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## 4-Amp USB-C NiMH/LiPo iD Charger Instructions

Covers Part #2985

### 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 anyone under the age of 18 to charge or use or handle LiPo batteries without the supervision of a knowledgeable and responsible adult. This battery charger is designed for use ONLY with Traxxas iD® NiMH or LiPo batteries. Legacy Traxxas High-Current Connectors, non-Traxxas batteries, and non-Traxxas connectors are not compatible with this charger. DO NOT try to force legacy connectors into the charge connector. DO NOT modify the charger.

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

- LiPo batteries are significantly more volatile than other rechargeable batteries.
- ONLY use a Traxxas iD® charger to charge Traxxas iD batteries. Never use NiMH or NiCad-type chargers or charge modes to charge LiPo batteries. DO NOT charge LiPo batteries with a NiMH-only charger. 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.
- NEVER charge LiPo battery packs in series or parallel. Charging LiPo 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 these 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 LiPo batteries.
- Store and transport your battery pack(s) 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:

- This charger is not a toy and is not intended to be used by children under the age of 14 for NiMH batteries, or under the age of 18 for LiPo batteries, without responsible adult supervision.
- Charge only 5- to 7- cell NiMH or 2s to 3s LiPo battery packs with this charger.
- This is a Traxxas iD charger and only charges Traxxas iD batteries.
- BEFORE you charge, ALWAYS confirm that the charger is correct for the battery being charged.
- DO NOT attempt to charge batteries that have an internal charge circuit or a protection circuit 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 each other. This will cause the battery to short circuit and create the risk of fire.
- DO NOT use a non-Traxxas charger or non-iD Traxxas charger to charge Traxxas iD batteries.
- While charging or discharging, place the battery (all types of batteries) in a fire retardant/fire proof container and on a non-flammable surface such as concrete.
- DO NOT charge batteries inside of an automobile. DO NOT charge batteries while driving in 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 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 operate the charger in a cluttered space, or place objects on top of the charger or battery. DO NOT cover the ventilation holes in the charger case.
- 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.
- DO NOT disassemble, crush, pierce, 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 a battery gets hot to the touch during the charging process (temperature greater than 110°F / 43°C), immediately disconnect the battery from the charger and discontinue charging.
- Allow the battery pack to cool off between runs (before charging).
- ALWAYS unplug the charger and disconnect the battery when not in use.
- ALWAYS unplug the battery from the electronic speed control when the model is not in use and when it is being stored or transported.
- DO NOT disassemble the charger.
- REMOVE the battery from your model or device before charging.
- DO NOT expose the charger to water or moisture. For indoor use only.
- DO NOT use an adapter of any kind or modify or change the battery plug/connector.
- ALWAYS store battery packs safely out of the reach of children or pets. Children should always have adult supervision when charging and handling batteries.
- Nickel-Metal Hydride (NiMH) batteries must be recycled or disposed of properly.
- Always proceed with caution and use good common sense at all times.

Australia: 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 this charger.

#### FCC Regulatory Compliance

This device complies with 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

#### FCC Radiation Exposure statement

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

#### ISED compliance statement

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.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

#### IC Radiation Exposure statement

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

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

**1-888-TRAXXAS**

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

TRAXXAS.COM

Traxxas, 6250 Traxxas Way, McKinney, TX 75070, Phone: 972-549-3000, Fax: 972-549-3011, e-mail: support@Traxxas.com

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## About the Traxxas iD® USB-C NiMH/LiPo Charger

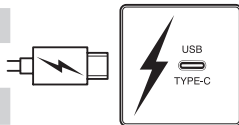
The Traxxas #2985 USB-C NiMH/LiPo Battery Charger features exclusive Traxxas innovations that make charging batteries easier and safer than ever. It features fast charging and advanced peak detection to optimize every charge. **A USB-C power source, such as a portable power bank (battery source) or AC power adapter, and power cable (sold separately) are required for use.**

**TERMS OF USE** - The buyer assumes all risk associated with using this product. Traxxas, its affiliates, manufacturers, distributors, and retail partners cannot control the use, application, charging or installation of this product and shall not be held responsible for any accident, injury to persons, or damage to property resulting from the use of this product. Read and follow all provided instructions, information, and warnings. After reading all provided information, if you do not agree with these terms and conditions and are not prepared to accept complete liability for the use of this product, return this product immediately in new/unused condition to your place of purchase. Your hobby dealer absolutely cannot accept product for return or exchange if it has been used in any way.

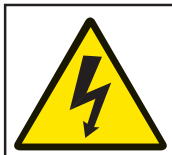
If you have any questions, call Traxxas Customer Support at 1-888-TRAXXAS (1-888-872-9927), outside the US at +1-972-549-3000, or e-mail support@traxxas.com.

### Recommended Power Adapter and Cable

Part No.	Description
2912*	Power adapter, AC, USB-C (45W)
2916*	Power cable, USB-C, 100W (high output)



\*Sold separately



### CAUTION: SHOCK HAZARD!

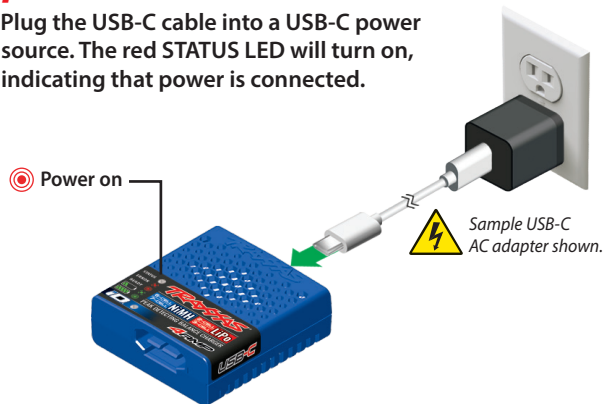
**For indoor use only when using AC power adapters. DO NOT expose the charger to water or moisture.**

### Charging Tips

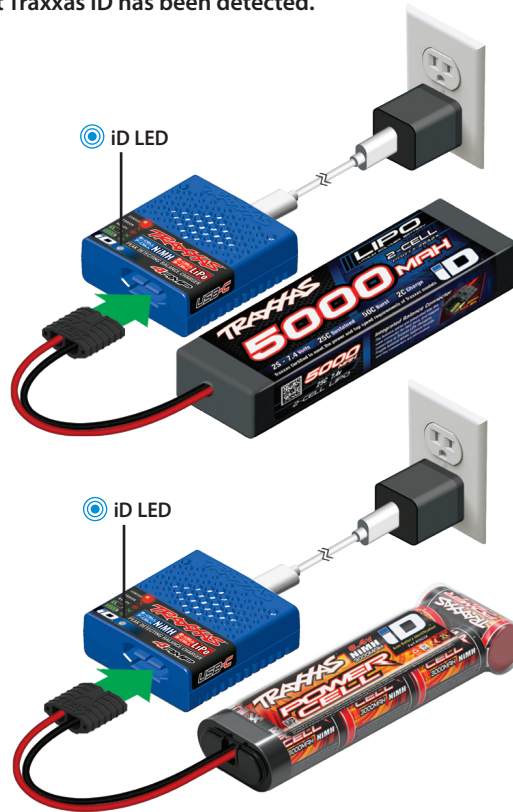
- The charger **MUST** be connected to USB-C power **BEFORE** connecting the battery. If the battery is connected before connecting to USB-C power, the charger will show an error (red LED flashes 6 times and repeats). To correct, unplug the battery and the charger. Plug in the charger to USB-C power, and then connect the battery to be charged.
- The charger requires 10W or greater output from the USB-C power source to operate.
- The charge output current varies depending on the available power from the USB-C power source. To ensure the maximum charge rate, use a USB-C power source rated at 45 watts (capable of 2.25 amps at 20 volts) and compatible with Quick Charge 3.0 (QC 3.0) or greater standard input voltage. Traxxas USB-C AC Power Adapter (part #2912) and Power Cable (part #2916) are designed to deliver the full charge output from the charger.

### Operation

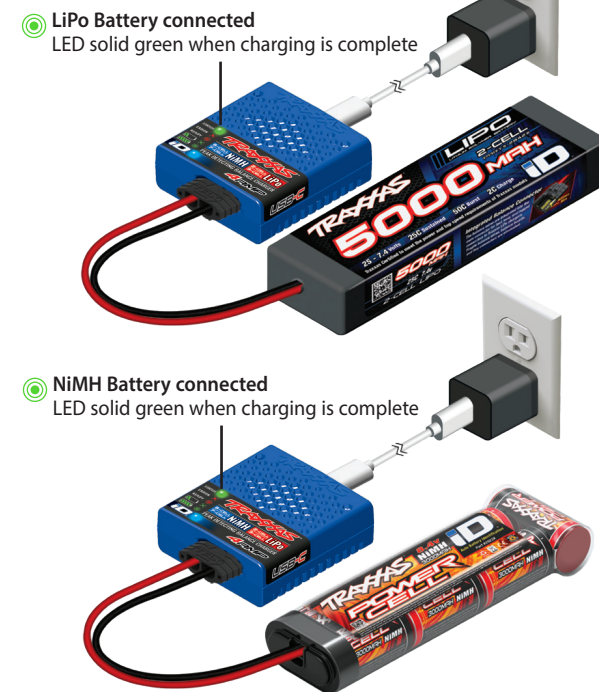
- Plug the USB-C cable into a USB-C power source. The red STATUS LED will turn on, indicating that power is connected.



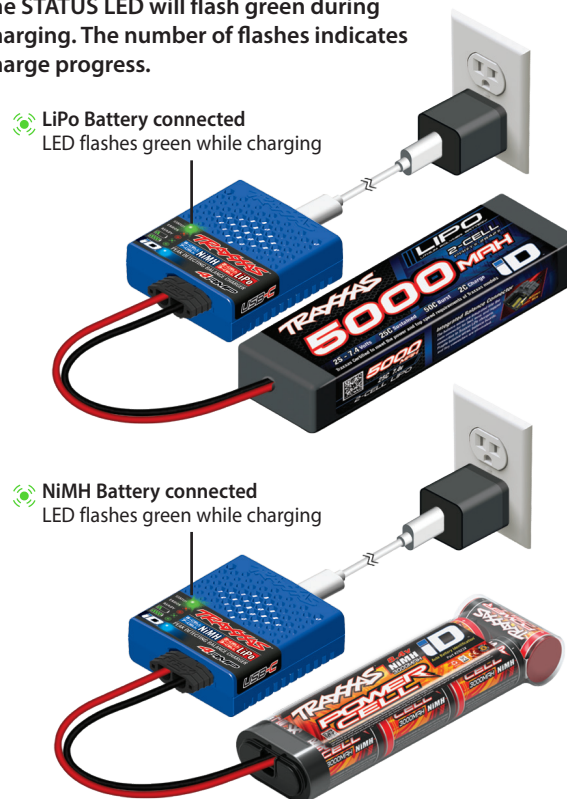
- Connect a Traxxas iD NiMH or LiPo battery to the charger to begin charging. The blue iD LED will turn on, indicating that Traxxas iD has been detected.



- When the STATUS LED is solid green, charging is complete.



- The STATUS LED will flash green during charging. The number of flashes indicates charge progress.



**Note:** It is normal for the charger to become warm while charging at the maximum charge rate. If the charger is not in a cool, well-ventilated area, the charge rate will be automatically reduced to prevent the charger from overheating.

#### CHARGE PROGRESS

	x1	1 green flash	0 - 25% charged
	x2	2 green flashes	25% - 50% charged
	x3	3 green flashes	50% - 75% charged
	x4	4 green flashes	75% or more charged
		Solid green LED	100% charged

### Battery Compatibility

NiMH Traxxas iD Batteries	5-Cell	6-Cell	7-Cell
LiPo Traxxas iD Batteries	2-Cell		3-Cell

iD LED INDICATION	MEANING	
	Solid Blue LED	iD detected; the battery will begin charging
	LED Off	iD not detected; the battery will NOT charge
STATUS LED INDICATION	MEANING	
	Solid Red LED	Ready for charging
	Slowly Flashing Green LED	Charging (see Charge Progress chart)
	Solid Green LED	Battery fully charged
	Flashing Red LED	Charger error

#### Clearing errors

If there is a problem with the battery or the power adapter, the charger's STATUS LED will flash **red**. See error codes and recommended solutions below. If the error code repeats or will not clear, contact Traxxas Customer Support.

LED INDICATION	MEANING	SOLUTION
x1	Power source error	Disconnect battery and USB-C power source. Check power source for compatibility.
x2	Battery voltage is too high or too low	Disconnect and discontinue use of battery.
x3	The charger timer has expired	Disconnect battery. If battery is hot, discontinue charger use. If battery is not hot, reconnect to continue charging (this may happen when connected to a low output power source).
x4	The internal charger temperature is too high	Disconnect charger and allow charger to cool.
x5	The detected battery does not match the charger configuration	Disconnect battery; battery is not compatible with the charger.
x6	Battery connected to charger before USB-C power supplied.	Disconnect battery; wait for solid red LED on charger before reconnecting battery.
x7	Legacy or non-Traxxas iD battery detected or Traxxas iD error	Disconnect battery; battery is not compatible with the charger.
	Charger has detected an internal error	Disconnect battery and power adapter. Discontinue charger use.

### Limited 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 Limited Warranty

After the expiration date of the warranty period, Traxxas will repair electronic components for a flat rate. Please visit [Traxxas.com/support](http://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.