TRAXXAS EZ-Peak DUAL

NiMH/LiPO DUAL CHARGER INSTRUCTIONS

Covers Part #2972

Thank you for purchasing the Traxxas EZ-Peak Dual charger. This charger features exclusive Traxxas innovations that make charging batteries easier and safer than ever. If you have any questions or concerns about your charger, please contact our customer support team for fast, friendly answers and solutions. Contact information is at the bottom of this page.

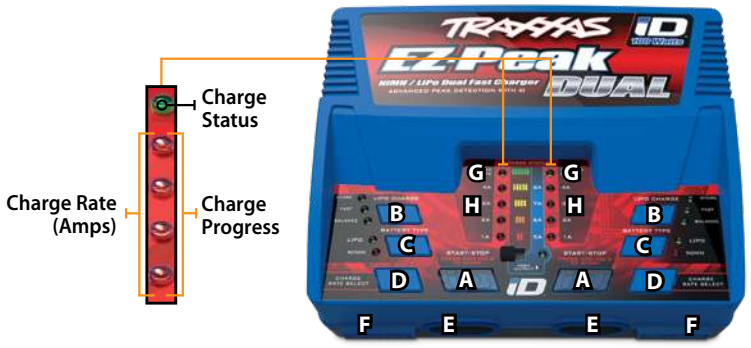
WARNING! For best charging results and your safety, it is essential that you read and understand these instructions, warnings, and precautions before using the charger. Charging and discharging batteries has the potential for serious injury and damage to property. Use care when charging and follow all instructions and cautions.

Identifying iD Batteries

LiPo battery shown, NiMH battery similar



Traxxas High-Current Connector | Battery Type | iD Logo



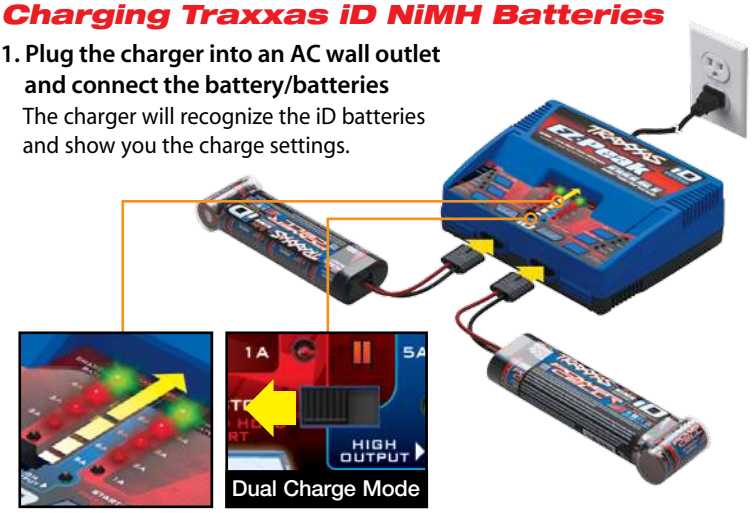
A. Start/Stop
B. LiPo Charge Mode Select
C. Battery Type Select
D. Charge Rate Select
E. Charger Output Ports (Traxxas High-Current Connector)*
F. 2S/3S Lipo Balance Ports (pull to remove cover)
G. Charge Status LEDs
H. Charge Progress/ Charge Rate LEDs

***Note:** **Either charger output port can be used independently or both ports can be used simultaneously to charge. Use the buttons corresponding with the chosen port(s) to operate the charger.**

Charging Traxxas iD NiMH Batteries

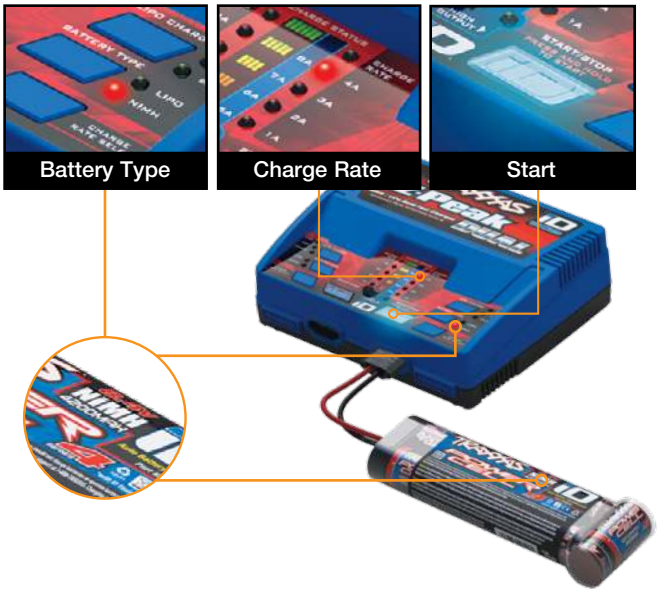
1. Plug the charger into an AC wall outlet and connect the battery/batteries

The charger will recognize the iD batteries and show you the charge settings.



2. Verify the charge settings

Battery type selected must match the battery type shown on the battery.

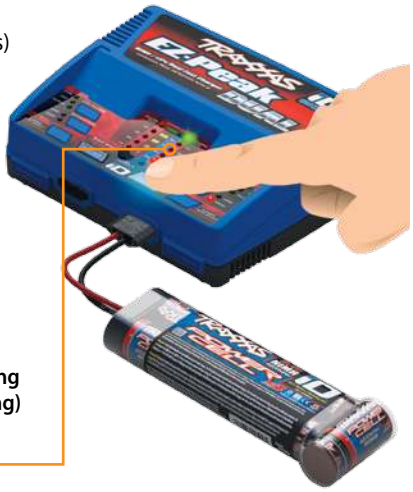


3. Charging

Press and hold the Start button(s) for 1 second. The charger will play a tone, indicating that charging has started. Press once to stop. The charger will play a tone, indicating that charging has been canceled. The charge progress LEDs will light as the battery charges.



Charging (flashing)



4. Charge cycle complete

The charger will play a complete tone, followed by one or two beeps to indicate channel 1 (left) or channel 2 (right) charging is complete.

The EZ Peak Dual will trickle charge your NiMH battery at up to 200mA for 12 hours after the charge cycle is complete.



Cycle Complete (solid)



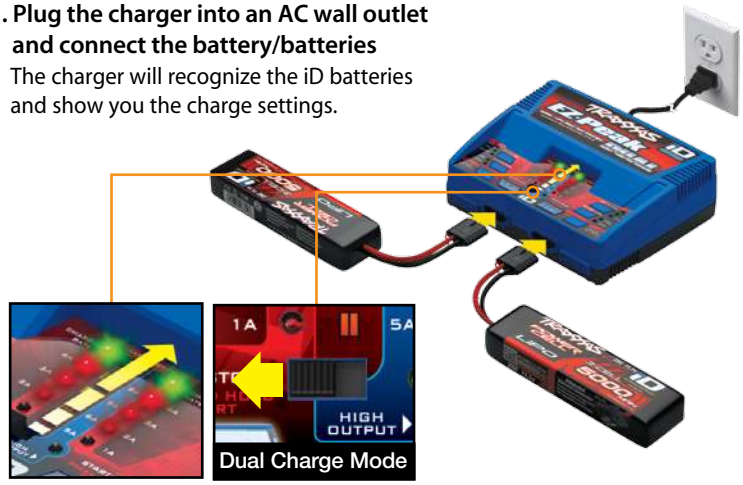
Traxxas, 6200 Traxxas Way, McKinney, TX 75070, Phone: 1-888-TRAXXAS (Toll-free, US only) or 972-549-3000, Fax: 972-549-3011, e-mail: support@Traxxas.com

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Charging Traxxas iD LiPo Batteries

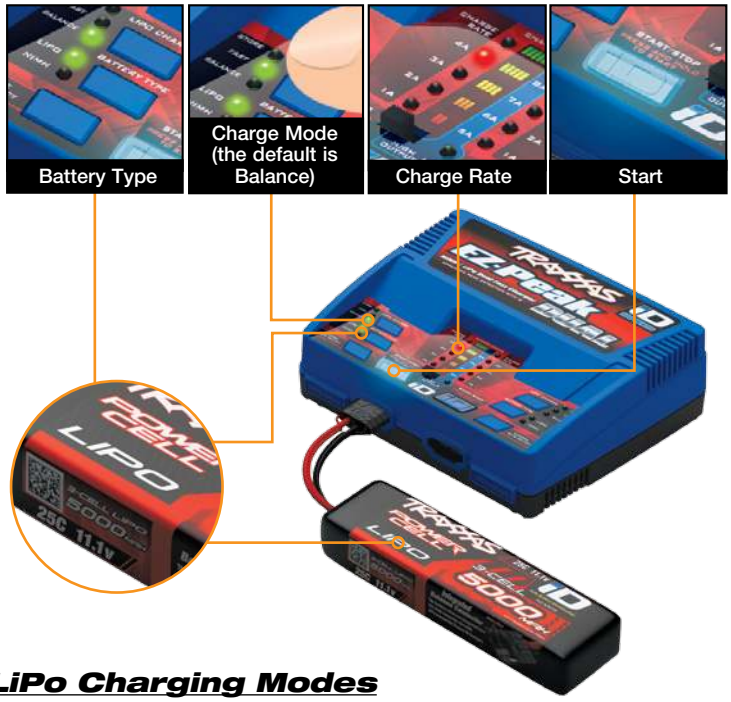
1. Plug the charger into an AC wall outlet and connect the battery/batteries

The charger will recognize the iD batteries and show you the charge settings.



2. Verify the charge settings

Battery type selected must match the battery type shown on the battery.



LiPo Charging Modes

Change your LiPo charging mode if desired.
The default setting for iD LiPo batteries is Balance Charge.



Storage charge

Makes it easy to charge or discharge batteries to the proper storage voltage. Use this mode whenever batteries will be stored unused for more than 7 days.

Fast charge

Fast charges batteries without balancing your cells. Stops charging when the first cell reaches peak voltage. Depending on the condition of the batteries, this may reduce the charge time by a few minutes.

Balance charge

Always balance charge your LiPo batteries for maximum capacity, voltage, and battery life. This is the default setting for Traxxas iD batteries. The EZ-Peak Dual performs a balance charge quickly and efficiently.

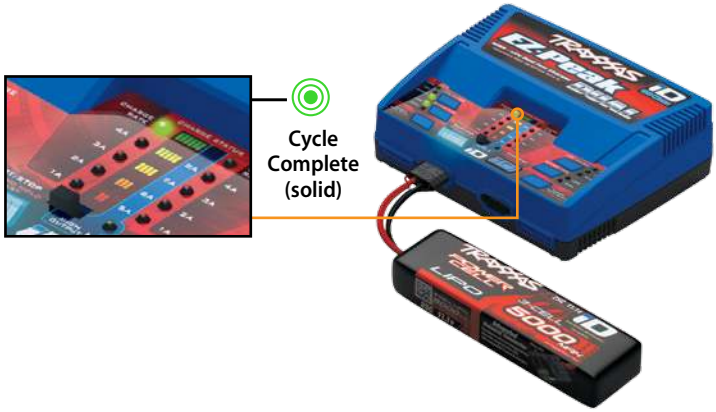
3. Charging

Press and hold the Start button(s) for 1 second. The charger will play a tone, indicating that charging has started. Press once to stop. The charger will play a tone, indicating that charging has been canceled. The charge progress LEDs will light as the battery charges.



4. Charge cycle complete

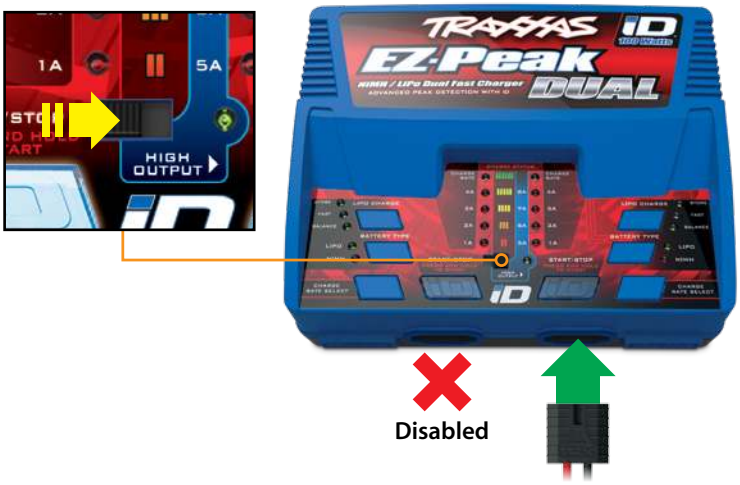
The charger will play a complete tone, followed by one or two beeps to indicate channel 1 (left) or channel 2 (right) charging is complete.



Charging Traxxas iD Batteries in High Output Mode

High Output Mode allows you to charge high capacity batteries at a faster charge rate. Use the high output channel to charge your 5000 mAh NiMH batteries at 5 amps and your 4000 mAh and larger LiPo batteries at a "2C" charge rate (2C is 2 times the capacity; 4000 mAh x 2 = 8000 or 8 amps). Only one Traxxas battery at a time can be charged in High Output Mode using the output port on the right side of the charger (the left side of the charger is disabled). Move the switch to High Output, and follow steps 1-4 for Traxxas iD battery charging.

Note: The 5A LED will light to indicate the charge rate setting for Traxxas Power Cell batteries requiring a charge current of 5 amps or less.



Charging Traxxas Batteries without iD in Advanced Mode

Advanced Mode offers full manual control for users that have an in-depth knowledge of battery types (chemistry) and battery charging techniques. Advanced mode also allows you to adjust the charge rate (current) for Traxxas iD batteries. If you do not understand the differences in various battery types or what charge rates should be used, then do not use Advanced Mode. Use the Traxxas Battery iD System instead for safe, easy, and fast charging. **High Output Mode** (see above) can also be used while charging batteries in **Advanced Mode**.

WARNING: When the charger is switched to High Output Mode, the charge rate selection begins at 5 amps and goes up to 8 amps. Make sure you do not exceed the maximum charge rate recommended by your battery manufacturer. If you are unsure about the maximum charge rate for your battery, then do not attempt to charge the battery in Advanced Mode. Contact Traxxas or your local hobby dealer for more information.

1. Connect the main connector and the balance connector to the charger (pull to remove balance port cover)

When batteries are connected for charging that do not have Traxxas Battery iD, the red charge rate/progress LEDs will sweep in a scanning motion. Advanced Mode must be used for manual battery type and charge rate selection. The Start button will not light blue when there is no Traxxas Battery iD present.





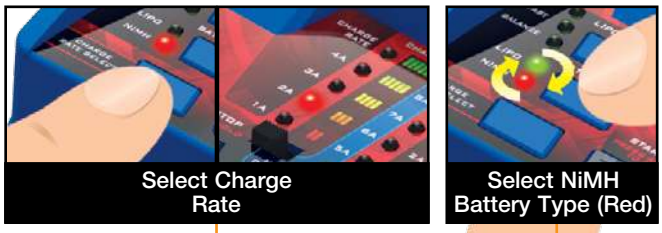


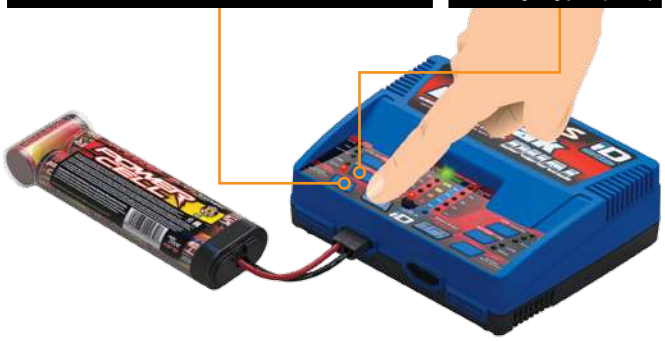
2. Enter Advanced Mode:
Simultaneously press and hold the Start button and the Charge Rate Select button for 2 seconds. The charger will play a short tone.



WARNING: DO NOT attempt to charge LiPo batteries with missing or damaged balance connectors. The EZ-Peak Dual will default to LiPo mode charging when a balance plug connection is detected. If you fail to plug in the balance connector, or attempt to charge a LiPo battery with a damaged or missing balance connector, you create the risk of accidentally selecting to charge a LiPo battery in NiMH mode, resulting in fire and possible injury to yourself and others. Always make sure to select the battery type that matches the connected battery. **If you do not understand what this warning means, do not attempt to use Advanced Mode on the EZ-Peak Dual. Contact Traxxas for more information.**

3a. Charging a NiMH battery or batteries



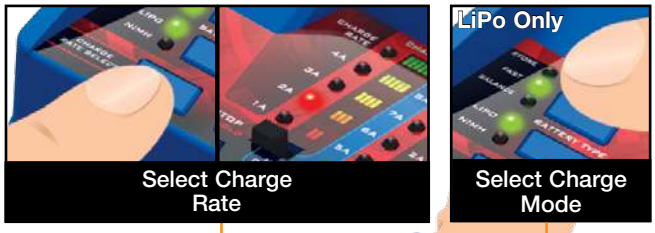


Press and hold the Start button(s) for 1 second. The charger will play a tone, indicating that charging has started. Press once to stop. The charger will play a tone, indicating that charging has been canceled. The charge progress LEDs will light as the battery charges.

Charge cycle progresses as shown in steps 3 and 4 for iD NiMH charging.

3b. Charging a LiPo battery or batteries

LiPo mode should be selected by default (green LEDs). If the LiPo and NiMH LEDs alternately blink, then the balance connector is either disconnected or damaged. Do not attempt to charge this LiPo battery.





Press and hold the Start button(s) for 1 second. The charger will play a tone, indicating that charging has started. Press once to stop. The charger will play a tone, indicating that charging has been canceled. The charge progress LEDs will light as the battery charges.

Charge cycle progresses as shown in steps 3 and 4 for iD LiPo charging.

WARNING! CAUTION! DANGER!

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. NEVER ALLOW CHILDREN UNDER THE AGE OF 14 TO CHARGE OR USE LIPO BATTERIES WITHOUT THE SUPERVISION OF A RESPONSIBLE, KNOWLEDGEABLE ADULT.

Important warnings for users of Lithium Polymer (LiPo) batteries

Lithium Polymer (LiPo) batteries are significantly more volatile than other rechargeable batteries.

- ONLY use a Lithium Polymer (LiPo) balance charger with a balance adapter port or connector to charge LiPo batteries. Never use NiMH or NiCD-type chargers or charge modes to charge LiPo batteries. DO NOT charge with a NiMH-only charger. The use of a NiMH or NiCD charger or charge mode will damage the batteries and may cause fire and personal injury.
- Never charge LiPo battery packs in series or parallel. Charging packs in series or parallel may result in improper charger cell recognition and an improper charging rate that may lead to overcharging, cell imbalance, cell damage, and fire.
- ALWAYS inspect your LiPo 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 the above conditions are observed, do not charge or use the battery pack. Follow the disposal instructions included with your battery to properly and safely dispose of the battery.
- DO NOT store or charge LiPo batteries with or around other batteries or battery packs of any type, including other LiPos.
- Store and transport your LiPo batteries in a cool dry place. Do not store in direct sunlight. Do not allow the storage temperature to exceed 140°F or 60°C or the cells may be damaged and create a fire risk.
- DO NOT disassemble LiPo batteries or cells.
- DO NOT attempt to build your own LiPo battery pack from loose cells.
- ALWAYS proceed with caution and use good common sense at all times.
- DO NOT over discharge LiPo batteries. LiPo batteries have a minimum safe discharge voltage threshold that should not be exceeded.
- Store LiPo batteries with at 50% charge (Storage Mode on Traxxas iD chargers).

Charging and handling precautions for all battery types:

- ALWAYS proceed with caution and use good common sense at all times.
- Charge only NiMH packs or 2S–3S LiPo battery packs.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children require adult supervision while using this charger.
- DO NOT let any exposed battery contacts or wires touch each other. This will cause the battery to short circuit and create the risk of fire.
- While charging, ALWAYS place the battery in a fire retardant/fire proof container and on a non-flammable surface such as concrete.
- DO NOT operate the charger inside of an automobile.
- NEVER charge batteries on wood, cloth, carpet or on any other flammable material.
- ALWAYS charge batteries in a well-ventilated area.
- 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.
- If any battery or battery cell is damaged in any way, do NOT charge, discharge, or use the battery.
- Keep a Class D fire extinguisher nearby in case of fire.
- BEFORE you charge, ALWAYS confirm that the charger settings exactly match the type (chemistry), specification, and configuration of the battery to be charged.
- DO NOT exceed the battery manufacturer's maximum recommended charge rate.
- DO NOT disassemble, crush, short circuit, or expose the batteries or cells to flame or any other source of ignition.
- If a battery gets hot to the touch during the charging process, disconnect the battery from the charger and discontinue charging immediately.
- DO NOT leave the charger and battery unattended while charging, discharging, or any time that 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.
- ALWAYS unplug the charger and disconnect the battery when not in use.
- DO NOT disassemble the charger.
- REMOVE the battery from your model or device before charging.
- DO NOT expose the charger to water or moisture.
- ALWAYS store battery packs safely out of the reach of children and pets.
- DO NOT charge batteries under ANY of the following conditions:
  - Batteries that are hot to the touch.
  - Batteries that are not expressly stated by the manufacture to be suitable to accept the power output (voltage and amperage) the charger delivers during the charging process.
  - Batteries that are damaged or defective in any way. Examples of damage or defects include, but are not limited to, batteries with dented cells, damaged or frayed wires, loose connections, fluid leaks, corrosion, plugged vents, swelling, cell deformity, impact damage, missing labels, melted components, or any other signs of damage.
  - Battery packs that have been altered from original manufacturer configuration.
  - Non-rechargeable batteries (explosion hazard).

Charger Error Codes

If the charger detects an error during the charge process, the charge status LEDs will flash an error code.

Error Code	Explanation	Solution
● ○ ○ ○	The detected battery type does not match the charger configuration.	a. Press the Battery iD Start/Stop button to return to charger configuration. b. Verify that the battery matches the selected type (LiPo or NiMH). c. Verify that the balance connector is plugged into the charger (if charging a legacy LiPo battery). d. Inspect the battery for any signs of damage.
○ ● ○ ○	The battery or cell voltage is too high or too low to charge safely.	a. Verify that the balance connector is plugged into the charger (if charging a legacy LiPo battery). b. Disconnect the battery and check its condition. Ensure it is within safe voltage levels.
○ ○ ● ○	The charge cycle timed out without reaching the target battery voltage.	Disconnect the battery and check its condition. Verify charge rate setting.
○ ○ ○ ●	The Traxxas battery iD is detected but is not readable by the charger.	Contact Traxxas Customer Support.
● ● ● ○	The internal charger temperature is too high.	Power off the charger and allow it to cool before attempting to charge the battery again.
● ○ ○ ●	Abnormal power supply voltage detected.	Inspect the power cord and power source. Power cycle is required to clear the error.

Warranty Information

Traxxas electronic components are warranted to be free from defects in materials and workmanship for a period of 30 days from the date of purchase.

Limitations: Any and all warranty coverage does not cover replacement of parts and components damaged by abuse, neglect, improper or unreasonable use, crash damage, water or excessive moisture, chemical damage, improper or infrequent maintenance, accident, unauthorized alteration or modification or items that are considered consumable. Traxxas will not pay for the cost of shipping or transportation of a defective component to us. This warranty is limited to the charger only and does not cover batteries, vehicles and other accessories used in conjunction with the charger.

Traxxas Lifetime Electronics Warranty

After the expiration date of the warranty period, Traxxas will repair electronic components for a flat rate. Please visit Traxxas.com/support for a current schedule of warranty costs and fees. The covered repairs are limited to non-mechanical components that have NOT been subjected to abuse, misuse, or neglect. Products damaged by intentional abuse, misuse, or neglect may be subject to additional charges. Traxxas liability, in no case, shall be greater than the actual purchase price of this product. For replacement, product must be returned in brand new condition, with packaging and intemized sales receipt.

If you have questions or need technical assistance, call Traxxas at

1-888-TRAXXAS

(1-888-872-9927) (U.S. residents only)

Traxxas, 6200 Traxxas Way, McKinney, TX 75070, Phone: 1-888-TRAXXAS (Toll-free, US only) or 972-549-3000, Fax: 972-549-3011, e-mail: support@Traxxas.com