

BSD-RACING

*1/8 4WD ELECTRIC-POWERED
BRUSHLESS MONSTER TRUCK
MODEL NO : BS810T*



*Product Size:
Length: 550mm
Width: 450mm
Height: 245mm
Wheelbase: 366mm
Tires size: 165*85mm
Ground clearance: 60mm
Motor: KV 2300
ESC: WATER PROOF 80A*

Instruction Manual

Highlights:

- 4 Wheel Drive System
- Ready Assemble Ready to Run
- High Performance KV: 2300 Type Brushless Motor, More Power!
- Brushless ESC Waterproof 80A
- Twin 4S Li-Po battery
- Twin 9Kg Waterproof Servo (Metal Gear)
- Tough Oil-Filled Gear Differentials
- Adjustable Front And Rear Suspension Arms
- Silicone Oil-Filled Big Bore Shocks With Threaded Bodies
- Full Set Of Rubber-Sealed Ball Bearings
- Fit Any 17MM Hex Wheel
- Beval Pinion Diff Gears For Extra Durability
- Front Universal Dogbones, Scale Off-Road Wheels
- 2.4G Radio System (Waterproof Receiver)

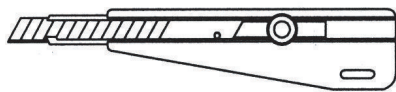
⚠ SAFETY PRECAUTIONS

- This radio controlled racing vehicle is not a toy!
- This high-performance R/C vehicle is recommended for ages 14 and older.
- First-time builders should seek the advice of experienced modellers before commencing assembly.
- Take enough safety precautions prior to operating this vehicle.
You are responsible for this R/C vehicle's assembly and safe operation!

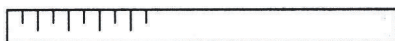
www.bsdracing.com

Required equipment for operation

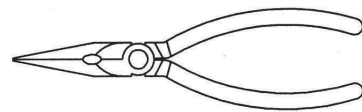
1. Tools required for building and maintenance:



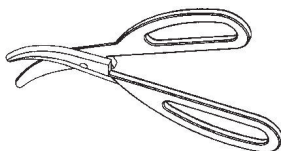
● Hobby knife



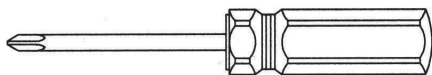
● Precision ruler



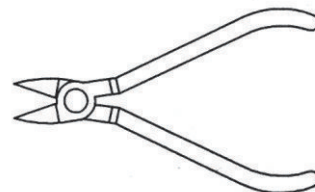
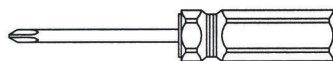
● Needle nose pliers



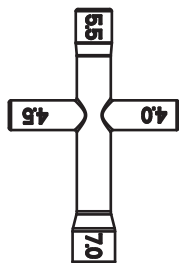
● Lexan scissors



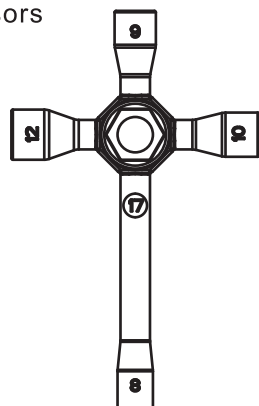
● Flat and Philips screwdriver



● Wire cutters



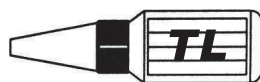
● Cross wrench



● Cross wrench



● CA glue & rubber cement



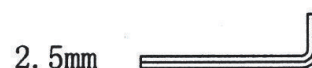
● Thread locking compound



1.5mm



2.0mm



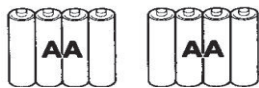
2.5mm

● Hex wrench

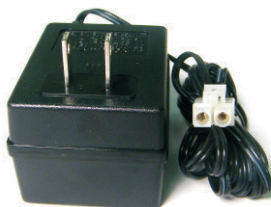
WARNING!

Do not use a power screw driver to install screws into nylon or plastic materials. The fast locking may heat up the screws being installed that may break the molded parts or strip the threads during installation.

2. Additional items needed for operation:



8pcs AA alkaline batteries for transmitter



B7004C-D2
Battery charger

IMPORTANT!

Check all the screws are tight before playing the vehicle!
Use thread lock on all screws that work loose.

Please read the instruction carefully before starting the assembly.

1. Please assemble and install this car without children's reach. As it includes small and sharp parts.
2. Do not run the car on public streets or highways. As it might cause serious accidents, personal injuries and property damage etc.
3. During the middle of racing and after operation, the engine and exhaust will become HOT. Therefore please do not touch them before cooling down.
4. Please make sure everyone is using different frequencies while racing the car in the same area.

2.4GHz radio instructions

Special symbols

Please pay attention to the following symbols, and read them carefully.



Danger: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.



Warning: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger.



Attention: If the operator does not operate according to the instructions, it may lead to serious injuries, even mortal danger. but generally it will not cause serious injuries to the operator.

Safety guidelines

Don't drive the truck at night, bad weather such as rainy or thundering days. It will interfere the transmitter signal. Thereby it will cause out of control and unexpected accident.

Before you drive, please make sure the movement of servo corresponds with the direction of joysticks. If inconsistent, please adjust before drive.

You need to turn the throttle channel(ch2) and inching switch to the lowest before use. Then switch on the transmitter power, finally connect the receiver.

The sequence to shutdown is to turn off the receiver power first, and then the transmitter power.

If the above operations are reversed, it might lead to out of control and cause accident.

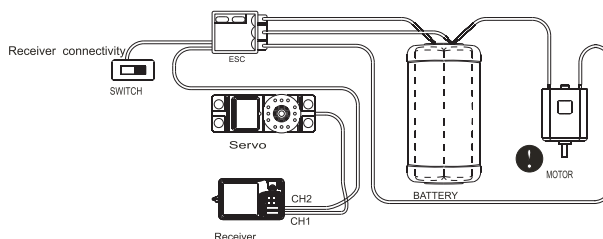
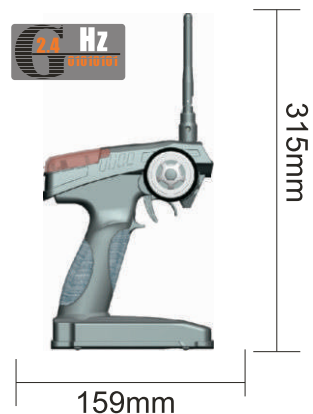
Battery charging



If your transmitter, receiver use a nickel-cadmium, nickel-metal hydride rechargeable battery, you have to check it before use. If lack of electricity, it could cause inadequate control or out of control, resulting in accident. So please charge it immediately when the battery power is low.

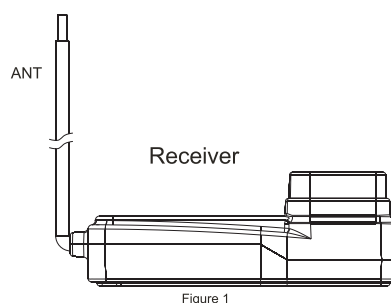
Transmitter Specifications :

Channels: 2 channels
 Model Type: Car/boat
 RF Power: Less than 20dbm
 Modulation: GFSK
 Code Type: Digital
 Sensitivity: 1024
 Low Voltage Warning: Yes (less than 9V)
 DSC Port: Yes (3.5mm)
 Charger Port: Yes
 Power: 12vdc (1.5AA*8)
 Weight: 328g
 ANT Length: 26mm
 Size: 159*99*315mm
 Color: Black
 Certificate: CE FCC



Note:

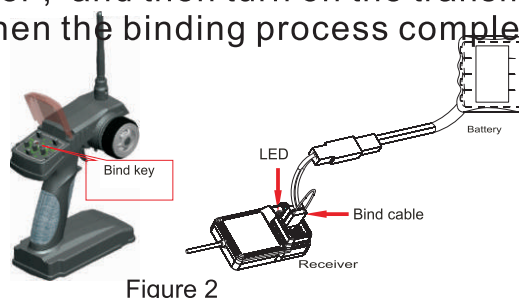
Place the antenna of the receiver vertically, and do not have contact with metal component. (See Figure1)



Binding:

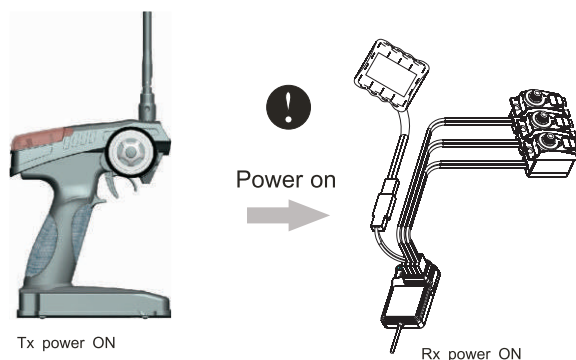
The transmitter and receiver should already be bound by the factory by default .

1. Install batteries into the transmitter and shut it down.
2. Insert the bind cable on to the bind channel (Ch3) on the receiver. (Figure.2)
3. Connect the receiver battery to the VCC port on the receiver .The two LEDs on the receiver should flash rapidly, indicating the receiver is in binding state .
4. Press and hold the bind button on the transmitter , and then turn on the transmitter.
5. The LED on the receiver should stop flashing when the binding process completed (about 5 second)
6. Release the bind button on the transmitter , remove the bind cable from the receiver.
7. Install the servo and then test.
8. If the test succeeds , then remove the power supply from the VCC port.
9. The binding process completed.



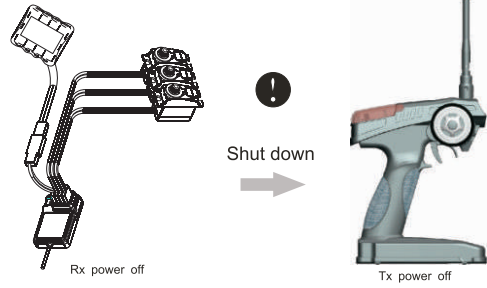
Turn On:

1. Turn on the transmitter.
2. Connect the power supply of the receiver.
3. Receiver LED light should turn solid.
4. Ready to use.

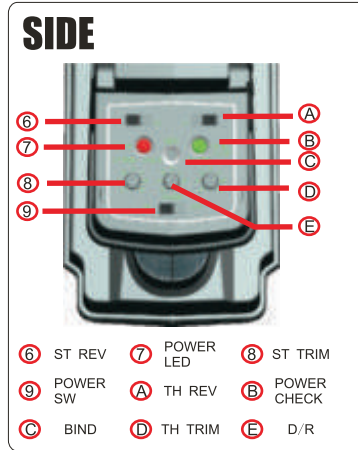
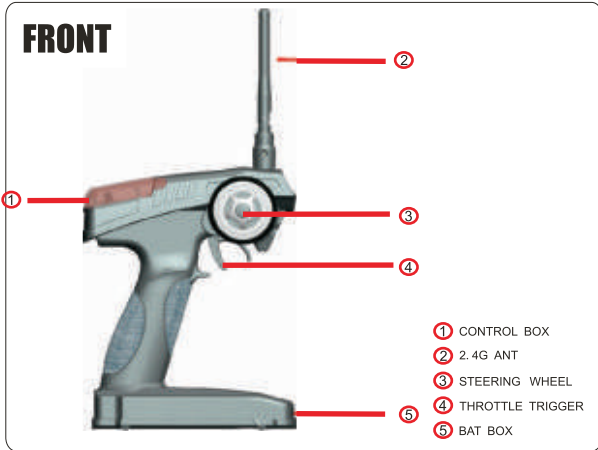


Shut Down:

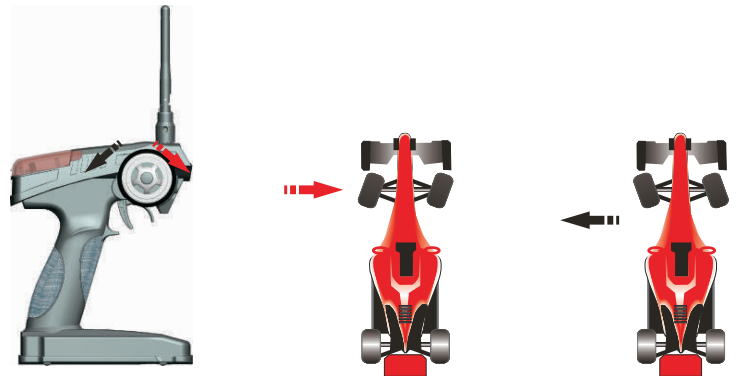
1. Disconnect the receiver's power supply.
2. Turn off the transmitter .



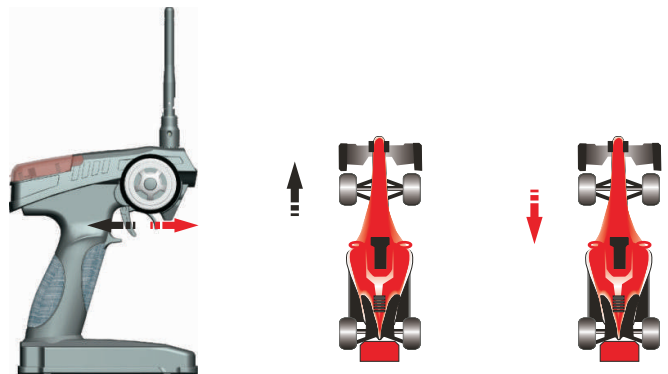
Transmitter Functions:

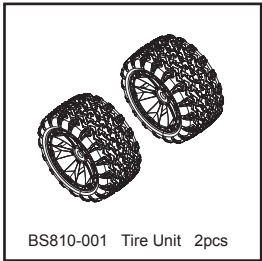


This function is to control the direction of the vehicle

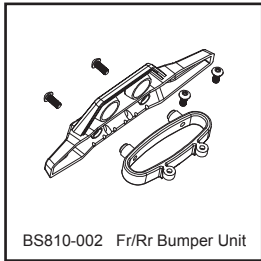


This function is to control the throttle speed of the vehicle

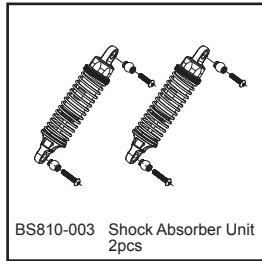




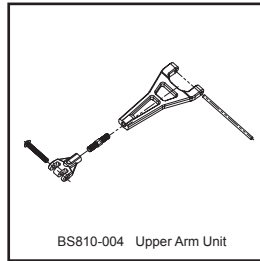
BS810-001 Tire Unit 2pcs



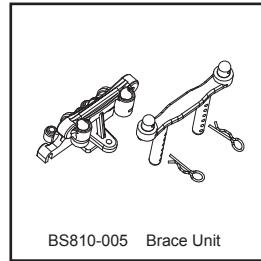
BS810-002 Fr/Rr Bumper Unit



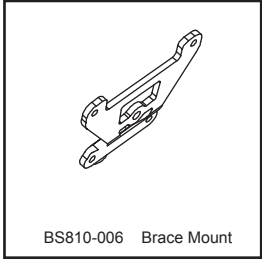
BS810-003 Shock Absorber Unit 2pcs



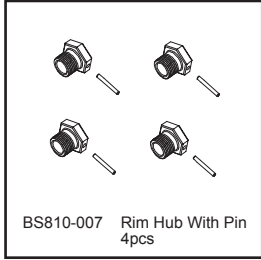
BS810-004 Upper Arm Unit



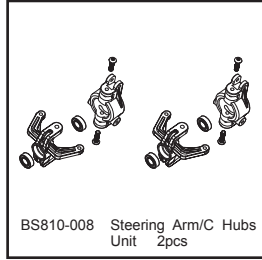
BS810-005 Brace Unit



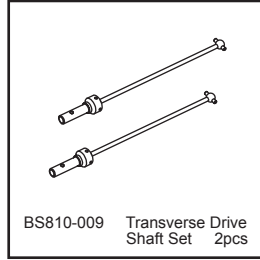
BS810-006 Brace Mount



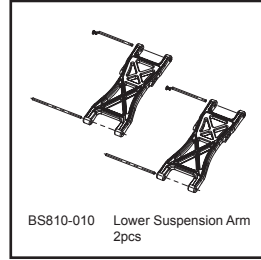
BS810-007 Rim Hub With Pin 4pcs



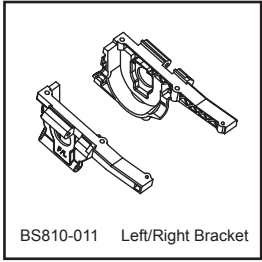
BS810-008 Steering Arm/C Hubs Unit 2pcs



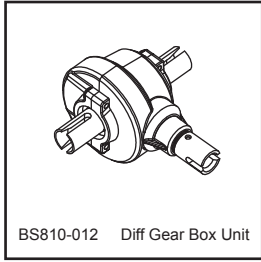
BS810-009 Transverse Drive Shaft Set 2pcs



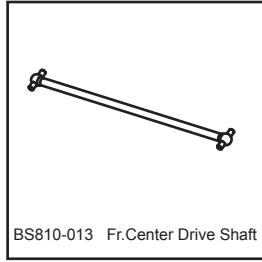
BS810-010 Lower Suspension Arm 2pcs



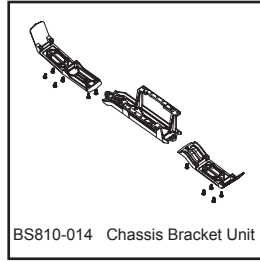
BS810-011 Left/Right Bracket



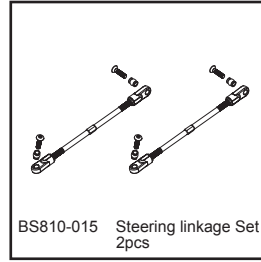
BS810-012 Diff Gear Box Unit



BS810-013 Fr.Center Drive Shaft



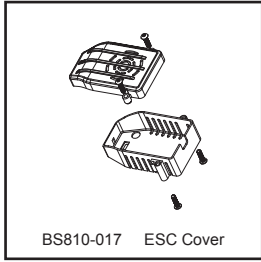
BS810-014 Chassis Bracket Unit



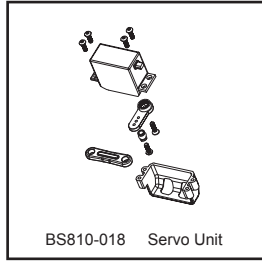
BS810-015 Steering linkage Set 2pcs



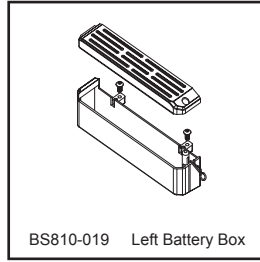
BS810-016 Steering Saver Unit



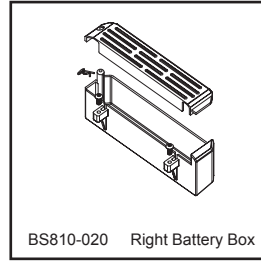
BS810-017 ESC Cover



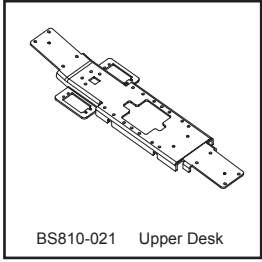
BS810-018 Servo Unit



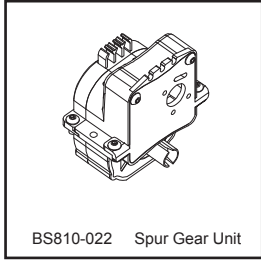
BS810-019 Left Battery Box



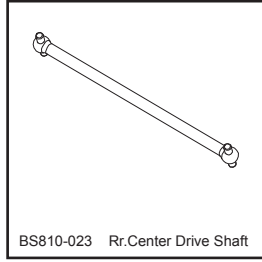
BS810-020 Right Battery Box



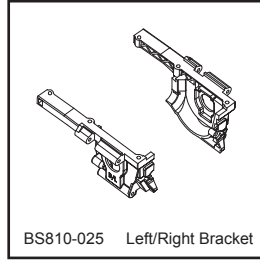
BS810-021 Upper Desk



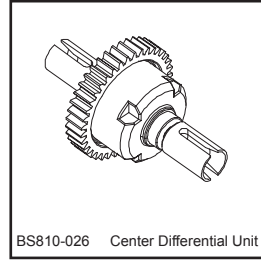
BS810-022 Spur Gear Unit



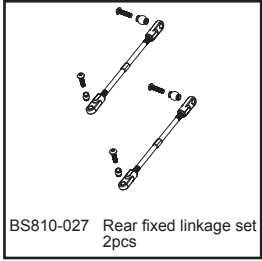
BS810-023 Rr.Center Drive Shaft



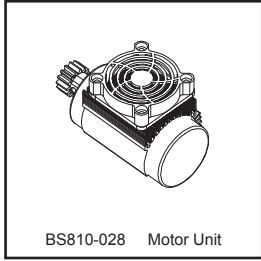
BS810-025 Left/Right Bracket



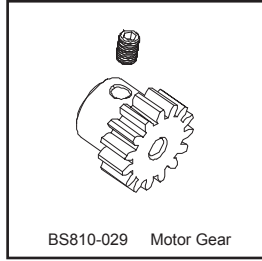
BS810-026 Center Differential Unit



BS810-027 Rear fixed linkage set 2pcs



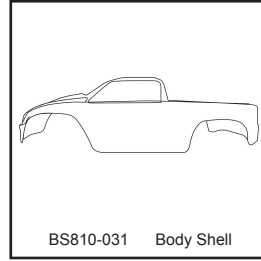
BS810-028 Motor Unit



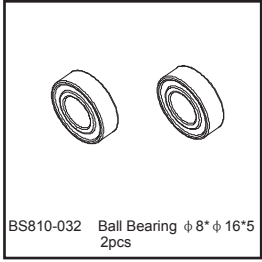
BS810-029 Motor Gear



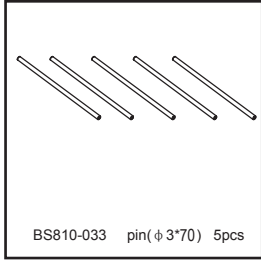
BS810-030 Servo Connecting Wire



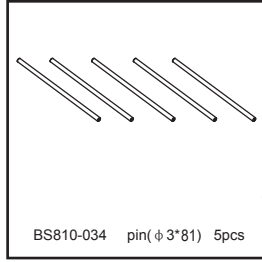
BS810-031 Body Shell



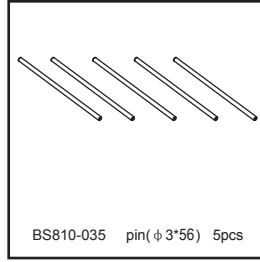
BS810-032 Ball Bearing $\phi 8^* \phi 16^* 5$ 2pcs



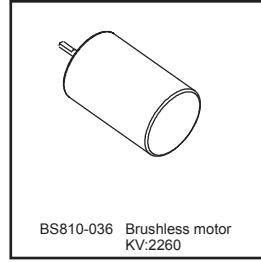
BS810-033 pin($\phi 3^* 70$) 5pcs



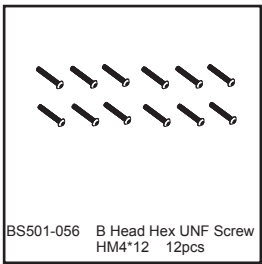
BS810-034 pin($\phi 3^* 81$) 5pcs



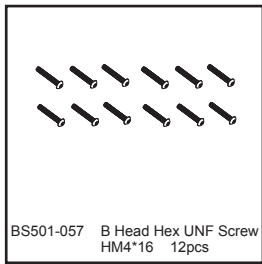
BS810-035 pin($\phi 3^* 56$) 5pcs



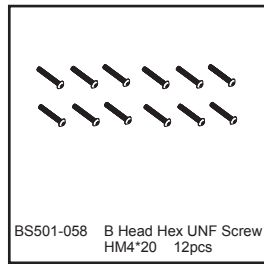
BS810-036 Brushless motor KV:2260



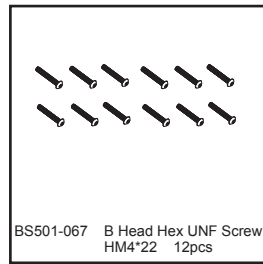
BS501-056 B Head Hex UNF Screw
HM4*12 12pcs



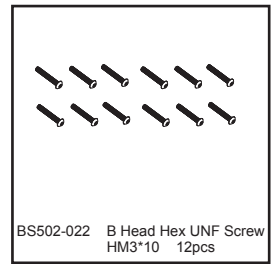
BS501-057 B Head Hex UNF Screw
HM4*16 12pcs



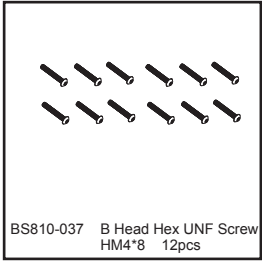
BS501-058 B Head Hex UNF Screw
HM4*20 12pcs



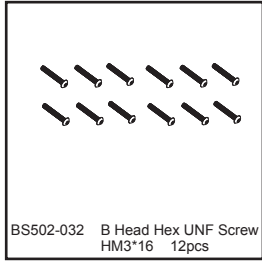
BS501-067 B Head Hex UNF Screw
HM4*22 12pcs



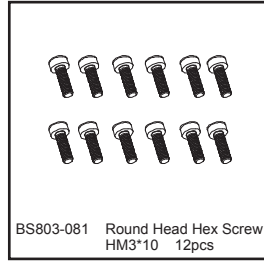
BS502-022 B Head Hex UNF Screw
HM3*10 12pcs



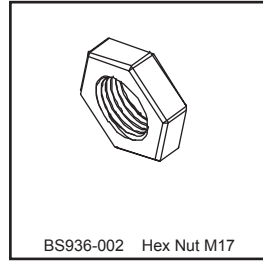
BS810-037 B Head Hex UNF Screw
HM4*8 12pcs



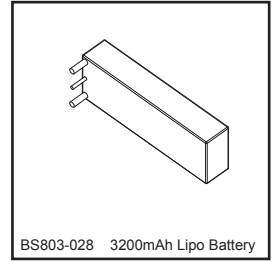
BS502-032 B Head Hex UNF Screw
HM3*16 12pcs



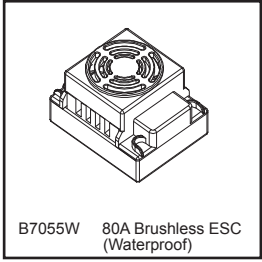
BS803-081 Round Head Hex Screw
HM3*10 12pcs



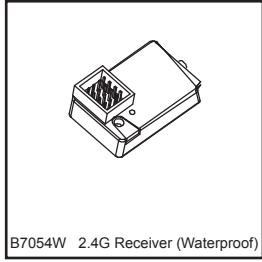
BS936-002 Hex Nut M17



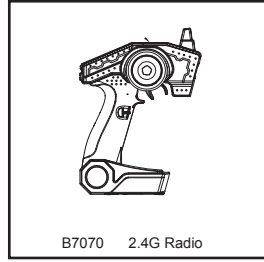
BS803-028 3200mAh Lipo Battery



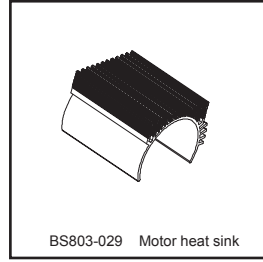
B7055W 80A Brushless ESC
(Waterproof)



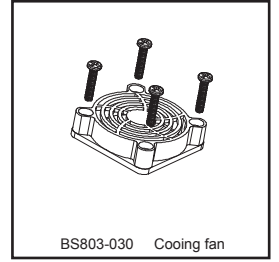
B7054W 2.4G Receiver (Waterproof)



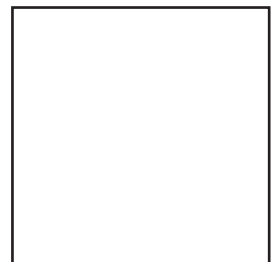
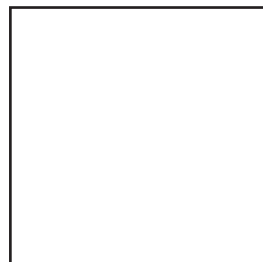
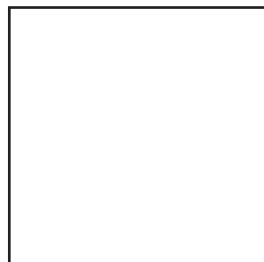
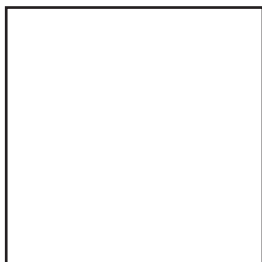
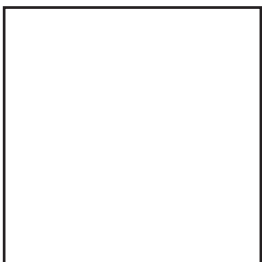
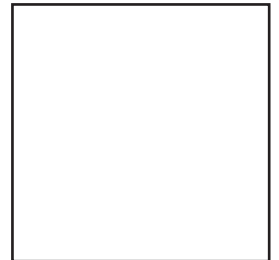
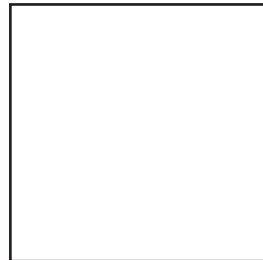
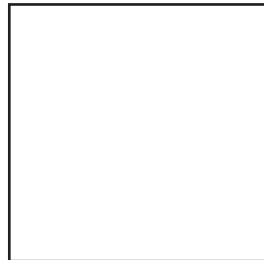
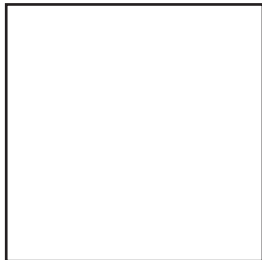
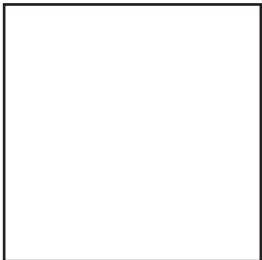
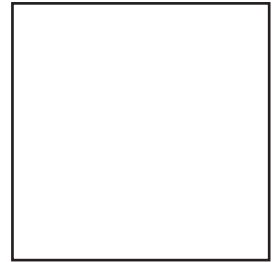
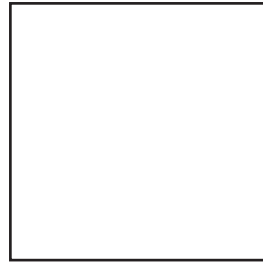
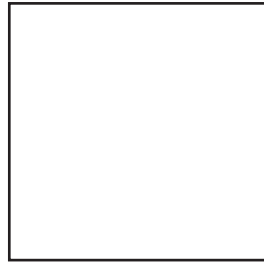
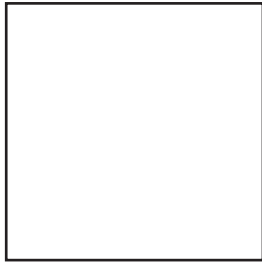
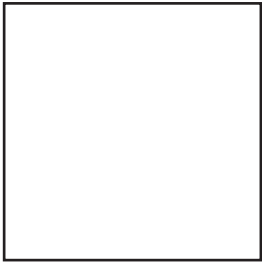
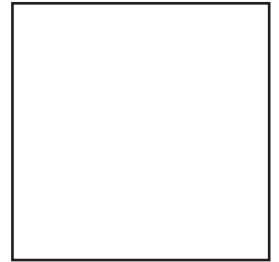
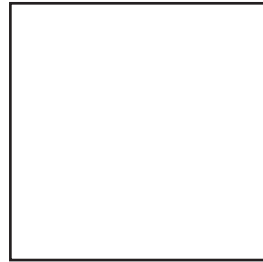
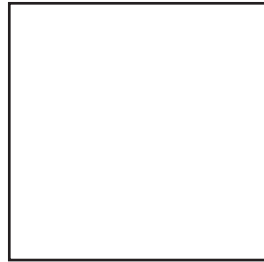
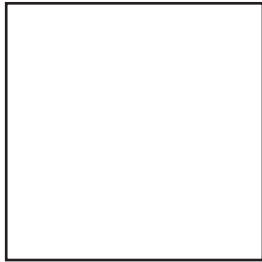
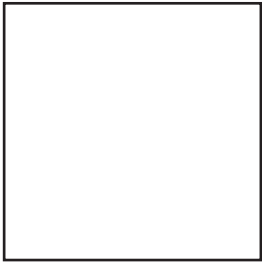
B7070 2.4G Radio



BS803-029 Motor heat sink



BS803-030 Cooling fan



Precautions and Warnings for Use and Handling of Lithium Polymer Battery

Preface

In order to get the optimum performance and reliable safety, consumers shall read and take the following instructions and precautions when use and handle the Lithium Polymer (Li-Po) batteries.

1. Charging

1-1 Charging current should not be more than the maximum charge current specified in the Product Specification (normally 0.5C-1.0C or lower). Charging with higher current may damage the cell or even lead to safety problem, e.g. overheating or leakage.

1-2 Charging voltage shall not be more than that specified in the Product Specification (4.2V/cell). 4.25V is the maximum charging voltage for each cell. Never charge the battery in series and be sure that each single cell has a separated charging circuit with a max. charging voltage of 4.25V. Or the battery may be overcharged, and lead to fire or explosion. The user is fully responsible to the result of misusing the battery.

1-3 Charging temperature: The cell should be charged within the range of temperatures specified in the Product Specification. Stop charging immediately when the surface temperature of the battery is over 50°C.

1-4 Reverse charging: Please make sure the polarities of cells are connected properly before charging. Reverse charging is strictly prohibited. Reverse charging cannot charge the cells but will deteriorate their charging/discharging and safety characteristics, or even lead to fire or explosion.

2. Discharging

2-1 Discharging current: The cell shall be discharged at the current no more than the maximum discharging current specified in the Product Specification. Over current discharging may damage the battery and cause over-heat.

2-2 Operation temperature: Use the battery within the temperature range specified in the Product Specification. Stop using when temperature is over 70°C.

2-3 Over-discharging: Over-discharging will deteriorate the cell's performance and characteristics. Do not over-discharge a battery below 2.75V/cell.

3. Storage

If you intend to keep the battery for a long time (3 months or longer), it is strongly recommended that the battery shall be stored under the environment with temperature 10-25°C, low humidity and without corrosive gas. The battery should be charged every six months to ensure that each cell's storage voltage is 3.6~3.9V.

Others

>The aluminum packing foil is very soft that it will be easily left scratches. Please do not hit the cell with any sharp edge parts.

>Don't fall, hit or bend the battery. It may cause fire or explosion.

>Short circuit the battery is strictly prohibited, it may damage the battery seriously.

>Never disassemble the battery. It may cause fire.

>Never dispose of the battery in fire. It is very dangerous and strictly prohibited.

>To place the battery into liquid such as water is strictly prohibited.

>Always remove battery from car when charging. Charging the battery in a car is forbidden and is dangerous.

>Avoid vibration, shock or extruding the battery. Handle carefully when moving it.

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