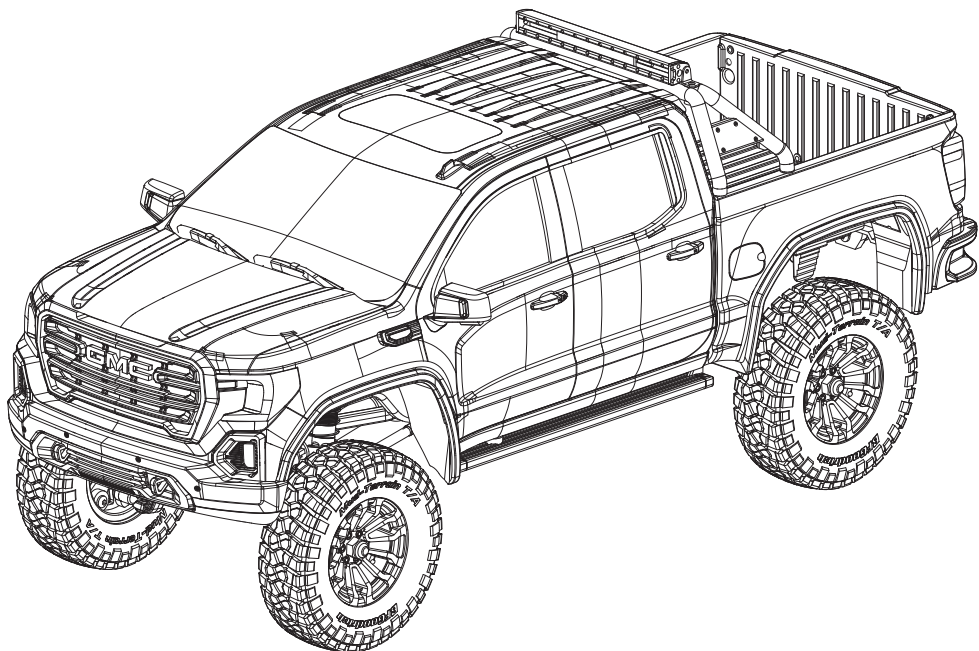


FMS

1/18 GMC SIERRA



FCX18

MAN-G0286

Instruction Manual
操作手册

Disclaimer and Warning 免责声明与警告

Thank you for purchasing our product. This product is composed of precision components and is not a toy. It is not suitable for use by individuals under the age of 14. Please do not allow children to come into contact with this product. Exercise extra caution when operating this product in the presence of children. This product is a remote-controlled model and will provide a smooth and easy operating experience when the power is functioning correctly, and all components are undamaged. Visit www.fms hobby.com to access the latest product manual and related supplementary instructions and warnings. We reserve the right to update this manual. If there are updates to this manual, they will not be notified separately.

Before using the product, please carefully read this product manual to understand your legal rights, responsibilities, and safety instructions. Failure to do so may result in property damage, safety incidents, and personal safety risks. Once you use this product, it is considered that you have understood, accepted, and agreed to all the terms and content of this manual. Users are responsible for their actions and all consequences arising from them. Users commit to using this product only for legitimate purposes and agree to all the terms and content in this manual as well as any relevant policies or guidelines that our company may establish. Our company and distributors are not liable for any losses caused by users not following the product manual. In compliance with laws and regulations, our company reserves the final interpretation of this manual. Our company has the right to update, revise, or terminate these terms without prior notice.

This manual is intended to assist you in correctly operating, maintaining, and repairing the vehicle. Since most of the components involved in this product are unique parts, please keep this manual for future reference.

感谢您购买我们的产品。本产品由精密部件组成，并非玩具，因此不适合 14 岁以下的人士使用。请勿让儿童接触本产品。在有儿童出现的场景操作时请务必特别小心注意。本产品是一款遥控模型产品，在电源正常工作及各部件未损坏的情况下将提供轻松自如的操作体验。请访问以下网址www.fms hobby.com获取最新的产品手册及相关附加说明与警告。我司保留更新本手册的权力。本手册如有更新，恕不另行通知。

请务必在使用产品之前仔细阅读本产品手册，了解您的合法权益、责任和安全说明，否则，可能带来财产损失、安全事故和人身安全隐患。一旦使用本产品，即视为您已理解、认可和接受本手册全部条款和内容。使用者承诺对自己的行为及因此而产生的所有后果负责。使用者承诺仅出于正当目的使用本产品，并且同意本手册内的全部条款内容及我司可能制定的任何相关政策或者准则。我司及分销商不承担因用户未按产品手册使用产品所引发的一切损失。在遵从法律法规的情况下，我司享有对本手册的最终解释权。我司有权在不事先通知的情况下，对本条款进行更新改版或终止。

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。

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, deep 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 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、深水及不稳定地形。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。
- 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子通电。断电方式：务必先将车子断电再关遥控器。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。
- 遥控器电池低电时，请勿操作模型车，以免出现失控。
- 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，如烤箱或加热器等。

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。

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。

 Danger 危险	Not following these instructions may lead to serious injuries or death. 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严重受伤，甚至遭受生命危险。
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 Warning 危险	Not following these instructions may lead to major 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。
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 Caution 危险	Not following these instructions may lead to minor injuries. 如果使用者不按照说明方法操作，可能导致操作者或他人轻微伤害。
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Safety guide 安全信息

Prohibited 禁止

- 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.

- 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您的视线范围内，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。

- 请勿在操作过程中或使用后立即触摸模型可能产生热量的任何部分。发动机、电机或速度控制器可能非常热，并可能导致严重烧伤。

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.

- 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。

- 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。

- 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。

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.

FCC Statement

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.

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.
- (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. 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.

2. Move all your channels to the desired position.

3. Select [All channels] and then [Yes] in the confirmation box.

FCC ID N4ZMG400

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.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS



IC Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Product Introduction**产品简介****Background 产品背景**

The 2019 GMC Sierra is a full-size pickup truck launched by the GMC brand under General Motors LLC, belonging to the Sierra series. This model inherits the GMC brand's luxurious and robust genes, combining high performance, comfort, and advanced technology, and is designed for diverse usage scenarios.

Compared to the previous generation, the 2019 GMC Sierra adopts a completely new exterior design language. Its sharp, smooth body lines paired with the iconic large shield-shaped grille, along with the innovative C-shaped LED daytime running lights, create a modern aesthetic that blends power with luxury. The three-dimensional waistline on the side enhances its muscular appearance, making the overall design more visually striking.

In terms of off-road performance, the new vehicle is equipped with an upgraded suspension system, featuring a terrain selection system and a rear axle electronic differential lock, among other professional configurations. The ground clearance is increased to 287mm. This off-road package allows the vehicle to easily tackle complex terrains such as rocks and mud, making it especially suitable for outdoor adventure enthusiasts, campers, or users who frequently drive on unpaved roads. Thanks to the synergy between all-terrain tires and the part-time four-wheel-drive system, the vehicle maintains road driving comfort while exhibiting excellent adaptability to harsh environments, making it the ideal ride for extreme challenge enthusiasts.

2019款GMC Sierra是通用汽车旗下品牌推出的全尺寸皮卡，隶属于Sierra系列。该车型继承了GMC品牌豪华与坚固的基因，集高性能、舒适性与先进技术于一身，专为多元化使用场景打造。

相较于前代车型，2019款GMC Sierra采用全新外观设计语言，其锐利流畅的车身线条配合标志性大尺寸盾形格栅，结合创新设计的C形LED日间行车灯，塑造出兼具力量感与豪华气质的现代美学。车身侧面通过立体腰线强化肌肉感，整体造型更具视觉冲击力。

越野性能方面，新车配备经过强化设计的悬挂系统，新增地形选择系统和后桥电子差速锁等专业配置，离地间隙提升至287mm。这套越野套件使车辆能够从容应对岩石、泥泞等复杂地形挑战，特别适合热衷户外探险、露营穿越或需频繁通过非铺装路面的用户群体。得益于全地形轮胎与分时四驱系统的协同作用，该车辆在保持公路驾驶舒适性的同时，展现出卓越的恶劣环境适应能力，成为极限挑战爱好者的理想座驾。

About Model 产品介绍

Authorized by General Motors LLC, the FMS model recreates a classic vehicle based on the FCX18 series chassis. The FMS 1/18 GMC Sierra features sharp and clear body contours with exquisite detailing, and the iconic chrome grille at the front highlights the unique design language. The vehicle is equipped with foldable side mirrors, door handles, windshield wipers, and a roll cage.

The entire vehicle is equipped with precisely molded interior components and a lighting control system that synchronizes with the real vehicle's lighting effects, enabling interactive control of the headlights, turn signals, and taillights. The combination of large rubber tires and plastic wheels balances the needs for both leisurely cruising and high-speed driving.

The Sierra chassis features a metal frame, metal link rods, metal steering linkages, and metal steering rods, ensuring stability in extreme environments. The centrally mounted powertrain, with an integrated two-speed gearbox, transfer case, and 1312 high-torque brushless motor, achieves a low center of gravity. Power is transmitted through universal drive shafts to the front and rear portal axle structures (wheel-edge reducers). By increasing the ground clearance of the differential gears, the vehicle's off-road capability is enhanced, making it particularly impressive on rough terrain.

This model comes standard with straight axle drive, but it can be upgraded to a planetary gear differential. Paired with high-viscosity silicone oil, it simulates the effect of an LSD (Limited Slip Differential). While this modification reduces extreme climbing ability, it enables a smaller turning radius and better high-speed stability.

由通用汽车公司授权，FMS模型基于FCX18系列底盘再现经典车型。FMS 1/18 GMC Sierra车身轮廓锐利清晰，细节处理精致，车头标志性镀铬格栅凸显独特设计语言。车辆配备可折叠后视镜、门把手、雨刮器及防滚架。

整车搭载精密吸塑成型内饰，配合与真车效果同步的灯控系统，实现大灯、转向灯、尾灯联动控制功能。大尺寸橡胶轮胎与塑胶轮毂的组合，兼顾悠闲巡航与高速行驶需求。

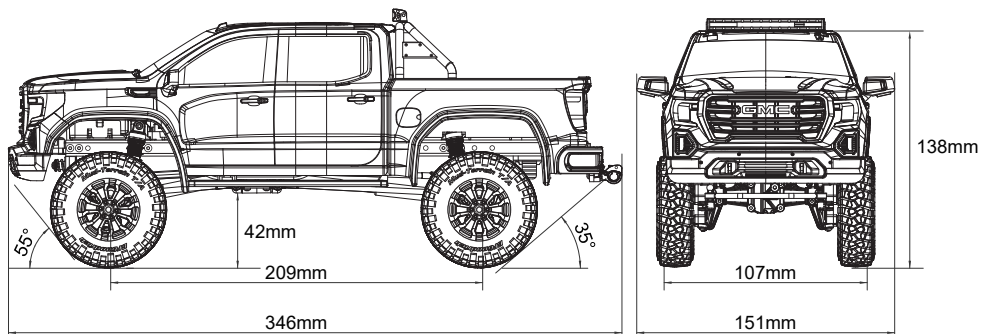
Sierra底盘采用金属大梁、金属拉杆、金属转向拉杆及转向连杆，确保极端环境下的稳定性；中置动力总成通过集成2档变速机构、分动箱与1312大扭矩无刷电机实现低重心布局，动力经万向节传动轴输送至前后门桥结构（轮边减速器），通过提升差速器牙包离地间隙增强通过性，在崎岖路面表现尤为突出。

该车型默认配置直轴驱动，支持更换为行星齿轮差速器，配合高粘度硅油可模拟LSD限滑差速效果。改装后虽会降低极限攀爬能力，但能实现更小转向半径与更优的高速行驶稳定性。

Features 特点

- GENERAL MOTORS LLC LICENSED PRODUCT
- 1312 BRUSHLESS MOTOR
- METAL LINK ROD
- SIMULATION CAR LIGHTS & MULTIPLE LIGHTING EFFECTS
- TWO-SPEED TRANSMISSION
- PORTAL AXLES (METAL GEAR)
- BALL BEARINGS FULL SET (24PCS)
- METAL-GEAR STEERING SERVO
- FOUR-LINK SUSPENSION
- COIL SPRINGS + METAL OIL DAMPER
- 4WD
- RIGID METAL GIRDER
- 通用汽车公司授权产品
- 1312无刷电机
- 金属拉杆
- 仿真车灯&多种灯效
- 两档变速
- 门式车桥 (金属齿轮)
- 全车滚珠轴承 (24颗)
- 金属齿转向舵机
- 四连杆悬挂
- 螺旋弹簧+金属油压避震
- 四驱
- 金属大梁

Specification 产品参数



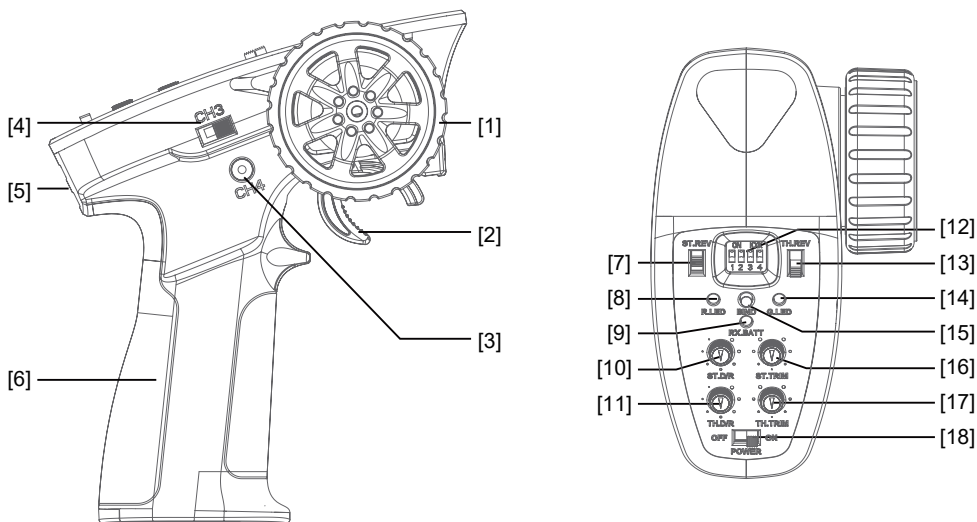
- Length: 346mm
- Width: 151mm
- Height: 138mm
- Wheelbase: 209mm
- Tire F/R :Φ 66*22mm
- Minimum Ground Clearance: 42mm
- Approach Angle: 55°
- Departure Angle: 35°
- Motor: 1312 Brushless motor
- Battery : 2S LiPo 7.4V 900mAh x1
- Remote control distance: 30m
- Approx. operating duration time: 15-20mins
- Remote control: MG44-BS

- 车长: 346mm
- 车宽: 151mm
- 车高: 138mm
- 轴距: 209mm
- 轮胎: Φ 66*22mm
- 离地间隙: 42mm
- 接近角: 55°
- 离去角: 35°
- 电机: 1312无刷电机
- 电池: 2S LiPo 7.4V 900mAh
- 遥控距离: 30m
- 续航: 15-20分钟
- 遥控: MG44-BS

Transmitter instruction 发射机介绍

The MG44-BS is a simplified 4-channel transmitter that adopts the 2.4GHz 2A-BS Automatic Frequency Hopping Digital System. The transmitter is lightweight and compact in design, comfortable and ergonomic. It has a beginner mode and is easy for beginner players to use.

MG44-BS是一款采用2.4GHz 2A-BS协议自动跳频数字系统的简版4通道双向发射机，外观设计轻便小巧，手感舒适，符合人体工程学，可通过发射机设置电调参数。该款发射机还具备初学者模式方便入门玩家使用。



- | | |
|---|--|
| <p>[1] Steering Wheel, 35 degrees on each side(CH1)
方向手轮，左右各 35 度 (CH1)</p> | <p>[10] ST.D/R, to adjust the D/R for steering channel
方向通道舵量调节旋钮 (ST.D/R)</p> |
| <p>[2] Throttle Trigger, 25 degrees forward and 12.5 degrees backward (CH2)
油门扳机，前 25 度后 12.5 度 (CH2)</p> | <p>[11] TH.D/R, to adjust the D/R for throttle channel
油门通道舵量调节旋钮 (TH.D/R)</p> |
| <p>[3] Push button switch (CH4) [Push button function is flip type]
按键开关 (CH4) [按键功能为翻转式]</p> | <p>[12] Toggle Switch, to set the related function of ESC
拨码开关 (切换电调的工作模式)</p> |
| <p>[4] Three-position toggle switch (CH3)
三档拨动开关 (CH3)</p> | <p>[13] TH.REV, Throttle Channel Reverse Button
油门通道反向开关 (TH.REV)</p> |
| <p>[5] Lanyard hole
挂绳孔</p> | <p>[14] G.LED, Status Indicator
状态指示灯绿色 LED (G.LED)</p> |
| <p>[6] Handle, 4*AAA battery compartment
手柄，4*AAA电池仓</p> | <p>[15] BIND Button
对码按键 (BIND)</p> |
| <p>[7] ST.REV (Steering wheel reverse)
方向通道反向开关 (ST.REV)</p> | <p>[16] ST.TRIM, to adjust the trim of steering channel
方向通道微调旋钮 (ST.TRIM)</p> |
| <p>[8] R.LED(Power indicator)
电源指示灯红色 LED (R.LED)</p> | <p>[17] TH.TRIM, to adjust the trim of throttle channel
油门通道微调旋钮 (TH.TRIM)</p> |
| <p>[9] RX.BATT, ESC Battery Power Indicator
电调电池电量显示指示灯 (RX.BATT)</p> | <p>[18] POWER ON/OFF, Power Switch
电源开关 (POWER OFF/ON)</p> |

Transmitter Specifications 发射机规格

• Product : Model FS-MG44-BS	• 产品型号 : FS-MG44-BS
• Channels : 4	• 通道个数 : 4
• Model Type : Car or Boat	• 适配模型 : 车、船
• RF : 2.4GHz ISM	• 无线频率 : 2.4GHz ISM
• RF Protocol : 2A-BS	• 无线协议 : 2A-BS
• Maximum Power : <20dBm (e.i.r.p.) (EU)	• 发射功率 : <20dBm
• Resolution : 1024	• 通道分辨率 : 1024 级
• Distance : >150m(Ground distance without interference)	• 遥控距离 : >150m (空旷无干扰地面距离)
• Input Power : 6V/DC or 1.5AAA*4	• 输入电源 : 6V DC 1.5AAA*4
• Charging Interface : None	• 充电接口 : 无
• Life time : According to Battery Type	• 续航时间 : 依电池类型
• Low Voltage Warning : <4.2V	• 低电压报警 : < 4.2V
• Antenna Type : Single Built-in Antenna	• 天线类型 : 内置单天线
• Data Interface : None	• 数据接口 : 无
• Temperature Range : -10°C ~ +60°C	• 温度范围 : -10°C ~ +60°C
• Humidity Range : 20% ~ 95%	• 湿度范围 : 20% ~ 95%
• Online Update : None	• 在线更新 : 无
• Dimensions : 118*73*145mm	• 外形尺寸 : 118mm*73mm*145mm
• Weight : 130g	• 机身重量 : 130g
• Certifications : CE, FCC ID: N4ZMG400, MIC:R210-167762, IC: 25584-MG4BS00	• 认证 : CE, FCC ID:N4ZMG400, MIC:R210-167762, IC:25584-MG4BS00

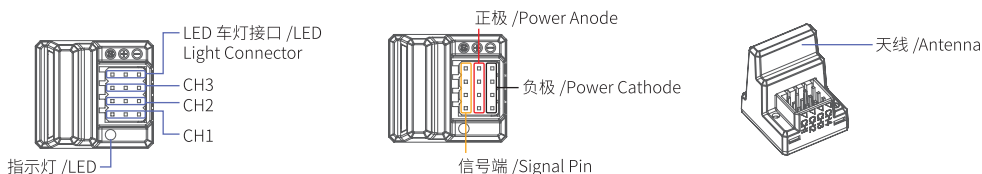
Overview Instruction

接收机概览

Overview 接收机

The FS-FMS-R4P2-BS uses the 2A-BS protocol and is a 4-channel receiver with LED light group control functionality. It features an internal single antenna, supports one-way transmission and automatic bind-upon power-on. It can output PWM signals and vehicle light control signals, and can be used with an LED light unit. It is compatible with a variety of RC cars.

FS-FMS-R4P2-BS 采用 2A-BS 协议，是一款带 LED 灯组控制的 4 通道接收机。它具有内置单天线，支持单向传输，采用通电自动对码技术，可输出 PWM 信号和车灯控制信号，可搭配车灯驱动板使用，可适配多种车型使用。



Overview Specifications 产品规格

• Product Model: FS-FMS-R4P2-BS	• 产品型号: FS-FMS-R4P2-BS
• Compatible Transmitters: FS-FMS-MG44-BS	• 适配发射机: FS-FMS-MG44-BS
• Compatible RC Model: Cars	• 适配模型: 车
• Number of Channels: 4	• 通道个数: 4
• RF: 2.4GHz ISM	• 无线频率: 2.4GHz ISM
• RF Protocol: 2A-BS	• 无线协议: 2A-BS
• Antenna: One built-in antenna	• 天线类型: 内置单天线
• Distance: More than 150m (Ground Distance without Interference)	• 遥控距离: > 150 米 (空旷无干扰地面距离)
• Number of LED Lights: 6 (The DB01 LED light unit connects to the LED light connector)	• 车灯组数: 6 (LED 车灯接口连接 DB01 车灯驱动板)
• Operating Voltage: 3.5 ~ 8.4V/DC	• 工作电压: 3.5 ~ 8.4V/DC
• Data Output: PWM	• 数据输出: PWM
• Temperature Range: -10°C ~ +60°C	• 温度范围: -10°C ~ +60°C
• Humidity ange: 20% ~ 95%	• 湿度范围: 20% ~ 95%
• Waterproof: PPX4	• 防水等级: PPX4
• Firmware Update: Not Supported	• 固件更新: 不支持
• Dimensions: 22.6*20.6*25.5mm	• 外形尺寸: 22.6*20.6*25.5mm
• Weight: 6g	• 机身重量: 6g
• Certifications: CE, FCC	• 认证: CE, FCC

Installation 安装说明

The receiver has a built-in antenna. In order to ensure the signal strength and avoid the remote control distance affected, when installing the receiver, you need to pay attention to the followings:

- The receiver antenna must be kept perpendicular to the model body (as shown in the picture)!
- It is recommended to install the receiver on a high level surface of the model body without metal obstructions around the receiver.

本款接收机为内置天线，为保证信号强度，以免影响遥控距离，安装接收机时，需注意以下事项：

- 接收机天线须与模型机身保持垂直！
- 建议将接收机安装在模型机身位置较高的水平面上，且四周无金属遮挡。

Binding 对码

This receiver is to automatically enter the binding mode upon power-on.

- The receiver will enter the waiting-for-connection status upon power-on, waiting for the connection to the bound transmitter
- If the receiver does not connect the bound transmitter within 2 seconds, it will automatically enter the binding state. This state lasts for 10 seconds.
- If the binding with the transmitter is successful, it will enter the normal communication status, otherwise, it will exit the binding state and return to the waiting-for-connection status.

Note: in case of binding, the receiver LED flashes quickly. in case of waiting-for-connection, the receiver LED flashes slowly. in case of normal communication, the receiver LED is solid on.

The binding steps are as below.

1. Put the transmitter into binding mode.

Turn on the receiver, and it will wait 2 seconds for connection. If without connection, the receiver will enter the binding mode automatically. At this time, the receiver LED will be flashing fast.

3. After the binding is successful, the receiver LED is solid on.

4. Verify that the transmitter and receiver are working properly. If you need to re-bind, repeat the above steps.

Note: Set the transmitter to its binding state first, and then set the receiver to its binding status. If the binding is not finished within 10 seconds, the receiver LED will enter a slow flashing status.

本款接收机通电自动进入对码状态:

- 接收机上电即进入等待连接状态, 等待与已对码的发射机建立通信;
- 若2秒未与已对码的发射机建立通信, 则自动进入对码状态, 此状态持续10秒;
- 若与发射机对码成功, 即进入正常通信状态; 否则退出对码状态, 回到等待连接状态。

注: 对码时, 接收机 LED 灯快闪; 等待连接时, 接收机 LED 灯慢闪; 正常通信时, 接收机 LED 灯常亮。

对码步骤如下:

1、将发射机进入对码状态;

2、接收机通电等待2秒没有连接后自动进入对码状态, 此时接收机 LED 灯快闪;

3、对码成功后, 接收机 LED 灯常亮;

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: 对码时请先将发射机进入对码状态, 再将接收机进入对码状态, 若10秒内对码没有完成, 接收机 LED 灯进入慢闪状态。

LED Light Control 车灯控制

This receiver features six sets of LED lights: Turn signal left light, turn signal right light, daytime running light, headlight, brake/rear turn signal left light and brake/rear turn signal right light. And these six sets of LED lights are connected to this receiver through the DB03-B LED light unit.

The status of all the LED lights is controlled by the corresponding controls of the FS-FMS-MG44-BS transmitter.

The daytime running light and headlight are controlled by the CH4 button.

The brake and reverse lights are controlled by the throttle trigger.

The turn signal function is off by default; even if you rotate the steering wheel, it will not trigger the left or right turn signals. Under normal communication conditions, you can rotate the steering wheel clockwise to the maximum position, and then simultaneously long press the CH4 button to activate the turn signal function. Continue to long press the CH4 button to turn off on the turn signal function. Once the turn signal function is activated, the on-off state of the left and right turn signals is controlled by the steering wheel.

Details are as follows:

LED Lights	LED Light State	State	Control	Trigger Condition	Notes
Turn Signal Left Light	Slow Flashing	Turn Left	Steering Wheel	Turn the steering wheel counterclockwise	/
Turn Signal Right Light	Slow Flashing	Turn Right	Steering Wheel	Turn the steering wheel clockwise	

Daytime Running Light/ Headlight	OFF	/	CH4	Short press the CH4 button	Short press the CH4 button to turn on the daytime running light; then short press the CH4 button again to turn on the headlight; short press the CH4 button again to turn off both the daytime running lights and the headlights simultaneously. The state of the daytime running lights and head-lights will cycle through the described sequence accordingly each time you operate the CH4 button.
	Solid ON				
Brake/Rear Trun Signal Left Light	Highlight/ Slow Flashing	Brake/ Turn Left	Trigger/ Steering Wheel	Push the trigger forward /Turn the steering wheel counterclockwise	When the running mode of ESC is set to Forward/Reverse mode (no brake), the Brake Light will not on when pushing the throttle trigger forward.
Brake/Rear Trun Signal Right Light	Highlight/ Slow Flashing	Brake/ Turn Right	Trigger/ Steering Wheel	Push the trigger forward /Turn the steering wheel clockwise	When the running mode of ESC is set to Forward/Reverse mode (no brake), the Brake Light will not on when pushing the throttle trigger forward.

1. After the receiver is turned on, all the LED lights will be on for one second and then go out.
2. The steering channel (CH1)and throttle channel (CH2) are capable of automatic neutral identifying, after the trim is adjusted the receiver should be powered again to recognize the neutral positions of these two channels automatically.
3. If you have set the steering channel in reverse, the trigger condition for turn signal left light and turn signal right light will not be affected.

本接收机支持 6 组车灯：左转灯、右转灯、日行灯、前大灯、刹车灯带左转灯、刹车灯带右转灯（此 6 组车灯通过 DB03-B 车灯驱动板与本接收机建立连接）。

车灯状态由 FS-FMS-MG44-BS 发射机的相应控件控制：

日行灯和前大灯：亮灭状态由 CH4 按键控制。

刹车灯：亮灭状态由扳机控制。

左转灯和右转灯：默认转向灯功能为关闭状态，即使旋转手轮也不会触发左右转向灯。在正常通信情况下，可顺时针旋转手轮至最大位置，然后同时长按 CH4 按键以开启转向灯功能。继续长按 CH4 按键可关闭或开启转向灯功能。转向灯功能开启后，左转灯和右转灯的亮灭状态由手轮控制，具体如下所述：

车灯	车灯状态	控制状态	控件	触发条件	备注
左转灯	慢闪	左转	手轮	逆时针打手轮	/
右转灯	慢闪	右转	手轮	顺时针打手轮	
日行灯 前大灯	常灭 常亮	/	CH4	短按CH4按键	短按一下 CH4 按键日行灯亮起，接着短按一下前大灯亮起，再次短按一下日行灯与前大灯同时关闭。操作 CH4 按键，日行灯与前大灯依此状态循环。
刹车灯带 左转灯	常亮/慢闪	刹车/左转	扳机/ 手轮	前推扳机/ 逆时针打手轮	当电调运行模式设置为正转 / 反转模式时（无刹车），前推扳机刹车灯不亮。
刹车灯带 右转灯	常亮/慢闪	刹车/右转	扳机/ 手轮	前推扳机/ 顺时针打手轮	当电调运行模式设置为正转 / 反转模式时（无刹车），前推扳机刹车灯不亮。

- 1、接收机开机后，所有车灯常亮一秒后灭；
- 2、方向通道（CH1）和油门通道（CH2）具有自动识别中位的功能，当调过微调后，需重新给接收机上电以完成中位自动识别；
- 3、方向通道设置反向对左、右转向灯无影响。

Fail-safe 失控保护

The failsafe function is used to protect the model and personnel when the receiver is out-of-control.

- By default, it is not set, after out-of-control, no matter whether is set or not, the CH2 has no output, for the other channels of the receiver will keep the last output, if it has been set at the transmitter side, the output will be according to the set value.
- When the receiver is out-of-control, the turn signal left and right lights will flash slowly for prompt.

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。

- 该接收机默认未设置，失控后，无论是否设置 CH2 始终无输出，接收机其他通道保持最后输出。若已在发射机端设置，则按照设置值输出。
- 失控后，左、右车灯同步慢闪提示。

Attention:

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Normally, you must power on the transmitter and then receiver, and power off the receiver and then the transmitter.
- 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.

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。
- 为了一切正常，请养成先开发射机再接收机通电以及先接收机断电再关闭发射机的习惯。
- 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。
- 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。

Certifications

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:

- 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/T technician for help.

EU DoC Declaration

Hereby, [ShenZhen FIYSKY Technology co., Ltd.] declares that the Radio Equipment [Fs-FMS-R4P1-B S] is in compliance with RED 2014/53/EU.

ETSI EN 301 489-1 V2.2.3 (2019-11)

BS EN 62311:2008

ETSI EN 301 489-17 V3.2.4 (2020-09)

BS EN IEC 62368-1:2020+A11:2020

ETSI EN 300 328 V2.2.2(2019-07)

BS EN 62479:2010

The full text of the EU DoC is available at the following internet address: www.fivskytech.com/info-detail/i10.html.

RF Exposure Compliance

This equipment complies with FCC/IsED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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.

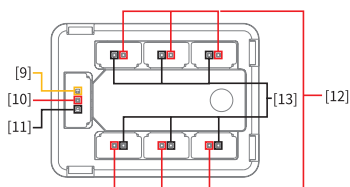
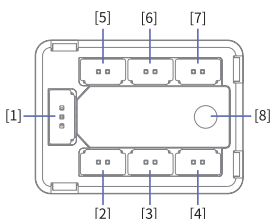
LED Light Unit

车灯驱动板

Introduction 产品介绍

The FS-DB03-B is an LED light unit designed for use with a receiver. It features 6 independent LED light connectors, allowing separate control for each group of lights. Additionally, it has a waterproof rating of IPX7.

FS-DB03-B 是一款专为接收机设计的车灯驱动板，配备 6 组独立可控的车灯接口，支持对每组车灯进行单独控制，并具备 IPX7 级防水性能。



[1] Signal Input Interface

[2] Turn Signal Left Light Interface

[3] Turn Signal Right Light Interface

[4] Daytime Running Light Interface

[5] Brake & Turn Signal Left Light Interface

[6] Brake & Turn Signal Right Light Interface

[7] Head Light Interface

[1] 信号输入接口 [4] 日行灯接口

[2] 左转灯接口 [5] 刹车灯&尾部左转向灯接口

[3] 右转灯接口 [6] 刹车灯&尾部右转向灯接口

[7] 顶灯

[8] LED 指示灯

[9] S(信号输入接口信号端)

[8] LED

[9] S (Signal Pin of Signal Input Interface)

[10] "+" (Anode of Signal Input Interface)

[11] "-" (Cathode of Signal Input Interface)

[12] "+" (Anode of LED Light Interface)

[13] "-" (Cathode of LED Light Interface)

[10] "+"(信号输入接口正极)

[11] "-"(信号输入接口负极)

[12] "+"(车灯接口正极)

[13] "-"(车灯接口负极)

Note: 1. All LED light interfaces use 1.0 mm × 2-pin standard connectors, while the signal input interface adopts a 1.0 mm × 3-pin connector.

2. The signal input interface is used to connect the receiver's LED light expansion interface.

注意：1、所有车灯接口为 1.0 mm* 2 Pin 端子座，信号输入接口为标准的 1.0mm* 3 Pin 端子座；

2、信号输入接口用于连接接收机的车灯扩展接口。

Product Specifications 产品规格

• Product Model: FS-DB03-B	• 产品型号: FS-DB03-B
• Compatible Receivers: FS-R11D-ESC-BS, FS-R6D-ESC-BS, FS-R4ABL-ESC-BS	• 适配接收机: FS-R11D-ESC-BS, FS-R6D-ESC-BS, FS-R4ABL-ESC-BS
• Compatible RC Model: Cars	• 适配模型: 车
• Number of LED Lights: 6 sets	• 车灯组数: 6
• Data Output: LED Light Control Signal	• 数据输出: 车灯控制信号
• Operating Voltage: 3.5~8.4V/DC	• 工作电压: 3.5~8.4V/DC
• Temperature Range: -10°C ~ +60°C	• 温度范围: -10°C ~ +60°C
• Humidity Range: 20% ~ 95%	• 湿度范围: 20% ~ 95%
• Waterproof: PPX7	• 防水等级: PPX7
• Dimensions: 23.0mm*17.0mm*10.5mm	• 外形尺寸: 23.0*17.0*10.5mm
• Weight: 4g	• 机身重量: 4g
• Firmware Updated: Not Supported	• 固件更新: 不支持
• Certifications: CE, FCC	• 认证: CE, FCC

Functions 功能相关

Connection between the LED light unit and the receiver.

Connect the LED light unit to the receiver's LED light expansion interface through the signal input interface.

LED Status

- When the LED is solid on, it indicates that the LED light unit is operating normally.
- When the LED flashes slowly, it indicates that the LED light unit is not receiving valid signals.

车灯驱动板与接收机连接

将车灯驱动板通过信号输入接口与接收机的车灯扩展接口相连接。

LED 状态说明

- LED 指示灯常亮，车灯驱动板为正常工作状态。
- LED 指示灯慢闪，车灯驱动板未收到有效信号。

Certifications

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:

- 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/T technician for help.

EU DoC Declaration

Hereby, [ShenZhen FIYSKY Technology co., Ltd.] declares that the Radio Equipment [Fs-FMS-R4P1-B S] is in compliance with RED 2014/53/EU.

ETSI EN 301 489-1 V2.2.3 (2019-11)

BS EN 62311:2008

ETSI EN 301 489-17 V3.2.4 (2020-09)

BS EN IEC 62368-1:2020+A11:2020

ETSI EN 300 328 V2.2.2(2019-07)

BS EN 62479:2010

The full text of the EU DoC is available at the following internet address: www.fivskytech.com/info-detail10.html.

RF Exposure Compliance

This equipment complies with FCC/IsED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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.

Getting Started

使用前准备

Transmitter Battery Installation 发射机电池安装

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。

 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、碰撞或振动。
 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.

Note: When installing the batteries, be careful to handle the positive and negative poles. (As shown in the picture on the right)

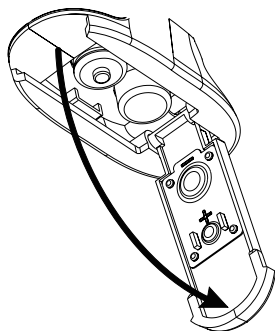
电池类型使用：AAA 电池

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，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。

注：安装电池时，请留意电池正负极，避免安装错误。（如右图所示）



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, maximum range and to mitigate external interference, follow these guidelines.

Pay attention to the following when installing the receiver:

1. Make sure the receiver is not installed near motors or sources of electrical noise.
2. Keep the receivers 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，请注意以下操作事项：

- 1、确保接收机安装在远离电机，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物质。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，避免造成不必要的损失。

Instructions

操作指引

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

准备操作完成后，您可以按照本章指引开始使用本产品。

Power On 开机

Follow the steps below to turn on the transmitter:

1. Check to make sure that that battery is fully charged and installed correctly.
2. Toggle the switch to the [ON] position. When active the R.LED will be lit.


3. Connect the receiver to power.

- For safety always power on the transmitter before the receiver.

请按照以下步骤进行开机:

- 1、检查系统状态，确保电池电量充足且安装正确。
 - 2、将电源开关拨到 [ON] 位置，R.LED 灯常亮。
 - 3、连接接收机电源。
- 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上电

 Note 警告	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。
--	--

 Note 警告	Make sure that the throttle trigger is at its neutral position and the switches are set to their proper position. 为了您的安全请将发射机开关和油门打到安全位置。
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LED Indicator LED 指示

1. R.LED: The red power indicator;
 2. G.LED: The green status indicator;
 3. RX.BATT: ESC battery power indicator.
- When the power is high, the RX.BATT LED will be solid on in green.
 - When the power is medium, the RX.BATT LED will be solid on in orange.
 - When the power is low, RX.BATT LED will be solid on in red.
 - When the power is ultra low, the RX.BATT LED will be flash slow in red.
 - When the receiver is not connected, "the RX.BATT LED will maintain the last indicated state.

- 1、R.LED: 红色电源指示灯;
- 2、G.LED: 绿色状态指示灯;
- 3、RX.BATT: 电调电池电量指示灯

- 电量高: 指示灯绿色常亮
- 电量中: 指示灯橙色常亮
- 电量低: 指示灯红色常亮
- 电量过低: 指示灯红色慢闪
- 接收机掉码: 指示灯保持最后的指示状态

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 enter bind mode. G.LED will start flashing quickly.
 - Once in bind mode release the bind button.
 2. The receiver will power on and wait for 1 second ,if without connection, it will enter the matching code automatically;
 3. Once the binding is successful, the receiver LED and the G.LED of the transmitter will be solid on.
- Note: When binding, put the transmitter into bind mode first, then the receiver. 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，请按照如下步骤进行对码：

- 1、将发射机按住对码按键（BIND）开机即进入对码状态，此时 G.LED 快闪，松开对码按键；

2、接收机上电等待 1 秒没有连接即自动进入对码状态;

3、对码成功后,接收机及发射机指示灯常亮;

注:对码时请先将发射机进入对码状态,再将接收机进入对码状态;若 10 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 and wheel.

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

1. Turn and hold the wheel as far clockwise as it will turn, hold the throttle all the way forward, then turn on the transmitter in calibration mode.

- The R.LED and G.LED will flash twice.
- The RX.BATT LED will be solid on in yellow.

2. Calibrate steering wheel: Turn the steering wheel to max and min travel point in clockwise and counter-clockwise.

- The R.LED will be off.
- The RX.BATT LED will be solid on in red.

3. Throttle trigger calibration: Push/pull the throttle trigger to forward/backward as far as it will go.

- When the calibration is completed, the G.LED will be off.
- The RX.BATT LED will be solid on in green.

4. Both steering wheel and throttle trigger have finished the calibration.

- The RX.BATT LED will be off.

5. Once the calibration is finished, press the BIND button to save and exit.

该功能可以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,如需要重新校准,请按照以下步骤执行。

1、同步将手轮顺时针打到最大、扳机往前推到底并开机,进入校准模式功能;

- R.LED 指示灯和 G.LED 指示灯二闪一灭
- RX.BATT 指示灯黄色常亮

2、方向手轮校准:将手轮顺时针和逆时针转到最大最小;

- R.LED 指示灯灭
- RX.BATT 指示灯红色常亮

3、油门扳机校准:将扳机向前向后推到最大和最小;

- G.LED 指示灯灭
- RX.BATT 指示灯绿色常亮

4、方向手轮油门扳机均校准通过;

- RX.BATT 指示灯灭

5、校准完成后按“BIND”键退出并保存数据。

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.

请按照以下步骤进行关机:

1、断开接收机电源;

2、将电源开关拨到 [OFF] 位置,使发射机关闭。

<p>Danger ⚠ 危险</p>	<p>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。</p>
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Channel Description 通道说明

The transmitter outputs a total of 4 channels, which are assigned as below, as well as the functions.

- CH1 : The assigned control is the steering wheel. CH1 controls the steering to enable a car to turn left or right.
- CH2 : The control is the throttle trigger. CH2 controls the throttle to enable a car to move forward or backward.
- CH3 : The control is the CH3 three-position switch. Users can customize the channel function. For example, function as a fast /slow-position servo channel.
- CH4 : The control is the CH4 button switch. Users can customize the channel function. For example, control the car lights (short-press to switch the car light mode), and switch the drive control/four-wheel steering function.

该发射机共输出 4 个通道，控件分配和相应功能如下：

- CH1 通道：控件为方向手轮，功能为方向，控制车子左右转向。
- CH2 通道：控件为油门扳机，功能为油门，控制车子前后行驶。
- CH3 通道：控件为 CH3 三档开关，可自定义通道功能，如可作为快慢档舵机通道。
- CH4 通道：控件为 CH4 按键开关，可自定义通道功能，如可控制车灯（短按切换车灯工作模式）、可切换驱动控制 / 四轮转向功能。

Channel Reverse 通道反向

This function is used to adjust the action direction of the servo or motor

The ST.REV / TH.REV switches are the reverse buttons for CH1 and CH2. If the switch is up it indicates reverse, and the down indicates normal.

该功能用于调整通道的动作方向。

旋钮 ST.REV/TH.REV 分别为 CH1、CH2 通道反向按键，开关上拨表示反向，下拨表示正常。

Trims 微调

The ST.TRIM switch is used to adjust the trim for CH1 (steering), and can also adjust the trim for CH3 as multiplexing mode. The TH.TRIM switch is used to adjust the trim for CH2(throttle), and can also adjust the trim for CH4.

Refer to [Mode Switching] for multiplexing switching mode.

ST.TRIM/TH.TRIM: Counterclockwise adjustment to increase the trim value. The maximum value is 120us.

ST.TRIM/TH.TRIM: Clockwise adjustment to decrease the trim value. The minimum value is -120us.

Note: After the throttle trim is changed, the receiver needs to be re-powered on to recognize the new throttle neutral. Otherwise, an exception may occur during vehicle reversing.

ST.TRIM 为 CH1 方向微调，可复用为 CH3 通道微调；

TH.TRIM 为 CH2 油门微调，可复用为 CH4 通道微调；

以上具体复用切换方式见 [模式切换]。

调节范围：-120us ~ +120us；

ST.TRIM/TH.TRIM：逆时针调节，增大微调值，最大为 120us；

ST.TRIM/TH.TRIM：顺时针调节，减少微调值，最小为 -120us。

注：CH2 油门微调调整后，接收机须重新通电以识别新的油门中位，否则可能会出现倒车异常的现象。

D/R 舵量调节

The ST. D/R switch is used to adjust the servo travel amount CH1(Steering Trim), and can also adjust the

travel amount for CH3 as multiplexing mode.

The TH.D/R switch is used to adjust the servo travel amount for CH2(Throttle), and can also adjust the travel amount for CH4 as multiplexing mode.

Refer to [Mode Switching] for multiplexing switching mode.

Adjustment range: 0-120%;

ST.D/R: Counterclockwise adjustment to increase the servo travel amount. The maximum value is 120%.

ST.D/R: Clockwise adjustment to decrease the servo amount. The minimum value is 0%.

TH.D/R: Counterclockwise adjustment to increase the servo amount. The maximum value is 120%.

TH.D/R: Clockwise adjustment to decrease the servo amount. The minimum value is 0%.

ST.D/R 为 CH1 方向舵量调节, 可复用为 CH3 舵量调节;

TH.D/R 为 CH2 油门舵量调节, 可复用为 CH4 舵量调节;

调节范围: 0 ~ 120%;

ST.D/R: 逆时针调节, 增加舵量, 最大为 120%;

ST.D/R: 顺时针调节, 减小舵量最小为 0%。

TH.D/R: 逆时针调节, 增加舵量, 最大为 120%;

TH.D/R: 顺时针调节, 减小舵量最小为 0%。

Mode switching 模式切换

This function is for reusing the ST.TRIM and ST.D / R buttons for different channels setting:

Under normal power-on condition, press the BIND button twice (within 1S) to switch between mode 1 and mode 2. By default, mode 1 is used.

Mode 1: R.LED is always on. G.LED is off. ST.TRIM is for CH1 trim. ST.D/R is for CH1 servo adjustment.

TH.TRIM is for CH2 throttle trim. TH.D/R is for CH2 throttle servo adjustment.

Mode 2: R.LED and G.LED are flashing alternately. ST.TRIM is for CH3 trim. ST.D/R is for CH3 servo adjustment. TH.TRIM is for CH4 trim. TH.D/R is for CH4 servo adjustment.

此功能用于将 ST.TRIM 及 ST.D/R 旋钮复用于 CH3、CH4 通道 (详见 [微调]、[舵量调节])。

功能设置: 正常开机状态下快速短按两下对码按键 (BIND) (1 秒内) 即可循环切换模式一、二, 开机默认为模式一。

模式一: R.LED 指示灯常亮, G.LED 指示灯不亮, ST.TRIM 调节 CH1 微调, ST.D/R 调节 CH1 舵量;

TH.TRIM 调节 CH2 油门微调, TH.D/R 调节 CH2 油门舵量;

模式二: R.LED 指示灯和 G.LED 指示灯交替闪烁, ST.TRIM 调节 CH3 微调, ST.D/R 调节 CH3 舵量;

TH.TRIM 调节 CH4 微调, TH.D/R 调节 CH4 舵量。

Failsafe 失控保护

The failsafe function is used to protect the model and personnel when the receiver is out-of-control. The failsafe for CH2 is enabled by default, the ESC will enter the brake state when the receiver is out-of-control. By default, the failsafe for CH1, CH3 and CH4 channels have not set, and can be set at the transmitter side, and these three channels will maintain the last output in case of out-of-control.

Setup: In the normal power-on state, set the control corresponding to the channel to be configured with failsafe to the preset position, meanwhile, press and hold the BIND button for 3 seconds to set the output value as the failsafe value. And if the G.LED flashes for 2 seconds, it indicates that the setting is successful. Then the failsafe value set will output in case of out-of-control.

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。

接收机 CH2 通道默认开启失控保护, 失控后电调进入刹车模式; 而 CH1 通道、CH3 通道和 CH4 通道, 可在发射机端设置相应的失控保护值。默认未设置, 未设置时 PWM 接口保持最后输出。

功能设置: 发射机开机正常通信状态下, 将需要设置的通道保持在需要设定的失控保护值位置保持不动, 同

时长按对码键 (BIND) 3 秒, G.LED 指示灯闪烁 2 秒表示设置成功, 即当接收机无法接收信号后, 将按照设定的失控值输出。

Beginner Mode 初学者模式

Beginner mode is designed for people new to the hobby.

In this mode the throttle channel has been limited to output 50 percent, the channel range defaults has been set to 1250~1500~1750us. By default, the mode is normal mode.

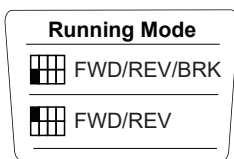
Setup: To switch between beginner mode and normal mode, press and hold the CH4 button while turning the steering wheel completely counterclockwise as far as it can, and at the same time, power on the transmitter. When the G.LED works in two-flash-one-off mode for 3 seconds, then the beginner mode has switched. In case of the G.LED is off, the normal mode is switched.

此初学者模式比较适合入门级玩家, 通过对油门幅度的控制来提高操作的安全性。

初学者模式油门输出仅为 50%, 即 CH2 通道范围默认为 1250~1500~1750us。出厂默认为正常模式。

功能设置: 切换初学者模式和正常模式: 按住 CH4 按键, 同时将方向手轮逆时针打到底, 并开机, 当 G.LED 指示灯二闪一灭持续 3 秒时, 表明切换到初学者模式; 正常模式时, G.LED 指示灯灭。

Running Mode Parameters Setting 参数设置



Toggle Switch Sign 拨码开关标识

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

There are one parameters can be set for the TX, which are "Running Mode". There are slide switches numbered 1, 2, 3, 4 on the transmitter panel. The above parameters can be set by toggling up and down.

Running Mode

FWD/REV/BRK(Forward/Reverse/Brake): This mode adopts "double click" reverse mode, that is, when the throttle trigger is pushed from natural 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 natural range and pushed to the reverse area for the second time, it will reverse. This mode is applicable to general models.

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

Setup: Toggle the No. 1 slide switch to the down, then the running mode is set to FWD / REV / BRK. Toggle the No. 1 slide switch to the up, then the running mode is set to FWD/REV.

发射机上的拨码开关用于设置运行参数, 即拨码开关位于不同位置对应参数值不同。

该发射有一个参数项可以设置, 那就是“运行模式 (Running Mode)”。发射机面板上有一列编号为 1 2 3 4 的拨码开关, 通过上下拨动可以实现对上述参数项的设置。

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种车辆。

功能设置: 将发射机面板上编号为 1 的拨码开关拨至下, 运行模式即设置为前进后退带刹车 (FWD/REV/BRK)。将发射机面板上编号为 1 的拨码开关拨至上, 运行模式即设置为直接正反转 (FWD/REV)。

Function Instructions

功能说明

Attentions 注意事项

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 can result out of control. Unreasonable setting of the Failsafe may cause accidents.
- 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 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.
- If the throttle trim is changed on the transmitter side, the receiver needs to be re-powered to recognize the new throttle neutral. Otherwise, an exception may occur during vehicle reversing.
- 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, 然后关闭发射机。如果关闭发射机电源时接收机仍然在工作, 将导致遥控设备失控。失控保护设置不合理可能引起事故。
- 用完后, 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, 请勿连接接收机电源, 避免造成不必要的损失。
- 若在发射机端调整油门微调后, 接收机须重新通电以识别新的油门中位, 否则可能会出现倒车异常的现象。

Protect Function 保护功能

The receiver supports low voltage protection and high voltage protection function.

- Low Voltage Protection: When the receiver enters the low voltage protection state in case of detecting low voltage, CH2 motor channel has no output. CH1, CH3 and CH4 output normally, and all the lights flash slowly for prompt.
- High Voltage Protection: When the receiver enters the high voltage protection state, all channels have no output. All car lights flash quickly for prompt. The receiver supports the overheating protection and the blocking protection function.
- Overheating Protection: The receiver will enter the overheating protection state in case of the high internal temperature of the ESC, the CH2 motor channel won't output, but the other channels will output normally. All car lights flash quickly for prompt. The CH2 motor channel will output normally when the temperature is normal.
- Blocking Protection: When the external motor is blocked, it enters the blocking protection state, to protect the ESC and the motor. The CH2 motor channel won't output, but the other channels will output normally. The CH2 motor channel will output normally when there is no blocking.

本接收机具有电池电压过低和过高保护功能。

- 电压过低保护：当检测到电池电压过低时，CH2 马达通道无输出，CH1 通道、CH3 通道、CH4 通道正常输出，所有车灯慢闪提示。
- 电压过高保护：当检测到电池电压过高时，所有通道无输出，所有车灯快闪提示。

本接收机电调具有过热保护和堵转保护功能。

- 过热保护：当检测到整机温度过高时，CH2 马达通道无输出，CH1 通道、CH3 通道、CH4 通道正常输出，所有车灯快闪提示；当温度正常后，CH2 马达通道恢复输出。
- 堵转保护：当外部马达堵转时，进入堵转保护状态，用于保护电调和马达，CH2 马达通道无输出，CH1 通道、CH3 通道、CH4 通道正常输出；待无堵转时，CH2 马达通道恢复正常输出。

Failsafe 失控保护

The failsafe function is used to protect the model and personnel when the receiver is out-of-control. Refer to [Failsafe] for details.

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。

功能设置参考 [失控保护]。

Charging the Battery 电池充电

Car Battery: 2S LiPo 7.4V 900mAh

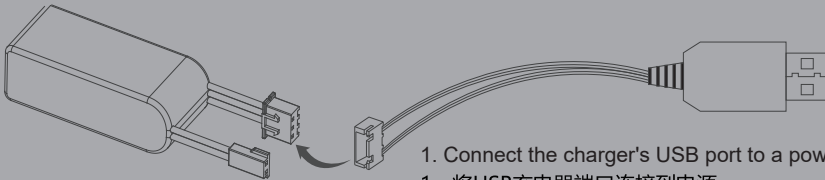
Charger: USB balance charger, charging time 30-45 minutes.

1. Connect the USB port of the balance charger to a power source, and then connect the battery to the balance charger to start charging
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.

车用电池：2S LiPo 7.4V 900mAh。充电器：

USB平衡充，充电时长30-45min。

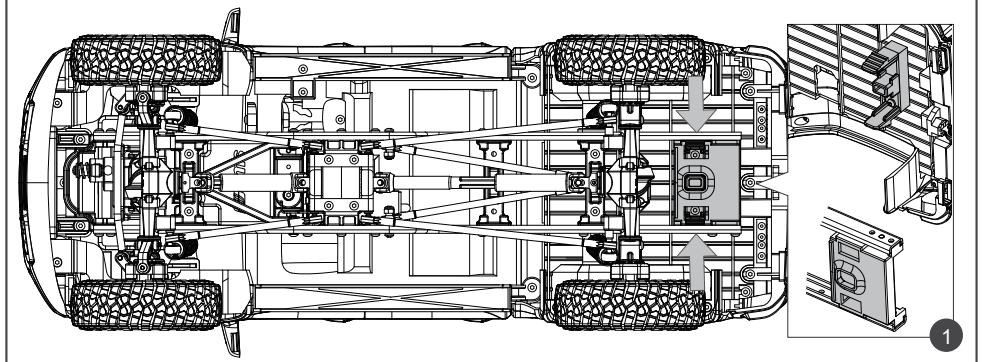
- 1、将平衡充USB端口连接至电源，然后将电池连接至平衡充，充电开始。
- 2、充电时，LED灯状态为红色；充电完成时，LED灯状态为绿色。
- 3、请勿在无人看管的情况下进行充电！
- 4、如果发现电池或充电器过热，请立即断开电池和充电器，因为这可能是由内部短路引起的。

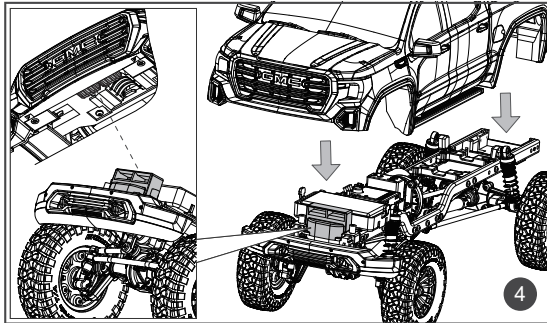
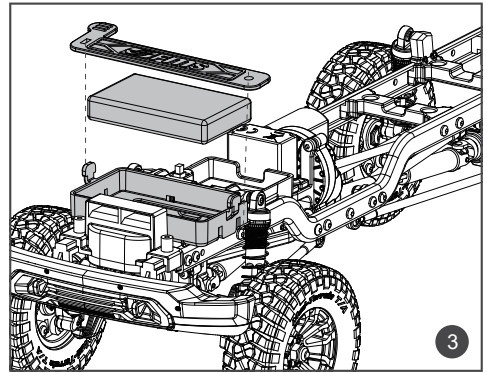
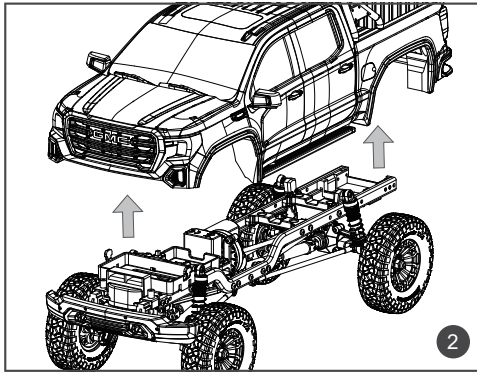


2. Connect the battery to the charger.
- 2、将电池连接到充电器上。

1. Connect the charger's USB port to a power source.
- 1、将USB充电器端口连接到电源。

Connecting the battery 连接电池





The battery plug : 51005 2P Male
Battery compartment size: 43 x 19.8 x 12mm

电池插头：51005 2P 公头
电池仓尺寸：43 x 19.8 x 12mm

Step 1. With the bottom of the vehicle facing up, release the two buckles (opened inward) at rear shell indicated by the arrows to separate the rear car shell from the chassis. Remove the shell by pushing it forward and up.

Step 2. Place the battery in the battery compartment on the frame and fix it with the attached silicone tape. Connect the battery plug to the female end of receiver/ESC (2-in-1) unit.

Step 3. Snap the tab at the front end of car shell as shown. And then lock the two buckles at rear to fix the car shell in place.

Caution: Do not crush or damage the wiring when attaching the car shell to the chassis.

步骤1、如图1所示，翻转模型车使之底部朝上，将箭头所示的车尾的两个卡扣分别向内掰打开，分离后车壳与车架；再将车壳向前向上方推开，以移除车壳。

步骤2、如图3所示，在电池仓位置放入电池，并使用所附硅胶胶带固定；连接电池插头至接收机/电调二合一装置的母头。

步骤3、如图4所示，卡住车壳前端的拉片，再锁紧后端的两个卡扣，将车壳固定至车架。

注意：固锁车壳时切勿挤压电线。



1. Please remove the battery immediately after use (allow time for the battery to cool down) and do not store the battery inside the model product for an extended period.
 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、请在使用后立即取出电池（需等待电池降温），不可将电池长时间存放在模型产品内。
 - 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。

Decal Application

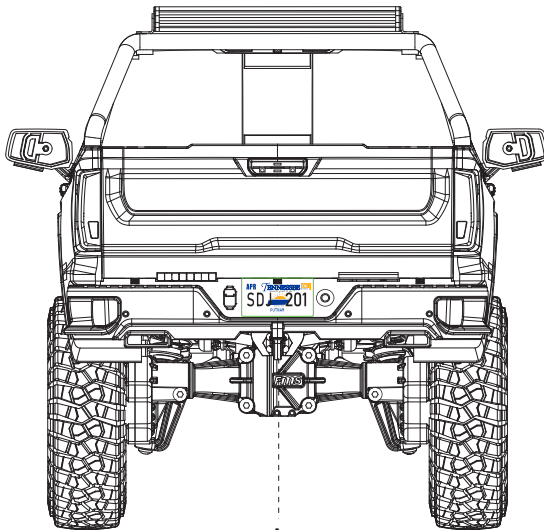
贴纸应用

Please choose one set of the decals according to your personal preferences and paste it as shown (for reference only).

请依据个人偏好，在以下贴纸中选出一套，粘贴至车身相应位置。（贴纸涂装仅供参考，玩家可自行DIY）



A

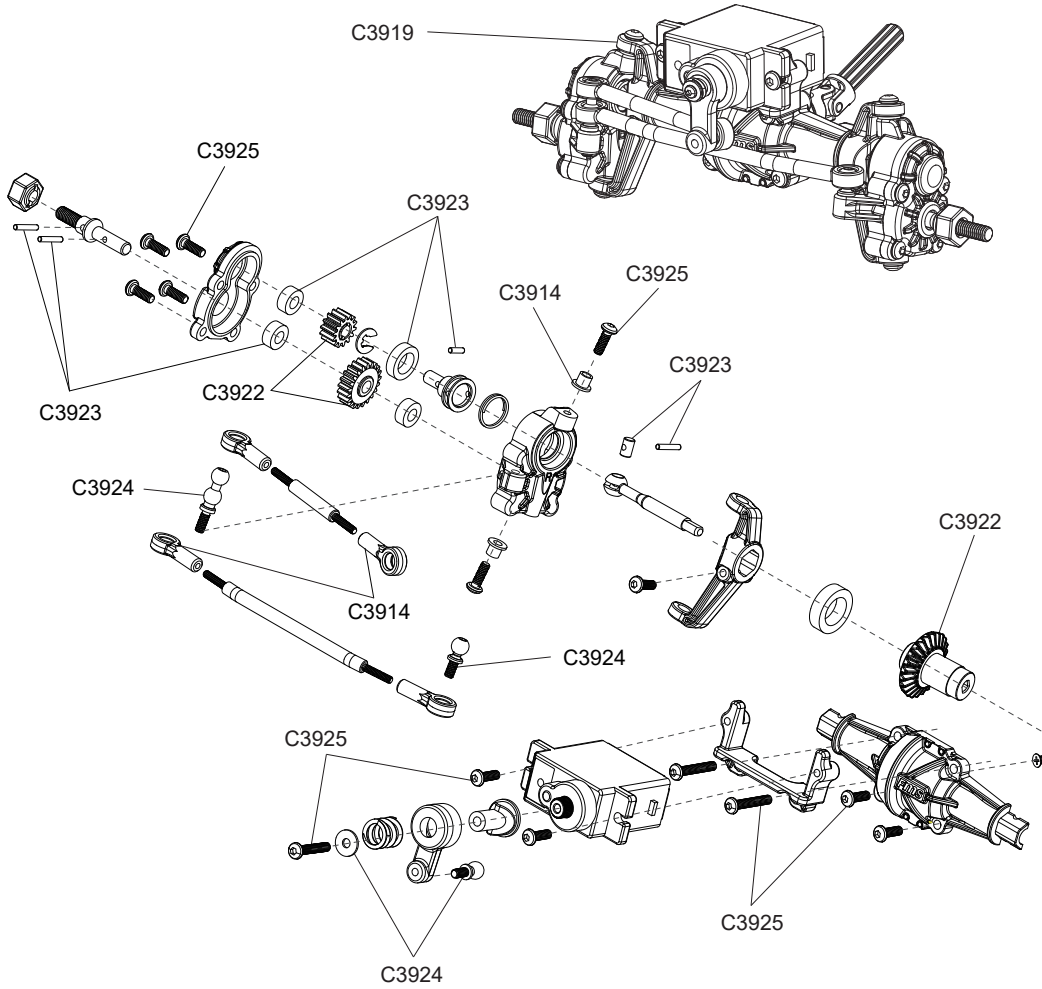


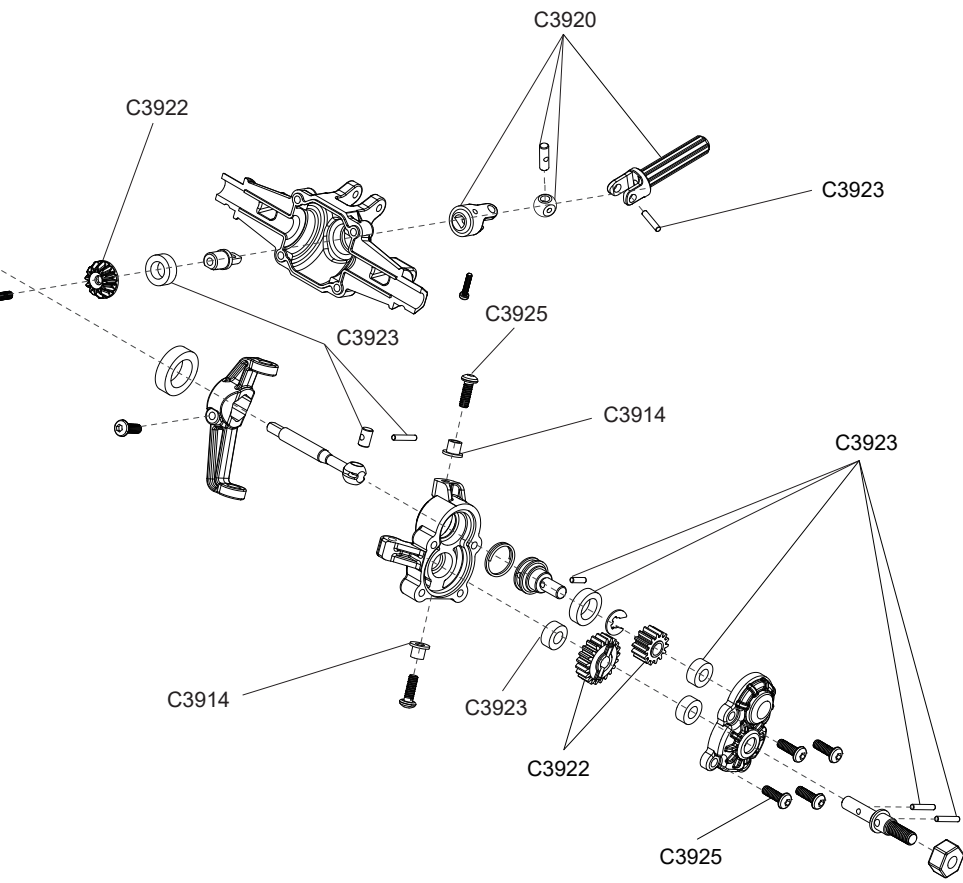
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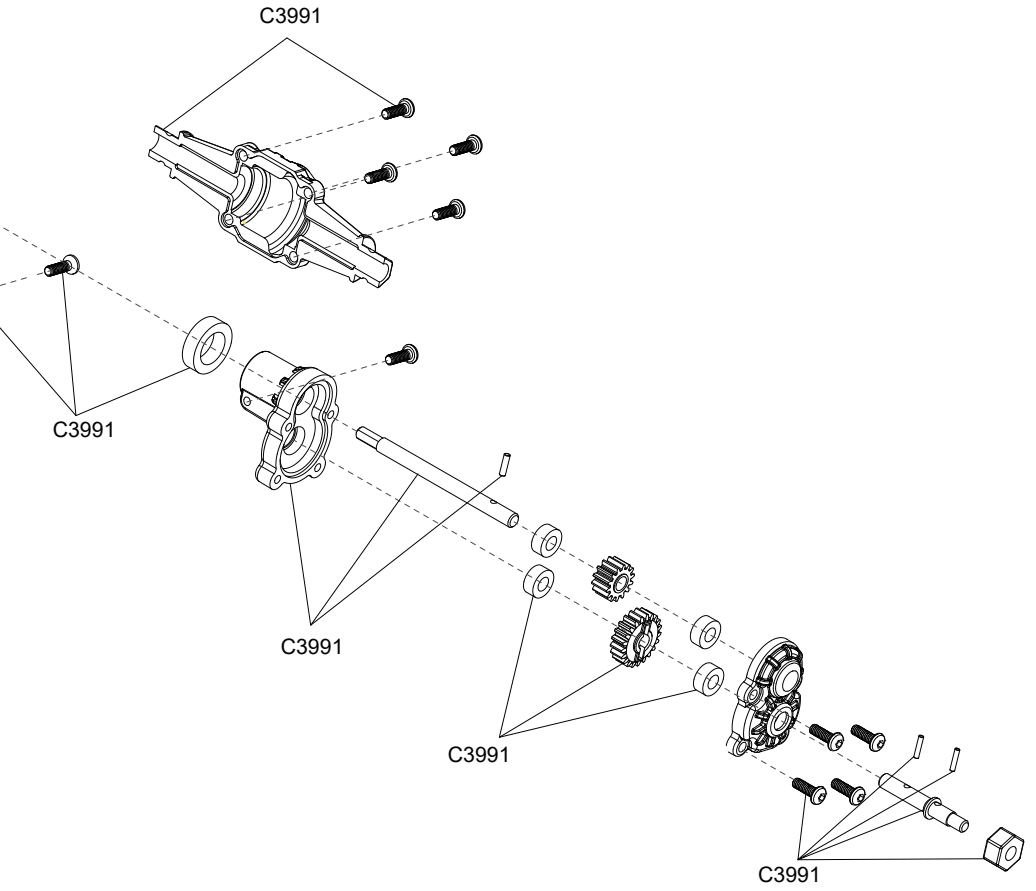
Spare Parts List

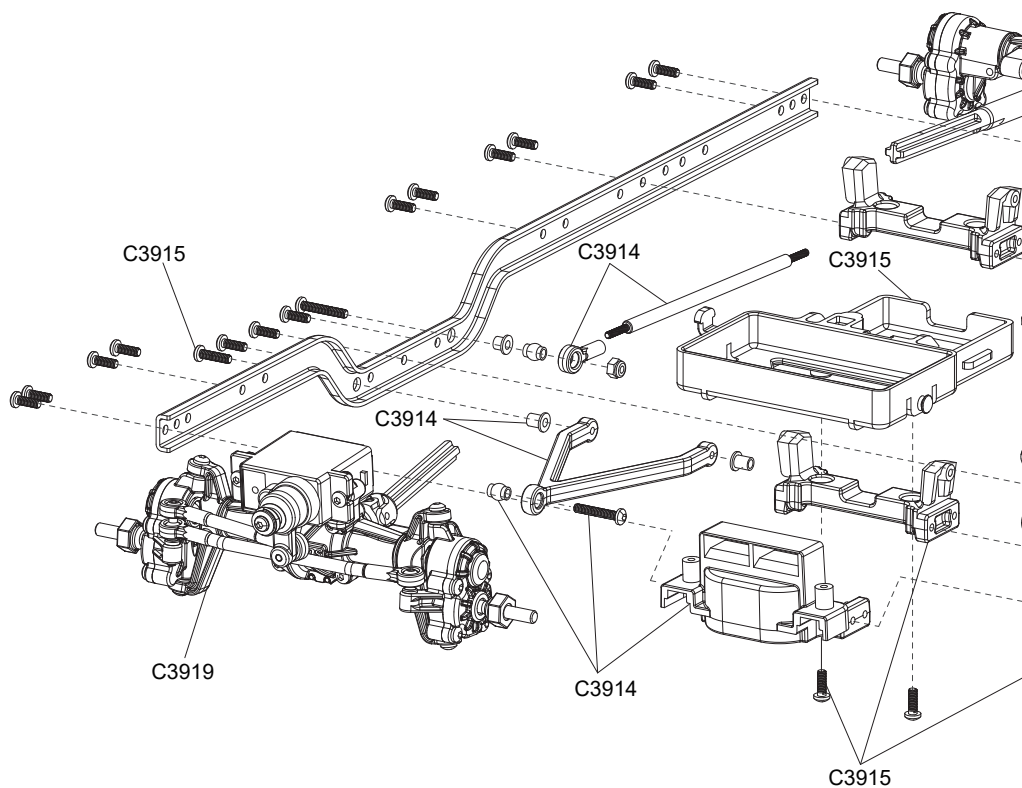
配件列表

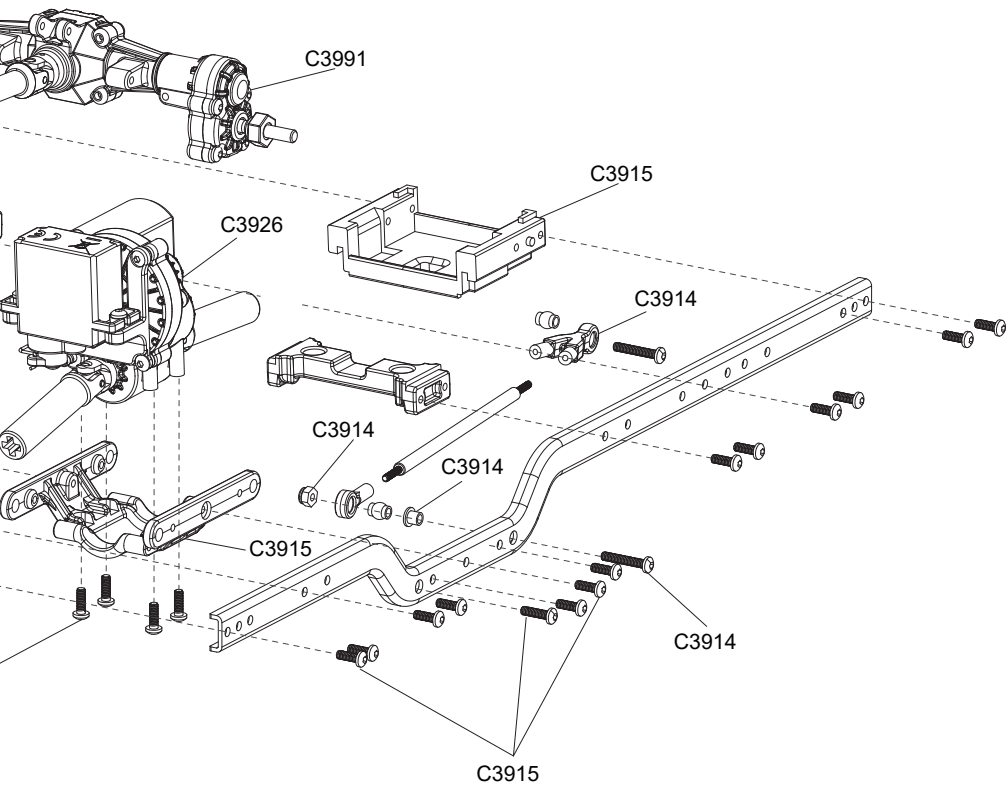
C3904	Car Body Assembly With Painted White	车壳总成(白色)
C3905	Body Mount Set	车壳快拆固定件
C3906	Decorative Parts	装饰件
C3907	Accessory Set	心情件
C3908	Bumper Set	前后防撞
C3909	Cockpit Assembly	驾舱总成
C3910	Hood And Rear Door	车头盖+后尾门
C2259	Lipo Battery 2s 7.4v 900mah	电池7.4V 2S 900mAh
C3911	1312 Brushless Motor	1312 无刷电机
C3035DB	Steering Servo (Dupon Connector)	转向舵机 杜邦插头
C3036DB	Variable Speed Servo (Dupon Connector)	换挡舵机 杜邦插头
C2267	Usb 2s Lipo Quick Charger Cable	USB 平衡充电器 7.4V 2000mA
C4047	R4P2 Receiver BS FOR 11853	R4P2 接收器 BS 11853专用
C4046	MG44 + R4P2 Transmitter Receiver Set Bs Version for 11853	MG44+R4P2C电调接收器 BS 11853专用
C3927B	DB03-B Mini Light System Control	DB03-B MINI 灯控
C3913	Light Wire Set	灯线组
C3926	Transmission Gear Box Assembly	驱动牙箱总成
C3914	Rod Set	连杆组
C3915	Chassis Bracket	大梁连接件
C3916	Oil Shock Absorbers Assembly (2pcs)	避震器总成 2PCS
C3917	Tires	轮胎
C3918	Wheel Hub	轮毂
C3919	Front Axle Assembly	前桥套装总成
C3991	Rear Axle Assembly	后桥套装总成
C3920	Universal Joint Drive Shaft	传动轴
C3921	Gear Set For Transmission Gear Box	变速箱齿轮包
C3922	Gear Set For Front/rear	直桥齿轮包
C3030S	Pinion Gear	电机齿
C3923	Pin And Bearing Set	轴针及轴承
C3924	Ball Head And Washer Set	波球及垫片
C3925	Screw Set	螺丝包
C3931	Spot Light	防滚架射灯
C3933	Rhino Horn Style Front Bumper	犀牛角风格前防撞
C3934	1500 Exhaustion Plate	1500 前格栅

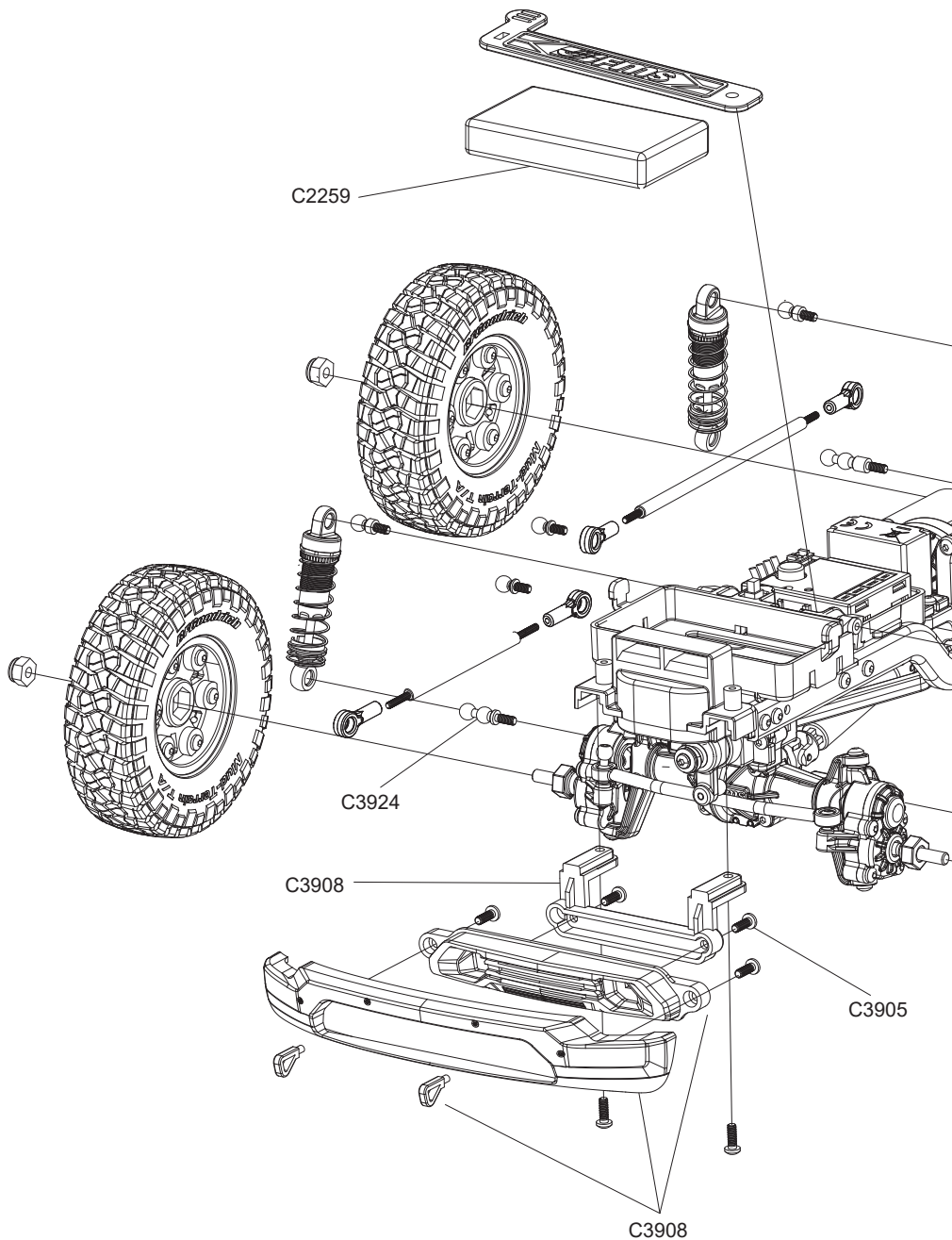


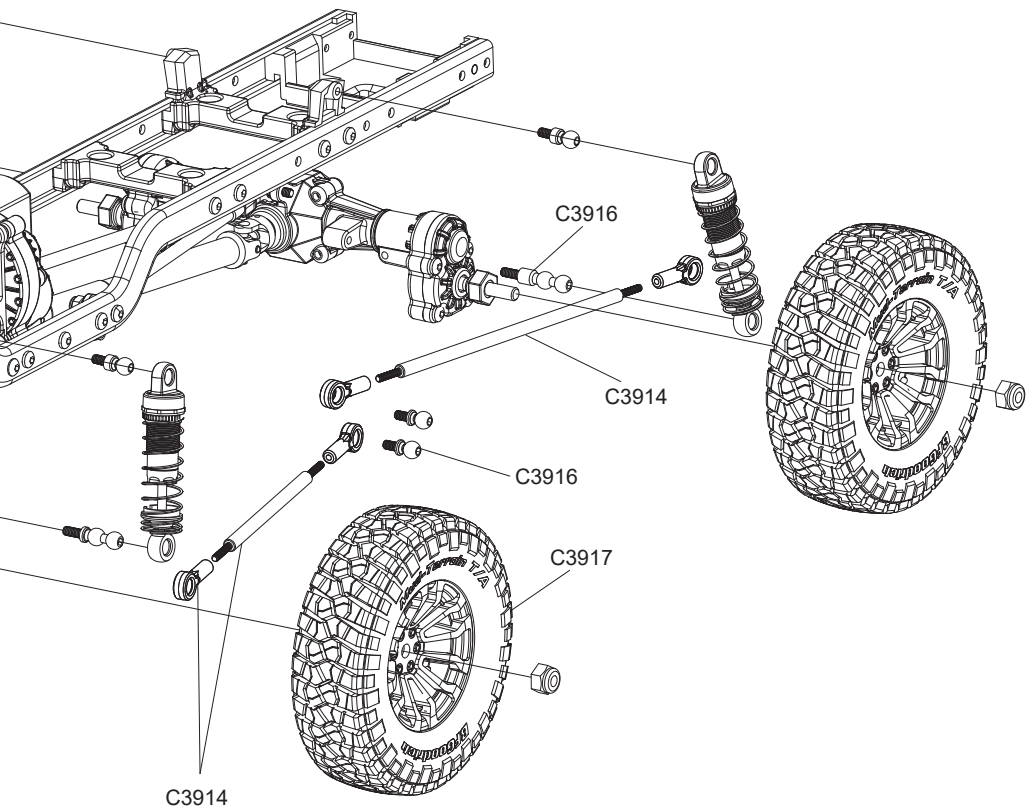


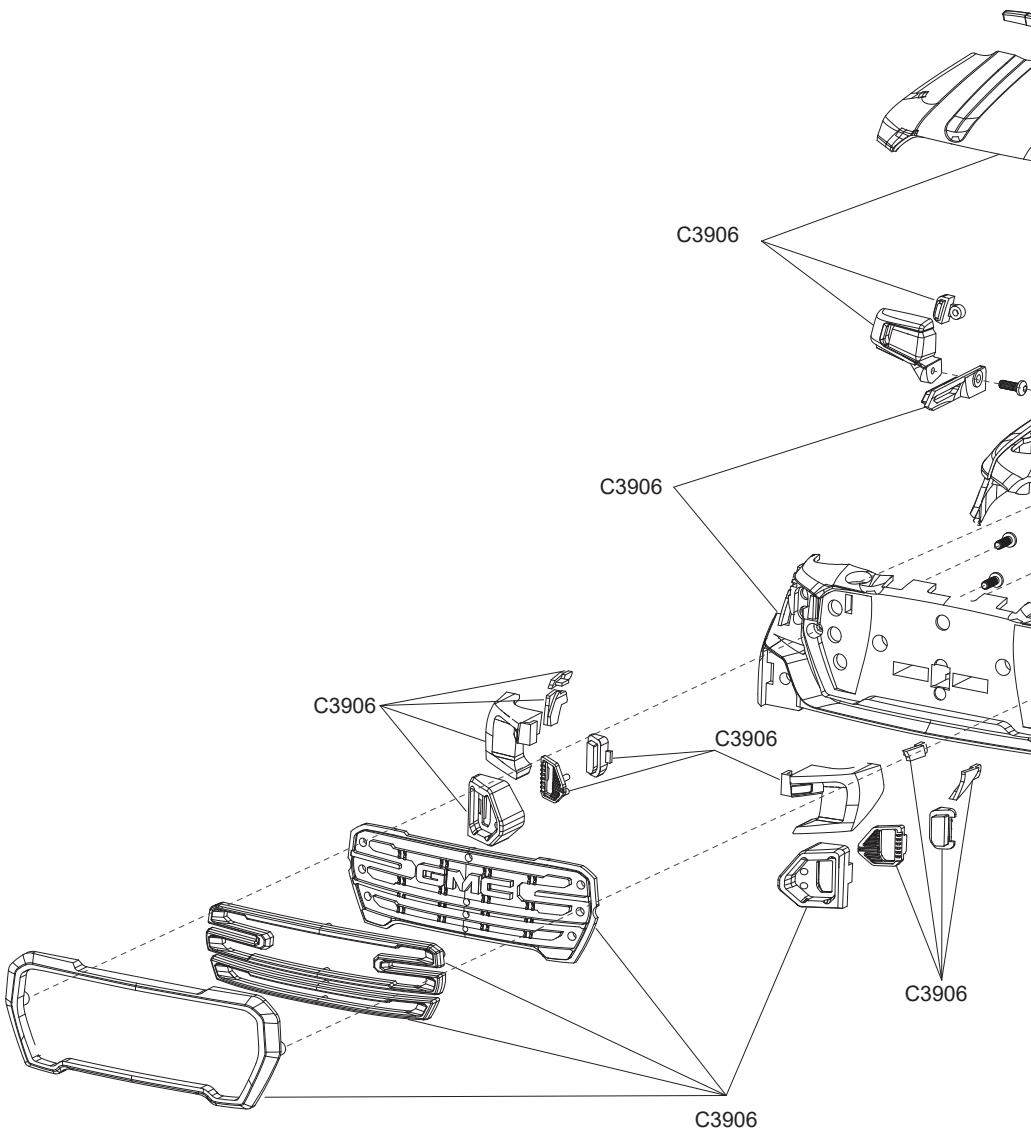


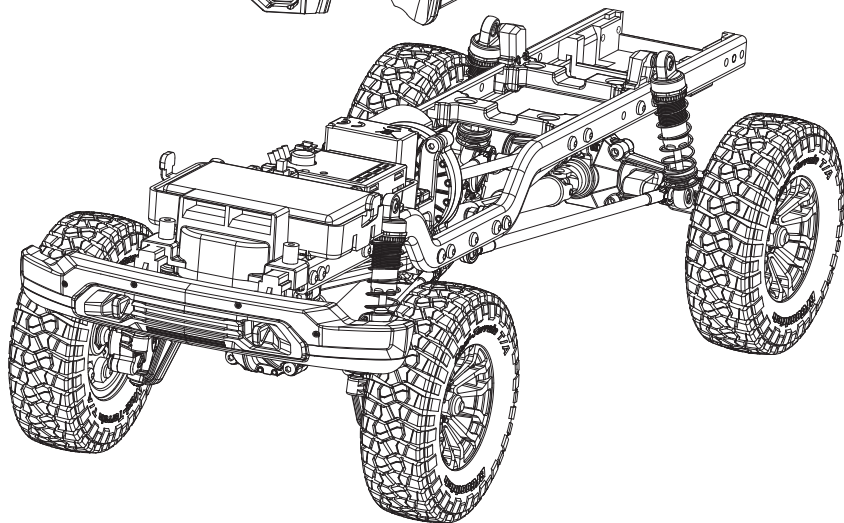
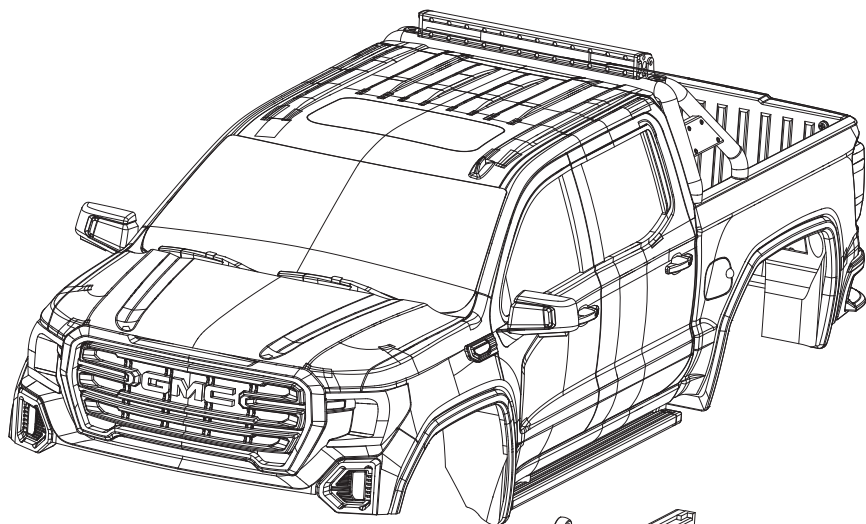














MADE IN CHINA