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## 2-AMP USB-C CHARGER INSTRUCTIONS

Covers Part #2949



### WARNING! CAUTION! DANGER!



**FIRE HAZARD!** This 2-amp USB-C charger is for use with Traxxas iD® NiMH battery packs only. To prevent a fire risk, DO NOT attempt to charge LiPo batteries or any other type of battery with this charger. 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.

- This charger is not a toy and is not intended to be used by children under the age of 14 without responsible adult supervision.
- Charge only 5- to 7- cell NiMH battery packs with this charger. Charge only packs assembled with sub-C cells (or larger). This is the size most commonly used for 1/10 scale and larger radio controlled vehicles.
- 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 140°F / 60°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.

### About the Traxxas 2-amp USB-C Charger

The Traxxas #2949 Battery Charger is a fully featured NiMH (Nickel Metal Hydride) charger. It will charge one 5- to 7-cell Traxxas iD® NiMH battery, 1200-5000mAh capacity, with 2-amp charge current for 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.

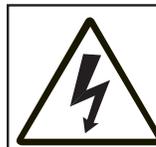
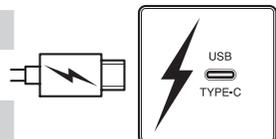
**TERMS OF USE** - The buyer assumes all risk associated with using this product. Traxxas, its affiliates, manufacturers, distributors, and retail partners cannot control the use, application, charging or installation of this product and shall not be held responsible for any accident, injury to persons, 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](mailto:support@traxxas.com).

#### RECOMMENDED POWER ADAPTER AND POWER CABLE

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

\*Sold separately



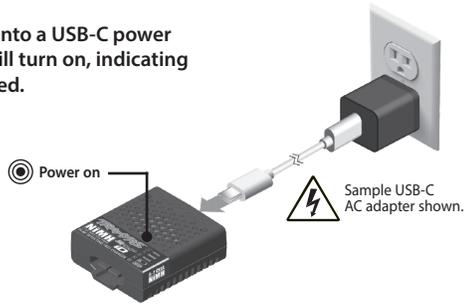
#### CAUTION: SHOCK HAZARD!

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

## Operation

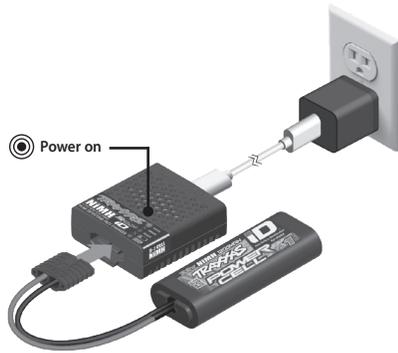
1

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



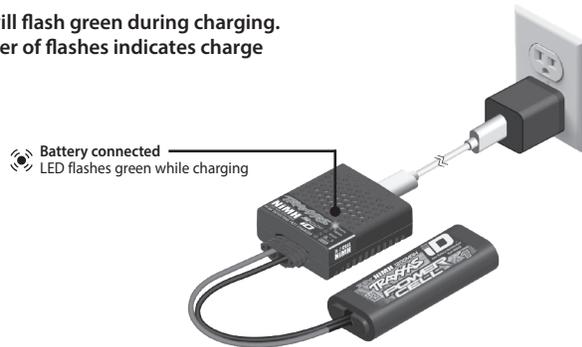
2

Connect a Traxxas iD NiMH battery to the charger to begin charging.



3

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

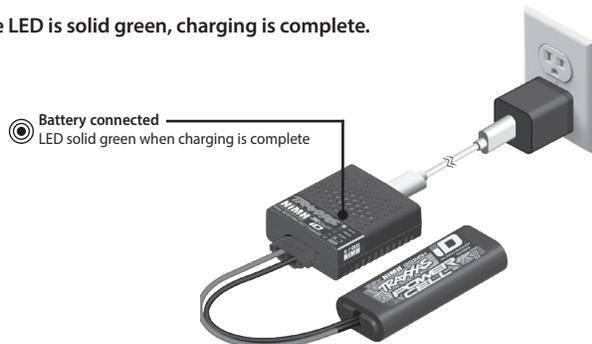


### CHARGE PROGRESS

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

4

When the LED is solid green, charging is complete.



### LED INDICATION

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 (see Charger Error Codes)

## Clearing errors

If there is a problem with the battery or the power adapter, the charger's 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
1 red flash	Power source error	Disconnect battery and USB-C power source. Check power source for compatibility.
2 red flashes	Battery voltage is too low	Disconnect and discontinue use of battery.
3 red flashes	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).
4 red flashes	The internal charger temperature is too high	Disconnect charger and allow charger to cool.
5 red flashes	Power adapter error	Disconnect battery and power adapter. Adapter is not sufficient to support charging.
6 red flashes	Battery connected to charger before USB-C power supplied.	Disconnect battery; wait for solid red LED on charger before reconnecting battery.
7 red flashes	Battery voltage is too high	Disconnect battery; battery is not compatible with the charger.
Alternating red and green	Charger has detected an internal error	Disconnect battery and power adapter. Discontinue charger use.

## 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.

## 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.

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

**1-888-TRAXXAS**

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