

TRX4 SPORT

MODEL 82224-4



TRAXXAS®

QUICK START GUIDE



FIRE HAZARD! Charging and discharging batteries has the potential for fire, explosion, serious injury, and property damage if not performed per the instructions. Before use, read and follow all manufacturer's instructions, warnings, and precautions. Lithium Polymer (LiPo) batteries pose a SEVERE risk of fire if not properly handled per the instructions and require special care and handling procedures for long life and safe operation. LiPo batteries are intended only for advanced users that are educated on the risks associated with LiPo battery use. Traxxas does not recommend that anyone under the age of 18 use or handle LiPo batteries without the supervision of a knowledgeable and responsible adult. ONLY use a Traxxas iD® charger to charge Traxxas iD batteries. DO NOT use a non-Traxxas charger. DO NOT use a legacy non-iD Traxxas charger with iD batteries. Traxxas iD connectors are mechanically keyed to help prevent incompatible connections. DO NOT modify or change the battery connector. DO NOT use an adapter of any kind. Using an adapter defeats iD system safety protocols and may cause fire, personal injury, and/or property damage.

Important Warnings for users of Lithium Polymer (LiPo) batteries:

- LiPo batteries have a minimum safe discharge voltage threshold that should not be exceeded. The electronic speed control is equipped with built-in Low-Voltage Detection that alerts the driver when LiPo batteries have reached their minimum voltage (discharge) threshold. Stop immediately to prevent the battery from being discharged below its safe minimum threshold.
- Low-Voltage Detection is just one part of a comprehensive plan for safe LiPo battery use. It is critical to follow all instructions for safe and proper charging, use, and storage of LiPo batteries. Make sure you understand how to use your LiPo batteries. If you have questions about LiPo battery usage, please consult your local Traxxas hobby dealer or contact Traxxas Customer Support.
- DO NOT use NiMH or NiCad chargers or charge modes to charge LiPo batteries. The use of a NiMH or NiCad charger or charge mode will damage LiPo batteries and may cause fire, personal injury, and/or property damage.
- DO NOT charge LiPo batteries in series or parallel.

Charging and handling precautions for all battery types:

- ALWAYS confirm that the charger settings exactly match the type (chemistry), specification, and configuration of the battery to be charged. DO NOT exceed the maximum manufacturer recommended charge rate.
- ALWAYS inspect your batteries carefully before charging. Look for any loose leads or connectors, damaged wire insulation, damaged cell packaging, impact damage, fluid leaks, swelling (a sign of internal damage), cell deformity, missing labels, or any other damage or irregularity. If any of these conditions are observed, do not charge or use the battery. Follow the disposal instructions included with your battery to properly and safely dispose of the battery.
- DO NOT attempt to charge batteries that have an internal charge circuit or a protection circuit, batteries that have been altered from original

WARNING! CAUTION! DANGER!



manufacturer configuration, or batteries that have missing or unreadable labels, preventing you from properly identifying the battery type and specifications.

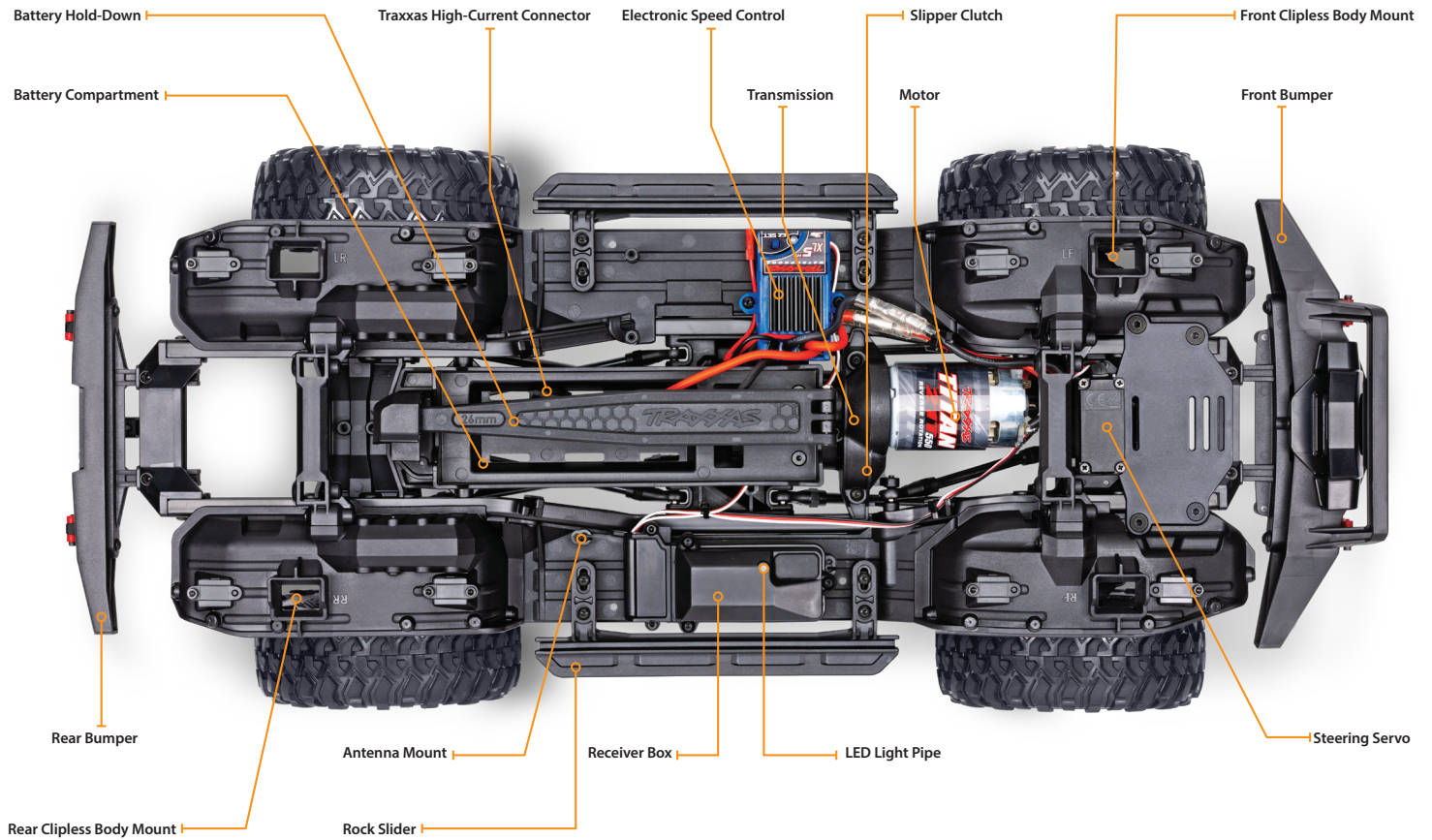
- DO NOT let any exposed battery contacts or wires touch. This will cause the battery to short circuit and create the risk of fire.
- ALWAYS place the battery on a non-flammable surface while charging or discharging. DO NOT charge batteries on wood, cloth, carpet, or on any other flammable material.
- ALWAYS charge batteries in a well-ventilated area.
- ALWAYS remove flammable items and combustible materials from the charging area.
- DO NOT operate the charger in a cluttered space, or place objects on top of the charger or battery.
- DO NOT leave the charger and battery unattended while charging, discharging, or anytime the charger is ON with a battery connected. If there are any signs of a malfunction or in the event of an emergency, unplug the charger from the power source and disconnect the battery from the charger.
- DO NOT charge batteries inside of an automobile while parked or driving.
- ALWAYS keep a Class D fire extinguisher nearby in case of fire.
- DO NOT disassemble, crush, short circuit, or expose the batteries to flame or other source of ignition. Toxic materials could be released. If eye or skin contact occurs, flush with water.
- If the battery temperature exceeds 110°F / 43°C during the charging process, IMMEDIATELY disconnect the battery from the charger and discontinue charging.
- The battery may become warm during use. Allow the battery to cool off between runs before charging.
- ALWAYS disconnect the battery from the charger when not in use.
- ALWAYS disconnect the battery from the electronic speed control when the model is not in use.
- DO NOT disassemble the charger.
- ALWAYS remove the battery from your model or device before charging.
- DO NOT expose the charger to water or moisture.
- ALWAYS store batteries safely out of the reach of children or pets. Children should ALWAYS have knowledgeable and responsible adult supervision when charging and handling batteries.
- DO NOT store large quantities of batteries together.
- ALWAYS store and transport your batter(ies) in a cool dry place. DO NOT store in direct sunlight. DO NOT allow the storage temperature to exceed 140°F or 60°C, such as in the trunk of a car, or the cells may be damaged and create a fire risk.
- ALWAYS proceed with caution and use good common sense at all times.
- Never, under any circumstances, operate the model in crowds of people. Your model is very fast and could cause injury if allowed to collide with anyone.
- Because your model is controlled by radio, it is subject to radio interference from many sources that are beyond your control. Since radio interference can cause momentary losses of radio control, always allow a safety margin in all directions around the model in order to prevent collisions.
- The motor, battery, charger, and speed control can become hot during use. Be careful to avoid getting burned.
- Do not operate your model at night, or anytime your line of sight to the model may be obstructed or impaired in any way.

All of us at Traxxas want you to safely enjoy your new model. Operate your model sensibly and with care, and it will be exciting, safe, and fun for you and those around you. Failure to operate your model in a safe and responsible manner may result in property damage and serious injury. The precautions and instructions provided or available for this product(s) should be strictly followed to help ensure safe operation. You alone must see that the instructions are followed and the precautions are adhered to.

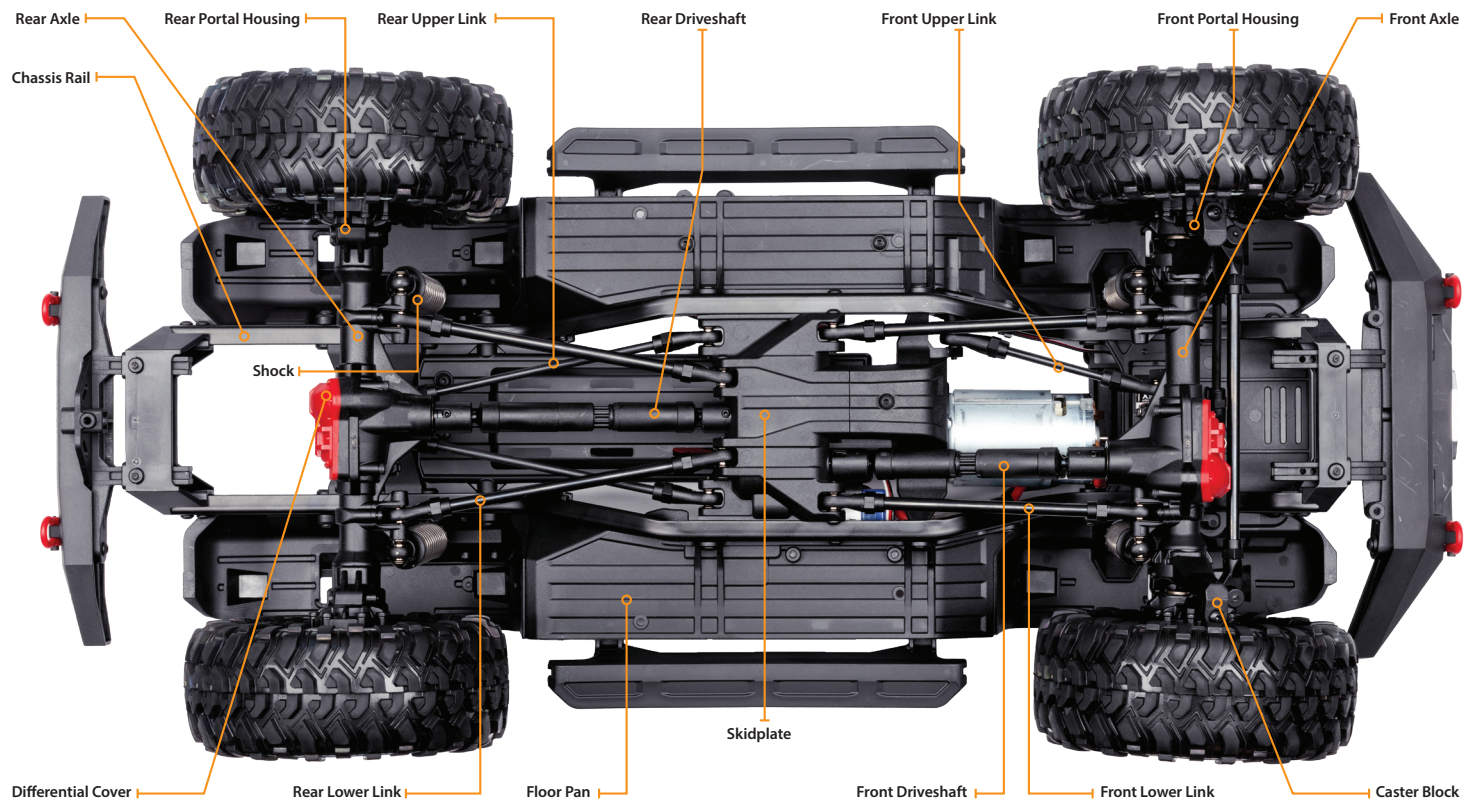
Important Points to Remember

- Your model is not intended for use on public roads or congested areas where its operation can conflict with or disrupt pedestrian or vehicular traffic.

Chassis Top View



Chassis Bottom View



QUICK START GUIDE

Supplied Tools and Equipment



2.0mm "T" wrench



2.5mm "L" wrench



1.5mm "L" wrench



4-way wrench

Required Equipment (not included)



6 or 7-cell NiMH battery pack, or 2s or 3s LiPo battery pack, with Traxxas High-Current connector*
Traxxas Power Cell LiPo iD* batteries are strongly recommended for maximum performance and safer charging

EZ-Peak™ Plus
(part #2970)



USB-C 4-amp NiMH/LiPo
Balance Charger
(part #2985)



Battery charger*

Traxxas recommends you choose a genuine Traxxas EZ-Peak® iD charger for safer charging, maximum battery life, and performance



4 AA alkaline batteries

The following guide is an overview of the procedures for getting your model running. The complete manual for your model can be viewed and downloaded by following the link on the cover of this Quick Start Guide or by scanning the QR code. Please read the entire manual for complete instructions on the proper use and maintenance of your model.

Read All Warnings and Safety Precautions

For your own safety, understand where carelessness and misuse could lead to personal injury and property damage.

Prepare Your Model

Selecting a charger and batteries for your model

Your model does not include a battery or charger. The speed control in the model is compatible with both LiPo and NiMH batteries. One NiMH or 2s/3s LiPo battery equipped with a Traxxas iD® High-Current Connector is required. Traxxas Power Cell iD batteries are strongly recommended for maximum performance and safer charging. The following chart lists all the available Power Cell batteries for your model:

LiPo Batteries with iD

2849X 4000mAh 11.1V 3-Cell 25C LiPo iD Battery

2872X 5000mAh 11.1V 3-Cell 25C LiPo iD Battery

2843X 5800mAh 7.4V 2-Cell 25C LiPo iD Battery

2869X 7600mAh 7.4V 2-Cell 25C LiPo iD Battery

NiMH Batteries with iD

2923X Battery, Power Cell iD, 3000mAh (NiMH, 7-C flat, 8.4V)

2940X Battery, Series 3 Power Cell iD, 3300mAh (NiMH, 7-C flat, 8.4V)

2950X Battery, Series 4 Power Cell iD, 4200mAh (NiMH, 7-C flat, 8.4V)

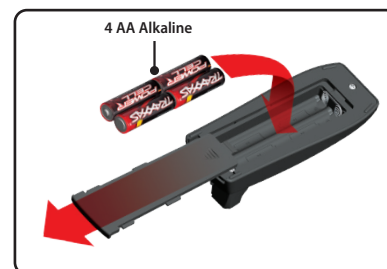
2960X Battery, Series 5 Power Cell iD, 5000mAh (NiMH, 7-C flat, 8.4V)

Make certain you choose the correct type of charger for the batteries you select. Traxxas recommends you choose a genuine Traxxas EZ-Peak iD charger for safer charging and maximum battery life and performance.

Charger AC Powered	Part No.	NiMH Compatible	LiPo Compatible	Battery iD	Max. Cells
EZ-Peak Plus, 4 amps	2970	YES	YES	YES	3s
EZ-Peak Live, 12 amps	2971	YES	YES	YES	4s
EZ-Peak Dual, 8 amps	2972	YES	YES	YES	3s
EZ-Peak Live Dual, 26 amps	2973	YES	YES	YES	4s
EZ-Peak Plus 4s, 8 amps	2981	YES	YES	YES	4s

Charger USB-C Powered	Part No.	NiMH Compatible	LiPo Compatible	Battery iD	Max Cells
USB-C Balance Charger, 4 amps	2985	YES	YES	YES	3s

Install batteries in the transmitter



WARNING: FIRE HAZARD!

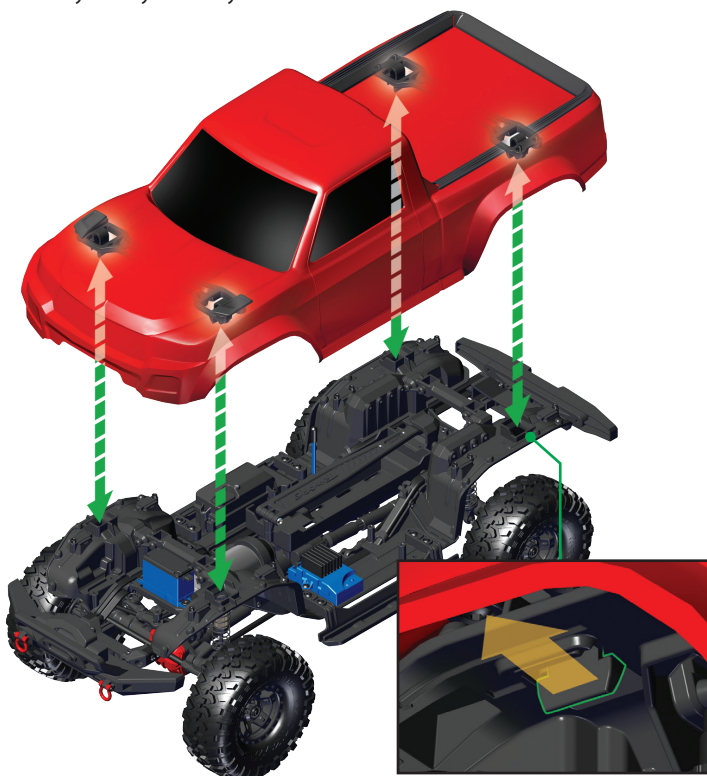
Users of Lithium Polymer (LiPo) batteries must read the Warnings and Precautions beginning on page 2. You MUST use a LiPo balance charger for LiPo batteries or battery damage with the potential for fire will result.

Installing the body

Your TRX-4 Sport includes an innovative latching system (patent pending) for securing the body to the chassis (body clips are not required).

To remove the body for chassis access:

1. Reach beneath the front and rear inner fenders and pull the latches toward the outside of the truck body to release them.
2. Push up on the latches to fully disengage the latches from the inner fenders.
3. Lift the body straight up from the chassis. Lift the front and rear of the body evenly or it may become difficult to remove.



To reinstall the body:

1. Position the body on the chassis. Align the left and right sides with the rock sliders and the front and rear of the body with the bumpers.



2. Press down on the body at each latch location until the latches snap into place.

Note: To keep the clipless system functioning properly, periodically inspect and clean the latches in the body and the slots on the inner fenders. If dirt and grime accumulate on these components, the clipless system will not operate smoothly.

Install battery packs in the model

Install the battery pack with the battery wires facing the rear of the model. Swing the battery hold down towards the chassis and snap (lock) the end into the front hold-down retainer.

Note: The battery hold down can be rotated on its pivot to accommodate different height battery packs.



Compatible batteries:

- 6- and 7-cell NiMH
- 2- and 3-cell LiPo

ATTENTION: USERS OF NIMH BATTERIES

Your model comes from the factory with Low-Voltage Detection activated. Low-Voltage Detection is only for use with LiPo batteries. To disable Low-Voltage Detection, refer to the EZ-Set Tips card attached to your model, or see the "Electronic Speed Control Adjustments" section of this guide.

Turning on Your Model

Turn on the transmitter

Always turn the transmitter on first, before turning on the model. The transmitter's LED will glow.

Plug the battery into the speed control

Align the + and - markings. Make certain the battery plug is completely inserted.

Turn on the model

Press and release the EZ-Set button on the speed control. Do not hold the button down. The speed control's LED will glow.



Before Operating Your Model

Check servo operation

Confirm the model's wheels turn right and left when the transmitter steering wheel is turned right and left. The front wheels should be pointing straight ahead. If they are turned slightly, slowly adjust the steering trim control on the transmitter until they are pointing straight ahead.

Range test the radio system

With a friend's help, check servo operation at the farthest distance you plan to drive the model and confirm that there is no radio interference.

Operating Your Model



Note: After stopping the model, return the transmitter's trigger to neutral and push up again to activate reverse throttle.

! Avoid running your model in tall grass or soft sand. These will strain the power system. If the model becomes stuck, do not apply throttle. Free the model before operating it.

i The TQ 2.4GHz transmitter has a directional antenna. For maximum range, hold the transmitter upright and pointed in the direction of the model. Pointing the transmitter away from the model will reduce radio range.

Transmitter Adjustments



Steering Trim

Slowly turn the steering trim knob to precisely set the steering neutral point. To adjust, drive the vehicle forward slowly while “steering” with the trim knob until the vehicle travels in a straight line with no steering input.

Electronic Speed Control Adjustments

ATTENTION: USING LiPo BATTERIES

When you turn your model on, the speed control's status LED is green, indicating that **Low-Voltage Detection** is activated to prevent over-discharging of LiPo batteries. LiPo batteries are intended only for the most advanced users that are educated on the risks associated with LiPo battery use.

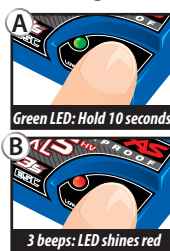


WARNING: FIRE HAZARD!

Do not use LiPo batteries in this vehicle with Low-Voltage Detection disabled.

For NiMH battery users, follow these steps to disable Low-Voltage Detection:

1. Turn the model on. Make sure the LED on the speed control is on and green.
2. Press and hold the EZ-Set button for ten seconds. The LED will turn off and then light red, and the motor will beep three times. Release the button.
3. Low-Voltage Detection is now DISABLED.



Selecting a Throttle Mode:

SPORT, RACE, TRAINING, TRAIL, or CRAWL

1. Connect fully charged batteries to the model and turn on your transmitter.
2. With the model off, press and hold the EZ-Set button until the LED turns solid green, then solid red, and then begins blinking red. It will blink once, then twice, then three times, then four times, then five times, and then repeat.

One blink = Sport Mode is the default setting. It allows full forward and reverse throttle.

Two blinks = Race Mode removes reverse throttle in case your track does not allow it.

Three blinks = Training Mode will slow the model down by 50% for young or inexperienced drivers.

Four blinks = Trail Mode is similar to Sport Mode, but with added drag brake when the throttle trigger is at neutral. This is the default setting for the TRX-4 and provides a good balance of smooth driving and additional drag brake for descending hills.

Five blinks = Crawl Mode allows 100% brake (hill hold) with immediate reverse when the throttle is at neutral. This setting is best suited for technical courses where very precise movements are required.

3. Release the EZ-Set button after the number of blinks for the mode you wish to select. **Note:** If you missed the mode you wanted, keep the EZ-Set button pressed down and the blink cycle will repeat.
4. The LED will blink and then turn solid green (Low-Voltage Detection ACTIVE) or red (Low-Voltage Detection DISABLED). The model is now ready to drive in the mode you have selected.

LED Codes and Protection Modes

- **Slow Blinking Red:** Low battery voltage. If you see this code because a NiMH battery was connected to an ESC with Low-Voltage Detection turned on, then follow the calibration steps below to release the code and change the ESC to NiMH mode.
- **Fast Blinking Red and Green:** Overvoltage. This code can appear when a fully charged NiMH battery is connected to the ESC with Low-Voltage Detection turned on. Follow the calibration steps below to release the code and change the ESC to NiMH mode.



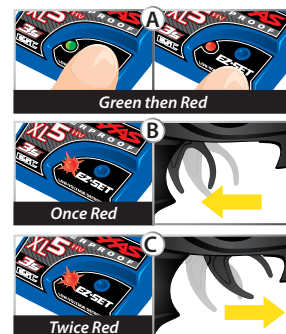
- **Fast Blinking Red:** Overtemp. Allow the ESC to cool before continuing. The ESC can get too hot in situations such as climbing and crawling in high gear, which increases load on the system. Use low gear for climbing and crawling.



Calibrating the Speed Control

The speed control is calibrated at the factory. Follow these steps if you need to re-calibrate it (set the neutral position):

1. Connect fully charged batteries to the model.
2. Turn on the transmitter (with the throttle at neutral).
3. Press and hold the EZ-Set button (A). The LED will first turn green and then red. Release the EZ-Set button.
4. When the LED blinks RED ONCE, pull the throttle trigger to the full throttle position and hold it there (B).
5. When the LED blinks RED TWICE, push the throttle trigger to the full reverse and hold it there (C).



Note: If you are calibrating to clear an error code on the ESC, then skip step 6 and proceed to step 7.

6. When the LED blinks GREEN ONCE, programming is complete. The LED will then shine green or red (depending on Low-Voltage Detection setting).
7. When the LED blinks GREEN ONCE, continue holding the trigger in the reverse position and also press and hold the button on the ESC for about 10 seconds until the ESC beeps. This places the ESC in NiMH mode and clears any error codes.

Running in Wet Conditions

Your Traxxas model is fully waterproof with innovative features to protect the electronics in the model (receiver, servos, electronic speed control). Though fully waterproof, the model should not be treated as though it is 100% submersible. Waterproof applies only to the installed electronic components. Running in wet conditions requires additional care and maintenance to prevent corrosion and maintain proper function. Periodically inspect the integrity of the o-ring seal and the wire clamp of the receiver box. Cover the breather holes in all tires (including the spare) with adhesive tape to prevent possible damage to the foam inserts. Download the complete manual for full precautions and maintenance requirements. Read and understand all precautions before operating your model in wet conditions. The complete manual for your model can be viewed and downloaded by following the link on the cover of this manual, or by scanning the QR code.

After You Run Your Model

Turn the model off

Press and release the EZ-Set button on the speed control. Do not hold the button down. The speed control's LED will go out.

Unplug the battery and remove it from the model

Do not store the model with the battery installed.

Turn the transmitter off

Always turn the transmitter off last, after the model has been turned off.

