EZ-Peak® PLUS 4s

iD™

8AMP

NiMH / LiPo Fast Charger

TRAXXAS®

OWNER'S MANUAL

Thank you for purchasing the Traxxas EZ-Peak Plus® 4s 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.

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 NiCad-type chargers or charge modes to charge LiPo batteries. DO NOT charge with a NiMH-only charger. The use of a NiMH or NiCad 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.

FIRE HAZARD!

If any of these conditions (see page 2) 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 such as in the trunk of a car 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.

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–4s LiPo battery packs.
- This charger may be used by persons (including children over 14 years old) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the charger in a safe way and understand the hazards involved. Do not allow children to play with the charger. Children require adult supervision while using, cleaning, or maintaining 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.

FIRE HAZARD!

- 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 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.
- 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.
- ALWAYS unplug the charger and disconnect the battery when not in use.
- Never attempt to charge more batteries than the charger was designed to charge.
- DO NOT disassemble the charger.
- REMOVE the battery from your model or device before charging.

FIRE HAZARD!

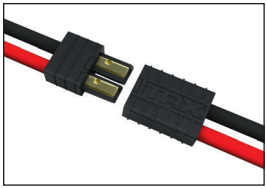
- DO NOT use the charger outdoors or expose it to water or moisture. Water entering the charger will increase the risk of electric shock.
- ALWAYS store battery packs safely out of the reach of children and pets.
- If the charger power cord is damaged, it must be replaced by Traxxas in order to avoid a hazard.
- 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 manufacturer 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, melted components, or any other signs of damage.
  - Battery packs that have been altered from original manufacturer configuration.
  - Non-rechargeable batteries (explosion hazard).
  - Batteries that have missing or unreadable labels, preventing you from properly identifying the battery type and specifications.

Explanation of Symbols

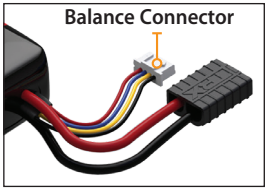
Symbol	Explanation
	General warning for personal safety
	Fire hazard warning. This product presents a possible fire hazard if not used correctly.
	FCC—Tested to Federal Communications Commission requirements
	CE marking indicates product conformance with the applicable European Union (EU) Directives.
	For EU WEEE compliance, this product should not be disposed of in household waste containers. Dispose of the product by using a designated collection point for the recycling of waste electrical and electronic equipment.

Symbol	Explanation
	This product includes a replaceable fuse.
	This product is double insulated for safe use.
	This product is designed to be used indoors only.
	C-Tick—Regulatory Compliance Mark for Australia and New Zealand
	California Energy Commission Compliant

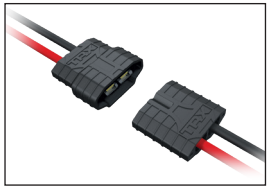
Know Your Connectors



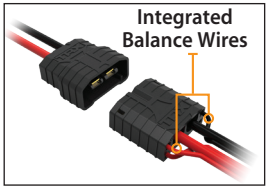
First Generation Traxxas High-Current Connector



LiPo Balance Connector (battery without Traxxas iD)



Traxxas High-Current Connector



Traxxas High-Current Connector with integrated balance wires (4s battery with Traxxas iD shown)

WARNING: FIRE HAZARD!

If you have a battery that is labeled as or appears to be a LiPo but it does not have a balance connector, do not attempt to charge the battery.

Know Your Batteries

The EZ-Peak Plus® 4s is able to charge two different types (chemistries) of batteries: NiMH and LiPo. Batteries are normally clearly labeled, but they can also be visually identified as a confirmation step.

NiMH Battery

LiPo Battery

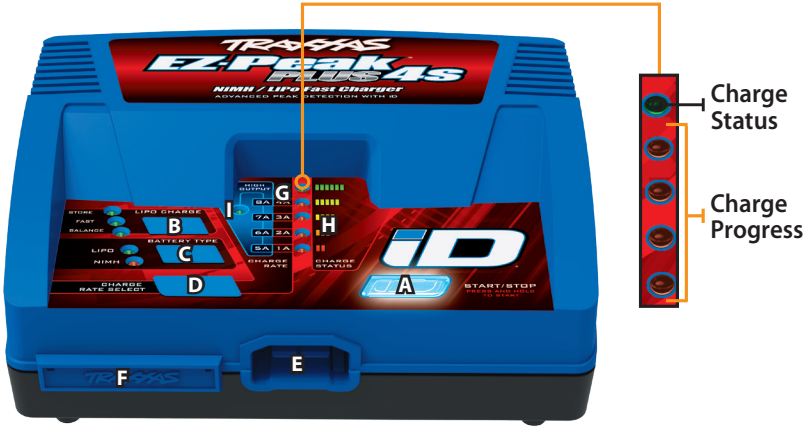
NiMH (Nickel-Metal Hydride) batteries are constructed using 6, 7, or 8 round battery cells that are soldered together and and wrapped with heat shrink material. NiMH batteries do not have a separate balance wire.

WARNING: FIRE HAZARD!

Do not attempt to charge any battery that has a missing or unreadable label that prevents you from properly identifying the battery type and specifications.

LiPo (Lithium Polymer) batteries are made from stacks of flat rectangular cells so the battery pack is rectangular, blocky, and has square corners. LiPo batteries also have balance connectors. For older Traxxas batteries with first generation High-Current Connectors, the balance connector and the multi-colored balance wires are separate. For Traxxas iD batteries, the balance wires are integrated into the High-Current Connector (see *Know your connectors* on page 6).

Know Your Charger



A. Start/Stop Button
B. LiPo Charge Mode Select
C. Battery Type Select
D. Charge Rate Select
E. Charger Output Port (Traxxas High-Current Connector)
F. 2s/3s/4s LiPo Balance Ports (pull to remove cover)
G. Charge Status LED
H. Charge Progress/Charge Rate LEDs
I. High Output LED (see page 16)

Charger Specifications

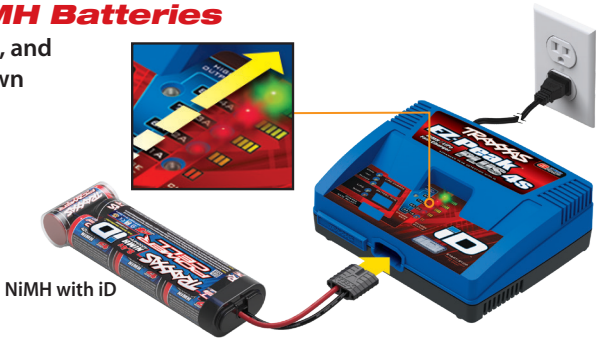
AC Input Power	100-240V, 50-60Hz, 1.6A-2A
Charger Output	75W, 4-16.8V

Traxxas iD Battery Type	Capacity	EZ-Peak Plus® 4s Maximum Charge Rate
6-cell NiMH	1200-1800mAh	2A
	3000-4200mAh	4A
	4300-5000mAh	5A
7-cell NiMH	3000-4200mAh	4A
	4300-5000mAh	5A
8-cell NiMH	3000-4200mAh	4A
	4300-5000mAh	5A
2-cell LiPo, 7.4v	4000-10000mAh	8A
3-cell LiPo,11.1v	4500-8400mAh	6.7A
4-cell LiPo, 14.8v	3400-6700mAh	5A

Charging Traxxas iD NiMH Batteries

1. Plug the charger into an AC wall outlet, and then connect the NiMH battery as shown

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

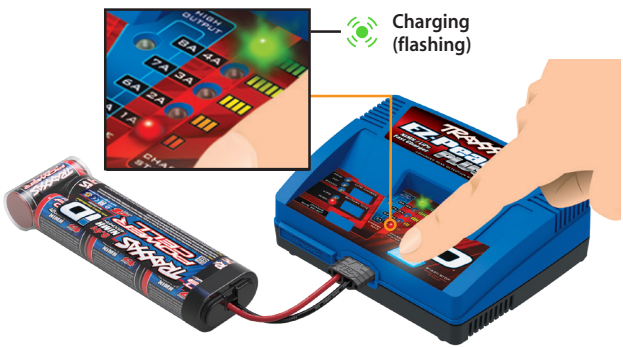


2. Verify the charge settings

Confirm that the red NiMH LED is lit for the connected NiMH battery. The Start button will light blue indicating that an iD battery is connected and ready to charge.

3. Charging

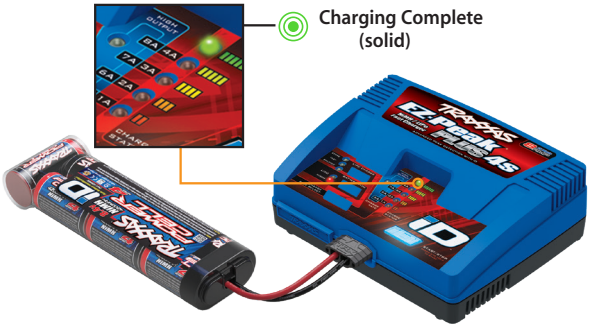
Press and hold the Start button for 2 seconds. The charger will play a tone and the green progress LED will flash, indicating that charging has started. The red charge progress LEDs will light as the battery charges. Press the Start button at any time to stop charging. The charger will play a tone, indicating that charging has been canceled.



4. Charge cycle complete

The charger will play a “charge complete” tone to indicate charging is complete. The alert tone will play 3 times and stop.

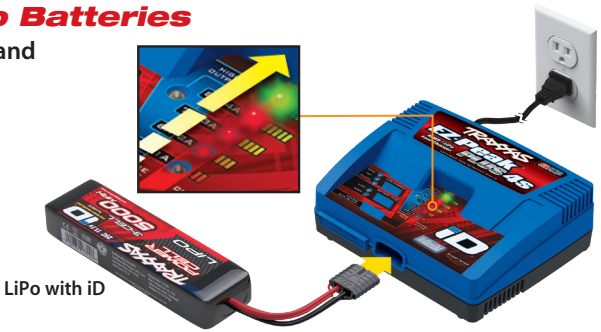
The EZ-Peak Plus 4s will trickle charge your NiMH battery at a minimum of 100mA for 12 hours after the charge cycle is complete.



Charging Traxxas iD LiPo Batteries

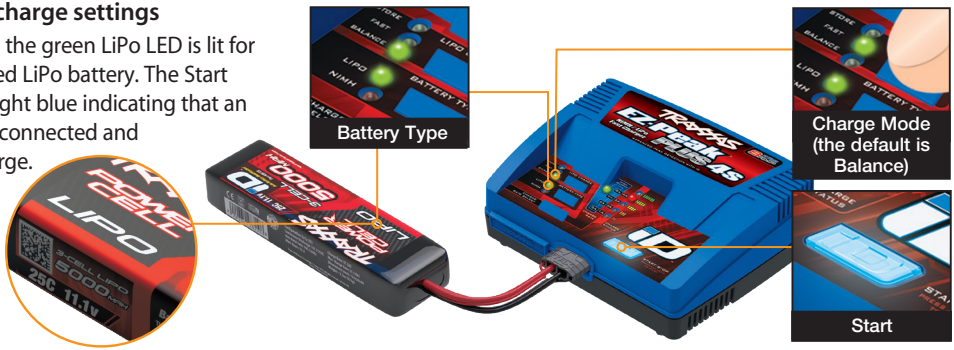
1. Plug the charger into an AC wall outlet, and then connect the LiPo battery as shown

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



2. Verify the charge settings

Confirm that the green LiPo LED is lit for the connected LiPo battery. The Start button will light blue indicating that an iD battery is connected and ready to charge.



3. Select LiPo charging mode

The default LiPo charge setting is Balance Charge. You can change the LiPo charge setting, if desired.

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 battery is fully charged or when the first cell reaches peak voltage. Depending on the battery, this may reduce the charge time by a few minutes.

WARNING: FIRE HAZARD!

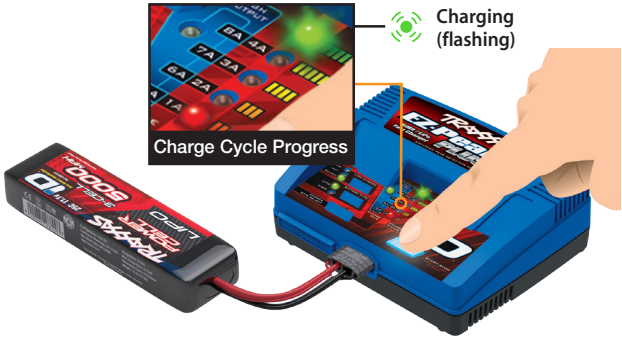
The fast charge LiPo setting is for occasional use only. LiPo batteries that become severely out of balance over time can create a hazard if one or more cells are discharged below the recommended safe voltage during use. See additional warnings and precautions in the beginning of this manual.

Balance Charge (recommended)

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 4s performs a balance charge quickly and efficiently.

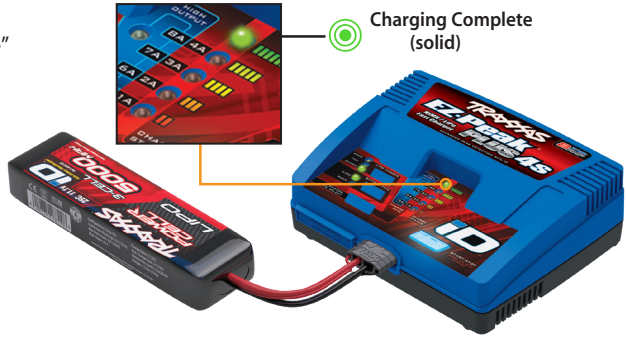
4. Charging

Press and hold the Start button for 2 seconds. The charger will play a tone and the green progress LED will flash, indicating that charging has started. The red charge progress LEDs will light as the battery charges. Press the Start button at any time to stop charging. The charger will play a tone, indicating that charging has been canceled.



5. Charge cycle complete

The charger will play a “charge complete” tone to indicate charging is complete. The alert tone will play 3 times and stop.



Advanced Mode

WARNING! CAUTION! DANGER!

FIRE HAZARD! IN ADVANCED MODE, THE USER SELECTS THE BATTERY CHEMISTRY AND CHARGE MODE. THIS CREATES THE RISK OF FIRE AND POSSIBLE INJURY TO YOURSELF AND OTHERS RESULTING FROM ACCIDENTALLY CHOOSING TO CHARGE A LIPO BATTERY IN NIMH MODE. ALWAYS MAKE SURE TO SELECT THE BATTERY TYPE THAT MATCHES THE CONNECTED BATTERY. ALSO, TO HELP PREVENT ACCIDENTALLY SELECTING THE WRONG BATTERY TYPE, NEVER ATTEMPT TO CHARGE LIPO BATTERIES WITH MISSING OR DAMAGED BALANCE CONNECTORS. IF YOU DO NOT UNDERSTAND THE TERMINOLOGY USED IN THESE INSTRUCTIONS, KNOW WHAT TYPE OF BATTERIES YOU HAVE, OR WHAT THIS WARNING MEANS, DO NOT USE ADVANCED MODE; INSTEAD, CONTACT TRAXXAS FOR MORE INFORMATION.

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.

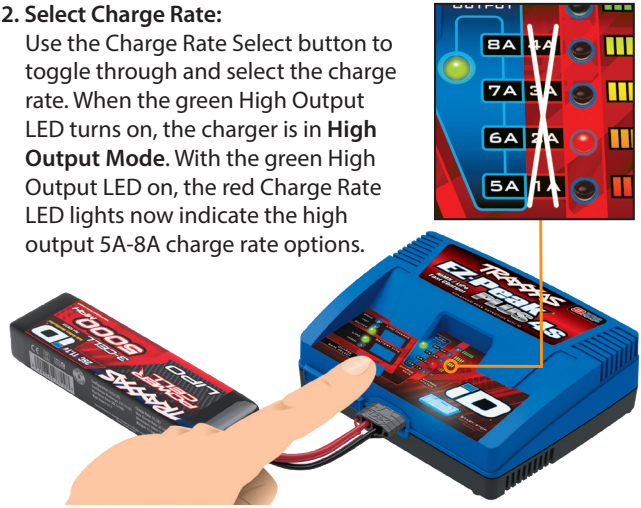
Simultaneously press and hold the Start button and the Charge Rate Select button for 2 seconds to enter **Advanced Mode.**

Using Advanced Mode for High Output Charging

WARNING: In Advanced Mode, the high output charge rate selection begins at 5 amps and goes up to 8 amps. You can use high output to charge high capacity batteries at a faster rate. ***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. Enter Advanced Mode:
Simultaneously press and hold the Start button and the Charge Rate Select button for 2 seconds.

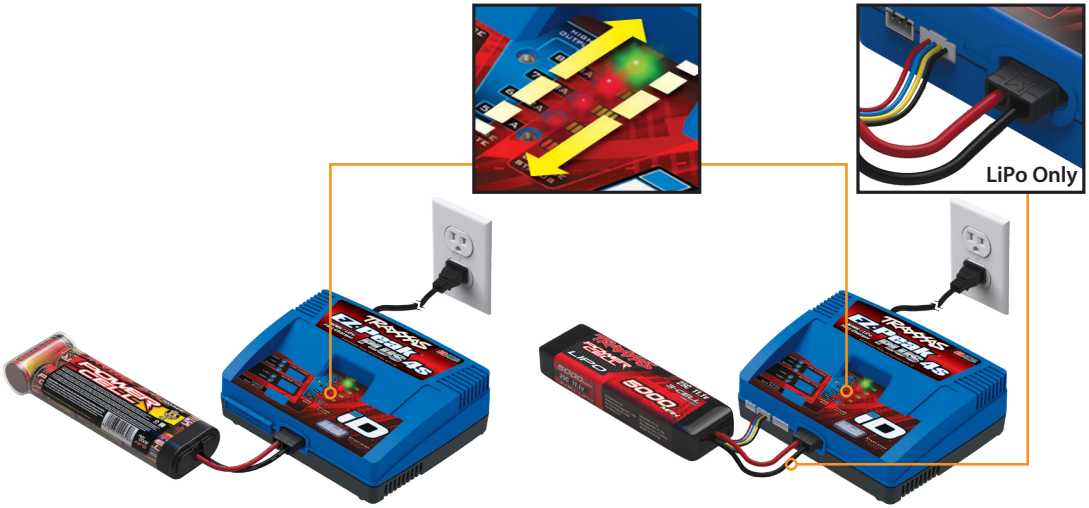
2. Select Charge Rate:
Use the Charge Rate Select button to toggle through and select the charge rate. When the green High Output LED turns on, the charger is in **High Output Mode**. With the green High Output LED on, the red Charge Rate LED lights now indicate the high output 5A-8A charge rate options.



Using Advanced Mode for Charging Traxxas Batteries without iD

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.



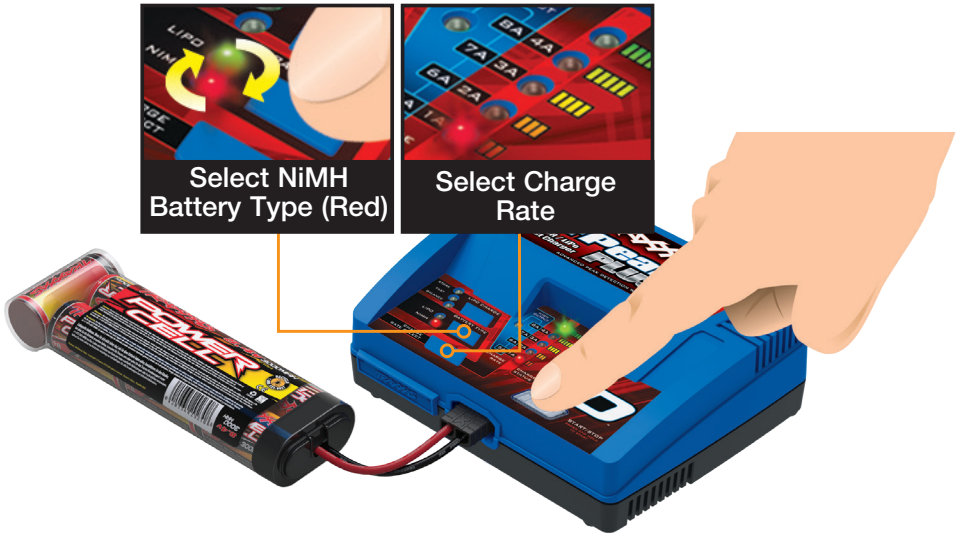
WARNING: FIRE HAZARD!

DO NOT attempt to charge LiPo batteries with missing or damaged balance connectors. The EZ-Peak Plus 4s 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 4s. 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



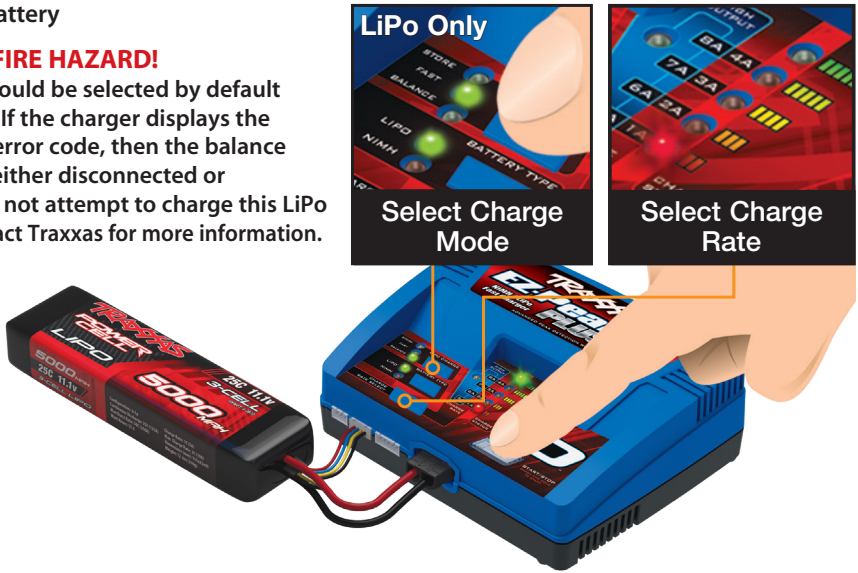
Press and hold the Start button for 2 seconds. The charger will play a tone, indicating that charging has started. Press once to stop. The charger will play a tone, indicating that charging has been canceled. The charge progress LEDs will light as the battery charges.

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

3b. Charging a LiPo battery

WARNING: FIRE HAZARD!

LiPo mode should be selected by default (green LEDs). If the charger displays the battery type error code, then the balance connector is either disconnected or damaged. Do not attempt to charge this LiPo battery. Contact Traxxas for more information.



Press and hold the Start button for 2 seconds. 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 4 and 5 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 non-iD LiPo battery) or the Traxxas High Current Connector is fully plugged into the charger (if charging an iD 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 non-iD 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 or the charger detected a potential battery iD error.	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.

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 itemized sales receipt.

Specifications are subject to change without notice. Every effort has been made to ensure the accuracy of this Owner's Manual and its contents; however, Traxxas cannot be held responsible for typographical or other errors.

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FCC Compliance

This device contains a module that complies with the limits for a Class B digital device as described in part 15 of the FCC rules. 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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 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. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada, Innovation, Science and Economic Development (ISED)
CAN ICES-3 (B)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Radio Frequency (RF) Exposure Statement

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or bystanders and must not be co-located or operating in conjunction with any other antenna or transmitter.

Declaration of Conformity for RED Directive

Traxxas LP hereby declares that this product is in compliance with Directive 2014/53/EU.
The full text of the EU Declaration of Conformity is available online at:

https://traxxas.com/compliance

Signed:  **Date:** June 8, 2021

NOTES:

NOTES:

EZ-Peak® PLUS 4s

TRAXXAS

OWNER'S MANUAL

6250 TRAXXAS WAY, McKINNEY, TX 75070
1-888-TRAXXAS

210608 KC2875-R01-EN

Part #2981