

# EZ-Peak Live



**iD**™

**12 AMP**

**NiMH / LiPo Fast Charger**

**TRAXXAS**

OWNER'S MANUAL

Thank you for purchasing the Traxxas EZ-Peak Live™ 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.



## WARNING! CAUTION! DANGER! (continued)

### 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 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.



## **WARNING! CAUTION! DANGER! (continued)**

### **FIRE HAZARD!**

- 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.
- Remote monitoring via the EZ-Peak Live App is not a substitute for being present to watch over and tend to batteries being charged. Batteries being charged should always be visible and monitored in person in case there is an unexpected problem that requires immediate attention.
- 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.



## **WARNING! CAUTION! DANGER! (continued)**

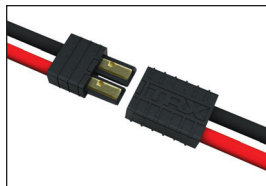
### **FIRE HAZARD!**

- 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.
- DO NOT expose the charger to water or moisture.
- 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.

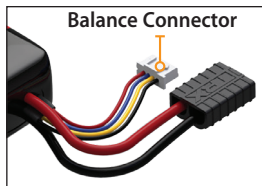
## Updating Firmware

Your EZ-Peak Live charger has the ability to receive firmware updates that can add new features and capabilities. Firmware updates are performed via the EZ-Peak Live App (see *Traxxas EZ-Peak Live Application* on page 15). Visit [Traxxas.com](http://Traxxas.com) for the latest firmware updates and instructions for how to install them on your charger.

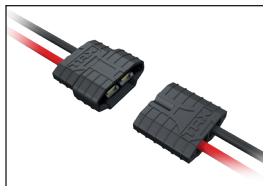
## Know your connectors



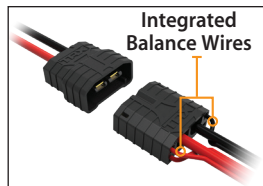
First Generation Traxxas High-Current Connector



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)

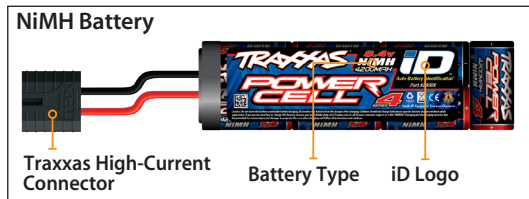


### WARNING: FIRE HAZARD!

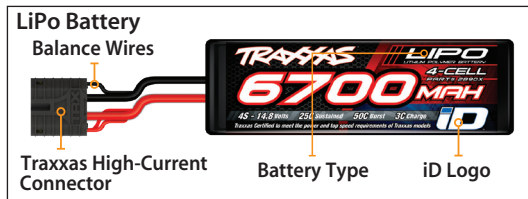
If you have a battery that is labeled as or appears to be a LiPo but it does not have a balance connector, do not attempt to charge the battery.

## Know your Batteries

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



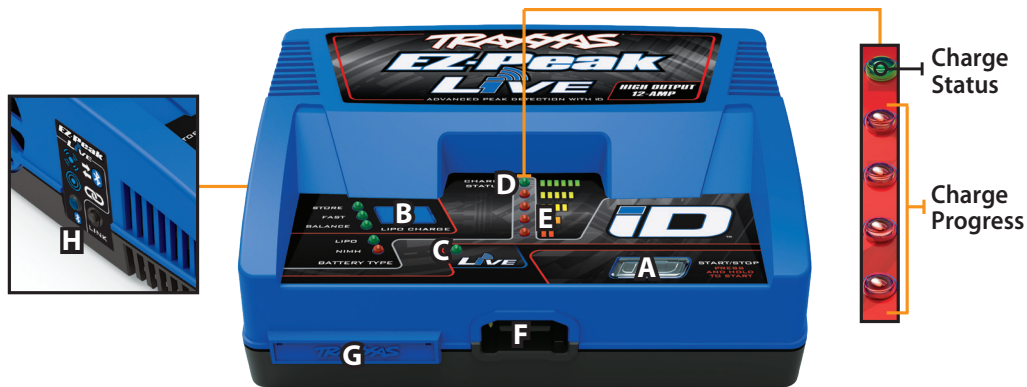
LiPo (Lithium Polymer) batteries are made from stacks of flat rectangular cells so the battery pack is rectangular, blocky, and has square corners. LiPo batteries also have balance connectors. For older Traxxas batteries with first generation High-Current Connectors, the balance connector and the multi-colored 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).



### 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.

## Know your Charger



A. Start/Stop Button

B. LiPo Charge Mode Select

C. App Live LED

D. Charge Status LED

E. Charge Progress LEDs

F. Charger Output Port (Traxxas High-Current Connector)

G. 2S/3S/4S LiPo Balance Ports (pull to remove cover)

H. Bluetooth® Button



## Charger Specifications

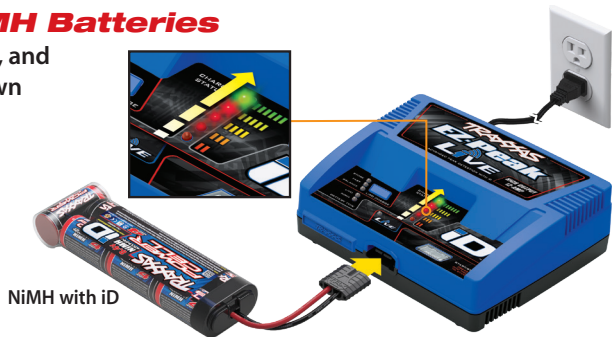
AC Input Power	100-240V, 50-60Hz, 1.5A
Charger Output	100W, 4-19V

Traxxas iD Battery Type	Capacity	EZ-Peak Live™ 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	6000-10000mAh	12A
3-cell LiPo, 11.1v	4500-8400mAh	9A
4-cell LiPo, 14.8v	3400-6700mAh	6.7A

## 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.



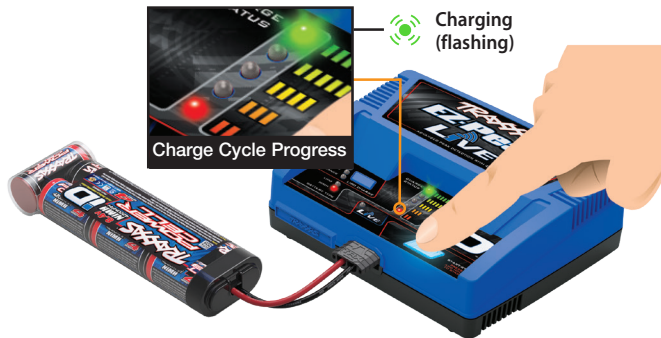
2. Verify the charge settings

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.

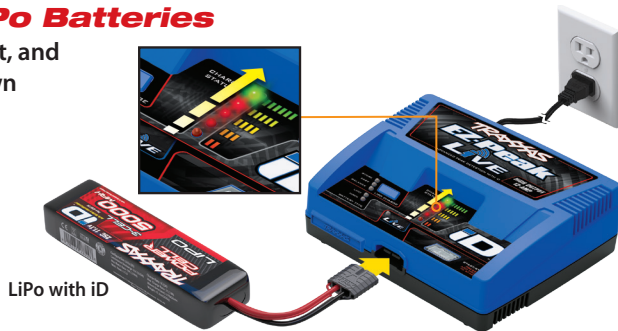
The EZ-Peak Live will trickle charge your NiMH battery at a minimum of 100mA for 12 hours after the charge cycle is complete.



## 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!**

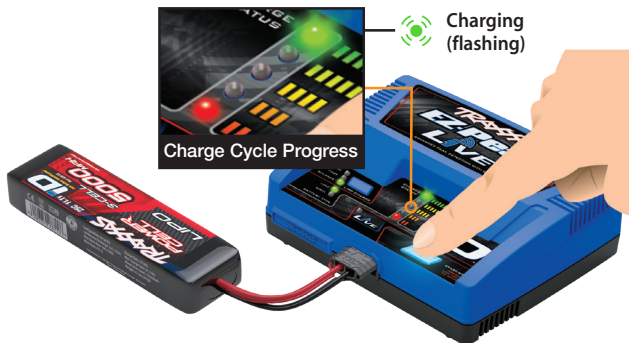
The fast charge LiPo setting is for occasional use only. LiPo batteries that become severely out of balance over time can create a hazard if one or more cells are discharged below the recommended safe voltage during use. See additional warnings and precautions in the beginning of this manual.

#### 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 Live performs a balance charge quickly and efficiently.

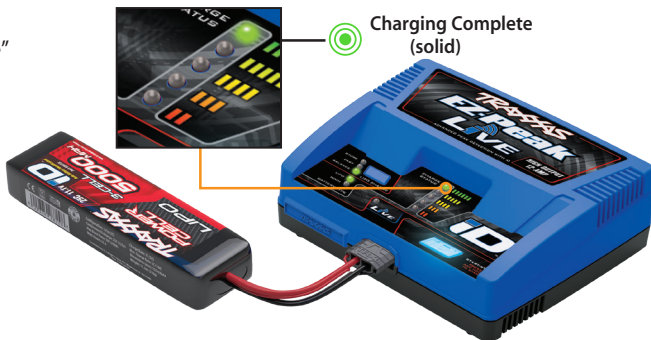
#### 4. Charging

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.



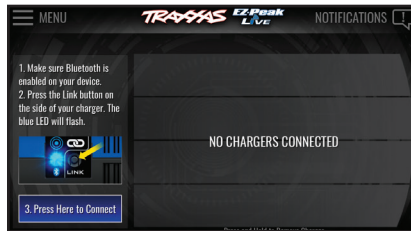
## Traxxas EZ-Peak Live Application



The EZ-Peak Live App installs on your Apple® iPhone®, iPad®, iPod touch®, or Android™ device and links to your charger via built-in **Bluetooth®**. The EZ-Peak Live App (available in the Apple App Store™ or on Google Play™) gives you access to additional features, such as a high-definition graphical user interface, remote monitoring and alerts for up to 4 chargers, detailed live charging information, and access to full manual controls (see *Advanced Mode* on page 18). Remote monitoring via the EZ-Peak Live App is not a substitute for being present to watch over and tend to batteries being charged. Please see the warning about this on page 17.

### Linking the App to the Charger

1. Plug the charger into an AC wall outlet. Open the EZ-Peak Live App on your mobile device.
2. Press the **Bluetooth®** Link button on the side of the charger. The blue LED will blink.
3. Within 10 seconds, tap the “Press Here to Connect” button in the app.
4. The blue LED on the side of the charger will glow solid.
5. The EZ-Peak Live charger and the EZ-Peak Live app are now paired. The charger and app will automatically connect when the charger is powered up and the app is running. The green App Live LED on the charger will glow solid green when the paired charger is selected using the EZ-Peak Live App.



**Note:** The EZ-Peak Live App is updated frequently, and the actual screens may vary from the images shown.

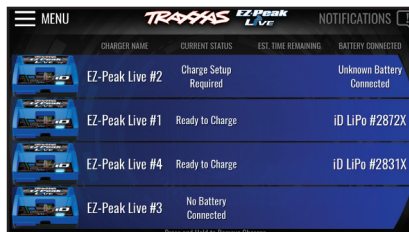


## Charging Traxxas iD NiMH or LiPo Batteries using the EZ-Peak Live App

When EZ-Peak Live is connected, you have the ability to configure the charger remotely from the app or you can use the buttons on the charger. EZ-Peak Live will **not** allow you to start the charging process remotely via the app. It is important to verify visually at the charger that the connected battery matches the charge mode indicated on the face of charger. Once your charge settings are visually confirmed by you, press and hold the Start button on the charger for 2 seconds to begin charging. Once charging has started, you can view charge progress and stop the charging process at any time from the app. When the charge process is completed, the EZ-Peak Live App will play the charge complete alert tone. These alerts can be adjusted in the app settings. Follow the on-screen prompts to move through the information screens provided in the app.

### iD-Only Safety Lock

The EZ-Peak Live App contains a passcode-protected safety lock that limits the charger to iD-only operation, even when connected to the app on another iOS® or Android™ device. This feature allows the charger to be locked so that inexperienced users (such as children) do not have access to manual settings for the charger and the risks associated with using manual settings (see **Warnings** on page 2).



Connected Chargers (up to 4)



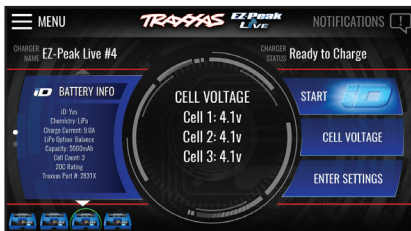
iD Battery Specifications





## WARNING: FIRE HAZARD!

Never leave batteries unattended while charging. Remote monitoring via the EZ-Peak Live App is not a substitute for being present to watch over and tend to batteries being charged. Batteries being charged should always be visible and monitored in person in case there is an unexpected problem that requires immediate attention.



Cell Voltage Checker



Charge Status



LiPo Charge Settings



## **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***

**Advanced Mode** allows you to choose and configure the charge settings for the charger. Advanced Mode is needed for charging batteries that are not equipped with iD technology. It is not possible to manually configure your charge settings without the Traxxas EZ-Peak Live App connected to the charger.

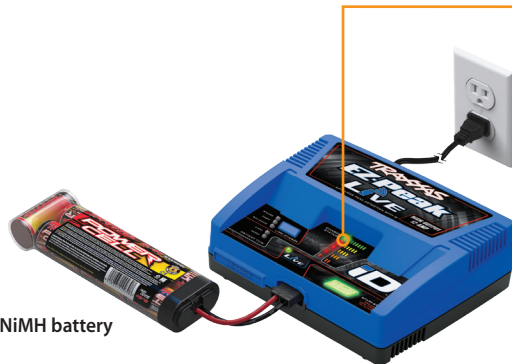
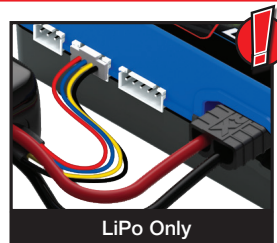
1. Open the EZ-Peak Live App on your mobile device; plug the charger into an AC wall outlet, and then connect the battery as shown



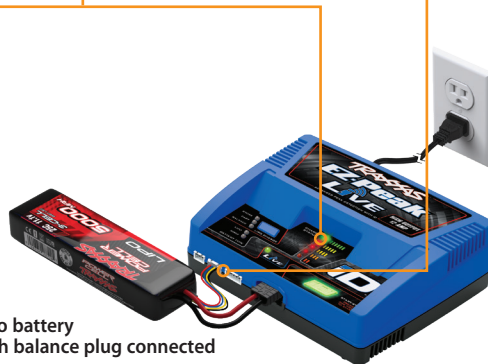
Advanced Mode (manual settings)

Advanced Mode must be enabled by the user.

Follow the on-screen prompts in the EZ-Peak Live App.



NiMH battery



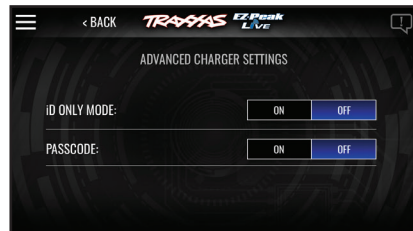
LiPo battery with balance plug connected

The EZ-Peak Live charger is set by default to only charge iD-equipped batteries. You must turn off **iD-Only Mode** on the **Advanced Charger Settings** screen of the app to manually configure the charger settings to charge non-iD batteries.

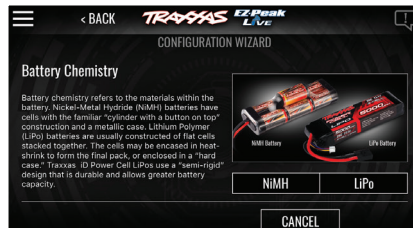
*You can also turn on and set up the passcode-protected safety lock on this same screen.*

2. Use the EZ-Peak Live App to select the battery type, battery capacity, charge rate, and charging mode (LiPo only).

The **Charge Settings Wizard** takes you through the setup process by asking you questions about the battery you are charging. Follow the instructions in the app.



Advanced Charger Settings



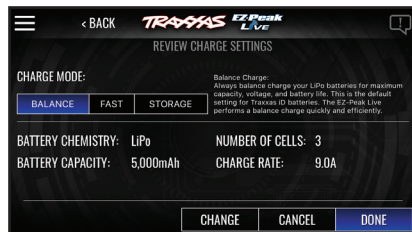
Charge Settings Wizard

**Note:** If the LiPo battery type is selected, a balance plug connection is required by the charger and the EZ-Peak Live App before displaying the LiPo charging options. Once the charger detects a balance plug connection, the EZ-Peak Live App will display the charging options and you can select your preferred charging mode: **Balance, Fast, or Storage Charge.**



**WARNING: FIRE HAZARD!**

If the LiPo and NiMH LEDs alternately blink, then the balance connector is either disconnected or damaged. This creates the risk of fire or possible injury to yourself and others. **DO NOT** attempt to charge this LiPo battery.

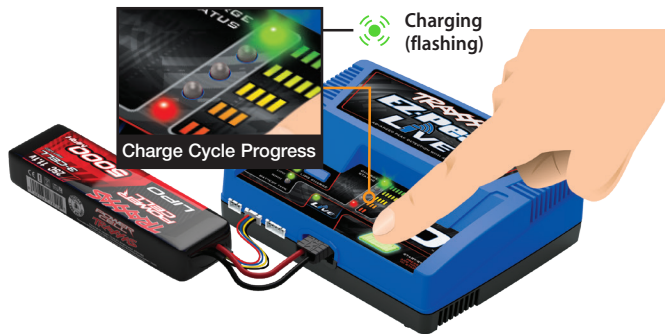


LiPo Charging Modes

Note that in **Advanced Mode**, once the charge settings are configured, the charge process cannot be started from the app. Once the app sends these charge settings to the charger, the Start button will blink green indicating that it is ready for you to verify the connected battery. Press and hold the Start button to begin the charging process.

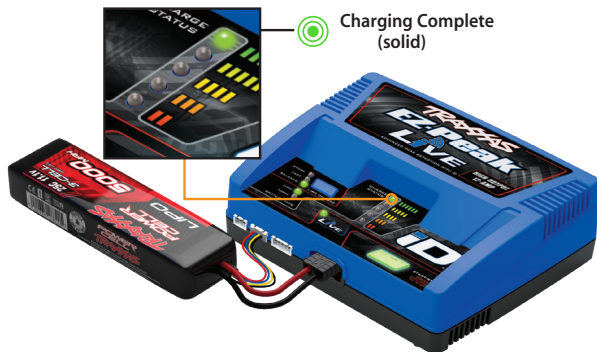
### 3. Charging

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.




## 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.	<ol style="list-style-type: none"><li>Press the Battery iD Start/Stop button to return to charger configuration.</li><li>Verify that the battery matches the selected type (LiPo or NiMH).</li><li>Verify that the balance connector is plugged into the charger (if charging a non-iD LiPo battery) or fully plugged into the charger (if charging an iD LiPo battery).</li><li>Inspect the battery for any signs of damage.</li></ol>
	The battery or cell voltage is too high or too low to charge safely.	<ol style="list-style-type: none"><li>Verify that the balance connector is plugged into the charger (if charging a non-iD LiPo battery).</li><li>Disconnect the battery and check its condition. Ensure it is within safe voltage levels.</li><li>Use the EZ-Peak Live App to verify charge settings.</li></ol>
	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.

## Charger Error Codes (continued)

Error Code	Explanation	Solution
	Balance connector is either disconnected or damaged.	Disconnect the battery. DO NOT attempt to charge this battery. Contact Traxxas Customer Support.



## **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](https://www.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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The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Traxxas is under license. Other trademarks and trade names are those of their respective owners.

## 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.

The limits for a Class B digital device are designed to provide reasonable protection against harmful interference in residential settings. This product generates, uses and can radiate radio frequency energy, and, if not operated in accordance with the instructions, may cause harmful interference to radio communications. The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Canada, Industry Canada (IC)

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: This device may not cause interference, and 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 radio frequency exposure limits set forth by FCC and Industry Canada 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: January 22, 2020



# **EZ-Peak**<sup>®</sup> **LIVE**<sup>™</sup>

## **TRAXXAS**<sup>®</sup>

### **OWNER'S MANUAL**

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