

maxam

INVADER 50

COMPACT CHARGER

AC/DC

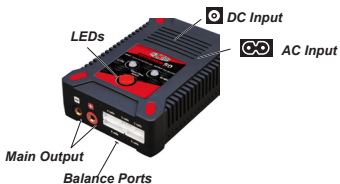


Instruction Manual

www.maxam.dk

Product Introduction

The B6 AC compact charges 2S to 6S Lipo and 1 to 15 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!

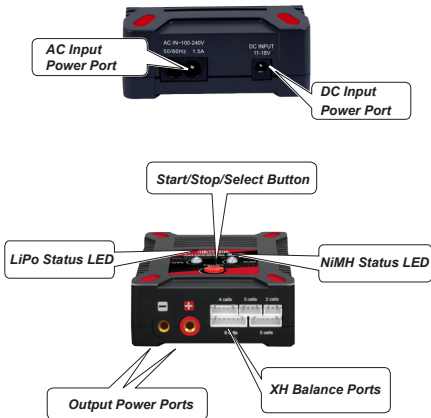


Specifications

- 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: DC 11 to 18V / AC 100 to 240V
- LiPo Charge Rate: Up to 5.0 Amps (50 Watts Max)
- NiMH Charge Rate: Up to 4.0 Amps
- Power Output: 50 Watts
- Charge Rate: Up to 1.5C
- Battery Type: Lipo 2S to 6S (Series) / NiMH to 15 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 B6 AC 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 either the AC power cord or the DC power cord provided. When connected to power, the charger will make a single audible tone and the LiPo Status LED will illuminate green.

When connecting to a DC power source, make sure to observe correct polarity - red to positive and black to negative. Do not connect both power inputs to the charger at the same time!

2

Plug the output power adapter cord into the output power ports of the charger, making sure to observe correct polarity (red to red and black to black)



3

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.

Depending on the power connector on your battery, you may need to use an adapter or change the connector to match.

In addition,if your LiPo battery does not feature an XH balance connector,an adaptor board can be used.For more information,refer to the notice on previous page.

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 50 watts, so larger capacity LiPo and NiMH batteries will not charge at 1.5C, but rather at the 50 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 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 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 and NiMH Status LED Flashes Red with Audible Chime

The charger's input voltage is too high(greater than 18V).Disconnect the charger and reconnect to a power source within the recommended specification (DC 11 to 18V).

Fault description

LiPo 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.Contact Customer Service using the information in the Service and Support section on page 2.

LiPo 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 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.

Obtaining warranty service

Before returning your product for warranty consideration, the status of the unit must be within the terms of the Warranty Information section on the previous page. When requesting warranty service, please observe the following:

- Include a note detailing the problem or service you are requesting. Include your daytime phone number, shipping address and your Email address in the event we need to contact you.***
- If your product is out of the warranty period you may request an estimate of services at the time you return it for service. An omission of this request implies permission for Global Services to service your product at our discretion.***
- If it's determined that your product cannot be warranted, you will be contacted with an estimate of repairs.***
- Carefully pack the product to prevent any chance of shipping damage, then send the package to the address below. We recommend using United Parcel Service, Federal Express or Insured Mail. Postage is nonrefundable.***
- If you have any questions or concerns about the warranty status of your product or you need more information about the procedure for returning your product, please contact us first.***



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