

SG

MAVERICK

SCOUT SCOUT
FLUX



Startup Guide

Thank you for selecting this Maverick RC product!

HAVE FUN! But please read this first!!

We know you will have great fun with your model, but to get the best from your purchase, please read this information before operating your model.



Safety precautions

WARNING! THIS IS NOT A TOY

This product is an authentic hobby-grade radio-controlled vehicle (RC vehicle) and not a toy.

Please read the enclosed instructions carefully and follow all product warnings for all accessories used with this product, including batteries, chargers, tools, adhesives, electronics, and cleaning materials.

This model may require some assembly and will need regular maintenance.

Prior experience with RC models is recommended.

If you are new to radio-controlled vehicles, please ask an experienced hobbyist or retailer for advice.

- Never connect the drive battery with reversed polarity or attempt to disassemble the battery. Incorrect handling can cause short circuits or fire and is extremely dangerous.
- If you are using rechargeable batteries for the transmitter, always use a compatible charger for that battery type.
- Do not operate, display, or test this product on public roads, in crowded places, or near people or animals. Always make sure others are aware you are using this model to prevent injury or damage.
- Some parts may become hot during normal operation — handle with care.
- This product is covered by a limited warranty. Please read the enclosed warranty details for more information. Damage caused by crashes, negligence, or improper handling is not covered under warranty.

Section	Contents	Page
	Overview	4
	Main Car Components	5
1	Getting Started	6
1-1	Charging Car Battery	6
1-2	Setting Up the Transmitter	7
1-3	Preparing the Chassis	8
2	Setup	9
2-1	ESC/Receiver Setup	9
2-2	Binding/Pairing	9
2-3	Decals	10
3	Switching On	11
4	Using the Transmitter	12
4-1	Transmitter Information	12
4-2	Steering	13
4-3	Acceleration/Braking	14
4-4	Transmitter Indication Light	14
4-5	Practice Turning	14
5	Fail Safe System	15
5-1	Checking Fail Safe	15
6	Checking Radio Range	16
7	Basic Troubleshooting	16
7-1	Steering Adjustments	16
7-2	Throttle Adjustments	18
8	After Use	19
8-1	Switching Off	19
8-2	Maintenance after driving	19
	Further Information	20
	Driving in wet conditions	20
	Troubleshooting	20

Additional Information

QS

Quick Start Guide



+



TG

Technical Guide



+



SG

This Guide



RMI

Transmitter Manual



EMI

ESC Guide

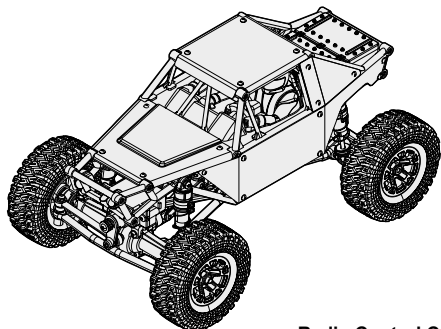


i

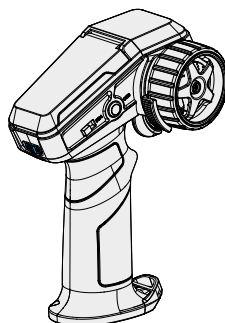
EM 1-1

NOTE - This refers to the relevant guide (as above) and the relevant section. In this example, Section 1-1 of the ESC Manual.

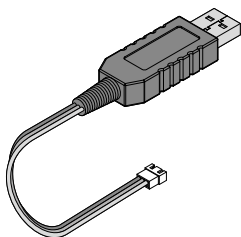
Kit Contents



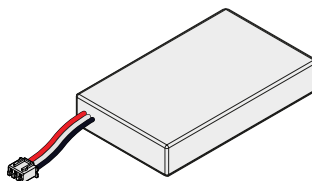
Radio Control Car



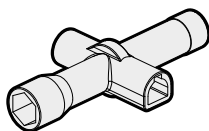
Transmitter



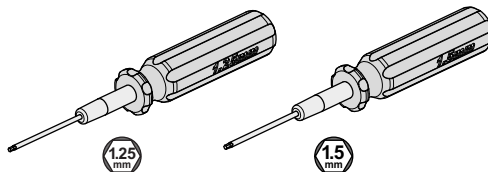
7.4V USB Charger



Element 7.4V 350mAh Li-Ion
Battery Pack (JST-XH)



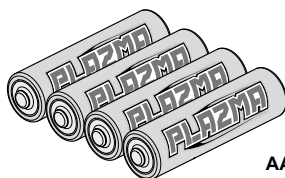
4-Way Cross Wrench (Small)



2 x hex drivers - M1.25, M1.5

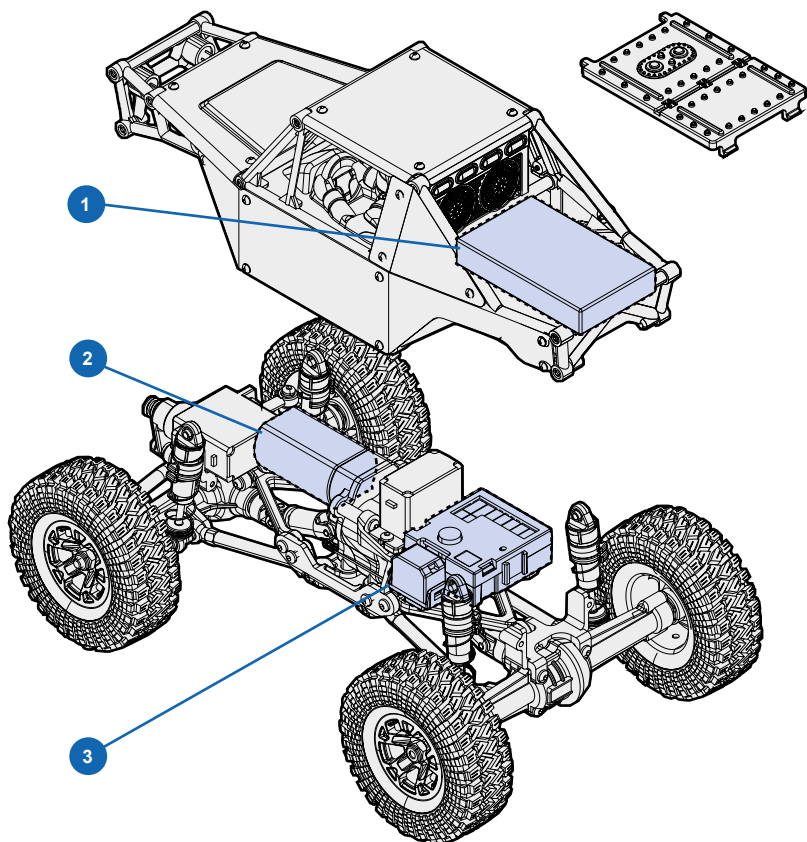
Equipment Needed

4x

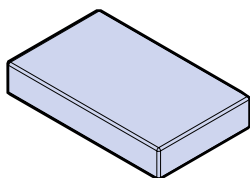


AA Batteries for Transmitter

MAIN CAR COMPONENTS

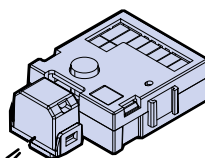


1



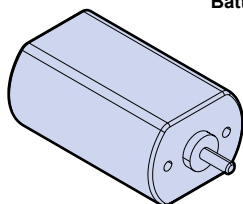
Battery

3



Electronic Speed Control (ESC)

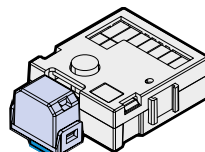
2



Motor



Power Switch



1-1 Charging Car Battery



Caution

- Only use the supplied charger to charge the battery pack.
- Do not leave the battery unattended while charging.
- Do not use damaged or leaking batteries or chargers.
- Children must not charge the battery without adult supervision.
- Always disconnect the battery from the ESC/Receiver and remove it from the model when not in use.
- Fully charge the battery before each run.
- Do not leave the battery uncharged for long periods.
- Do not fully discharge the battery during use.
- Charge only in dry conditions. Do not charge in wet or humid environments.

1. Connect the charger plug to the battery pack connector
The connectors are shaped and include a clip to ensure correct connection.

Do not force them together – always check alignment first.

2. The charger will automatically begin charging.

Charging will stop automatically once the battery is fully charged.

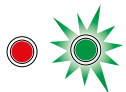
Error: Voltage out of charging range.

If this happens repeatedly, the battery pack may be damaged and should be replaced.

LED Status



Solid Red: Charger has power



Solid Red and Flashing Green: Charging



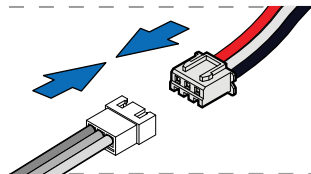
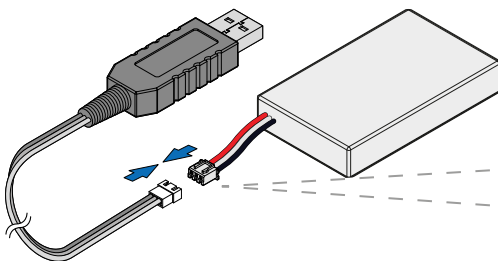
Solid Red and Green: Fully Charged



Flashing Red: Damaged Battery (will not charge)



Both LEDs off: Possible damage to charger



Caution

The USB charger requires a USB power adapter with an output of at least 2A.



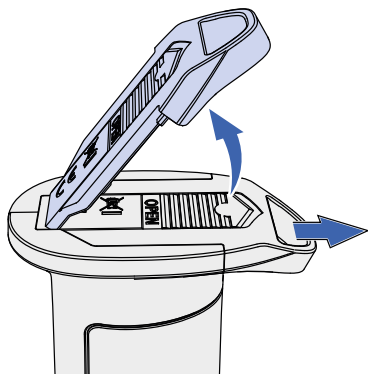
Caution

Do not use NiCd or NiMH battery chargers for Li-ion/LiPo batteries.
Always use a charger specifically designed for Li-ion/LiPo batteries to prevent damage.

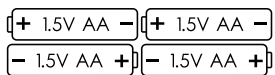
1-2 Setting Up the Transmitter

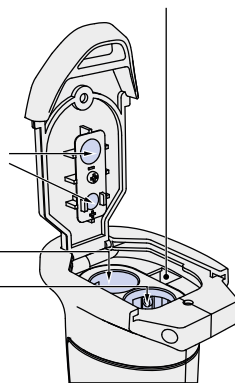
1-2-1 Transmitter Battery Installation

- 1** Open the battery cover on the bottom of the transmitter.

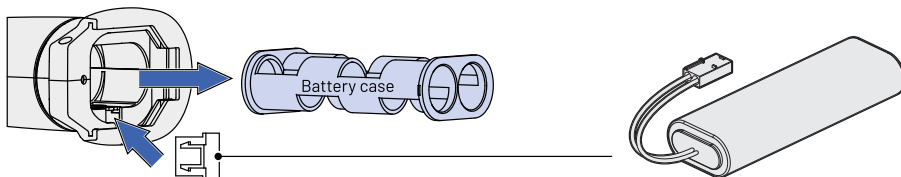


- 2** Insert four 1.5V AA batteries (not included) into the battery tray. Make sure to check the polarity (+ and -) markings carefully before closing the cover


1.5V AA Battery ×4pcs (Not included)



- 3** Alternatively, remove the battery tray to use a compatible battery pack



Tip

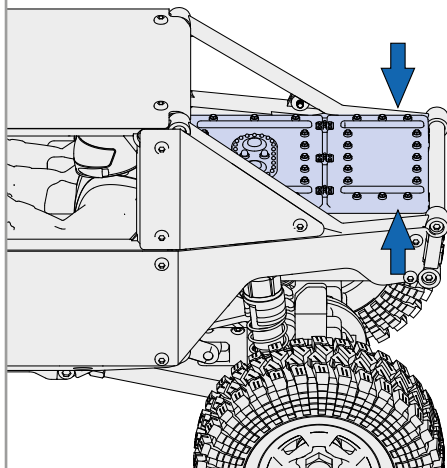
Always use high-quality alkaline or rechargeable NiMH AA batteries for best performance.

If using rechargeable batteries, remove them from the transmitter before charging.

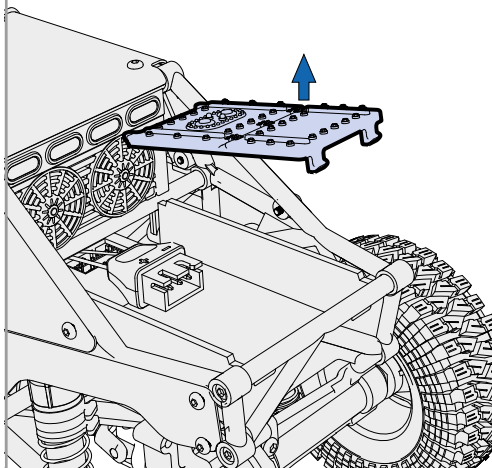
1-3 Preparing the Chassis

1-3-1 Access Battery

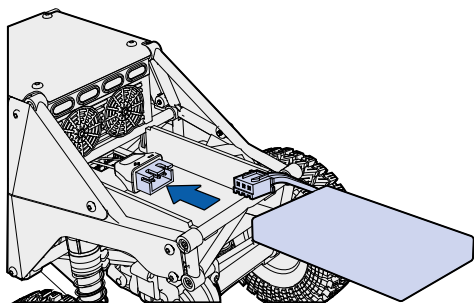
- 1** Lift the battery compartment cover from the side upwards



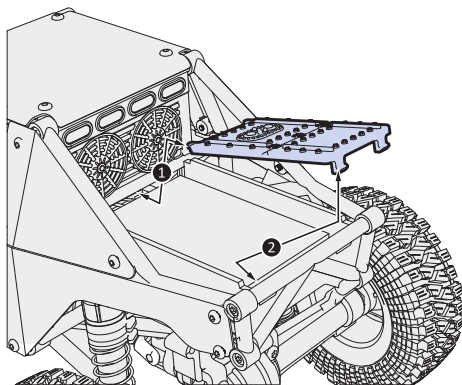
- 2** Remove the battery compartment cover



- 3** Place the battery into the compartment and connect with the ESC.



- 4** To replace the battery compartment cover, insert the lip into the front part of the battery compartment, and press down.



Cautions

Remove the battery after use to prevent damage.

2-1 ESC/Receiver Setup

The ESC and Receiver are preset at the factory for correct operation with the supplied Transmitter and Battery
For Connections refer to your ESC Manual



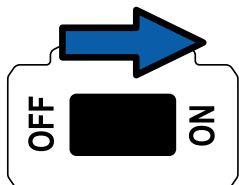
EM 1-1

2-2 Binding/Pairing

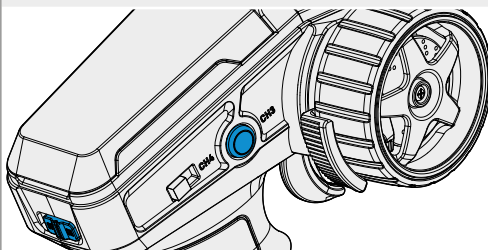
Binding (also called pairing) is the process of creating a secure connection between the transmitter and the ESC/Receiver, allowing the model to respond only to that specific transmitter. In most cases, the binding process will happen automatically when both the transmitter and the ESC/Receiver are switched ON and within range.

If auto-pairing fails, follow these steps to rebind the system manually:

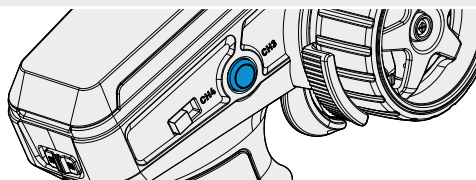
- 1 Place the transmitter and the receiver close to each other (within one meter). Restart the ESC power supply.



- 2 Press and hold the CH3 button while turning on the transmitter power.



- 3 Release CH3.



- 4 When all lights stay lit continuously, pairing is successful.



Cautions

Any new binding of transmitter & receiver will clear the preset fail safe.

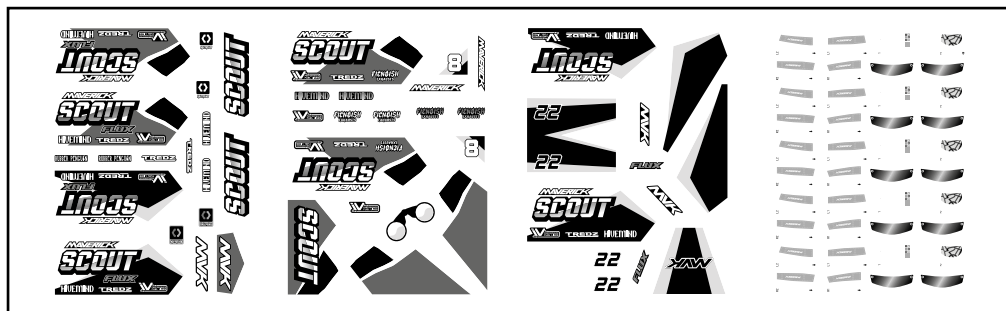


Cautions

If you change transmitters or add a receiver, you must re-bind before operating your vehicle.

2-3 Decals

A decal sheet is included. Our suggestion for placement is as shown, but feel free to customize your car however you like!



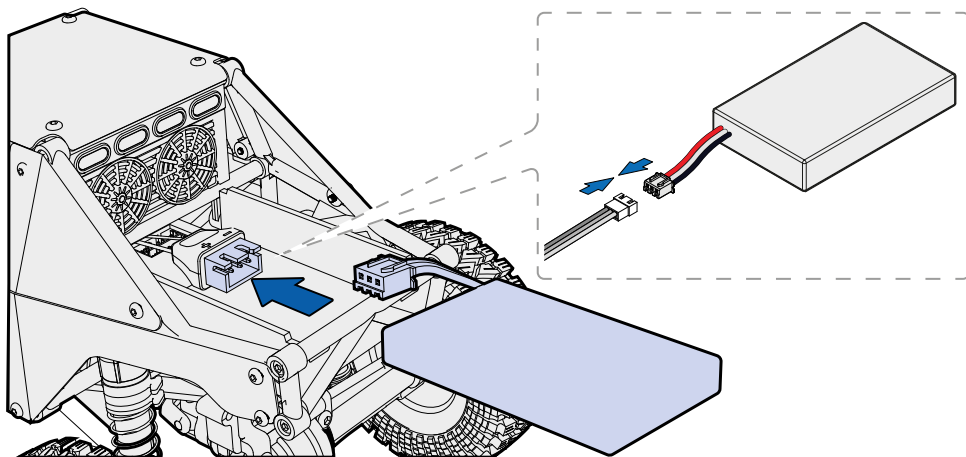
2-3-1 "Peaks" Livery



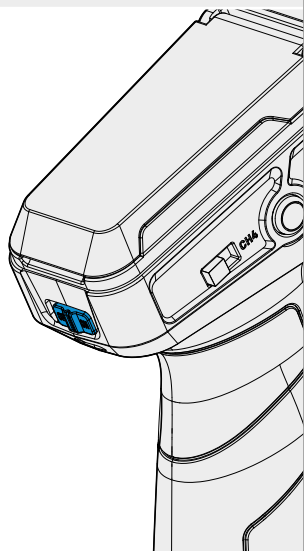
2-3-2 "Shapes" Livery



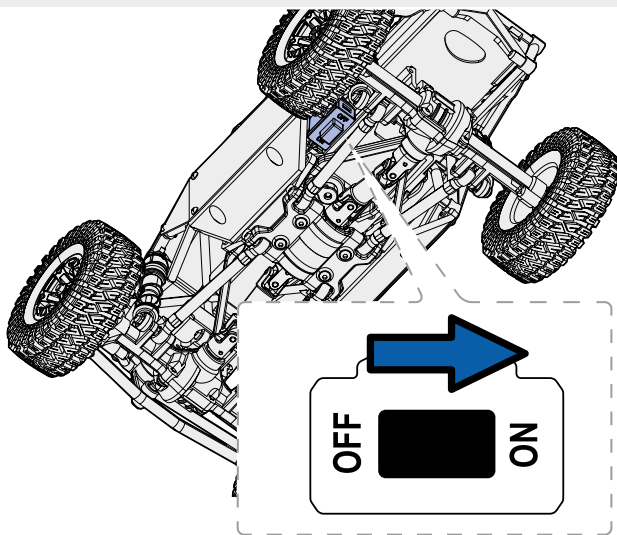
1 Ensure Car Battery is connected



2 Switch on transmitter first



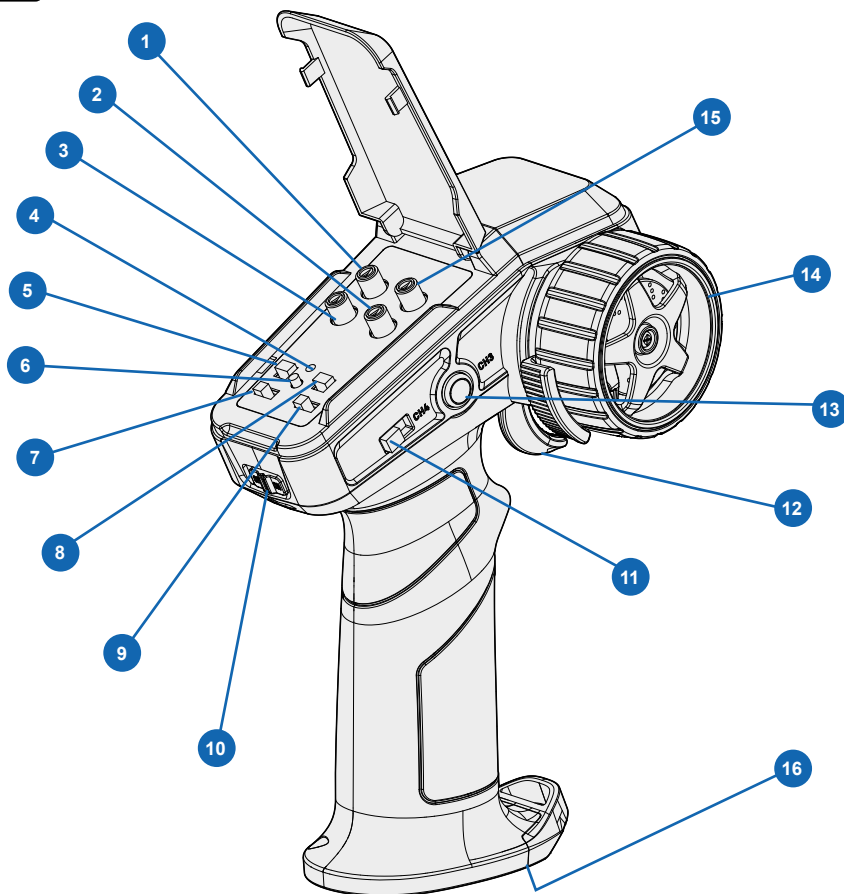
3 Then switch on power on ESC



Tip

If you change the transmitter or receiver, rebinding is required.
Refer to Section 2-2 for full binding/pairing instructions.

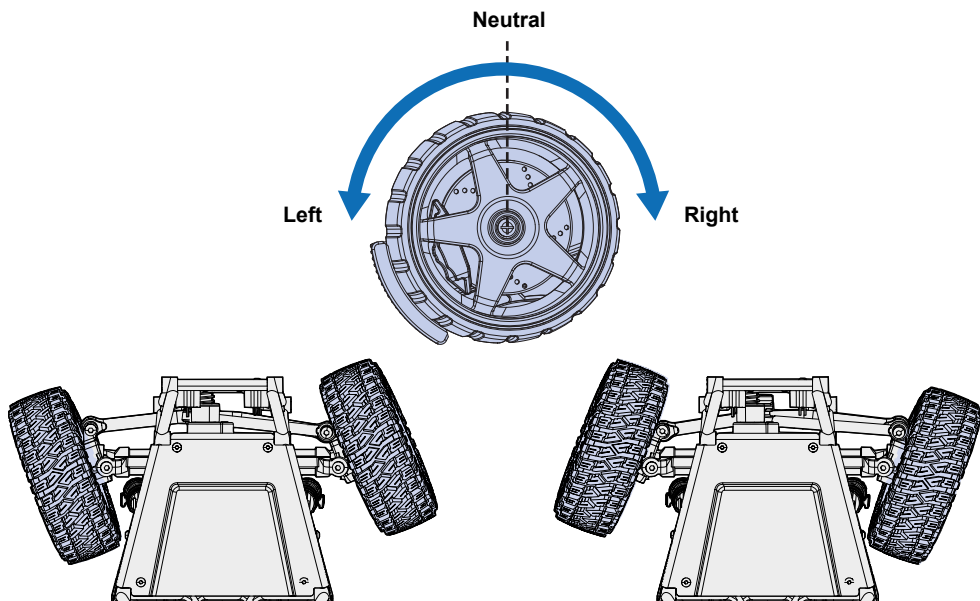
4-1 Transmitter Information



- | | |
|-------------------------------|-------------------------------------|
| 1 Front Steering Trim | 9 Steering Reverse |
| 2 Throttle Trim | 10 Power Switch |
| 3 Rear Steering Trim | 11 CH4: Throttle Rate |
| 4 Transmitter Indicator light | 12 Throttle Trigger (CH 2) |
| 5 CH5: Expansion channels | 13 CH3: Binding and Light functions |
| 6 Steering Mode Selection | 14 Steering Wheel (CH1) |
| 7 Throttle Reverse | 15 Steering Dual Rate |
| 8 CH6: Drag Brake | 16 Battery Cover |

4-2 Steering

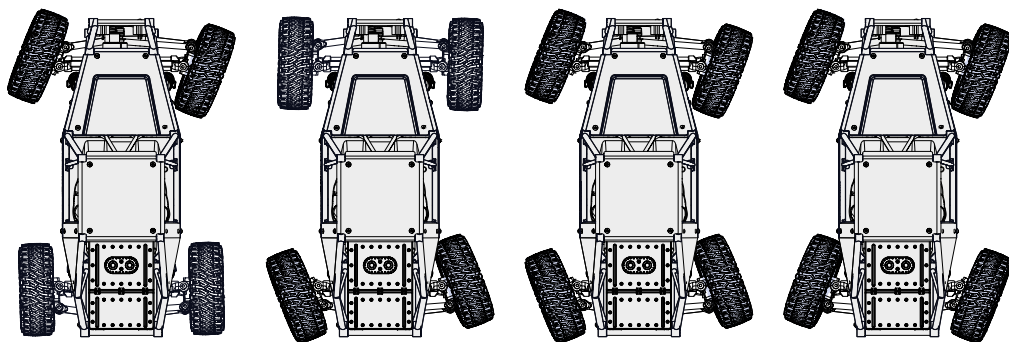
4-2-1 Front Wheel Steering



4-2-2 4-Wheel Steering (151303, 151304, 151305 ONLY)

Brushless (Flux) models come with 4 wheel steering. Four wheel steering improves maneuverability during crawling or when navigating obstacle courses.

There are 4 modes which change the behavior of the steering. You can cycle through these modes by pressing the mode switch on the transmitter.



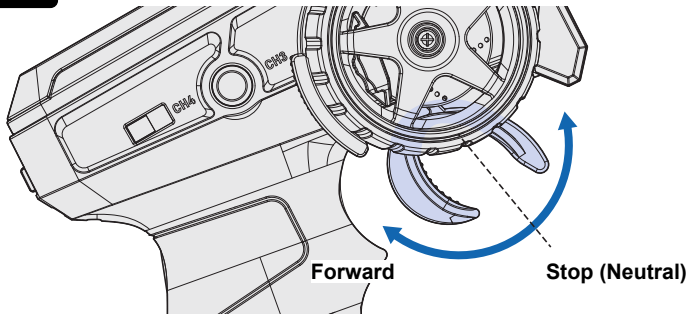
M1: Front-wheel steering
(Default)

M2: Rear-wheel steering

M3: Counter-phase
steering

M4: In-phase steering

4-3 Acceleration/Braking



4-4 Transmitter Indication Light

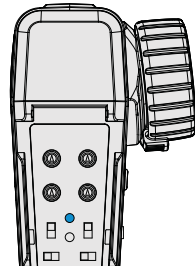
Situation 1:

If the signal becomes weak or is lost, the indicator light will flash quickly.

Situation 2:

If the transmitter battery power is low, the indicator light will flash slowly.

If either of these situations occurs, stop using the model and check the batteries or signal connection immediately to prevent loss of control or accidents.



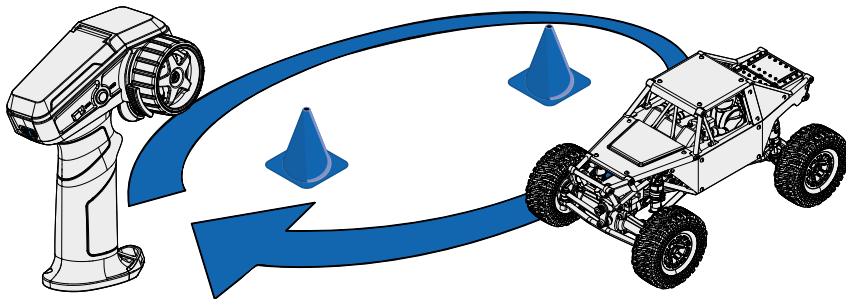
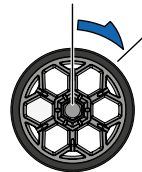
4-5 Practice Turning

Install the body and have fun!

Allow the model to cool down for at least 15 minutes between runs.

When the car is driving toward you, remember that the steering directions will feel reversed — turning the wheel left makes the car turn right, and vice versa.

Once you are comfortable controlling your RC model, try setting up a simple track or practice area using cones or markers to improve your driving skills.



Caution

Do not run your model in water, mud, or sand.

Never drive on public roads or highways — this can cause accidents, injury, or damage to property.

5-1 Checking Fail Safe

This car has a built-in fail safe system that will stop the car if the radio glitches, either because of interference or if the car goes out of range.

The fail safe system has been setup at the factory, but you should become familiar with the function of the fail safe and check the operation before running.



Caution

Any new binding of transmitter & receiver will clear the preset fail safe.

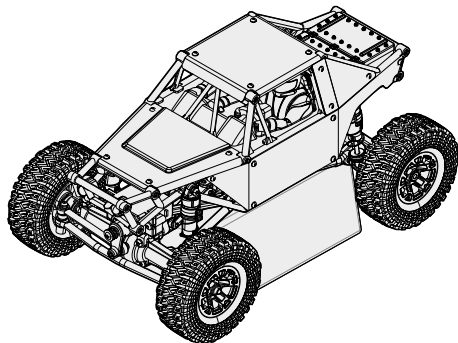


Caution

The fail safe can not completely protect your car.

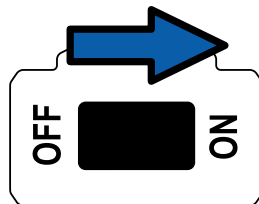
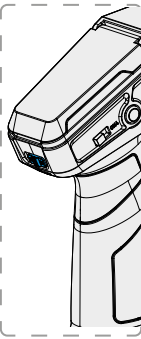
1

Set the car so that the wheels can turn, but it will not move, either by putting on a stand or turning upside down



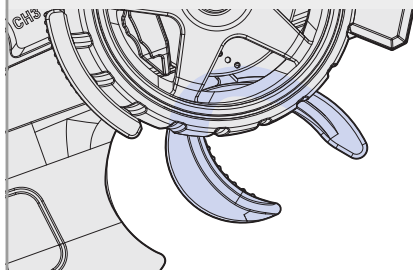
2

Turn on the transmitter, and then the car



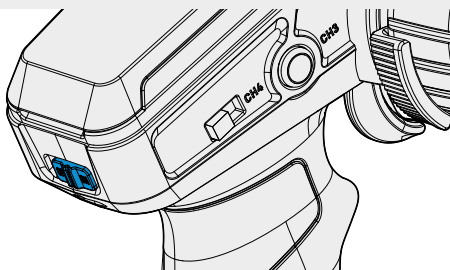
3

Move the throttle trigger to turn the car wheels (accelerate).



4

Whilst the car is running, turn off the transmitter. If the failsafe is working, the car's wheels should stop turning.



6 CHECKING RADIO RANGE

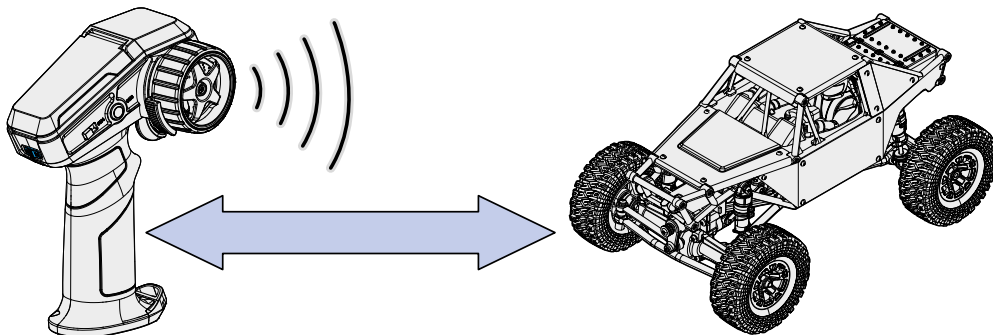
To check the radio range safely:

Ask a friend to hold the model securely while you walk to the farthest distance you plan to operate it. Use the transmitter controls to confirm that the model responds correctly.

If you notice any delay, loss of signal, or unusual behavior, do not operate the model until the issue is resolved.

Always switch on the transmitter first, then the model.

If the model is powered on before the transmitter, you may lose control.



Cautions

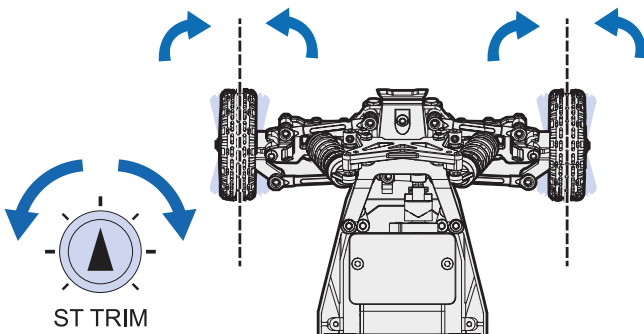
2.4GHz radio frequency only functions by line of sight, if you drive behind a solid object or around a corner and lose sight of the vehicle you may lose control of the RC car.

7 BASIC TROUBLESHOOTING

7-1 Steering Adjustments

7-1-1 Front Steering Trim Setup

Steering Trim: Trim adjustment allows you to finely tune the inputs from your transmitter. It's the dial you reach for when your RC car isn't tracking straight. The steering trim is what helps navigate the RC car in a straight line.



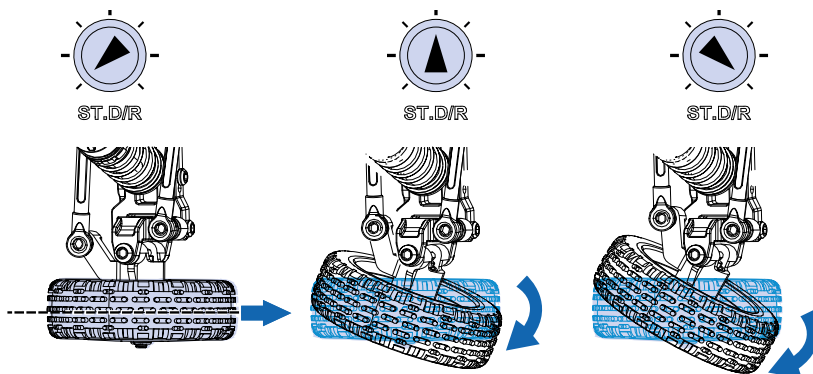
7-1-2 Steering Dual Rate Setup

The steering Dual Rate knob can be set to control the steering throw:

Turn the knob clockwise to increase the steering throw.

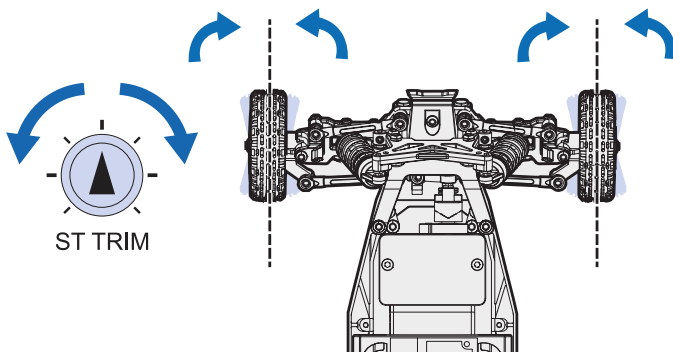
Turn the knob anticlockwise to reduce the steering throw.

The steering rudder amount is recommended to be controlled within 75% to avoid excessive steering resulting in friction between the front wheel and the car shell, and the appropriate steering range can better maintain the body attitude and control comfort.



7-1-3 Rear Steering Trim Setup (FLUX ONLY)

Steering Trim: Trim adjustment allows you to finely tune the inputs from your transmitter. It's the dial you reach for when your RC car isn't tracking straight. The steering trim is what helps navigate the RC car in a straight line.



7-1-4 Steering Reverse

If the vehicle turns right when you steer left and turns left when you steer right, flip the "Steering Reverse" switch.



7-2 Throttle Adjustments

7-2-1 Throttle Trim

The throttle trim adjusts the neutral (center) point of the electronic speed controller (ESC).

If your car creeps forward or backward when the throttle trigger is at neutral, you can use throttle trim to fine-tune it so the car stays still.



TH TRIM

Set TH Trim to center position for electric cars.

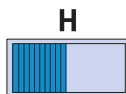
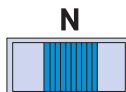
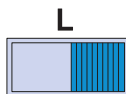
7-2-2 CH4: Throttle Rate Setup

The Throttle Speed Limiter allows you to set the maximum throttle output of your RC model.

There are three speed levels available:

1. **L: (Low Speed):** Recommended for beginners or crawling.
2. **N: Neutral.**
3. **H (High Speed):** Full power mode for experienced users or running on flat ground.

Start at a lower speed setting until you become comfortable with the handling of your model, then increase as your driving skills improve.



7-2-3 Throttle Reverse

If the vehicle goes backwards when you pull the trigger, flip this switch. If the vehicle goes forwards when you push the trigger, flip this switch.

TH.REV



8-1 Switching Off

IMPORTANT: Always power OFF the ESC/Receiver before the transmitter.

1. Switch off the vehicle's ESC/Receiver (short press ≤ 1 second) power and disconnect the battery.
2. Turn off the transmitter power
3. Remove the battery when not using the car. See section 1-3



Attention

Always power OFF the ESC/Receiver before the transmitter to prevent loss of control.



Caution

Disconnect the battery whenever the model is not in use.
If left connected, the vehicle may start unexpectedly or the battery may overheat and cause a fire.

8-2 Maintenance after driving

Regular maintenance is very important to keep your RC model in top condition.

After each run, clean the chassis and check all moving parts for any damage or wear.

If any parts are broken or worn out, repair or replace them before your next run.

Routine maintenance helps prevent damage and keeps your model performing reliably.

Completely remove any dirt or debris from the model, paying special attention to the suspension, drive shafts, and steering components.

Check that all screws and fasteners are tight and that no parts are missing or loose.

Use the schedule below as a general maintenance guide.

Interval	Maintenance Item
After every run	Clean chassis and suspension, remove dirt and debris.
Every 10 runs	Check wheels, tires, and bearings. Inspect gears and drive-train for wear.
Every 20 runs	Inspect and clean motor and pinion gears. Check differential and shock absorbers. Lubricate moving parts.
Occasionally	Check radio system, wiring, and connectors. Replace batteries if needed.



Tip

Perform maintenance more frequently if driving in dusty, wet, or sandy conditions.

Driving in wet conditions

This model is not designed to be used in wet conditions.

Troubleshooting

If R/C car does not move or you have no control, see below.

If you encounter any other fault whilst operating the vehicle please contact your local hobby shop.

Problem	Cause	Remedy
Does Not Move	Battery is not placed properly in the transmitter.	Place batteries in the transmitter properly.
	Weak or no batteries in transmitter or model.	Install charged or fresh batteries.
	Damaged motor.	Replace with new motor.
	ESC is shut down by heat protection circuit.	Stop driving immediately, do not drive the car until the Speed Controller cools down.
	Binding Setup is incorrect.	Make sure binding is setup properly.
The vehicle does not follow your driving inputs	Servo reverse switch is in the wrong position.	Check the reverse switch settings
	Wires from ESC to motor are improperly connected.	Connect wires from ESC to motor correctly
	Neutral position or trim is incorrect.	Adjust the steering trim.

FCC COMPLIANCE STATEMENT

This device transmits in the range 2.4 to 2.4835 GHz and has been tested to comply with the limits for a Part 15 Class B device 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. Any change or modification to the device not expressly approved by the manufacturer may void the user's authority to operate the equipment. 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.

Canada Compliance Statement:

This Class B digital apparatus complies with Canadian ICES-003. (Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.) This equipment complies with the FCC/IC radiation exposure limits set forth for FCC and Industry Canada portable transmitting devices operation in an uncontrolled environment. The equipment should only be used or installed at locations where there is normally at least a 20cm separation between the antenna and all persons. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CE Compliance statement

- En** The radio equipment type in this product transmits in the frequency range 2.4 to 2.4835 GHz with a maximum power of 18dBm and is in compliance with EU Directive 2014/53/EU. The full text of the Declaration of Conformity is available at www.hpiracing.com/ce
- De** Die Fernsteuerung in diesem Produkt überträgt in dem Frequenzbereich 2.4 bis 2.4835 GHz mit einer maximalen Stärke von 20dBm und sie ist in Übereinstimmung mit der EU Richtlinie 2014/53/EU. Der volle Text und die Erklärungen zur Konformität finden Sie unter www.hpiracing.com/ce
- Fr** Cet appareil transmet dans la gamme de fréquence de 2,4 à 2.4835 GHz avec une puissance de 20dBm et est conforme à la Directive UE 2014/53 / UE. Le texte intégral de la Déclaration de conformité est disponible sur www.hpiracing.com/ce
- Es** El tipo de equipo de radio en este producto transmite en el rango de frecuencia de 2.4 a 2.4835 GHz con una potencia máxima de 20dBm y cumple con la Directiva de la UE 2014/53/UE. El texto completo de la Declaración de conformidad está disponible en www.hpiracing.com/ce
- Fi** Tuotteen radiolähtetien toimii taajuusalueella 2,4–2,4835 GHz ja suurimmalla teholla 20 dBm, ja se on EU-direktiivin 2014/53/EU mukainen. Vaatimustenmukaisuusilmoituksen koko teksti: www.hpiracing.com/ce
- No** Radioutstyrstypen i dette produktet sender på frekvensområdet 2,4 til 2,4835 GHz med en maksimal effekt på 20 dBm og er i samsvar med EU-direktiv 2014/53/EU. Den fullstendige teksten til samsvarserklæringen er tilgjengelig på www.hpiracing.com/ce
- Da** Radioudstyret i dette produkt sender på frekvensområdet 2,4 til 2,4835 GHz med en maksimal effekt på 20 dBm og er i overensstemmelse med EU-direktiv 2014/53/EU. Den fulde overensstemmelseserklæring findes på www.hpiracing.com/ce
- Sv** Radioutrustningen i denna produkt sänder i frekvensområdet 2,4 till 2,4835 GHz med en maximal effekt på 20 dBm och uppfyller EU-direktiv 2014/53/EU. Den fullständiga försäkran om överensstämmelse finns på www.hpiracing.com/ce
- Pt** O tipo de equipamento de rádio neste produto transmite na faixa de frequência de 2.4 a 2.4835 GHz com uma potência máxima de 20dBm e está em conformidade com a Diretiva Europeia 2014/53/EU. O texto completo da Declaração de Conformidade está disponível em: www.hpiracing.com/ce
- It** Il tipo di equipaggiamento radio in questo prodotto trasmette nella gamma di frequenze 2.4 - 2.4835 GHz con una potenza massima di 20dBm e rispetta la Direttiva UE 2014/53/EU. Il testo completo della Dichiarazione di Conformità è disponibile su www.hpiracing.com/ce
- Tr** Bu ürünün radyo ekipmanı türü, 2.4 - 2.4835 GHz frekans aralığında maksimum 20dBm güçte yayın yapar ve AB Direktifi 2014/53/EU ile uyumludur. Uygunluk Beyanının tam metnine şu adresten ulaşabilirsiniz: www.hpiracing.com/ce
- Ro** Tipul echipamentului radio din acest produs transmite în intervalul de frecvențe 2.4 - 2.4835 GHz cu o putere maximă de 20dBm și respectă Directiva UE 2014/53/EU. Textul complet al Declarației de Conformitate este disponibil pe www.hpiracing.com/ce
- Pl** Sprzęt radiowy w tym produkcie działa w paśmie częstotliwości 2,4 do 2,4835 GHz z maksymalną mocą 20 dBm i spełnia wymogi dyrektywy UE 2014/53/EU. Pełna treść Deklaracji Zgodności dostępna jest na stronie: www.hpiracing.com/ce
- Cs** Rádiové zařízení v tomto produktu vysílá v pásmu 2,4 až 2,4835 GHz s maximálním výkonem 20 dBm a je v souladu se směrnicí EU 2014/53/EU. Plné znění Prohlášení o shodě je k dispozici na stránce: www.hpiracing.com/ce

MVK

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