver has no signal output. If you set it on the transmitter, it will output according to the set value.

Attention:









- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Please carefully check each power device and car frame instructions to ensure the power matching is reasonable before use. Avoid damaging power system due to incorrect matching.
- Do not let the external temperature of the system exceed 90°C /194°F, because high temperature will damage the power system.
- Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so may lead to unintended operation or loss of control.
- After use, remember to disconnect the battery and the ESC. If the battery isn't disconnected, the ESC will consume electric energy all the time even if it is off. It will discharge completely if connect the battery for a long time, thus resulting in the failure of the battery or the ESC. We are not responsible for any damage caused by this!
- Make sure the receiver is mounted away from motors or any device that emits excessive electrical noise.
- Keep the antenna of the receiver 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.

此功能用于当接收机无法正常收到遥控器的信号，不受控制时，保护模型和操作人员的安全。接收机默认为油门通道固定为失控进入刹车状态，其他通道失控后接收机无信号输出，如若在遥控器上进行设置，则按照设置值输出。

注意事项：

- 使用前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。
- 请查看各动力设备以及车架说明书，确保动力搭配合理，避免因错误的搭配导致动力系统损坏。
- 勿使系统的外部温度超过90°C /194 °F,高温将会毁坏动力系统。
- 关闭时，请务必先关闭接收机电源，然后关闭遥控器。如果关闭遥控器电源时接收机仍然在工作，将有可能导致遥控设备失控而引发事故。
- 使用完毕后，若长时间不玩车，切记断开电池与电调的连接。如电池未断开，即使电调开关处于关闭状态，电调也会一直消耗电能（只是非常小），长时间连接电池最终会被过放，进而导致电池或电调出现故障。我们不对因此而造成的任何损害负责！
- 确保接收机安装在远离电机或电噪声过多的区域。
- 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，请勿连接接收机电源，避免造成不必要的损失。

ESC Parameter Setting 电调设置

Running Mode	Battery Type	Drag Brake	
 FWD/REV/BRK	 Lipo	 0%	 75%
 FWD/REV	 NiMH	 50%	 100%

Dial Switch sign 拨码开关标识

The Dial Switch on the transmitter is used to set ESC parameters, that is, the Dial Switch is located at different positions and the corresponding parameter values are different.

发射机上的拨码开关用于设置电调，即拨码开关位于不同位置对应功能不同。

Setting Method 设置方法

There are three parameters can be set for the ESC, which are "Running mode", "Battery type", "Drag brake". There are slide switches numbered 1 2 3 4 on the radio panel. The above parameters can be set by dialing down and up. The specific operation is as follows:

When No. 1 slide switch is on the down, it indicates that the operation mode is set to FWD / REV / BRK.

When No. 1 slide switch is on the up, it indicates that the operation mode is set to FWD/REV.

When No. 2 slide switch is on the down, it indicates that the battery type is set to Lipo.

When No. 2 slide switch is on the up, it indicates that the battery type is set to NiMH.

When No. 3 and No.4 slide switch are on the down, it indicates that the drag brake force is set to 0%.

When No. 3 slide switch is on the down and No.4 slide switch is on the up, it indicates that the drag brake force is set to 50%.

When No. 3 slide switch is on the up and No.4 slide switch is on the down, it indicates that the drag brake force is set to 75%.

When No. 3 and No.4 slide switch are on the up, it indicates that the drag brake force is set to 100%.

该电调有三个参数项可以设置，分别是“运行模式(Running Mode)”、“电池类型(Battery Type)”“拖刹力度(Drag Brake)”。遥控器面板上有一列编号为1234的拨码开关，通过上下拨动可以实现对上述参数项的设置，具体操作如下：

当遥控器面板上编号为1的拨码开关位于下侧时，表示运行模式设置为前进后退带刹车(FWD/ REV/BRK)。

当遥控器面板上编号为1的拨码开关位于上侧时，表示运行模式设置为直接正反转(FWD/REV)。

当遥控器面板上编号为2的拨码开关位于下侧时，表示电池类型设置为锂电池(Lipo)。

当遥控器面板上编号为2的拨码开关位于上侧时，表示电池类型设置为镍氢(NiMH)。

当遥控器面板上编号为3的拨码开关位于下侧时，编号为4的拨码开关位于下侧时，表示拖刹力度为0%。

当遥控器面板上编号为3的拨码开关位于下侧时，编号为4的拨码开关位于上侧时，表示拖刹力度为50%。

当遥控器面板上编号为3的拨码开关位于上侧时，编号为4的拨码开关位于下侧时，表示拖刹力度为75%。

当遥控器面板上编号为3的拨码开关位于上侧时，编号为4的拨码开关位于上侧时，表示拖刹力度为100%。

Parameter Explanation 参数解释

1. Running Mode

FWD/REV/BRK: This mode adopts "double click" reverse mode, that is, when the throttle trigger is pushed from neutral range to the reverse area for the first time, the motor is only braking and will not reverse; when the throttle trigger is moved back to the neutral range and pushed to the reverse area for the second time, it will reverse. This mode is applicable to general models.

FWD/REV: This mode adopts "one click" reverse mode, that is, when the throttle trigger is pushed from neutral range to the reverse area, the motor immediately generates reverse action, which is generally applied to rock crawler.

Parameter setting method:

When No. 1 slide switch is on the down, it indicates that the operation mode is set to FWD / REV / BRK.

When No. 1 slide switch is on the up, it indicates that the operation mode is set to FWD/REV.

2. Battery Type

There are LiPo and NiMH cells. The low-pressure protection value is different under different types. It can be set according to the actual use.

Parameter setting method:

When No. 2 slide switch is on the down, it indicates that the battery type is set to Lipo.

When No. 2 slide switch is on the up, it indicates that the battery type is set to NiMH.

3. Drag Brake Force

The drag brake means that when the throttle trigger moves from the forward or reverse area to neutral range, it will produce certain braking force to the motor, the larger the value is, the greater the drag brake force is. Select proper braking force according to the actual situation.

Parameter setting method:

When No. 3 and No.4 slide switch are on the down, it indicates that the drag brake force is set to 0%.

When No. 3 slide switch is on the down and No.4 slide switch is on the up, it indicates that the drag brake force is set to 50%.

When No. 3 slide switch is on the up and No.4 slide switch is on the down, it indicates that the drag brake force is set to 75%.

When No. 3 and No.4 slide switch are on the up, it indicates that the drag brake force is set to 100%.

1.运行模式(Running Mode)

前进后退带刹车(FWD/REV/BRK)：此模式采用的是“双击式倒车”，即油门扳机在第一次从中点区域推至反向区域时，电机只是刹车不会产生倒车动作；当油门扳机回到中点区域并第二次推至反向区域时则产生倒车动作。此模式适用于一般车型。

直接正反转(FWD/REV)：此模式采用“单击式”倒车方式，即油门扳机从中点区域推至反向区域时电机立即产生倒车动作，该模式一般用于攀爬车等特殊车辆。

设置该参数的方法：

当遥控器面板上编号为1拨码开关位于下侧，表示运行模式设置为前进后退带刹车(FWD/REV/BRK)。当遥控器面板上编号为1拨码开关位于上侧，表示运行模式设置为直接正反转(FWD/REV)。

2.电池类型(Battery Type)

有锂电和镍氢两种选择，根据实际使用情况设置即可。设置该参数的方法：

当遥控器面板上编号为2的拨码开关位于下侧时，表示电池类型设置为锂电池。

当遥控器面板上编号为2的拨码开关位于上侧时，表示电池类型设置为镍氢。

3.拖刹力度(Drag Brake)

拖刹是指当油门扳机从正向区域或反向区域转入中点区域内时，对电机产生一定的刹车力，这样做可以模拟有刷电机的碳刷对电机转子的阻力，适合减速入弯及攀爬车应用。

设置该参数的方法：

当遥控器面板上编号为3的拨码开关位于下侧，编号为4的拨码开关也位于下侧，表示拖刹力度为0%。

当遥控器面板上编号为3的拨码开关位于下侧，编号为4的拨码开关位于上侧时，表示拖刹力度为50%。

当遥控器面板上编号为3的拨码开关位于上侧，编号为4的拨码开关位于下侧时，表示拖刹力度为75%。

当遥控器面板上编号为3的拨码开关位于上侧，编号为4的拨码开关位于上侧时，表示拖刹力度为100%。

Lighting function 灯光功能

Button 按钮	Light Position 车灯位置	Function 功能	Power on is off by default 开机默认关闭	Times for Pressing 按次数					Control Mod 控制方式	Remarks 备注
				I	II	III	IV	V		
CH4	Headlight 车头部灯	White headlights keep on 前白灯常亮		OFF 关闭	•	OFF 关闭	OFF 关闭	OFF 关闭		
		White headlights keep on with high brightness 前白灯高光常亮		OFF 关闭	OFF 关闭	•	•	OFF 关闭		

Getting started 使用前准备

Before operation, install the battery and connect the system as instructed below.

开始操作前，请按照本章的顺序和指引安装电池、连接设备。

★ Transmitter Battery Installation 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. 如果不按照说明方法操作，可能导致操作者或他人遭受较大伤害。
 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

Battery Installation:

1. Open the battery compartment cover.
 2. Insert 4 fully-charged AAA batteries into the compartment. Make sure that the battery makes good contact with the battery compartment's contacts.
 3. Replace battery compartment cover.
- Low battery alarm: When the battery is lower than 4.2V, the LED on the panel will flash slowly.

电池类型使用：AAA电池

请按照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，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，面板上的LED慢闪报警提示。

Instructions 操作指引

After setting up, follow the instructions below to operate the system.

1. Automatic code matching (the transmitter and receiver have been successfully coded before leaving the factory.)

If you need to replace another transmitter or receiver, please follow the following steps to code:

- a. When the transmitter power is on and the code matching mode is on, the light keeps flashing;
- b. The power supply of the receiving board is turned on, and the front lights keep flashing to enter the code matching mode;
- c. When the code matching is successful, all the transmitter lights are on and all the lights on the car are off;

Note: when code matching, please operate the transmitter to enter the code matching state first, and then operate the receiver to enter the code matching state.

2. Power off

Follow the steps below to turn off the system:

- a. Disconnect the receiver power.
- b. Toggle the transmitter's power switch to the [OFF] position.

准备操作完成后，您可以按照本章指引开始使用本产品。

1. 自动对码（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照如下步骤进行对码：


- a. 按住Bind键后，发射器电源打开，对码模式，灯不停闪亮；
- b. 接收板电源打开，前车灯不停闪亮，进入对码模式；
- c. 当对码成功，发射机灯全亮，车上面的灯全部关闭；

注意：对码时请先操作发射机进入对码状态，再操作接收机进入对码状态。

2. 关机

请按照以下步骤关机：

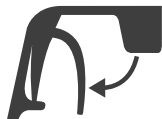
- a. 断开接收机电源。
- b. 将开关拨到 [OFF] 位置，使发射机关闭。

 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。
---	--

Throttle trigger position 油门扳机位置



Neutral point
中位



Top point of forward direction
前进方向的顶端



Top point of backward direction
后退方向的顶端

VEHICLE SETUP 车辆设置

Connecting the battery 连接电池

Step 1: Separate the car shell, the two buckles in the front of the car shell are opened inward, and the two buckles at the rear of the car shell are opened inward.

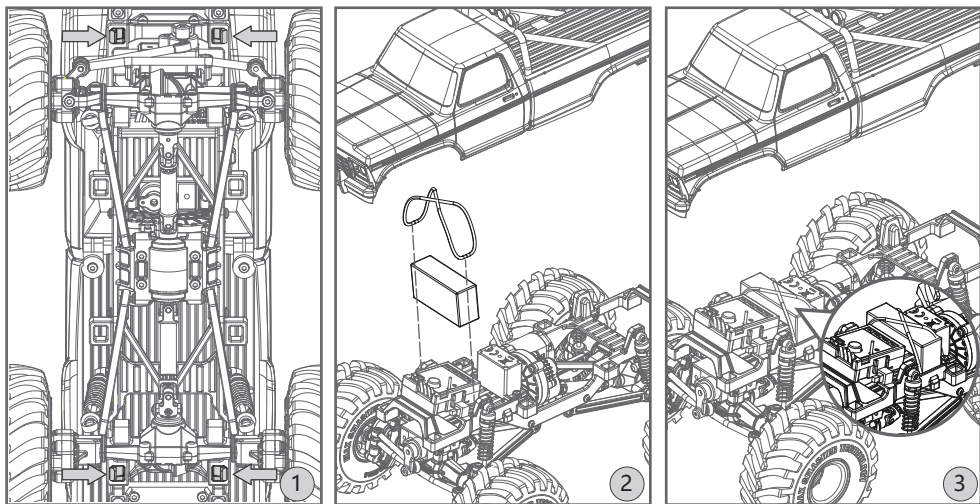
Step 2: Place the battery in the battery compartment on the frame and fix it with the attached rubber band.

Step 3: Connect the battery plug.

步骤1：分离车壳，车头前面的两个卡扣，向内掰打开，车头后面的两个卡扣，向内掰打开；

步骤2：将电池放置在车架上的电池舱位，用自带的橡皮筋固定；

步骤3：连接电池插头。



NOTE

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.

注意：

- 1、如果长时间不用，请拨下电池，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。

Battery Precautions 电池注意事项

- Never charge a lithium polymer battery with a charger designed for Nicd, NIMH, or any other type of battery chemistry. Use ONLY charger designed for LiPo battery.
 - Do not leave LiPo battery unattended during charging.
 - Do not overcharge the battery.
 - Always charge LiPo batteries on non-flammable, heat-resistant surfaces.
 - Always use a LiPo-safe bag or container while charging. Do not allow LiPo cells to overheat at any time. Cells which reach greater than 140 Fahrenheit(60°C) will usually become damaged and will catch fire.
 - Do not charge the LiPo pack while it is still in the model. Never charge or store battery packs in a vehicle.
 - Do not discharge LiPo, doing so will damage the battery.
 - Do not expose LiPo cell to water or moisture at any time.
 - Do not store battery near open flame or heater.
 - Do not assemble LiPo cells or pre-assembled packs together with other LiPo cells or packs.
 - Always store LiPo battery in a secure location away from children.
 - Always remove the LiPo battery if model is involved in any kind of crash.
 - Carefully inspect the battery and connectors for even the smallest damage.
 - CAUTION: Cells may become hot after usage. Allow the pack to cool to room temperature prior to recharging.
 - Do not allow the electrolyte to get into eyes or on skin. Wash affected areas immediately if they come into contact with electrolyte.
 - Do not alter or modify connectors or wires of a LiPo battery pack.
 - Always inspect the condition of the battery before charging and operating.
 - Do not short circuit the LiPo battery.
 - Do not have contact with a leaky/damaged battery directly.
 - Do not charge battery out of recommended temperature range(0°C -45°C).
-
- 不要使用Nicd、NIMH或任何其他类型的充电器给LIPO锂聚合物电池充电。请使用LIPO锂聚合物的专用充电器给LIPO锂聚合物电池充电。
 - 请勿在无人看管的情况下充电。
 - 电池请勿过充。
 - 请勿将电池放置在易燃、不耐热的表面上充电。
 - 总是使用安全袋或安全容器给电池充电。保证电池在任何时候都不过热。电池温度超过140华氏度（60°C）则易造成损坏，甚至引发火灾。
 - 请勿将电池长期置于模型产品内，更勿在模型产品内直接充电。
 - 请勿给电池放电，以免损坏电池。
 - 任何时候请勿将电池暴露在水或湿气之中。
 - 请勿在明火或加热器附近储放电池。
 - 请勿与其他未组装或预组装的电池混用。
 - 需将电池存放在远离儿童的安全位置。
 - 模型如出现任何碰撞，需立刻拆除电池。
 - 即使出现微小的损坏，也需仔细检查电池和连接器。
 - 注意：使用后电池可能会发热，需让电池冷却到室温后再进行充电。
 - 请勿让电解液接触眼睛或皮肤。如电解液不慎接触到身体的任何部位，请立即进行清洗。
 - 请勿替换或修改电池组的连接器或电线。
 - 在进行充电或其他任何操作之前需检查电池的状况。
 - 请勿造成电池短路。
 - 请勿直接接触已泄漏或已损坏的电池。
 - 请勿超出建议温度范围充电电池（0度-45度）。

OPERATING THE VEHICLE 车辆操作

Step 1: turn on the transmitter, the headlamp of the transmitter will flash and enter the frequency matching mode.

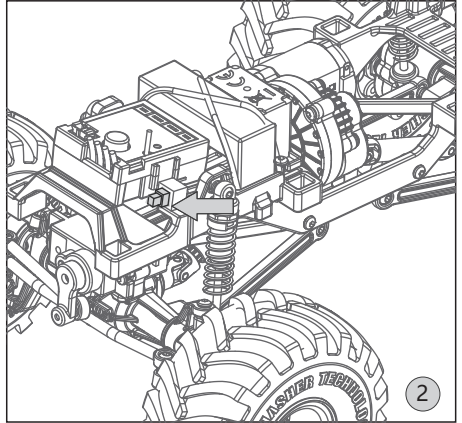
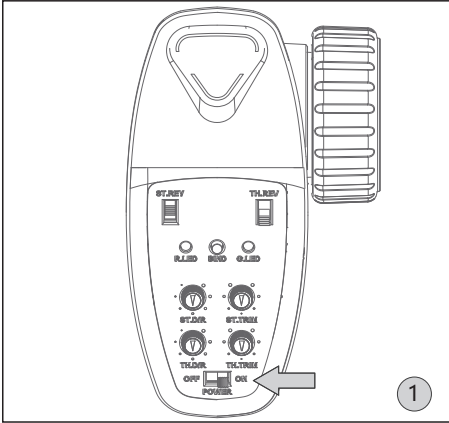
Step 2: turn on the receiver switch, the headlight will flash and enter the frequency matching mode.

Step 3: when the transmitter and receiver are successful in frequency up, the front lights of the transmitter will be on for a long time, and the front lights of the vehicle will be off.

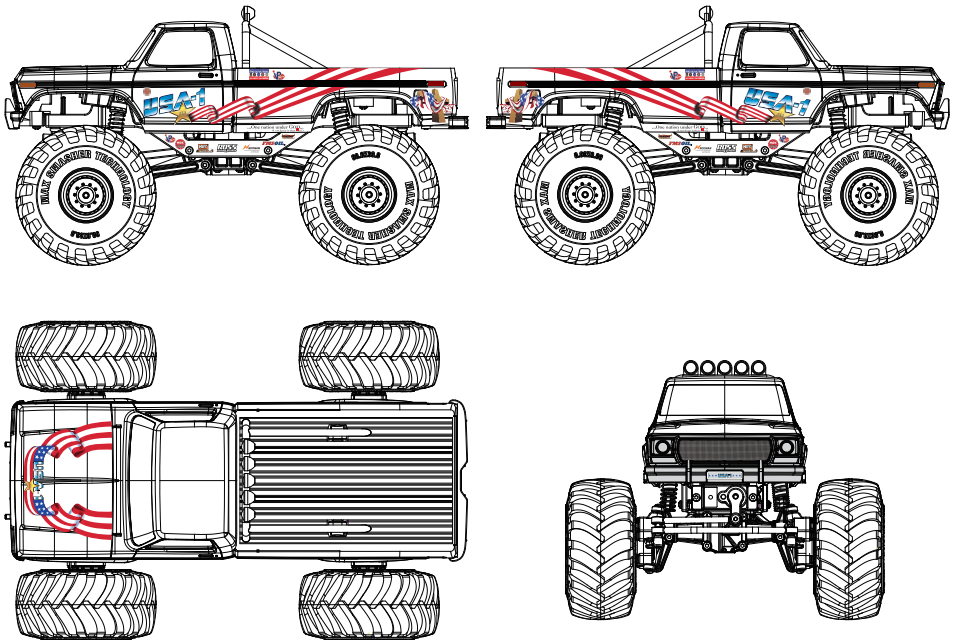
步骤1：打开发射器，发射器前灯会闪亮，进入对频模式。

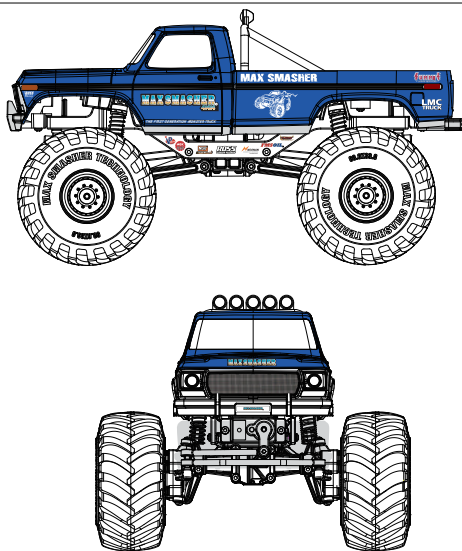
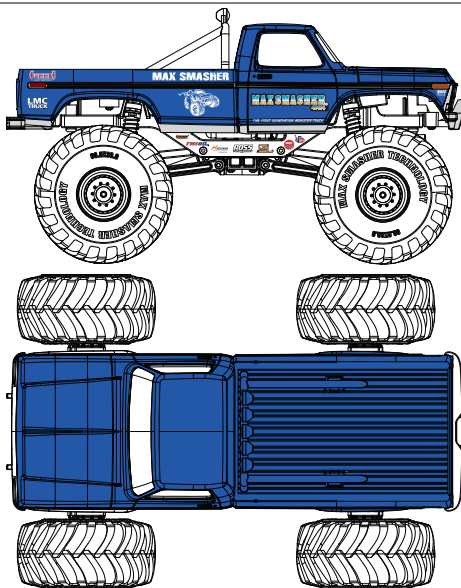
步骤2：打开接收器开关，车前灯会闪亮，进入对频模式。

步骤3：当发射器，接收器对上频成功时，发射器前灯会长亮，车前灯会关闭。



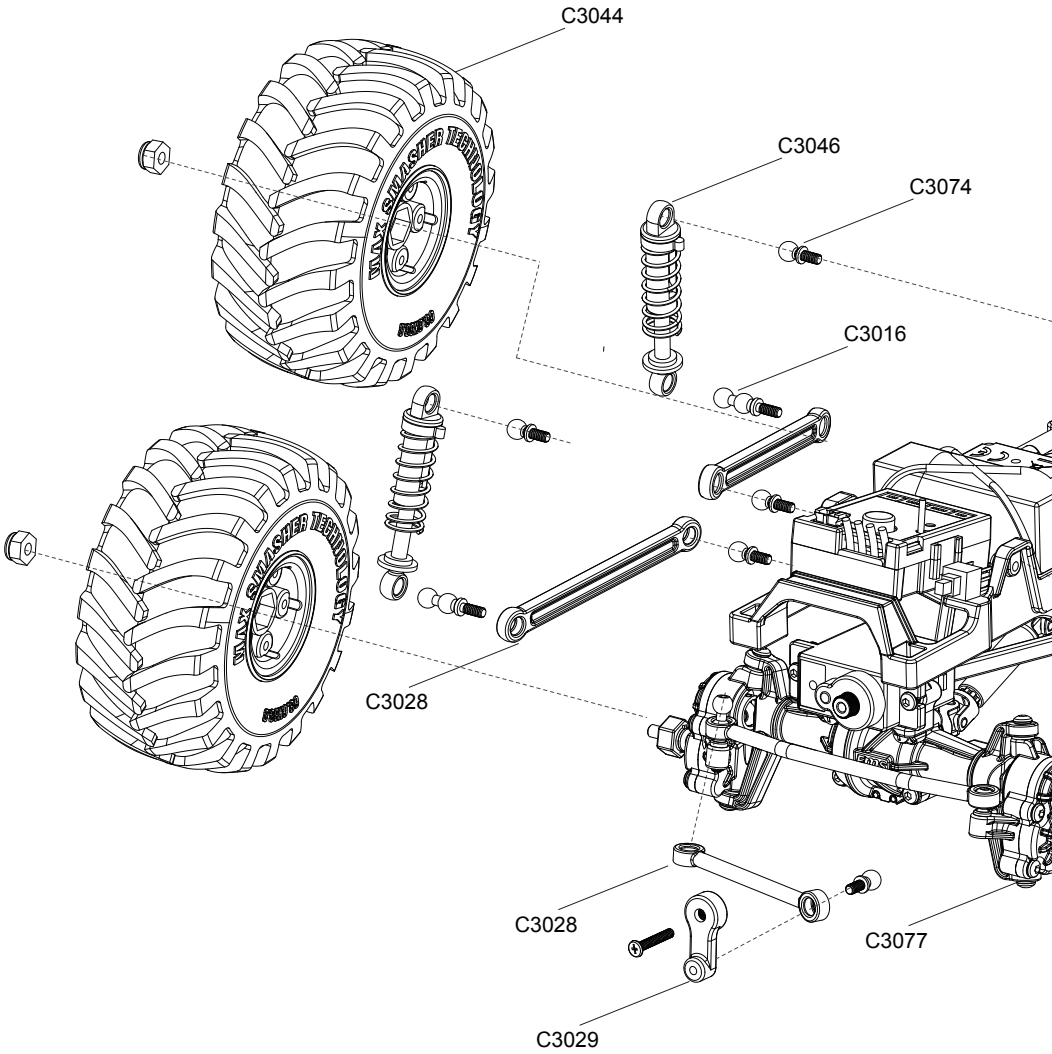
Decal Application 贴纸应用

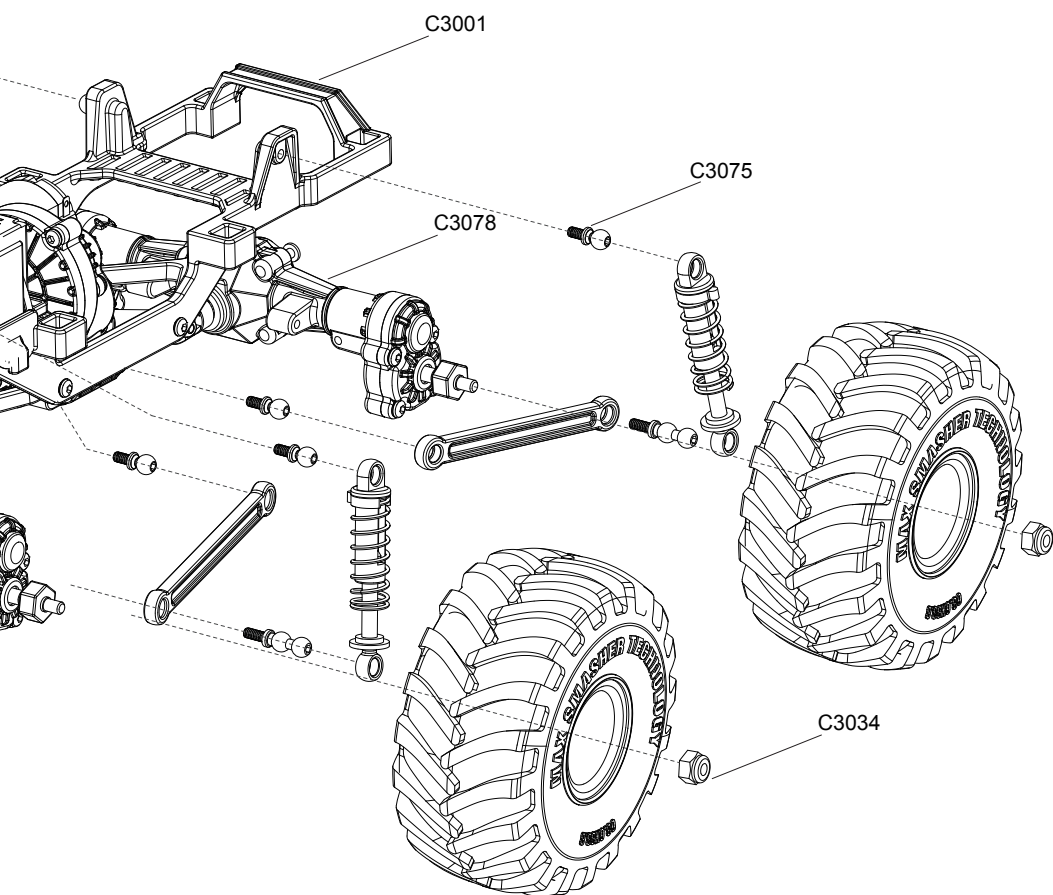


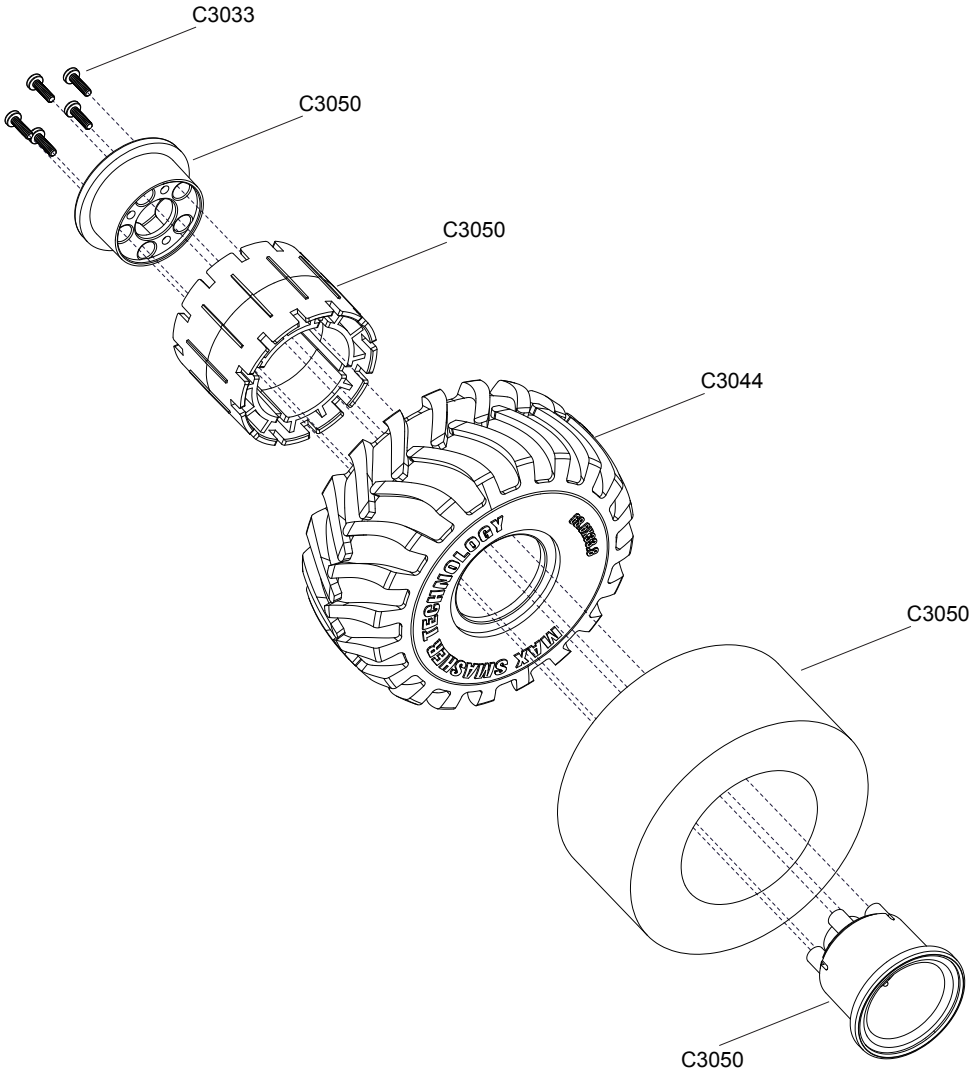


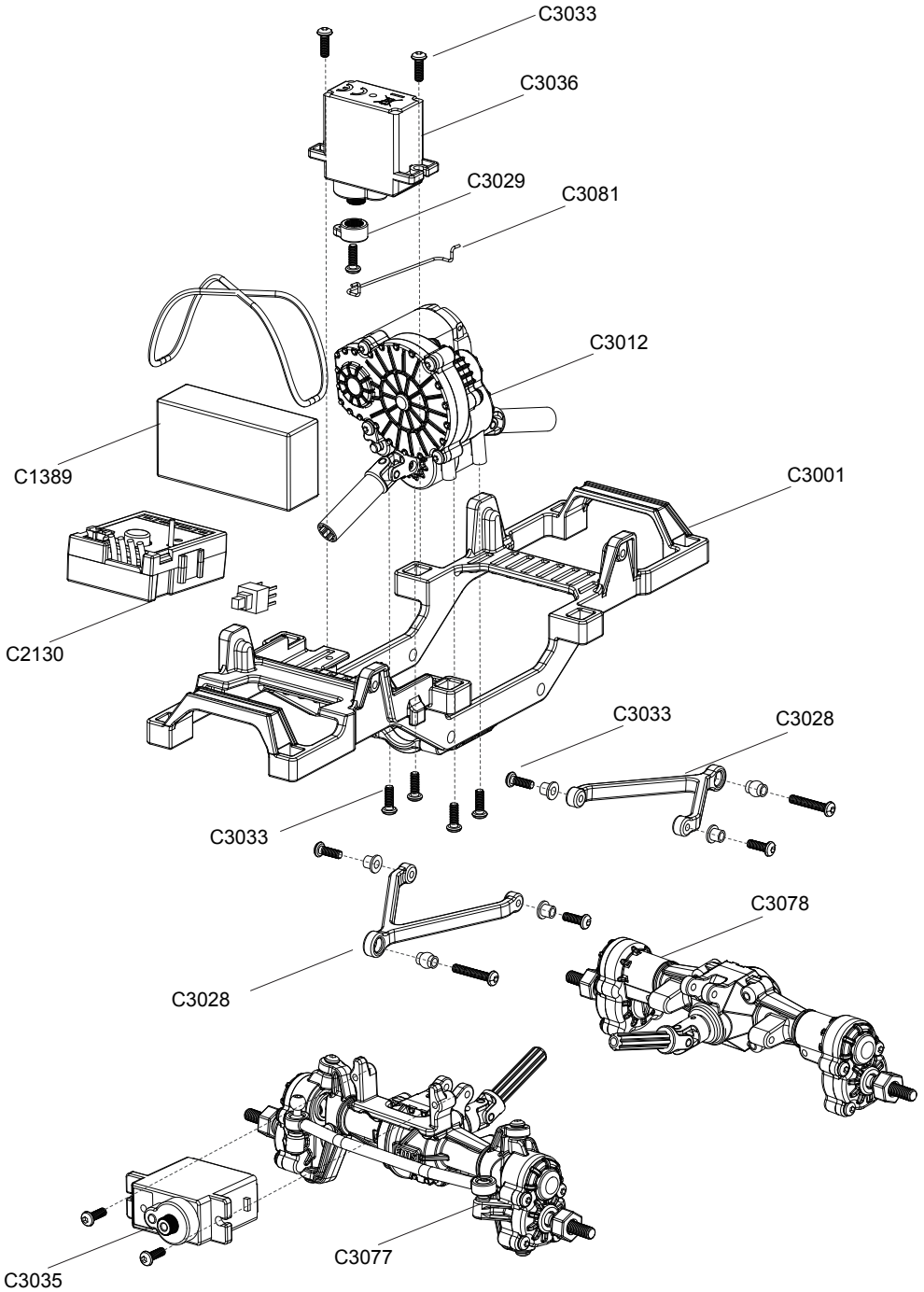
Spare parts list 配件列表

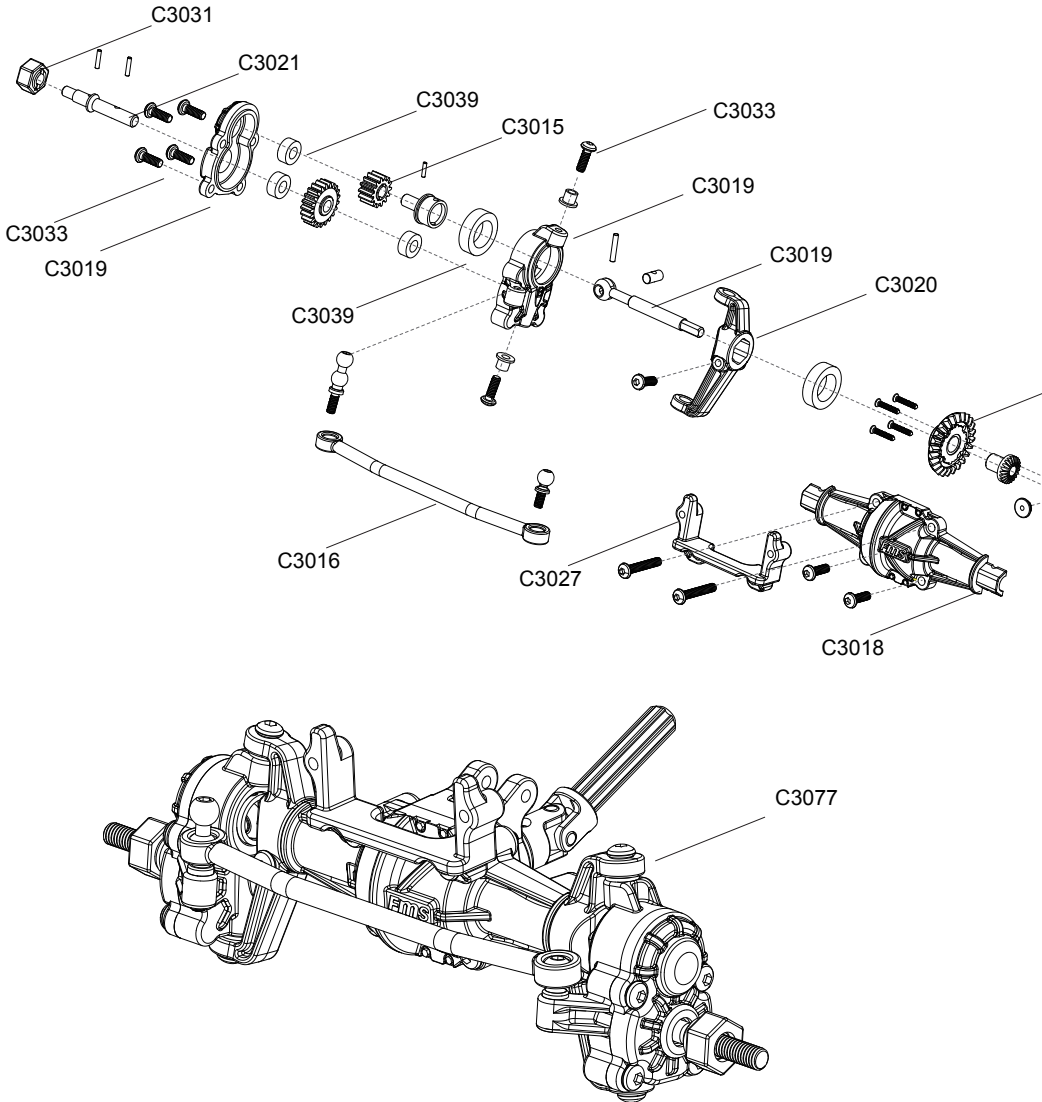
C3024	Pom differential set	赛钢差速器	C3022	Rear wheel shaft set	后轮轴
C3044	Max smasher tire	粉碎者轮胎	C3023	Front dog bone set	狗骨
C3045	Bumper set	防撞	C3025	Cvd axle set b	传动轴 B
C3046	Oil shock absorbers assembly	避震器	C3027	servo mount	舵机座
C3047	Car boby (w/o painting)	车壳白色素材	C3028	Rod set	连杆
C3048	windows	窗玻璃	C3029	Servo horn set	摇臂套装(黑色)
C3049	Lens set	灯片	C3030	Pinion gear	电机齿
C3050	Wheel	轮芯	C3031	Wheel hex adpator	六角接合件
C3051	Exhaustion plate	面罩	C3032	130 motor	130电机
C3052	Car decal sheet (SMASHER)	贴纸 SMASHER 贴纸	C3033	Screw	螺丝套装
C3053	Roll bar	防滚架	C3034	Screw nut	螺母
C3057	Car boby painted white	车壳 涂装:白色	C3035	Steering servo	转向舵机
C3058	Car boby painted blue	车壳 涂装:蓝色	C3036	Variable speed servo	换挡舵机
C3076	Car decal sheet (USA 1)	贴纸 USA 1	C3037	Led light set	灯线
C3077	Front axle assembly with differential set	前桥总成带差速器	C3039	Bearing set	五金轴承
C3078	Rear axle assembly with differential set	后桥总成带差速器	C3059	Portal axle metal gear	门桥金属齿轮
C3001	Girder	大梁	C3060	All terrain wheel	全地形车轮胎成品
C3012	Transmission gear box assembly	驱动牙箱成品	C3061	Metal differential	金属差速器
C3013	Transmission box shaft	齿轮箱传动轴	C3062	Metal transmission gear	变速箱金属齿
C3014	Transmission gear box plastic	传动箱胶件	C3063	Cvd axle set a	传动轴A
C3015	Gear set	齿轮	C3064	metal rod set	金属拉杆
C3016	Steering link set	转向杆	C3066	Metal drive gear	金属差速器驱动齿轮
C1389	Lipo battery 2s 380mah	电池 7.4V 2S 380mAh	C3067	130 motor heat sink	130电机散热片
C2122	MG41 Transmitter	MG41 发射器	C3069	Metal universal joint drive shaft	金属万向节传动轴
C2131	MG41 + R4A1 Transmitter receiver set	MG41 + R4A1 发射器/电调接收器	C3070	130 high speed motor	130 高速电机
C2130	R4a1 esc/rx combo	R4A1 电调接收器	C3071	Track unit set	履带模组
C3018	Axle plastic parts	直桥胶件	C3072	2.5 inches wheel with aluminum rim	铝合金轮毂轮胎 (套)
C3019	Portal axle cover	门桥胶件	C3073	Aluminum shock absorber	铝合金减震器
C3020	C hub set	C座套件	C3074	Ball head screw	单球头螺丝
C3021	Portal axle set	门桥轴	C3075	Double ball head screw	双球头螺丝
			C3079	Brass wheel counterweight	黄铜轮毂配重
			C3080	M4 aluminium ball head	M4铝波头
			C3081	Shift lever	换挡拉杆换挡拉杆

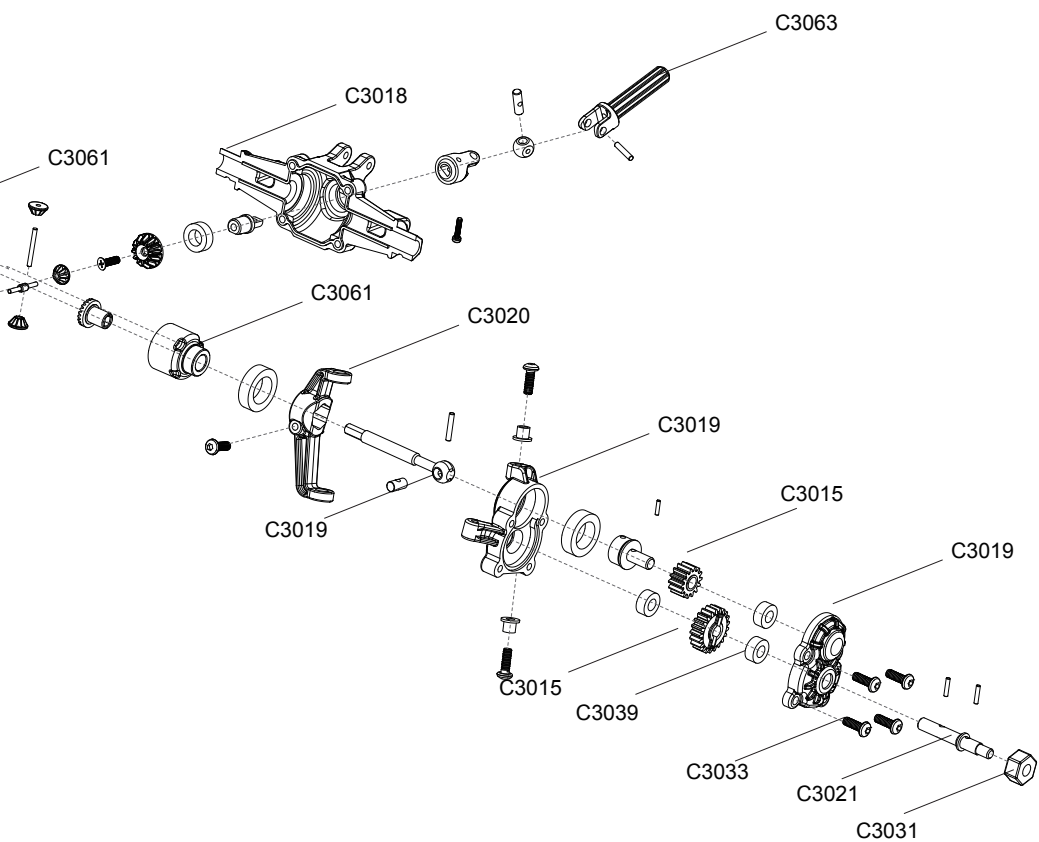


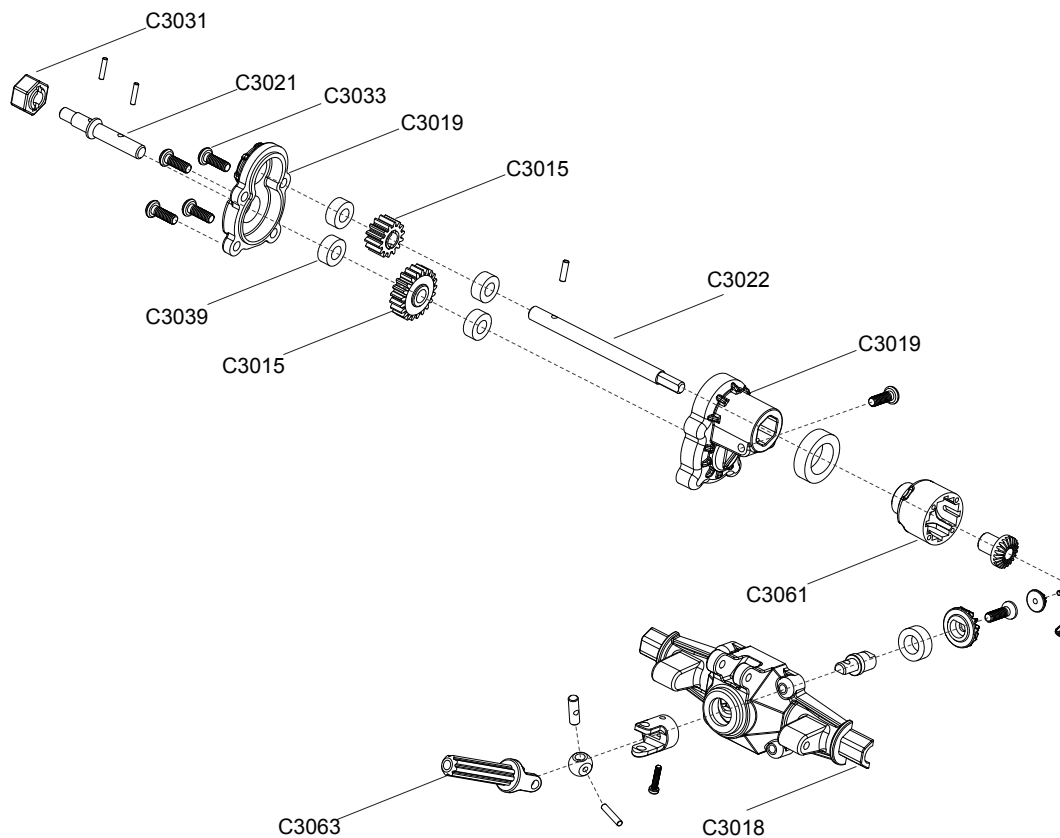


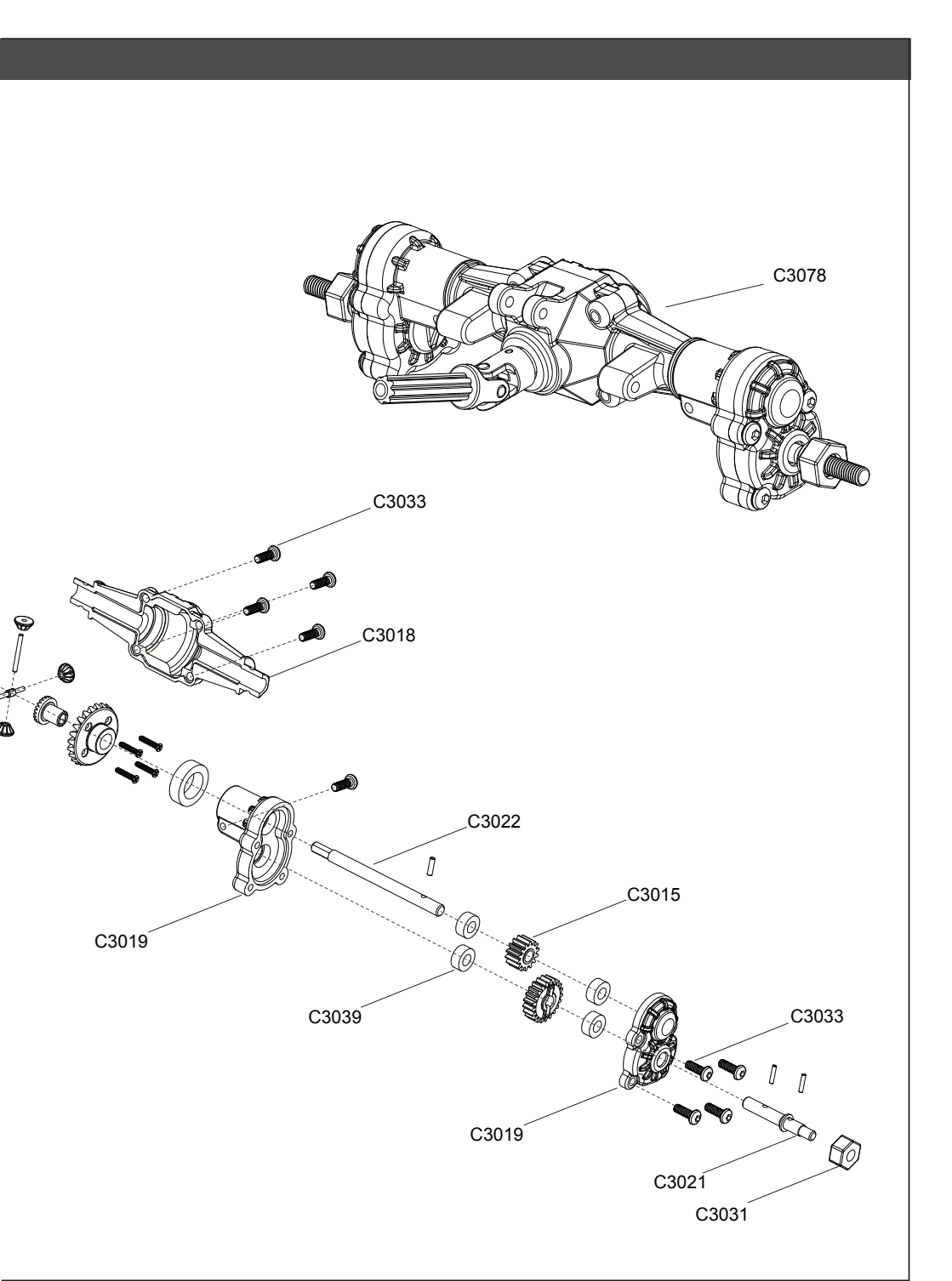




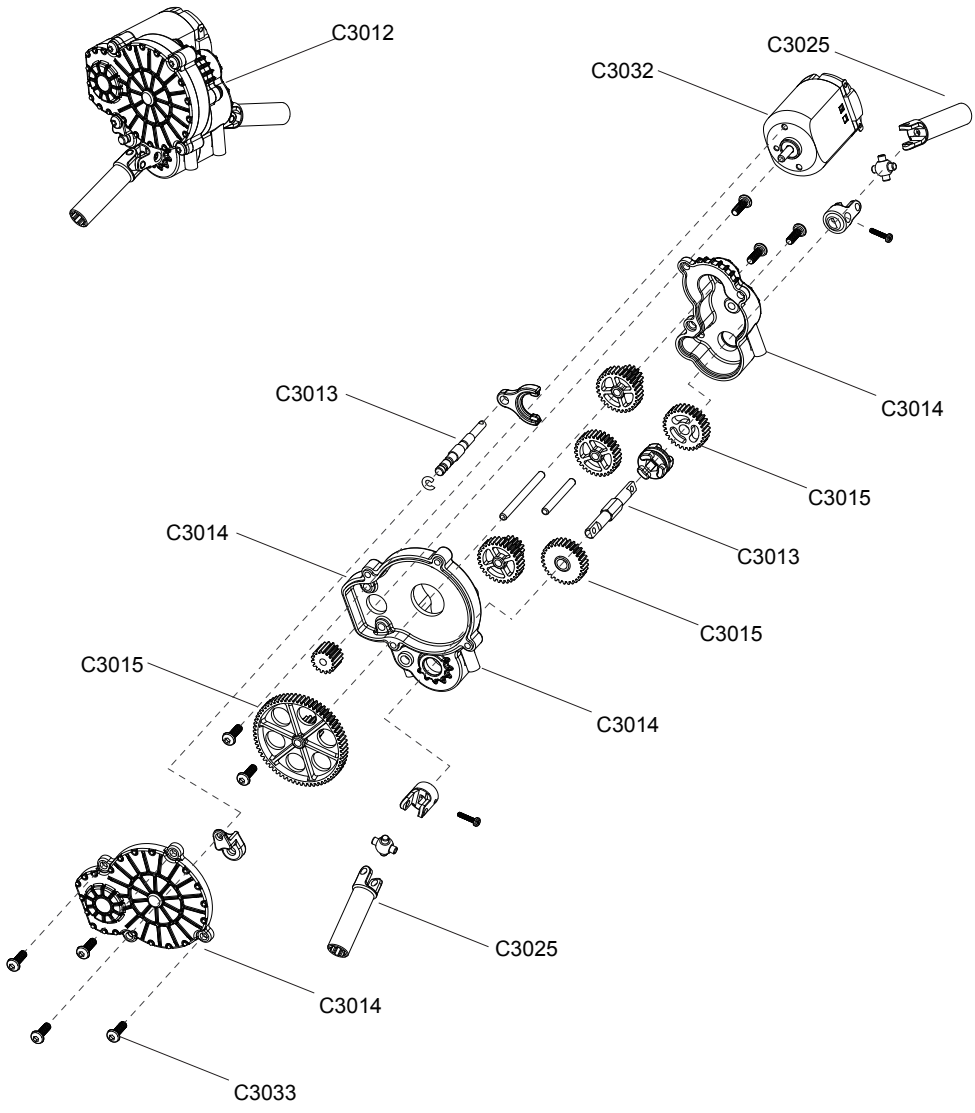


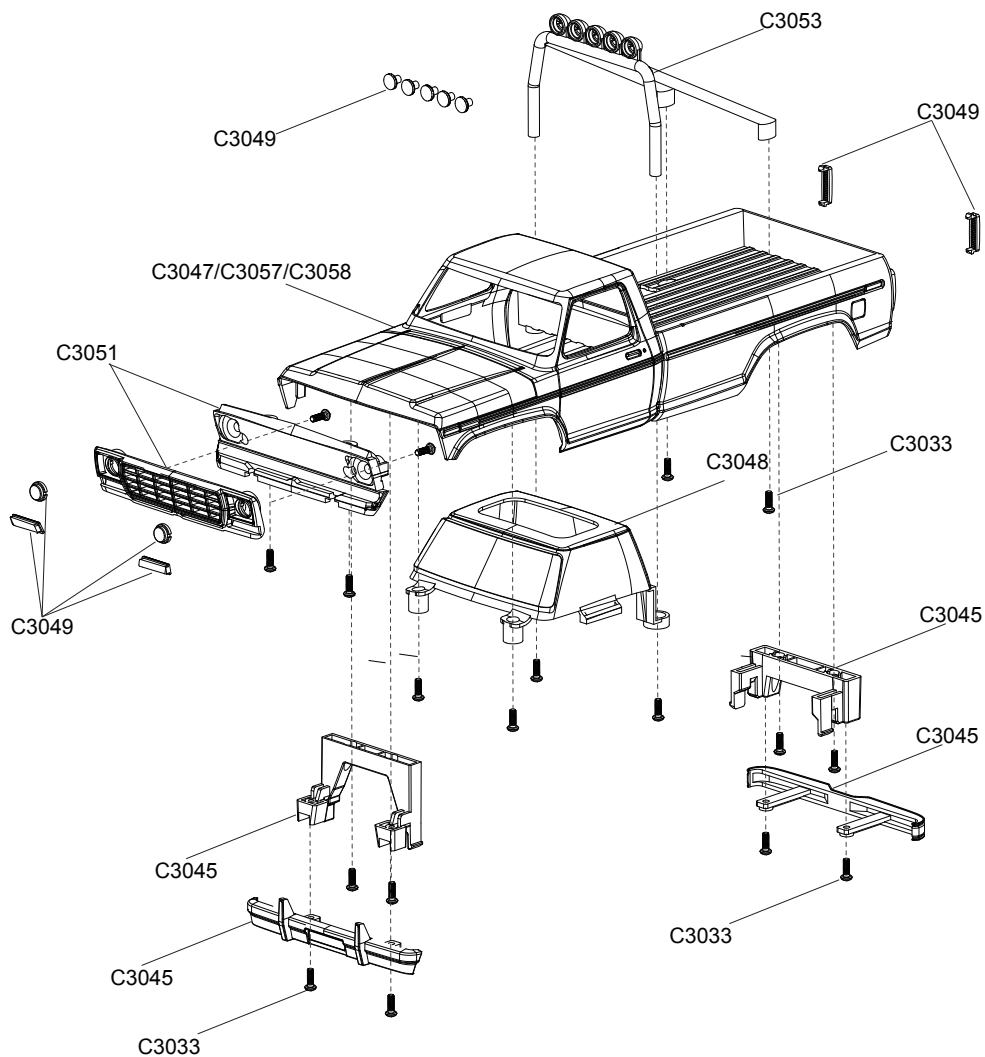






EN:Two speed transmission Installation CN:两档变速箱总成





EN: Vehicle Complete set
CN: 整车组

