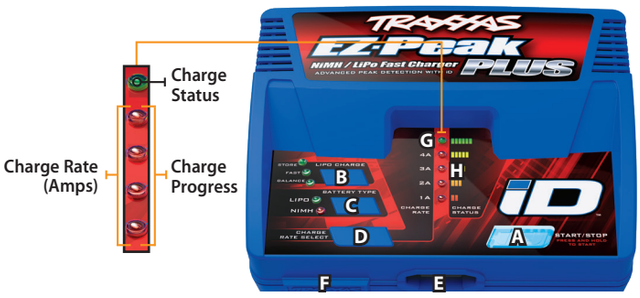
TRAXXAS EZ-Peak PLUS

NiMH/LiPo FAST CHARGER INSTRUCTIONS

Covers Part #2970 (USA)
Part #2970X (International)

Thank you for purchasing the Traxxas EZ-Peak Plus 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.

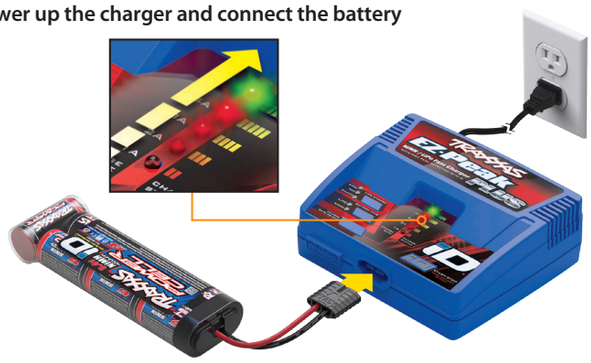
WARNING! For best charging results and your safety, it is essential that you read and understand these instructions before using the charger. Charging and discharging batteries has the potential for serious injury and damage to property. Use care when charging and follow all instructions and cautions.



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

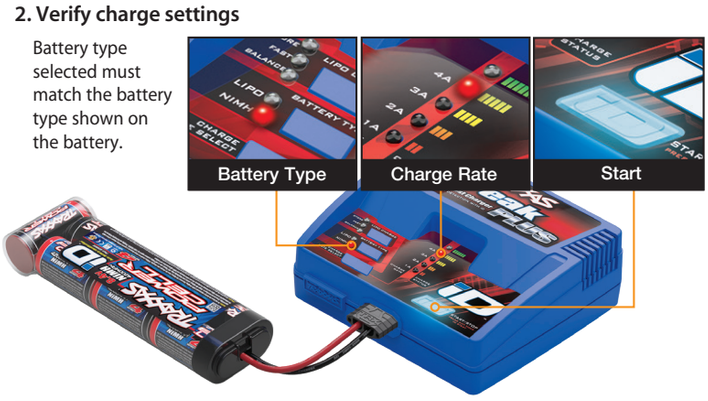
Charging Traxxas iD NiMH Batteries

1. Power up the charger and connect the battery



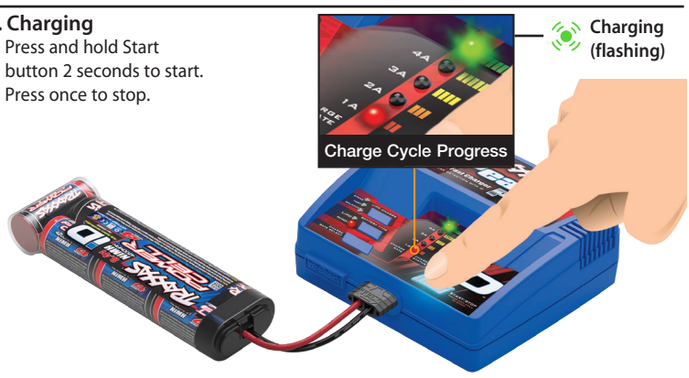
2. Verify charge settings

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



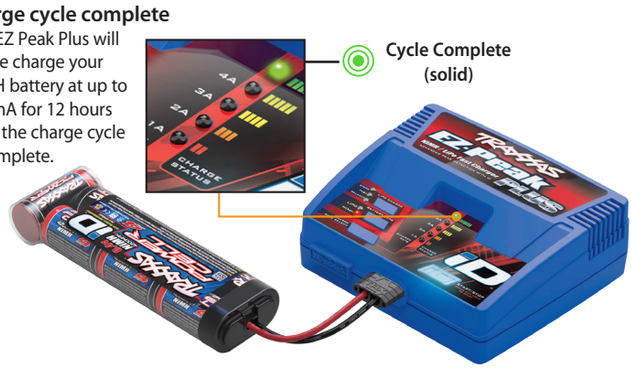
3. Charging

Press and hold Start button 2 seconds to start. Press once to stop.



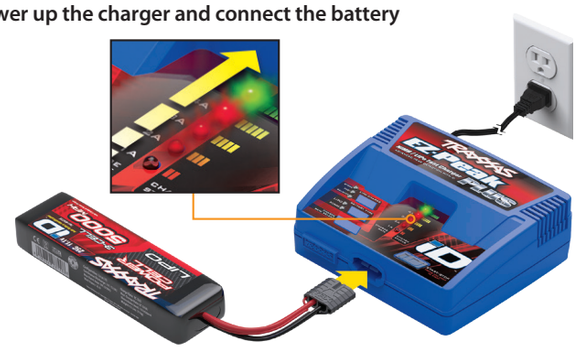
4. Charge cycle complete

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



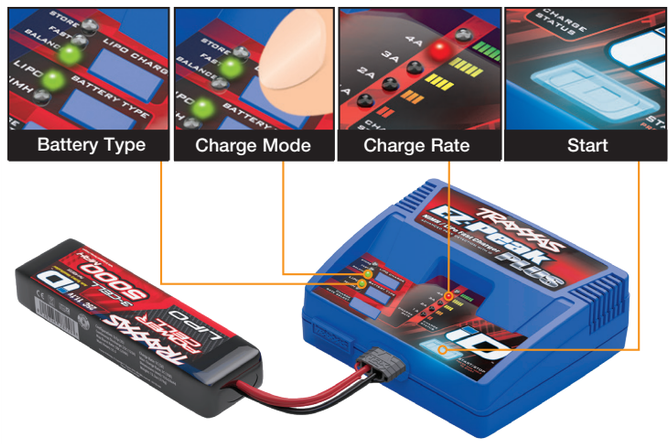
Charging Traxxas iD LiPo Batteries

1. Power up the charger and connect the battery

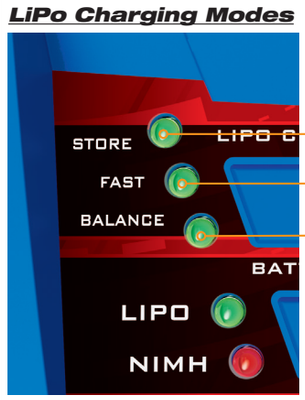


2. Verify charge settings

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



LiPo Charging Modes



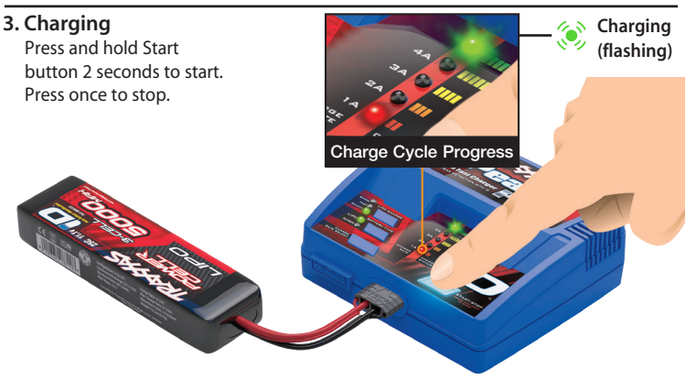
Storage charge
Makes it easy to charge or discharge the battery to the proper storage voltage. Use this mode whenever the battery will be stored unused for more than 7 days.

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

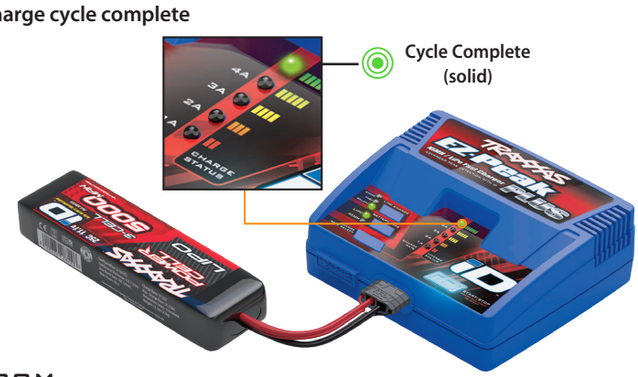
Balance charge
Always balance charge your LiPo batteries for maximum capacity, voltage, and battery life. This is the default setting for Traxxas iD batteries. The EZ-Peak Plus performs a balance charge quickly and efficiently.

3. Charging

Press and hold Start button 2 seconds to start. Press once to stop.



4. Charge cycle complete



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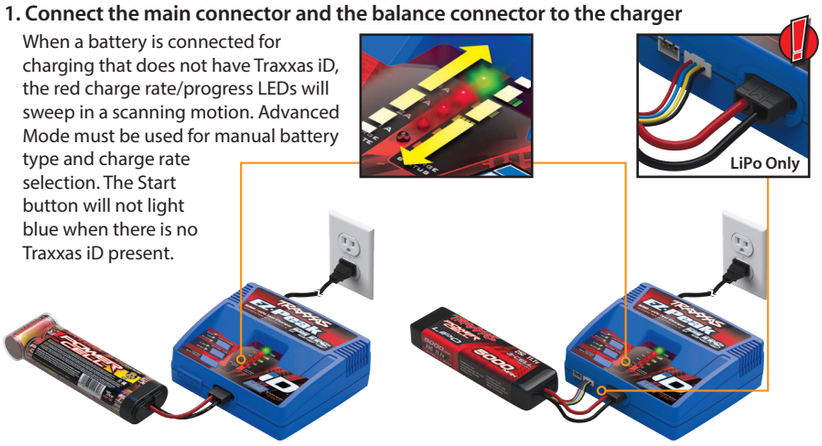
Charging Traxxas Batteries without iD in Advanced Mode

Advanced Mode is for users that have an in-depth knowledge of battery chemistry (types) 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, then do not use Advanced Mode. Use the Traxxas Battery iD system instead for safe, easy, and fast charging.

1. Connect the main connector and the balance connector to the charger

When a battery is connected for charging that does not have Traxxas 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 iD present.

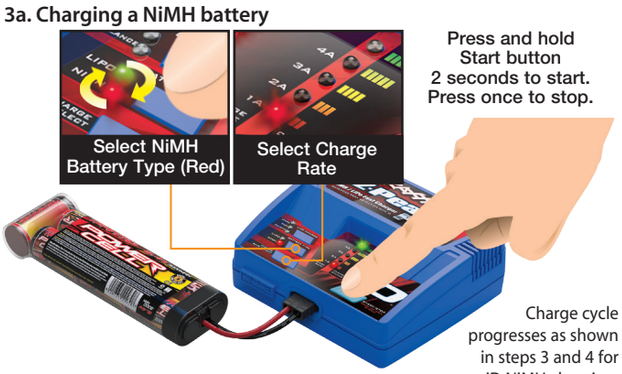


WARNING: DO NOT attempt to charge LiPo batteries with missing or damaged balance connectors. The EZ-Peak Plus will default to LiPo mode charging when a balance plug connection is detected. If you fail to plug in the balance connector, or attempt to charge a LiPo battery with a damaged or missing balance 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 Plus. Contact Traxxas for more information.

2. Enter Advanced Mode:

Simultaneously press and hold the Start button and the Charge Rate Select button for 2 seconds.

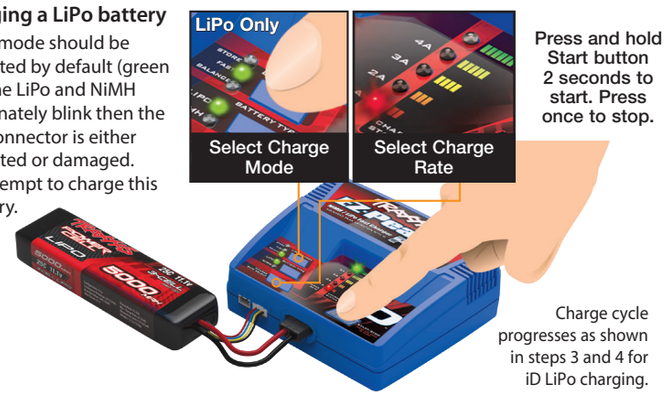
3a. Charging a NiMH battery



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

3b. Charging a LiPo battery

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.



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

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.
○ ○ ○ ●	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.

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 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.

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.

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.
- Never connect more than one battery at a time to the charger.
- 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).

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