

COLT

**1/18TH SCALE 4WD ELECTRIC POWERED
OFF ROAD
READY-TO-RUN BUGGY**



SET-UP INSTRUCTIONS AND PARTS LISTING

www.ftx-rc.com





FTX Colt RTR Brushed 2.4GHz 4WD Mini Buggy

Congratulations on your purchase of the FTX 'Colt Buggy'.

This 1/18th scale model has been factory assembled and all electrics installed and set up to make it the easiest possible introduction to the sport of driving RC cars.



WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury. This is NOT a toy and must be operated with caution and common sense. Failure to operate this product in a safe and responsible manner could result in damage, injury or damage to other property. This product is not intended for use by children without direct adult supervision.

It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, set-up or use, in order to operate correctly and avoid damage or serious injury.

Safety Precautions and Warnings

- You are responsible for operating this model such that it does not endanger yourself and others, or result in damage to the product or the property of others.
- This model is controlled by a radio which is possibly subject to interference which can cause momentary loss of control so it is advisable to always keep a safe distance to avoid collisions or injury.
- Age Recommendation: 14 years or over. This is not a toy. This product is not intended for use by children without direct adult supervision.

Carefully follow these directions and warnings, plus those of any additional equipment associated with the use of this model, chargers, ESC and motors, radio etc.

- Never operate your model with low transmitter batteries.
- Always operate your model in an open area away from cars, traffic or people.
- Never operate the model in the street or in populated areas.
- Always keep the vehicle in direct line of sight, you cannot control what you cannot see!
- Keep all chemicals, small parts and anything electrical out of the reach of children.
- Avoid water exposure, moisture causes damage to electronics and may result in the loss of control or permanent damage.
- Avoid injury from high speed rotating parts, gears and axles etc.
- Novices should seek advice from more experienced people to operate the model correctly and meet its performance potential.
- Exercise caution when using tools and sharp instruments.
- Do not put fingers or any objects inside rotating and moving parts.
- Take care when carrying out repairs or maintenance as some parts may be sharp.
- Do NOT touch equipment such as the motor, electronic speed control and battery, immediately after using your model because they can generate high temperatures.
- Always turn on your transmitter before you turn on the receiver in the car. Always turn off the receiver before turning your transmitter off.
- Keep the wheels of the model off the ground, and keep your hands away from the wheels when checking the operation of the radio equipment.
- Prolong motor life by preventing overheat conditions. Undue motor wear can result from frequent turns, rapid change of direction forwards/backwards, continuous stop/starts, pushing/pulling objects, driving in deep sand and tall grass, or driving continuously up hill.

NB: This model is not waterproof.

Contents:

FTX Colt 1/18th RTR Electric Buggy.

Transmitter: 2.4GHz Steerwheel.

Charger: Input Mains 240V AC. Output 500mA DC

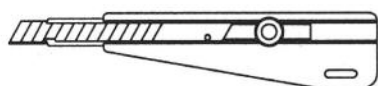
Battery: 7.2V 1100mAh NiMH

Aerial Tube.



Required equipment for operation

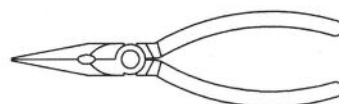
1. Tools required for building and maintenance:



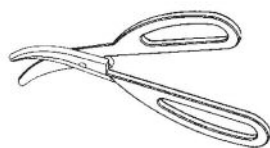
● Hobby knife



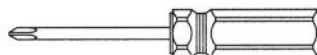
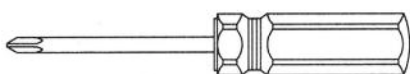
● Precision ruler



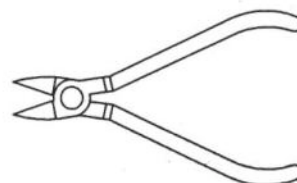
● Needle nose pliers



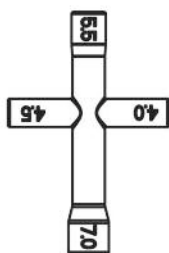
● Lexan scissors



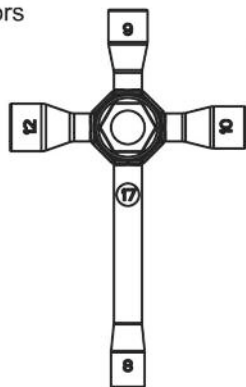
● Flat and Philips screwdriver



● 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

IMPORTANT!

Check that all screws and nuts are tight before each use.



CHARGING/INSTALLING THE BATTERY.

Always store your model with the battery pack unplugged and removed. Always charge your battery away from the vehicle. The included 500mAh mains charger will take approx 2 hours to charge a fully discharged battery, but always remove it from the charger if it becomes warm to the touch. Always disconnect the charger from the mains supply and the battery pack when not in use. Keep children away from charger and battery during the charging process.

To install a charged battery, remove the body clips and remove the bodyshell. Remove the battery retainer clips, insert battery and reinstall retainer with the flat side facing the battery and re-insert clips. When connecting battery and turning car on, ensure it is off the ground, with wheels away from objects.



Notes on Battery use:

Always allow the battery cool after use, before recharging.

Always inspect the battery before charging.

Any bare wires, split heat shrink or leakage is a sure sign of abuse.

Never attempt to charge dead or damaged batteries.

Do not disassemble the battery or cut the connector wires.

If the battery connector gets hot enough to melt there is most likely a serious problem with your model, driveline, battery wires or speed controller. Find and correct the problem before installing another charged battery pack.

NEVER charge the battery unattended incase of overcharging, you need to be able to monitor the battery during charging

Charge away from flammable objects and on a non-flammable surface incase the battery becomes too hot.

RADIO SET-UP

BATTERY INSTALLATION

Install eight 1.5V (AA size) rechargeable batteries in the transmitter base and re-fit the bottom cover.

BATTERY CARE

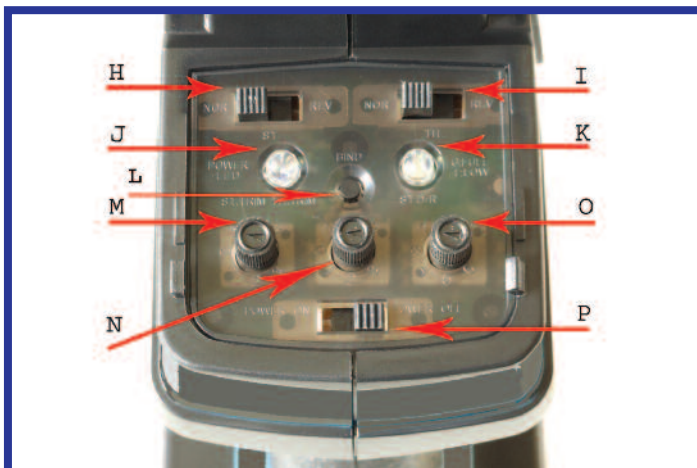
If your transmitter or receiver is being powered by rechargeable Nickel Cadmium or Nickel Hydride batteries, be sure to always check they are fully charged and in good condition before use. Loss of control could soon result if part charged, discharged or damaged batteries are installed. When charging NiCd or NiMH batteries always use a dedicated charger, never try to recharge dry cells. If at any time during use or charging your transmitter or receiver batteries show signs of severely over heating, swelling or leaking, disconnect immediately, dispose of properly and replace!





KEY TO TRANSMITTER FEATURES

- A – 2.4GHz Aerial
- B – Steering Wheel
- C – Throttle Trigger
- D – Control Panel Cover
- E – Battery Box
- F – DSC (Simulator) Port (NOT USED/SUPPORTED)
- G – Charger Port (if using re-chargable AA batteries)
- H – Steering Reverse Switch
- I – Throttle Reverse Switch
- J – Power (RED) LED
- K – Bind/Battery Condition (Green) LED
- L – 'Bind' Button
- M – Steering Trim Dial
- N – Throttle Trim Dial
- O – Steering Dual Rate Dial (D/R)
- P – Power On/Off Switch



TRANSMITTER FUNCTIONS

- The Steering Wheel (B) operates Channel 1 and when turned anti clockwise the model should steer to the left and vice versa. If not, simply flick the Steering Reverse Switch (H) to the "Rev" position.
- The Throttle Trigger (C) operates Channel 2 and when pulled towards the handset the model should move forwards, when pushed away it should brake (and then reverse if available), otherwise simply flick the Throttle Reverse switch (I) to the "Rev" position.
- Beneath the folding Control Panel Cover (D) you will find an array of useful adjustments, plus the Power Switch (P).
- When the Power Switch (P) is moved left to the 'On' position, the RED LED (J) lights up, as does the Green LED (K), this shows a good battery condition.

If the transmitter batteries are weak and the voltage drops below 9V DC, the green LED flashes to alert you to the possibility that range will be limited and control might be lost, so new batteries (or a recharge) are advisable.

- If model does not track straight, adjust the Steering Trim Dial (M).
- If model creeps forwards or doesn't sit at Neutral, adjust the Throttle Trim Dial (N).
- The Steering Dual Rate Dial (O) controls the total amount of steering available. If the servo is straining against the steering end stops, turn it down (clockwise) until it only just achieves maximum steering lock. If the vehicle exhibits excess steering, or when at high speed you feel it over reacts to the slightest adjustments, turn the Steering Dual Rate Dial down yet further until the model becomes more controllable, but not so far that you struggle to negotiate the tightest corner on the course. If the servo is connected to the receiver correctly but the model does not steer at all, double check the Steering Dual Rate Dial is not at Zero, before checking for any more serious faults!



THROTTLE CONTROL



When at the mid position the model should remain stationary, if it creeps slightly adjust the throttle neutral dial accordingly.



When pulled back to the handset the model should move forwards, if not flick the Throttle switch to the 'Rev' position.



When pushed away the model should brake (and then move in reverse if applicable) if not simply flick the throttle switch to the 'Rev' position.

BINDING THE TRANSMITTER TO THE CAR

To make sure only one transmitter can control the receiver they need to be matched, and to do so you need to "Bind" them together so they only recognise each others signature code.



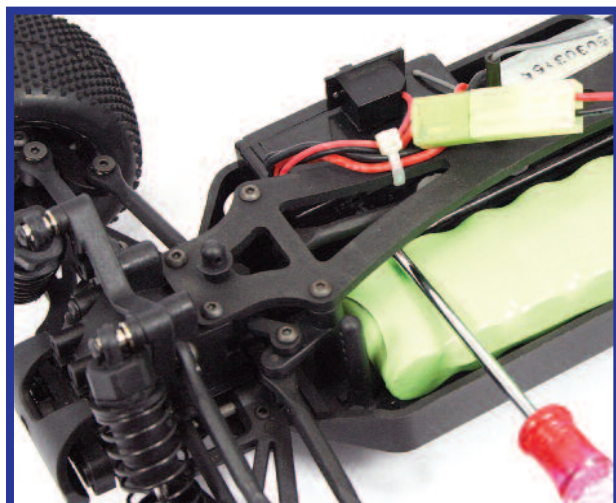
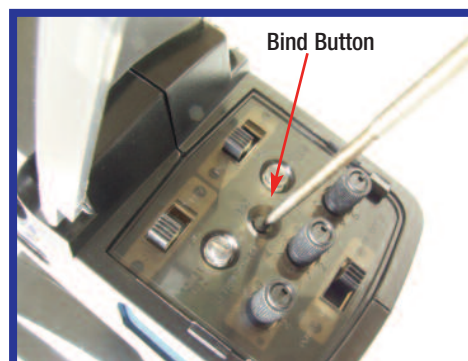
The car should come already factory bound to the transmitter. To bind again please following these instructions:

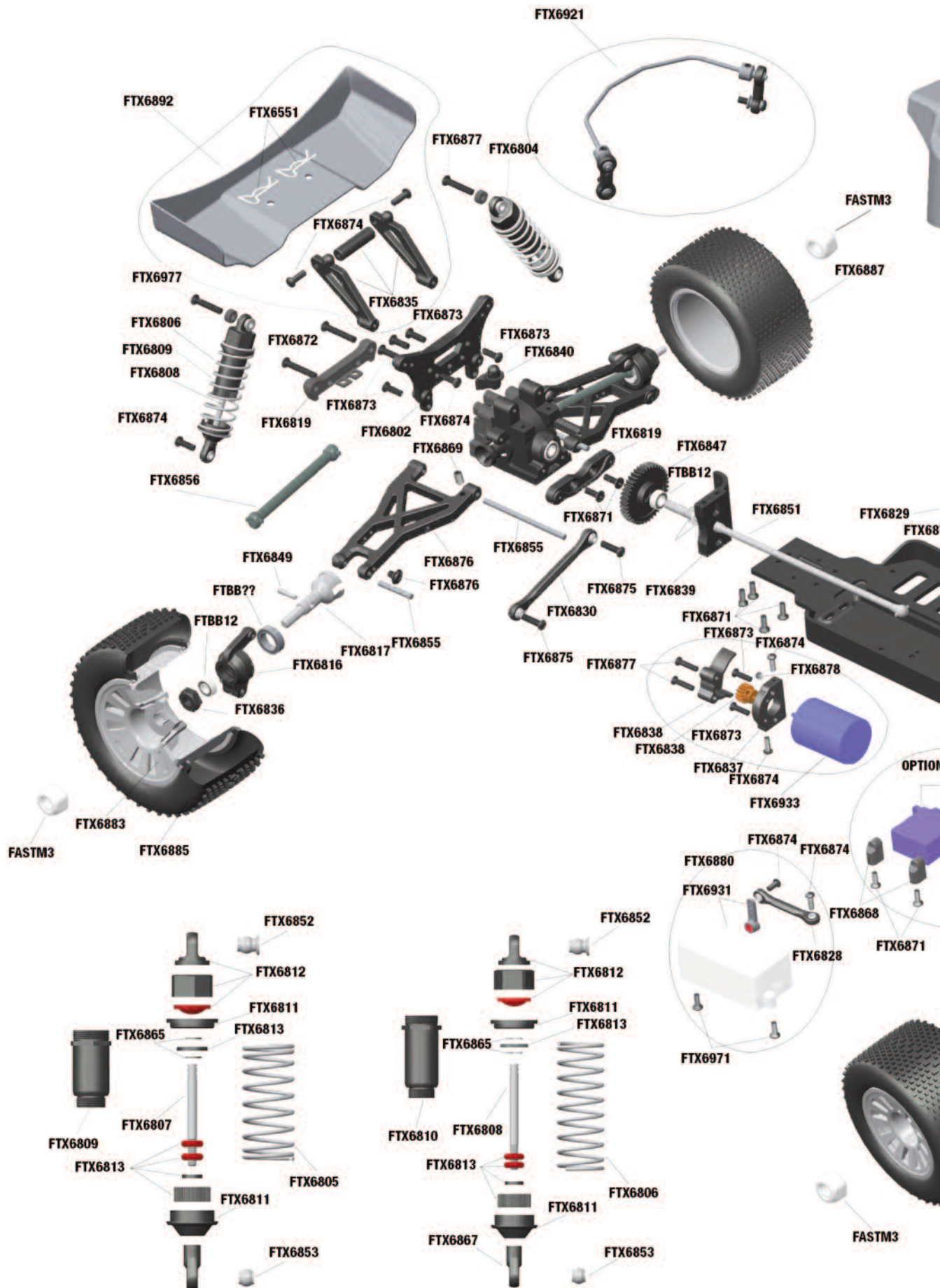
Plug the battery pack to the speed control. Then turn on the car via the switch. If you look inside the car you will see the steering servo link and 3-in-1 box bind button location. A small light will flash on the inside of the 3-in-1 esc/servo/receiver box when it is turned on.

Then, using a small screw driver gently press the bind button on the inside of the box for a few seconds.

Next turn on the transmitter switch whilst holding down the centre bind button at the same time.

Release the button and the transmitter and 3-in-1 unit should bind and be paired. Both LED on the transmitter will turn solid red and green.































Common Part List

FTX6801- Front Shock Tower 1pc 	FTX6802 – Rear Shock Tower 1pc 	FTX6803 -Front Shocks 2pc 	FTX6804 - Rear Shock 2pc 
FTX6805 -Front Shock Spring 2pc 	FTX6806 -Rear Shock Spring 2pc 	FTX6807-Front Shock Shaft & Piston Set 2sets 	FTX6808 -Rear Shock Shaft & Piston Set 2sets 
FTX6809 -Front Shock Body 2pc 	FTX6810 -Rear Shock body 2pc 	FTX6811-Shock Lower holder & Adjust Ring 2sets 	FTX6812-Shock Upper Caps 1set 
FTX6813-Shock Lower Caps 1set 	FTX6814-Steering Knuckle Arm 1set 	FTX6815 -Uprights 2pc 	FTX6816 -Rear Hub Carrier 2pc 
FTX6817-Rear Drive Shaft 2pc 	FTX6818 -Front Susp. Holders 2pc 	FTX6819 -Rear Susp. Holders 2pc 	FTX6820-Gearbox Housing Set 1set 
FTX6821 -Front CVD 2pc 	FTX6822 -Upper Susp.Arm 2pc 	FTX6823-Front Lower Susp.Arm 2pc 	FTX6824 -Bumper 1pc 












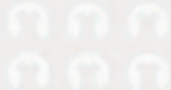












Part List

FTX6825 - Servo Saver Post 2pc 	FTX6826 -Servo Saver 1set 	FTX6827-Steering Arm 2pcs 	FTX6828 - Servo Linkage 1pc 
FTX6829 -Steering Ackerman 1set 	FTX6830-Rear Upper Susp Arm 2sets 	FTX6831 -Upper plate 1pc 	FTX6832-Chassiss plate 1pc 
FTX6833 -Battery Cover 1pc 	FTX6834 -Rear Lower Susp.Arm 2pc 	FTX6835-Wing Bracket 1set 	FTX6836 -Wheel Hub 4pc 
FTX6837-Motor Mount 1pc 	FTX6838 -Gear Cover 1pc 	FTX6839 -Spur gear bracket 1pc 	FTX6840-Buggy Body Mount 1set 
FTX6841 -Diff Bevel Gear B-1 2pc 24T 	FTX6842 -Diff Bevel Gear B-2 2pc 24T 	FTX6843 -Diff Drive Gear 2pc 14T 	FTX6844-Diff Bevel Gear S. 3pc 12T 
FTX6845 -Diff Drive Spur Gear 2pc 38T 	FTX6857 -Pinion Gear 1pc 14T FTX6857 -Pinion Gear 1pc 12T 	FTX6847 -Spur Gear 1pc 41T 	FTX6848 -Diff.Drive Gear Pin 1pc 



Part List

FTX6849 -Pin 1.5*8 6pc 	FTX6850 -Diff Pin 2pc 	FTX6851 -Center Drive Shaft 1pc 	FTX6852 -Ball A 6pc 
FTX6853 -Ball B 6pc 	FTX6854 -Center Coupler 2pc 	FTX6855 -Hinge Pins(long & short) 1set 	FTX6856 -Rear Dongbone 2pcs 
FTBB12 -Ball Bearing 8*4*3 6pc 	FTBB18 -Ball Bearing 10*6*3 6pc 	??? -Ball Bearing 12*8*3.5 6pc 	FTX6865 -E clip-2mm 6pc 
FTX6866 -E clip-6mm 4pc 	FTX6867 -Shock Ball End 6pc 	FTX6551 -Body Clip(Small Size) 6pc 	FTX6550 -Body Clip(Medium Size) 6pc 
FASTM3 -Nylon Lock Nut M3 6pc 	FTX6868 -Servo post 2pc 	FTX6869 -Screw M3*6 6pc 	FTX6870 -Flat Head Hex M2.5*6 6pc 
FTX6871 -Flat Head Hex M2.5*8 6pc 	??? -Pin 20*8 6pc 		



Part List

FTX6872-Button Head Hex Screw M2.5*16 6pc 	FTX6873-Button Head Hex Screw M2.5*6 6pc 	FTX6874 -Button Head Hex Screw M2.5*8 6pc 	FTX6875-Button Head Hex Screw M2.5*10 6pc
FTX6876 -Ring Self Tapping Screw 2.5*4 4pc 	FTX6877-Button Head Hex Screw M2.5*14 6pc 	FTX6878 -Set Screw M3*3 6pc 	FTX6879 -Button Head Hex Screw M3*6 6pc
FTX6880 -E clip-3mm 6pc 	FTX6881 -Pin 1.5*10 6pc 	FTX6882-Diff Drive Cup 2pc 	FTX6883-Rim 2pc
FTX6884 -Truck tyre 2pc 	FTX6885-Buggy tyre 2pc 	FTX6886 -Truck tyre set 2sets 	FTX6887-Buggy tyre set 2sets
FTX6888-Battery Tray Mount 2pc 	FTX6889-Boody post 2pc 	Buggy Tail Wing 3pc 	Buggy Printed Body 3pc


























Part List

<p>-2.4GHz Transmitter 1pc</p> 	<p>FTX6931-2.4GHz Transmitter 3-IN-1 Combo 1pc</p> 	<p>-Li-Po 7.4V 1300mAh 1pc</p> 	<p>FTX6932 - NI-MH 7.2V 1200MAH 1pc</p> 
<p>FTX6933-370 Brushed Motor 1pc</p> 	<p>-4500KV Brushless Motor 1pc (2040)</p> 	<p>-25A Brushless ESC 1pc</p> 	<p>-1.8kg Servo 1pc</p> 
<p>Charger BS 1pc</p> 	<p>FTX6891 -Diff.set(Ball bearings)</p> 	<p>FTX6890 -Button Head Hex Screw M2.5*7 6pc</p> 	



Options

<p>FTX6900 -Front Shock Tower(Carbon) 1pc</p> 	<p>FTX6901 -Rear Shock Tower(Carbon) 1pc</p> 	<p>FTX6902 -Battery Cover(Carbon) 1pc</p> 	<p>FTX6903 -Upper plate(Carbon) 1pc</p> 
<p>FTX6904 -Chassiss plate(Carbon) 1pc</p> 	<p>FTX6905 -Steering Ackerman(AL) 1set</p> 	<p>FTX6906 -Diff Drive Cup (FE) 2pcs</p> 	<p>FTX6907 -Rear Hub Carrier(AL) 2pc</p> 
<p>FTX6908 -Steering Knuckle(AL) 1set</p> 	<p>FTX6909 -Uprings(AL) 2pc</p> 	<p>FTX6910 -Spur Gear Bracket(AL) 2pc</p> 	<p>FTX6911 -Motor Mount(AL) 1pc</p> 
<p>FTX6912 -Rear Lower Susp. Arm(AL) 2pc</p> 	<p>FTX6913 -Front Lower Susp. Arm(AL) 2pc</p> 	<p>FTX6914 -Front Susp. Holder(AL) 2pc</p> 	<p>FTX6915 -Rear Susp. Holder(AL) 2pc</p> 
<p>FTX6916 -Front Shocks(AL) 2pc</p> 	<p>FTX6917 -Rear Shocks(AL) 2pc</p> 	<p>FTX6918 -Rear Dogbone(AL) 2pc</p> 	<p>FTX6919 -Front CVD(AL) 2pc</p> 
<p>FTX6920 -Wheel Hub(AL) 4pc</p> 	<p>FTX6921 -Sway Bar(AL) 1set</p> 	<p>FTX6922 -Center Coupler (FE) 2pc</p> 	



15

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