



Instruction Manual



Definite instructions from LED lights.



Auto-measurement capacity.



Anti-skid design on both side.



Delicate design, being portable.



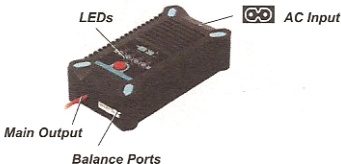
Implant High-powered MPU.



Plug and Play and convenient.

Product Introduction

The B3 35W charges 2S to 3S LiPo, LiFe and 1 to 8 cell NiMH battery packs with just the press of a button. Everything is automatic, so there's no complicated guesswork. You get a safe, high-quality charge every time. It's the easiest charger you'll ever use!

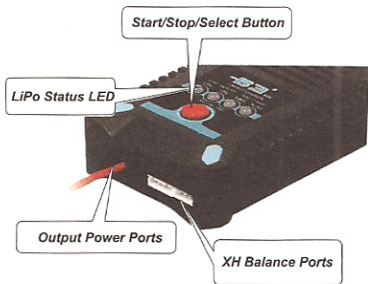


Specifications

- *Automatic Detection of Battery Cell Count and Capacity*
- *Automatically Sets Charge Output*
- *Integrated Cell Voltage Balancer for Lipo Batteries*
- *Highly Accurate Lipo Balance Charging +/- .01V*
- *High-Power, High-Performance Charge Circuit*
- *XH-Style Lipo Balance Ports*
- *Power Input: AC 100 to 240V*
- *Power Output: 35 Watts*
- *Charge Rate: Up to 1.5C*
- *Charge current: Up to 4.0A*
- *Battery Type: LiPo, LiFe 2 to 3 Series / NiMH 1 to 8 Cells*

OVERVIEW AND CONTENTS

Use the photos below to familiarize yourself with the various connections and controls of the iMaxrc.



Use the information in this section to connect the B3 35W and your battery. Failure to make the connections correctly can result in damage to the charger and/or your battery.

1

Connect the charger to its power source, using the AC power cord provided. When connected to power, the charger will make a single audible tone and the LiPo Status LED will illuminate green.

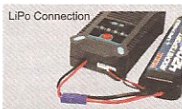
2

Plug your battery into the output power adapter cord. If you're charging a LiPo battery, plug its balance connector into the matching balance port on the charger, too.

NiMH Connection



LiPo Connection



Charging your battery

The charge rate of 1.5C is variable and is automatically determined by the charger. When charging a LiPo battery, the charge rate used is based on the charger's calculation of the LiPo battery's capacity and internal resistance while charging to ensure a safe charge. When charging NiMH batteries, the charge rate used is based on capacity too. The charger's maximum power output is 35 watts, so larger capacity LiPo and NiMH batteries will not charge at 1.5C, but rather at the 35 watt total output.

The charger features a two hour safety timer. When the charging process is started, an internal safety timer is automatically started. If the battery pack malfunctions or fails to peak, the timer will automatically stop the charging process after 2 hours. This two hour safety timer should allow enough time to fully charge even the largest capacity battery packs you might use.

1. Press the Start/Stop/Select button to select the desired battery type, either LiPo, LiFe or NiMH, depending on the battery type currently connected.

2. Press and HOLD, then release the Start/Stop/Select button to start the charging process. The status LED of the battery type you selected will turn red, indicating the charging process has started.

3. Allow the charger to charge your battery. When the charging process has completed, the status LED will turn green and an audible chime will sound.

If charging a LiPo battery, the LiPo status LED will turn orange when the battery is charged to 90% capacity, then will turn green when charged to full capacity as described above.

The charging process can be stopped at any time by pressing the Start/Stop/Select button.

4. After the charging process completes, unplug your battery from the charger, then unplug the charger from its power source.

If the battery is left connected to the charger, an audible chime will sound once every minute to remind you to remove the battery from the charger. The charger does not trickle charge after the charging process completes, as LiPo, LiFe and NiMH batteries are susceptible to damage if overcharged.

Fault description

If the charger detects a fault, an error will be displayed, indicated by a flashing status LED (or LEDs) and an audible chime.

LiPo Status LED Flashes Red with Audible Chime

The balance connector has been unplugged during the charging process. Press the Start/Stop/Select button to reset the charger, then plug the balance connector back in and restart the charging process.

LiPo Status LED Flashes Green with Audible Chime

The balance connector is not plugged in or has been plugged into the incorrect balance port. Press the Start/Stop/Select button to reset the charge, then plug the balance connector into the correct balance port and restart the charging process.

LiPo, LiFe or NiMH Status LED Flashes Red with Audible Chime

· A cell (or cells) in the battery pack is bad or an individual cell's voltage is too high or too low. If after checking the cells, they are determined to be okay, unplug the charger from its power source, then plug it back in and try starting the charging process again. If the fault occurs with a different battery pack, there could be an internal fault with the charger.

LiPo, LiFe or NiMH Status LED Flashes Green with Audible Chime

· The incorrect battery type has been selected. Press the Start/Stop/Select button to reset the charger, then choose the correct battery type for the battery you're charging and restart the charging process.

LiPo, LiFe or NiMH Status LED Flashes Red and Green with Audible Chime

· The battery has been disconnected during the charging process. Press the Start/Stop/Select button to reset the charger, then plug the battery in and restart the charging process. The charger's output current is too low or too high and/or the charger's internal temperature is too high. Disconnect the charger from its power source and allow it to cool, then reconnect the charger and restart the charging process. If the fault continues to occur even when the charger is cool, there could be an internal fault with the charger.

Charger accessories

*Manual * 1 AC Input cable * 1 Charger * 1*

Warnings and safety notes

These warnings and safety notes are important and must be followed closely. Please abide by this information and follow the instructions in this User's Guide closely for maximum safety, otherwise the charger and/or your battery may be severely damaged. Failure to follow these instructions can also result in fire, injury to your person or others, or loss of property.

Only use the charge with LiPo, LiFe or NiMH battery types. Do not attempt to charge any other battery type. This charger is not compatible with Lilo or NiCd batteries.

Observe any cautions and warnings included with your battery.

Never leave the charger unsupervised during use. If any malfunction is observed, immediately terminate the process.

Keep the charger away from moisture, dust, heat, direct sunlight and vibration. Do not drop it.

The charger is designed to be powered by 100 to 240V AC power source only.

Double-check all connections prior to starting the charge process.

The charger and the battery to be charged should be placed on a heat-resistant, non-flammable and non-conductive surface. Never place them on a car seat, carpet or similar. Keep flammable and

volatile materials well away from the operating area.

When charging LiPo batteries, we suggest using a LiPo charging safety bag, available from most hobby retailers.

Never charge a LiPo battery that is swollen in any way.

Security Code Query

Please go and visit the website:

<http://www.imaxrc.com/info/index.aspx>

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BA³ 35W

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