





INSTRUCTION MANUAL

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INTRODUCTION

Congratulations on your purchase of the Reedy 423-S 35W Compact Balance Charger.

Easy to use and in a compact package, all functions are controlled with a single button. The charging process is as simple as connecting your battery, selecting the battery type, and pressing the start button.

Because the 423-S is capable of charging LiPo, LiFe, NiMH, or NiCd batteries, it's a one-stop solution for enthusiasts who want the flexibility to charge a variety of different battery types and configurations for a variety of vehicle types and scales.



FEATURES

- AC 100-240V power input
 LiPo/LiFe/NiMH/NiCd
- LiPo/LiFe/NiMH/NiCd compatible
- Automatic charge rate selection
- Automatic capacity and cell count detection
- Simple one-button operation

- LED charge status indicators
- T-plug output connector
- Integrated XH-style balance ports
- Reverse and short-circuit protection
- Safety timer

SAFETY PRECAUTIONS

This product is a sophisticated hobby product and not a toy. It must be operated with caution and common sense. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended to be used by children without direct adult supervision. It is essential to read and follow all instructions and warnings found in this manual prior to installation, set up, and use, in order for the product to operate properly and to avoid damage or injury.

WARNINGS

- ALWAYS observe warnings and cautions included with your battery.
- NEVER charge a LiPo battery that is swollen or appears damaged in any way.
- NEVER charge any battery type other than LiPo, LiFe, NiMH, or NiCd. This charger is not compatible with lithium ion or lead acid batteries
- ALWAYS place the battery and charger on a heat-resistant, non-flammable, and non-conductive surface away from flammable materials and volatile materials.
- ALWAYS place the battery in a fireproof container during the charging process.
- ALWAYS double-check all connections prior to starting the charging process.
- NEVER leave the charger unsupervised during use. If any malfunction is observed, immediately terminate the charging process.
- ALWAYS remove the battery from the charger and unplug the charger from the wall when not in use.
- NEVER leave the battery plugged into the charger when the charger is unplugged from the wall
- ALWAYS keep the charger away from moisture, dust, heat, direct sunlight and vibration. Do not drop it.

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SPECIFICATIONS			
AC Input		100-240V (360-330W)	
Charger Circuit Power		35W	
Maximum Charge Rate		4.0A	
Cell Count	LiPo/LiFe	2S - 3S	
	NiMH/NiCd	1-8 Cells	
Dimensions (mm)		128 x 66 x 37	
Weight (g)		206	
Charge Connector		T-Plug	
Balance Connector		XH	



POWERING YOUR CHARGER

Place the charger on a non-flammable surface and then plug the AC power cord provided into an appropriate wall socket. When plugged in, the LiPo Status LED will turn green.

CHARGING PROCEDURES

Connect the battery to the charger by plugging it into the charger's Main
Output and place the battery in a fireproof container on a non-flammable
surface. If charging a LiPo or LiFe battery, the battery's balance
connector must be plugged into the appropriate Balance Port.





- Press the Start/Stop/Select button to select the desired battery type depending upon the battery type currently connected.
- To start the charging process, press and hold the Start/Stop/Select button until the green LED turns red to indicate that the charging process has started. The charge rate is automatically determined (maximum 1.5C or 35W) based on the charger's calculation of the battery's capacity and internal resistance to ensure a safe charge.
 NEVER leave the charger and battery unattended during the charging process.
- When the charging process is completed, the status LED will turn green.
 When charging a LIPo or LIFe battery, the Status LED will turn orange when the battery has reached 90% capacity and then turn green once fully capacity is reached. The charging process can be stopped at any time by pressing the Start/Stoto/Select button.
- Disconnect the battery from the charger and unplug the charger from the wall socket.

Note: When the charging process begins, a two hour internal safety timer is automatically started. If the battery pack malfunctions or fails to finish charging within two hours, the timer will automatically stop the charging process and all Battery Type/Status LEDs will blink green.

4

LED ERROR CODES

· All turn red

The charger or battery has experienced a failure. First try another battery. If this does not fix the problem, unplug the charger immediately and return it to Reedy for repair.

. LiPo and LiFe turn red

The output cable or balance port connection with the battery is bad. Disconnect and reconnect both of them and restart the charging process.

LiPo and NiCd turn red

The battery voltage is higher than the maximum voltage range or the battery cell count exceeds the charger's limit. Please check the battery and is confirmed to be okay, restart the charging process,

NiMH and NiCd turn red

The battery voltage is lower than the minimum voltage range or the battery connection is bad. Please check the battery connections and if confirmed to be okay, there may be a problem with the battery.

. LiPo and NiMH turn red

The incorrect battery type has been selected. Choose the correct battery type and then restart the charging process.

All blink green

The two hour maximum charge time has been exceeded.

WARRANTY

Your Reedy 423-S 35W Compact Balance Charger is warranted to the original purchaser for 90 days from the date of purchase, verified by the sales receipt, against defects in material and workmanship. Product that has been mishandled, abused, used incorrectly, used for an application other than intended, or damaged by the user are not covered under warranty. Associated Electrics Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.

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