



Instruction Manual



Definite instructions from LED lights.



Auto-measurement capacity.



Anti-skid design on both side.



Delicate design, being portable.



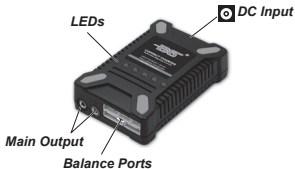
Implant High-powered MPU.



Plug and Play and convenient.

Product Introduction

Thank you for purchasing iMaxRC B6 Compact Easy balance charger. This charger is compact and light, which can only charge 2s,3s,4s,5s,and 6s Lipo battery pack, especially there port separated corresponding balance port for each battery pack. Before using it, please read the user manual carefully.



Specifications

Operating voltage range: DC11.0~18.0Volt

Charge power: 50W

Charge current range: Charging process will estimate battery capacity continually and charge current is set to maxim but less than 5 A

balancing current: 200mA/cell

Lipo cell count: 2~6 series

Dimensions: 115x75x28 mm

Charging Operating

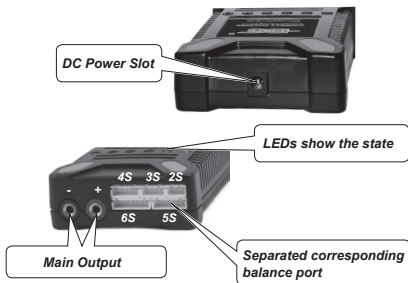
1

Insert the power supply, the buzzer rings half a second, all the

lights are green color show that the charger boot normally, waiting for the battery inserted.

After the rechargeable battery inserted correctly, the corresponding light become red color and start charging.

After charging period of time, if all lights change to orange color, it shows the battery capacity has reached to 90% above, when if all lights change to green color, it explains that the battery has already full. And the buzzer rings every minute, until the battery is took off.



2

Connect the proper Lipo battery(2~6 cells) with charger as following:



3

When the battery and charger are connected as above, the charger will get into the charging program automatically, the charging current is automatically set by charger. Please Note: if the battery and charger are connected incorrectly, Insert wrong (against the right direction), the charger will not begin to charge and send an alert (buzzer rings, light flashes).

4

6 indicator lights correspond to the cells inserted separately. The indicator light corresponding to the port no cell being charged turns green, while the indicator light corresponding to the port with cell being charged turns red. When one cell is fully charged, the corresponding indicator light will turn green.

Features

1. New technology, automatic detection of battery capacity, regardless of the size of the capacity of the battery, take the most appropriate current to charge the battery faster until the battery is fully charged.

- 2. High accuracy, when the battery is fully charged, the voltage of each cell is: $\text{LiPo}(4.20 \pm 0.01\text{V})$.*
- 3. Easy to use and operate.*
- 4. The charging state of each cell is clearly showing.*

Fault description

- 1.. If the indicator light is red and blinks, please check if the balance port is connected completely, and check if the functions of cell which correspond to this indicator is good. (Please Note: when the indicator blinks red, this state must be reset by cutting off power, so when the indicator blinks red, firstly please check whether the corresponding cell is normal and the balance port is connected well, if both of them have no problem. Then go to cut off power for a while, and turn on power to recharge.*
- 2. The input voltage is too high (more than 18V), the red lights is rolling in the middle and send out sharp sound.*
- 3. The input voltage is too low (less than 11 V), the green lights is rolling in the middle and send out the sharp sound.*
- 4. After a battery connected, if the voltage of which cell is too high, the corresponding light will blink (between red and green colors) while other lights are green color, and sent out the sharp sound.*
- 5. After a battery connected, if the voltage of which cell is too low, the corresponding indicator will blink (between red and green colors) while other lights are red color, and sent out the sharp sound.*
- 6. Other errors, such as insert the balance port in the wrong direction, disconnect the main charging mouth during charging processes suddenly, etc. Then all lights flashing between red and green colors, and send out the sharp sound.*

Connecting with adapter

The minimum power of the adapter requires more than 50 W and the voltage should be between DC11 ~ 18V.

*iMaxRC Recommended adapter: iMaxRC 12V 5A power adapter
(for imaxrc B6 series adapters)*

Chargers accessories



Caution

- 1. Always refer to battery specifications before using the charger.*
- 2. Please notice the positive and the negative while charging and using battery packs.*
- 3. The main cable and balance cable should be connected well as the picture suggests, or the charger will get damage.*
- 4. Never leave the working charger unsupervised.*
- 5. Never let children operate the charger without supervision from an adult.*
- 6. Use the charger in a well-ventilated area, away from people and electrically conductive or inflammable materials.*
- 7. The charger can become hot during use. Take great care before handling it.*

8. If the battery has suspicious reactions during the charge or discharge, such as overheating, venting or leaking , immediately disconnect the battery and store it in a safe location, away from people and inflammable materials.

9. If any unusual happened to the charger being powered , stop charging and check the manual immediately.

10. Keep the charger well away from dust, damp, rain, heat, direct sunshine and vibration. Never drop it.

11. Operate the charger during the allowable input voltage.

12. The charger and the battery should be put on a heat-resistant, noninflammable and nonconductive surface. Never place them on a car seat, carpet or similar. Keep all the inflammable, volatile materials away from operating area.

13. Make sure your battery meets the requirements of the charger.

14. People who have no idea about the charger never try to use it. We are not responsible for damage to people caused by all kinds of reasons, and fire disaster caused by chargers. Please operate safety.



Security Code Query

Please go and visit the website:

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

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产品介绍

感谢您购买iMaxRC的B6简易平衡充电器。这款充电器非常轻便小巧，能够充2S，3S，4S，5S和6S锂电池组，它自动判断电池容量，并采用最合适的电流充电。使用之前，请仔细阅读该使用说明书。



详细参数

输入电压范围：直流电11-18V。

最大充电功率：50W。

充电电流：充电过程会不断估算电池容量，并根据容量自动调节电流，最大不超过5A。

平衡电流：200mA/节。

锂电池数：2-6节。

尺寸：115*75*28mm。

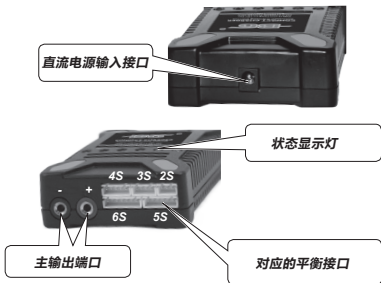
充电操作说明

1

插入电源后，蜂鸣器响半秒，指示灯全为绿灯，说明开机正常，等待电池插入。

当充电电池正确插入后，对应的指示灯变成红色并开始进行充电。

充电一段时间后，如果红色的灯变成橙色，说明电池容量已达到90%以上，当橙色变为绿色时，说明电池已充满。并且蜂鸣器没分钟响一次，直至电池完全拔出。



2

按下图所示，将适用于平衡充电的2-6节锂电池和充电器连接起来。



3

当电池和充电器连接好之后，充电器会自动进行充电，充电电流由充电器检测电池容量而自动设置。如果电池和充电器连接不正确（插错、反），充电器不会开始充电，并发出警告（蜂鸣声器响，指示灯闪烁）。

4

6个指示灯分别对应平衡口每节电池的状态。对应的插口没有电池充电，指示灯会变成绿色，如果有电池充电，指示灯会变成红色。当电池充满电时，指示灯会变成绿色。

主要特点

1. 全新的技术，自动检测电池容量，无论大小容量的电池，都采取最适当的电流对电池充电，又快又好地将电池充电。
2. 平衡精度高，当电池充满电后，每节电池的电压是 $4.20 \pm 0.01V$ 。
3. 容易使用和操作。
4. 每节电池的充电状态都能一一得知。

故障说明

1. 如果指示灯闪烁红光，请检查平衡接口是否正确连接，然后检查对应该指示灯的电池功能是否正常。注意：当指示灯闪烁红光时，首先检查电池是否正常，平衡接口是否连接正确。
2. 输入电压过高（高于18V），红色的灯依次往中间滚动，并发出急促的响鸣声。

4. 输入电压过低（低于11V），绿色的灯依次往中间滚动，并发出急促的响鸣声。
5. 连接电池后，若某节电池电压过高，则对应的灯一直闪烁（红、绿交替）而其它的灯为绿色，并发出急剧的响鸣声。
6. 连接电池后，若某节电池电压过低，则对应的灯一直闪烁（红、绿交替）而其它的灯为红色，并发出急剧的响鸣声。
7. 其它错误，如平衡口插反，充电过程中突然断开主充电口等，则所有指示灯红、绿交替闪烁，并发出急促的响鸣声。

适配器

要求适配器的最小功率在50W，电压在DC11~18V之间。

推荐适配器：imaxrc. 12V 5A电源适配器（适用于imaxrc B6系列适配器）。

充电器配件



充电器使用警告

- 1、使用本充电器必须要有相关的航模专业知识，并请查阅相关说明书。

- 2、给电池组充电和使用电池时注意电池的正负极与充电器的正确连接。
- 3、不按图示接线会损坏充电器，主电池线和平衡线都应在充电前如图所示接好。
- 4、由于市面电池良莠不齐及电池的物理特性和电池类型不同，所以充电器在任何时候都不可在无人监管的情况下工作，切勿在充电器旁放置易燃物，建议放置灭火器等消防设备。
- 5、未成年人不可在无成年人监管的情况下使用充电器。
- 6、请在通风良好处使用充电器，并且远离人群及易导电、易燃物品。
- 7、在使用时，充电器与电池都会有一定程度的发热，请在用手接触它们前注意温度，避免烫伤。
- 8、如果在充电或放电使用过程中，发现电池有可疑的反应：如过热，排气，泄露等迹象产生，请立即断开充电器与电池的连接，并将其放置到安全处，远离人群及易燃物品。
- 9、当充电器接上电源时，要留意如发现任何异常，立刻停止充电，并查阅操作手册。
- 10、保持充电器远离灰尘、潮湿、雨淋、热源、阳光直射以及振动、跌落。
- 11、请在允许输入电压的范围内使用充电器。
- 12、充电器和电池使用时必须放置在隔热、不易燃、绝缘的表面，不要将它放在汽车座位、地毯或类似的地方。保持所有易燃、易挥发物远离操作区域。
- 13、请确保你的电池符合充电器的要求。
- 14、对于充电器，如果不具备专业的知识请勿使用。本公司不承担因为各种原因造成的人身伤害；因使用充电器而引起的火灾等事故，本公司概不承担，请安全操作。



防伪查询

如需了解更多产品，请登陆我们iMaxRC的官方网站：
<http://imaxrc.com/info/index.aspx>

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