



RDX4 1000

Quick Start Guide



For the full Instruction Manual,
scan or visit [HitecRCD.com](https://hitecrcd.com)

WARNING

Congratulations on purchasing Hitec's RDX4 1000 AC/DC Multi-function Smart Charger. This Quick Start Guide contains an abbreviated summary of the safety and operating procedures of the RDX4 1000 Charger. Please scan the QR code on the front cover and read the entire operating manual before using the RDX4 1000 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.

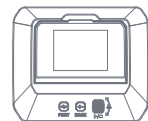
NEVER CHARGE A DAMAGED BATTERY PACK.

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.

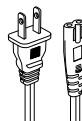
IT IS HIGHLY RECOMMENDED THAT YOU UTILIZE A SAFETY DEVICE SUCH AS A STEEL CASE OR LiPo SACK WHILE CHARGING LITHIUM CHEMISTRY BATTERIES.

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

PACKAGING CONTENTS

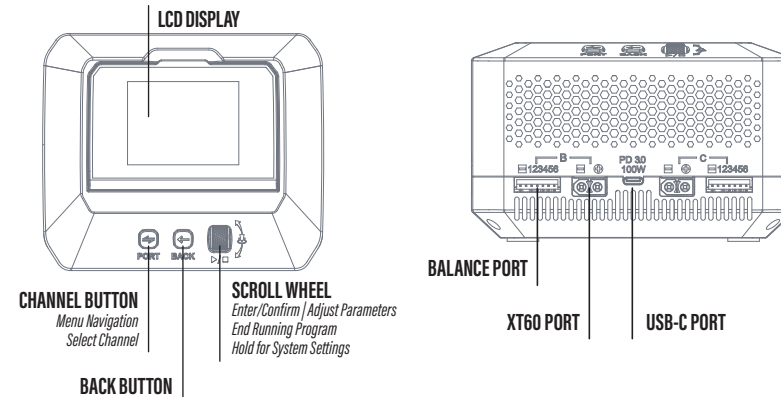


RDX4 1000 Multicharger



AC Power Cord

PRODUCT FEATURES



CHARGE VOLTAGE SETTING RANGE

	LiPo	Li-ion	LiFe	LiHV	NiMH	NiCd	Pb
Nominal Voltage	3.7V/cell	3.6V/cell	3.3V/cell	3.8V/cell	1.2V/cell	1.2V/cell	2.0V/cell
Max Charge Voltage	4.15-4.25V per cell	4.05-4.25V per cell	3.58-3.70V per cell	4.25-4.50V per cell	—	—	2.30-2.75V per cell
Storage Voltage	3.75-3.90V per cell	3.70-3.85V per cell	3.25-3.40V per cell	3.85-3.95V per cell	—	—	—
Fast Charge Current	≤1C	≤1C	≤1C	≤1C	≤1C	≤1C	≤0.4C
Min. Discharge Voltage	3.0-3.4V per cell	2.9-3.3V per cell	2.6-3.0V per cell	3.1-3.5V per cell	0.6-1.0V per cell	0.6-1.0V per cell	1.8-2.0V per cell

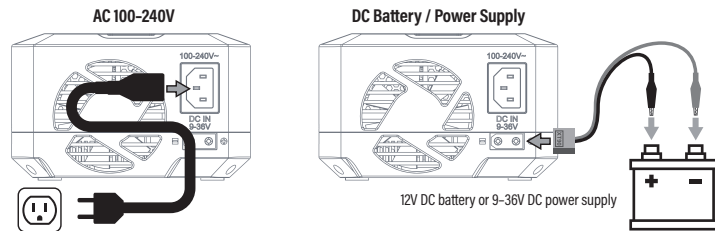
PRODUCT SPECIFICATIONS

INPUT VOLTAGE	AC DC	100-240V (50/60Hz) 9-36V
INPUT CURRENT	AC DC	7A MAX 50A MAX
BATTERY TYPE	LiPo / LiFe / Li-ion / LiHV	1-6 cells
	NiMH / NiCd	1-15 cells
	Pb	3 / 6 / 12 cells
WORKING MODES	LiPo / LiFe / Li-ion / LiHV	Charge / Balance / Discharge / Storage / Reverse Discharge (Ports B/C)
	NiMH / NiCd	Charge / Repeak / Discharge / CYCLE_C_D / CYCLE_D_C
	Pb	Normal / AGM / Cold / Discharge
CHARGE CURRENT	LiPo / LiFe / Li-ion / LiHV	A/D: 0.1-0.5A (±0.1A), 0.6-15A (±10%) B/C: 0.1-0.5A (±0.1A), 0.6-25A (±10%)
	NiMH / NiCd	0.1-0.5A (±0.1A) 0.6-10A (±10%)
	Pb	0.1-0.5A (±0.1A) 0.6-15A (±10%)
DISCHARGE CURRENT	—	0.1A (±0.05A) 0.2-2.0A (±10%)
BALANCE CURRENT	LiPo / LiFe / Li-ion / LiHV	1.5A MAX
CHARGING POWER	—	AC: Up to 500W (±10%) DC: A/D 250W Each, B/C 500W, 1000W Total
TYPE-C USB PORT	—	PD3.0 100W 5 / 9 / 12 / 15V @ 3A; 20V @ 5A
DISCHARGE POWER	—	Main Port: 10W (±2W) Balance Port: 24W MAX
TRICKLE CHARGE CURRENT	NiMH / NiCd	100-500mA / OFF, 10mA per step, Default OFF
DC POWER SUPPLY	VOLTAGE	1.0-30V
	CURRENT	A/D: 0.1-15A B/C: 0.1-25A
	POWER	A/D 250W Each, B/C 500W, 1000W Total
WORKING ENVIRONMENT	—	32-104°F (0-40°C) 5-75% Humidity
STORAGE ENVIRONMENT	—	14-158°F (-10-70°C) 5-75% Humidity
DIMENSIONS	—	5.75 x 4.84 x 3.46 in
WEIGHT	—	2.659 lbs

POWER & BATTERY CONNECTION

1 Connect to a power source.

There are two input options for the RDX4 1000: AC (100-240V) or DC (9-36V).



2 Connect the battery.

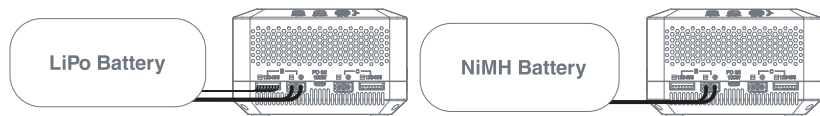
A) LiPo Battery Connection with Balance Adapter

For safety reasons, it is highly recommended to charge Lithium batteries (LiPo, Li-ion, LiFe and LiHV) using Balance CHG mode unless the battery comes without a balance connector.

The battery connector must be connected to the charger with the black wire aligned with the negative marking. Ensure correct polarity!

WARNING!
TO AVOID SHORT CIRCUITS, ALWAYS CONNECT THE CHARGE LEADS TO THE CHARGER FIRST AND THEN TO THE BATTERY. REVERSE THE SEQUENCE WHEN DISCONNECTING.

B) NiMH/NiCd or Pb Battery Connection



CHARGING SETUP

A	LiPo	15.0A	24.7V	1269mAh
B	LiFe	5.98A	14.11V	1125mAh
C	LiPo	-0.92A	22.06V	576mAh
D	NiMH	5.21A	6.45V	123mAh

SELECT PORT

Use the scroll wheel to select your desired port.

CHARGE SETTINGS	
Battery Type	1S
Cell Count	2S
Task	3S
Condition	4S
Charge Current	5S
Start	6S

SELECT BATTERY TYPE

Using the scroll wheel, select the cell count of the connected battery.

CHARGE SETTINGS	
Battery Type	2.7A
Cell Count	2.8A
Task	2.9A
Condition	3.0A
Charge Current	3.1A
	3.2A
Start	3.3A

SELECT CHARGE CURRENT

Using the scroll wheel, select the desired working current.

Charge Setting	
Battery Type	LiPo
Cell Count	6S(22.2V)
Task	Bal. CHG
Condition	4.20V
Cycle	0
Charge Current	12.0A

ENTER CHARGE SETTINGS

Press the scroll wheel to enter Charge Settings.

CHARGE SETTINGS	
Battery Type	LiPo
Cell Count	6S
Task	Bal. CHG
Condition	Charge
Charge Current	Storage
Start	Discharge

SELECT TASK

Using the scroll wheel, select the desired working mode.

CHARGE SETTINGS	
Battery Type	LiPo
Cell Count	4.8V
Task	CHG
Condition	4.20V
Charge Current	3.0A
Start	

SELECT TO APPLY ALL

Select the Start button, then select to apply settings to all ports or not.

CHARGE SETTINGS	
Battery Type	LiPo
Cell Count	LiHV
Task	LiFe
Condition	Lion
Charge Current	NiCd
Start	NiMH
	Pb

SELECT BATTERY TYPE

Using the scroll wheel, select the type of battery connected.

CHARGE SETTINGS	
Battery Type	4.17V
Cell Count	4.18V
Task	4.19V
Condition	♥ 4.20V
Charge Current	4.21V
	4.22V
Start	4.23V

SELECT CUT-OFF VOLTAGE

Using the scroll wheel, select the desired cut-off voltage.

Charge Setting	
Start	
Back	

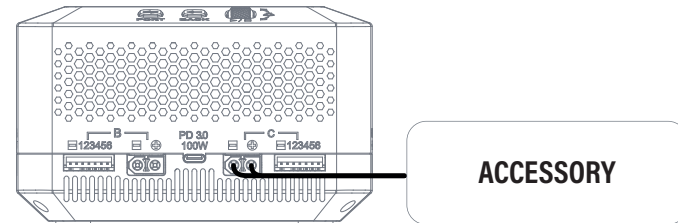
START

Press the scroll wheel to begin. Press again to stop.

DC POWER

THE DC POWER SUPPLY FUNCTION IS INTENDED AS A SUPPLEMENTARY OUTPUT FOR RC ACCESSORIES (TIRE WARMERS, TIRE SANDERS, ETC.) IT IS NOT DESIGNED TO SUPPORT CAPACITIVE LOADS SUCH AS RC CHARGERS OR POWER SUPPLIES.

1. Connect your desired DC device.
2. Hold the Scroll Button for five seconds to enter System Settings.
3. Select DC Power and adjust the output voltage and current.
4. Press the Scroll Button to activate the power function after setting.



On the DC Power Interface, press the Port button to switch between Ports A, B, C & D.

The manual is subject to change without notice;
please refer to our website for the latest version.

HitecRCD.com

WARRANTY AND SERVICE

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. Plastic cases are not covered by this warranty.

THE RDX4 1000 CHARGER WARRANTY IS VOID IF SOLD AND/OR OPERATED OUTSIDE THE UNITED STATES.

SERVICE AND REPAIR INFORMATION

To have your Hitec charger serviced, follow these steps:

- 1) Visit the Hitec website at www.hitecrd.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 a suspension-type packaging (foam peanuts or crumpled newspaper). 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, 9760 Birch Canyon Pl., San Diego, CA. 92126

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@hitecrd.com to obtain a copy of the EU Declaration of Conformity.

