



RDX1NANO

QUICK START GUIDE



For the digital manual version,
scan or visit HitecRCD.com

INTRODUCTION

Congratulations on purchasing Hitec's RDX1 NANO Charger. This Quick Start Guide contains an abbreviated summary of the safety and operating procedures of the RDX1 NANO Charger. Please scan the QR code on the front cover and read the entire operating manual before using the RDX1 NANO Charger. If you are unsure of its proper operation after reading the manual, please contact service@hitecrcd.com or seek advice from an experienced hobbyist or someone familiar with proper battery charging procedures.



THE CHARGING AND DISCHARGING OF RC HOBBY BATTERIES CAN BE DANGEROUS. FAILURE TO FOLLOW THESE EXPLICIT WARNINGS CAN RESULT IN PROPERTY DAMAGE AND/OR LOSS OF LIFE.

NEVER LEAVE YOUR CHARGER UNATTENDED WHILE IN OPERATION.

NEVER CHARGE ON OR AROUND COMBUSTIBLE MATERIALS OR A DAMAGED BATTERY PACK.

LOW COST, NO-NAME BATTERY PACKS POSE THE MOST DANGER. WE RECOMMEND YOU ONLY USE BATTERY PACKS THAT ARE SOLD AND WARRANTIED BY A REPUTABLE COMPANY.

IT IS HIGHLY RECOMMENDED THAT YOU UTILIZE A SAFETY DEVICE SUCH AS A STEEL CASE OR LiPo SACK WHILE CHARGING LITHIUM CHEMISTRY BATTERIES.

IT IS HIGHLY RECOMMENDED THAT YOU KEEP AN OPERABLE "CLASS A" FIRE EXTINGUISHER IN THE CHARGING AREA.

PRODUCT FEATURES

BATTERY STATUS INDICATOR

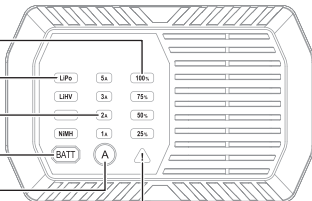
BATTERY TYPE INDICATOR

CHARGE CURRENT INDICATOR

BATTERY TYPE BUTTON

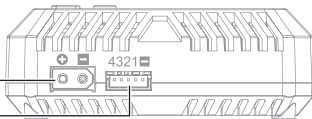
CHARGE CURRENT BUTTON

MALFUNCTION INDICATOR

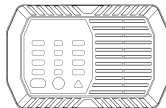


MAIN PORT

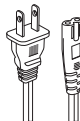
BALANCE PORT



CONTENTS



RDX1 Nano Charger



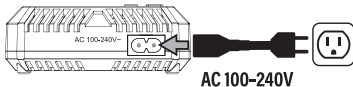
AC Power Cord

PRODUCT SPECS

INPUT VOLTAGE	AC 100V-240V 50/60Hz
Battery Types & Cell Counts	LiPo / LiHV / LiFe: 2-4 cell
	NiMH: 6-8 cell
CHARGING CURRENT	1A / 2A / 3A / 5A
CHARGING POWER	60W
BALANCE CURRENT	500mA MAX
CHARGE CUT-OFF VOLTAGE	LiPo: 4.20V $\pm$ 0.015V / cell
	LiFe: 3.65V $\pm$ 0.02V / cell
	LiHV: 4.35V $\pm$ 0.015V / cell
WORKING ENVIRONMENT	32°- 104°F (0°- 40°C) 5-75% Humidity (Non-Condensing)
STORAGE ENVIRONMENT	14°- 158°F (-10°- 70°C) 5-75% Humidity (Non-Condensing)
SIZE	4.33 x 2.76 x 1.50 mm
WEIGHT	0.373 lbs

CHARGER OPERATION

1 Connect to a power source.



2 Connect the battery.



3 Select Battery Type

Short-press the BATT button to select your battery type.

4 Select Charge Current

Short-press the A button to choose your charge current.

5 Start Charging

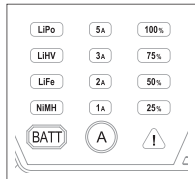
Press and hold the A button for two seconds to begin charging.

6 Status Indicators

During Charge: LED blinks green.
Complete Charge: LED remains green.

7 Stop Charging

Short-press the A button to stop the charging process.



LED STATUSES

LED Battery Status Indicator

LED Status	Explanation
Blinking green	Charging
Solid green	Charging complete

LED Malfunction Indicator

LED Status	Explanation
Rapid flashing red	Main port connection error
Slow flashing red	Balance port connection error
Solid red	The voltage difference between cells is 600mV

LED STATUSES

LED Battery Statuses Explanation

   	   	   	   
Capacity < 25%	$25\% \leq \text{Capacity} < 50\%$	$50\% \leq \text{Capacity} < 75\%$	$75\% \leq \text{Capacity} < 100\%$
Blinking green	25% light is solid green, and the 50% green light is blinking.	25% and 50% light is solid green, and the 75% green light is blinking.	25%, 50%, and 75% light is solid green, and the 100% green light is blinking.

LIABILITY EXCLUSION

This charger is designed and approved exclusively for use with the types of batteries stated in this Quick Start Guide. Hitec RCD USA accepts no liability of any kind if the charger is used for any purpose other than that stated. We are unable to ensure that you follow the instructions supplied with the charger, and we have no control over the methods you employ for using, operating and maintaining the device. For this reason, we are obliged to deny all liability for loss, damage or costs which are incurred due to any misuse or operation of our products. Unless otherwise prescribed by law, our obligation to pay compensation, regardless of the legal argument employed, is limited to the invoice value of Hitec RCD USA products which were immediately and directly involved in the event in which the damage occurred.

ONE YEAR LIMITED WARRANTY

For a period of one year from the date of purchase, HITEC RCD USA shall REPAIR OR REPLACE, at our option, defective equipment covered by this warranty. Otherwise, the purchaser and/or consumer is responsible for any charges for the repair or replacement of the charger. This warranty does not cover cosmetic damages and damages due to acts of God, accident, misuse, abuse, negligence, improper installation, or damages caused by alterations by unauthorized persons or entities. This warranty only applies to the original purchaser of this product and for products purchased and used in the United States of America, Canada and Mexico. Plastic cases are not covered by this warranty.

THE RDX1 NANO CHARGER WARRANTY IS VOID IF SOLD AND/OR OPERATED OUTSIDE THE UNITED STATES.

SERVICE AND REPAIR INFORMATION

- 1) Visit the Hitec website at www.hitecrcd.com and download the service request form.
- 2) Fill out the service request form completely and include a copy of your original receipt showing the purchase date.
- 3) Package your product in its original packaging or use suspension packaging (such as foam peanuts). Hitec RCD USA shall not be responsible for goods damaged in transit.
- 4) Ship prepaid (COD or postage-due returns will not be accepted) via a traceable, common courier (UPS, insured parcel post, FedEx, etc.) to:
Hitec RCD USA / Customer Service Center, 9320 Hazard Way, Suite D. San Diego, CA 92123



THIS MANUAL IS SUBJECT TO CHANGE, REFER TO OUR WEBSITE FOR THE LATEST VERSION: HITECRCD.COM

Hitec Group USA hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Please contact service@hitecrcd.com to obtain a copy of the EU Declaration of Conformity.

