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### Pro Charger Dock (USB) 4-Slot / (AC) 8-Slot NiMH with LCD

#### Instruction Manual

- Features**
- Charging of 1–8 pcs of AA / AAA NiMH rechargeable batteries via battery charger(s) simultaneously
  - Selectable Fast Charging, Eco Charging, Capacity Check, Conditioning, Refresh and Recovery modes for each of all batteries simultaneously
  - LCD display
  - Compatible charging for any GP 4-slot NiMH USB Charger\*
  - \*Exact Models: B421, M451 & P461
  - (B421 & M451 support charging only, P461 is required for extended function modes).

#### Charging instructions

- Read the instruction manual thoroughly before use. Keep the manual for future reference.**
1. D461: Connect the micro USB end of the USB charging cable to the Micro USB port of the charger dock (Fig. 1a). D861: Connect the round plug of the AC wall charger to the charger dock (Fig. 1b).
  2. D461: Connect the other end of the USB cable to a 2.0 A USB wall charger or other 2.0 A (or above) USB socket (Fig. 1a). D861: Plug the wall charger into a wall socket (Fig. 1b).
  3. Insert NiMH rechargeable batteries into battery charger(s). Ensure correct polarity by matching the "+" and "-" symbols on the battery jacket with the markings on the charger (Fig. 2).
  4. Place the battery charger(s) onto the charger dock (Fig. 3).
    - a. If connected to a power source of less than 5V/2A, the charger dock may shut down. This will be indicated by red & green flashing LEDs and an empty flashing battery icon (⚡) in the display. Connect the dock to a power source of at least 2A and reset the charger by removing and re-inserting it into the dock.
  5. Repeat the steps below to customize the charging of each battery (Fig. 4a).
    - a. For D861 only: Press the Slot Selection button (⏏) to select the slots(S) (Slot A, B or ALL) (Fig. 4b).
    - b. Press the Battery Selection button (⏏) to select one to 4 batteries in the slot.
    - c. Press the Function Mode button (⏏) to select one of the six function modes for the selected battery/batteries (see "Function Modes").
    - d. Press the Confirmation button (✓) to confirm the selected mode and start charging.
    - e. During charging, press and hold the Function Mode button (⏏) for about 2 seconds to edit the function mode. After editing, press and hold the button again for about 2 seconds to continue the function program. The selected mode will be indicated by the battery icons on the display will show the charging status and progress of the batteries. Refer to Fig. 4c for charging status and Fig. 4d for charging progress.
  7. Once the batteries are fully charged, remove the charger(s) from the charger dock. Remove the batteries from the charger(s) and disconnect the charger dock from the power supply.
  8. Press the Pause/Resume button (⏏) to pause or resume the function mode of the selected battery/batteries. The selected mode will be indicated by the battery icons on the display will show the charging status and progress of the batteries. Refer to Fig. 4c for charging status and Fig. 4d for charging progress.
  9. Replace the batteries if the aging icons (1) shows on the display for that particular channel (Fig. 4c (d)).
  10. For charger usage instructions, please refer to the corresponding instruction manual of GP 4-slot (B421, M451& P461) NiMH USB Charger.

**For best performance and safety, always use GP NiMH batteries.**

#### Function modes

- See below and Fig. 4e for function of each function mode. To select any of these six function modes for a specific battery refer to the "Charging instructions" section.
- a) Fast Charging Mode (Default charging mode)** ⚡  
This mode will automatically start after 5 seconds when a battery charger is placed in the charger dock and no other function mode is selected (Approx. charging time for AA 2100 mAh / AAA 850 mAh batteries: 1.3–2.6 hours, 1–4 pcs).
  - b) Eco Charging Mode ECO**  
Use this mode to optimize the NiMH battery lifespan (Approx. charging time for AA 2100 mAh / AAA 850 mAh batteries: 4 hours).
  - c) Capacity Check Mode** 📊  
Use this mode to check the maximum battery capacity of a slow charging or aging battery. The process may take 10–20 hours for discharging and recharging of the battery.
  - d) Conditioning Mode** ⚡  
Use this mode to restore a battery which has been over-discharged or which has been stored for more than a year. In this mode the charger will gently recharge the battery and display a warning (⚡) in case the battery cannot be recovered.
  - e) Refresh Mode** 🔄  
Use this mode to discharge a battery fully and measure the charge the battery held when it was inserted. After displaying the measurement the battery will be recharged fully. This process may take 10–20 hours.
  - f) Recovery Mode** ⚡  
Use this mode to restore the capacity of batteries that have gone through many charging cycles. This mode involves several charge and discharge cycles and may take up to 80 hours or 3–4 days.

- The data from capacity measurement is only for users' reference only, and it is recommended to use GP brand battery with best performance.
- Capacity measurement according to GP proprietary methodology.
- Battery rated capacity marking according to international testing standard (IEC 61951-2), may be varied from device measurement result.
- Individual battery capacity related to no. of used cycle, charging & discharging conditions in different temperature, humidity and test method.

#### Usage tips

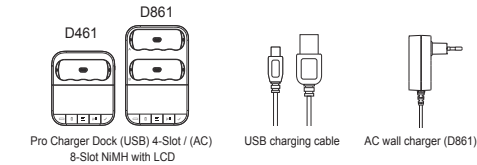
- It is normal for batteries to become hot during charging and they will gradually cool down to room temperature after charging.
- Remove batteries from the electrical device if the device is not going to be used for a long time.
- Battery storage temperature: 20 ~ +35°C
- Charger dock operating temperature: 0 ~ +33°C
- After charging has started, press the Battery Selection button (⏏) to check the status of each battery.
- If you want to replace the batteries in a battery charger during the charging process, press the Pause/Resume button (⏏) and remove the battery charger from the charger dock. After batteries are replaced, re-insert the battery charger dock into the charger dock, press the Battery Selection button (⏏) to resume the previous function program. The charger dock will go to stand-by mode if no battery charger is inserted after 2 minutes.
- The charger dock automatically turns off after it has been idle for 2 minutes. It will automatically turn on when the slot selection button (⏏) or confirmation button (✓) is pressed, or when the charger is plugged in. The charger dock will start charging after plugging in the charger.

#### Safety information

- This charger dock is designed to charge NiMH batteries only. Charging other batteries may lead to explosion, battery rupture or leakage, personal injury or property damage.
- This charger dock is designed for indoor use only. Do not expose the charger dock to rain, snow or direct sunlight.
- Do not use the charger dock in humid conditions.
- Make sure the charger dock is used between 0 ~ +33°C.
- Do not use non-rechargeable, LiFePO4, NiCD or Li-ion batteries.
- Do not use the charger dock if the plug is damaged.
- Do not use the charger dock after it has been dropped or damaged. Do not open/dissassemble the charger dock.
- This charger dock is maintenance-free but should be wiped clean regularly with a dry and soft cloth. Do not use abrasives or solvents. Unplug the charger dock before cleaning.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

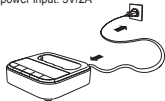


\*For exact items in the pack, please refer to "In the box" section of the packaging. The specifications of the wall charger may vary based on the country version purchased.

#### Charging instructions

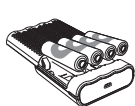
##### Fig. 1a D461

USB power input: 5V/2A



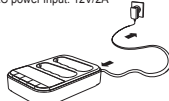
##### Fig. 2

P461 Battery Charger

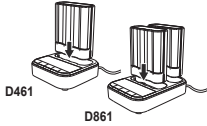


##### Fig. 1b D861

AC power input: 12V/2A



##### Fig. 3

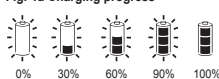


#### LCD display indications and function buttons

##### Fig. 4c Charging status

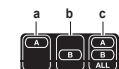
- a) Selected battery
- b) No battery
- c) Bad or single-use battery/error (flashing)
- d) Aging battery, replacement recommended
- e) Standby

##### Fig. 4d Charging progress



##### Fig. 4b Slot selections

- D861**
- a) Slot A selected
  - b) Slot B selected
  - c) All slots selected



##### Fig. 4e Function modes

- a) Fast charging mode
- b) Eco charging mode
- c) Capacity check mode
- d) Conditioning mode
- e) Refresh mode
- f) Recovery mode

For details of each function mode, please refer to the "Function modes" section.



##### Battery capacity



##### Fig. 4a Function buttons

- Slot Selection
- Battery Selection
- Function Mode
- Confirmation
- Pause/Resume

#### Charging time\*

Recyko batteries (8 - 8 pcs)	Size	Capacity	Charging time**
	AA	1300 - 2600 mAh	0.9 - 3.6 hrs
	AAA	650 - 950 mAh	1 - 3 hrs

\*Charging time varies with different power input and battery capacity in different charger ranges.

Please refer to corresponding charger instruction manual for details.

\*\*Charging time refers to charging one or two P461 battery chargers.



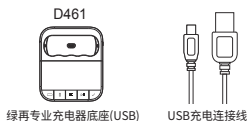
## 绿再专业充电器底座(USB)

### 说明书

使用前请仔细阅读说明书，请保存此说明书以备参考。

### 产品开封及检查

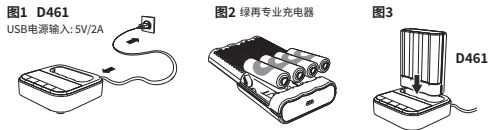
包装内会以下部件，请确保它们完好无损，且能正常工作。



绿再专业充电器底座(USB)

USB充电连接线

### 充电步骤图示

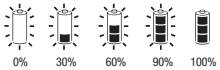


### LCD显示屏标识和功能按钮

#### 图4a 充电状态

- 选定电池
- 无电池
- 失效或一次性电池/错误 (闪烁)
- 老化电池，建议更换
- 待机

#### 图4c 充电进程



#### 图4d 功能模式

- 快充模式
- 护芯充电
- 电量检测模式
- 调节模式
- 刷新模式
- 恢复模式

每个功能模式的详情，请见“功能模式”部分。

#### 电池容量



#### 图4a 功能按钮

- 充电槽选择
- 功能模式
- 确定
- 电池选择
- 暂停/恢复

### 充电时间<sup>A</sup>

型号	电池容量	充电时间(小时)**
绿再镍氢充电电池(1-4粒)	5号电池 1300 - 2600 毫安时	0.9 - 3.6
	7号电池 650 - 950 毫安时	1 - 3

<sup>A</sup> 充电时间受不同电源输入和不同充电器范围内的电池容量的影响而不同。详情请见相应充电器的使用说明书。  
\*\* 充电时间指为P461电池充电器充电。

### 产品特点

- 可通过充电器底座充电，为1-4粒5号或7号绿再镍氢充电电池独立充电
- 可为每粒电池或所有电池同时快充、护芯充电、电量检测、调节、刷新和恢复模式
- 智能LCD液晶显示屏显示
- 独立电池运行状况检测
- 兼容绿再4槽USB镍氢充电器型号：B421、M451和P461 (B421和M451只支持充电，扩展功能模式需要P461)

### 充电说明

使用前请仔细阅读使用说明书。保存好说明书以备以后使用。

- D461：将USB充电器的微型USB端连接到充电器的微型USB口 (图1)。
- D461：将USB充电线的另一端连接到2.0A的USB插座充电器或其他2.0A (或以上)的USB插座 (图1)。
- 将镍氢充电电池插入充电器中。将电池套上的“+”和“-”标志与充电器上的标记进行匹配，确保电池极性正确 (图2)。
- 将充电器放在充电器底座上(图3)。假如连接到低于5V/2A的电源上，充电器可能会关闭。这种情况下，红色LED灯会闪烁，显示屏将显示空空的闪烁电池标志(⚡)。此时需将充电器连接到至少2A的电源上，将充电器取下并重新将其插在充电器座上，重置充电器。
- 重置下面的步骤对每个电池的充电进行自定义 (图4a)。
  - 按电池选择按钮(B)，最多可选择槽内的4节电池。
  - 按功能模式按钮(C)，为选定的一节/多节电池选择六个功能模式中的一个 (见“功能模式”)。
  - 按确定按钮(⏹)确认所选择的模式，开始充电。
  - 在充电过程中，长按功能模式按钮(C)2秒，编辑功能模式。在编辑之后，再次长按该按钮2秒，继续功能程序。

- 开始充电，显示屏上的电池图标会显示电池的充电状态和进程。
- 充电状态参见图4b，充电进程查看图4c。
- 电池充满电后，从充电器中取出充电器。从充电器中取出电池，并断开充电座的电源。
- 按暂停/恢复按钮(D)来暂停或恢复选定的一粒/多粒电池的功能模式。再次按该按钮，选定的功能模式将恢复。
- 如果显示屏上显示老化图标(⚡)，更换该特定通道上的电池 (图4b(d))。
- 关于充电器的使用说明，请参照相应的绿再充电器B421、M451 & P461的说明书

为确保最佳充电效果及安全保障，请与绿再镍氢充电电池配合使用。

### 功能模式

每个功能模式的功能请下文和图4a。要为某一特定电池选择这六个功能模式中的一个，请参见“充电说明”部分。

- 快充模式 (默认充电模式) - 1**  
当电池充电器插入充电器并且没有选择其他功能模式，5秒后，这一模式自动开始 (五号2100mAh/七号850mAh电池的大约充电时间：1.3-2.6小时，1-4节)。
- 护芯充电 ECO**  
使用这一模式使镍氢电池的寿命最优化 (五号2100mAh/七号850mAh电池的大约充电时间：4小时)。
- 电量检测模式**   
使用这一模式检测充电器内的最大电池容量。这一过程可能需要10-20小时为电池放电后再充电。
- 调节模式**   
使用这一模式恢复过放电电池或储存超过一年的电池。在这一模式下，充电器会缓慢地为电池再次充电，如果电池无法恢复，会显示一个警告标志(⚡)。
- 刷新模式**   
使用这一模式为电池完全放电并测量电池插入充电器时的电荷。在显示测量的数值后，电池会被充满电。这一过程可能需要10-20小时。
- 恢复模式**   
使用这一模式为已经历多个充电周期的电池恢复容量。这一过程最长可能需要80小时或3-4天。

- <sup>A</sup> 测量容量所得数据仅供参考，建议使用具有最佳性能的GP品牌电池。
- 电量测量根据CPE独有的方法。
- 根据国际标准IEC 61951-2，电池额定容量可能与设备测量结果不同。
- 单个电池的电量与使用周期的数量、在不同温度、湿度的充放电情况以及检测方法有关。

### 重要说明

- 充电电池充电时发出微热为正常现象，充电完成后将逐渐降至室温。
- 充电器如长时间不用，请将充电器取出。
- 充电电池存放温度：-25至35摄氏度
- 充电器操作时温度：0至33摄氏度
- 充电开始后，按电池选择按钮(B)查看每粒电池的状态。
- 如果在充电过程中想要更换充电器中的电池，按暂停/恢复按钮(D)，将充电器从充电器座上取下。电池更换完毕后，在2分钟之内重新将充电器插入到充电器座上，按暂停/恢复按钮(D)可以恢复之前的功能程序。如果2分钟之内没有插入充电器，充电器座会进入待机模式。
- 充电器闲置2分钟后，会自动关闭。按槽选择按钮(B)或确定按钮(⏹)，或插入充电器时，充电器会自动开机。插入充电器后，充电器将开始充电。

### 注意事项

- 为确保安全，建议与绿再镍氢充电电池配合使用。
- 绿再充电器底座只可为镍氢(NiMH)充电电池充电。给其他种类电池充电可能导致爆炸、电池破裂或泄漏、人身伤害或财产损失。
- 充电器底座仅供室内使用，切勿将其置于雨下、雪下或阳光直射照射的环境中。
- 请确保在0-33摄氏度之间使用充电器底座充电。
- 请勿在潮湿的环境中使用充电器底座。
- 请勿让电池保护膜脱落，如电池保护膜破损，请停止使用电池。
- 如插头损坏，请勿使用充电器底座。
- 如充电器跌落损坏，请勿使用充电器底座。
- 请勿自行拆开充电器底座。
- 充电器底座无需特别保养，只需定期用柔软干布擦拭干净。请勿使用磨剂或溶剂，在进行清洁前，请先拔出电源插头。
- 18岁以上人士(8岁以下禁用)、伤残及弱能人士须在监护人监督及指导下使用此产品。
- 此产品非玩具，严禁供儿童玩耍。
- 在无人监管下，严禁儿童自行清洁及保养充电器

No.	D461	危险物质						建议的环保使用期(年)
		铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr <sup>6+</sup> )	多溴联苯(PBB)	多溴联苯醚(PBDE)	
1	变压器	0	0	0	0	0	0	
2	发光二极管	0	0	0	0	0	0	
3	交流插头	0	0	0	0	0	0	
4	螺栓	0	0	0	0	0	0	
5	电池片	0	0	0	0	0	0	
6	外壳	0	0	0	0	0	0	
7	检验合格标签	0	0	0	0	0	0	
8	连接器	0	0	0	0	0	0	
9	线路板	0	0	0	0	0	0	
10	贴片电阻	X	0	0	0	0	0	10
11	二极管	X	0	0	0	0	0	10
12	锡	0	0	0	0	0	0	
13	充电电池	0	0	0	0	0	0	

0:意味若物质材料中的危险物质浓度低于SJ/T11363-2006标准中规定的限值  
X:意味若器械的均质材料中至少有一种其危险物质浓度超过SJ/T11363-2006标准中规定的限值

### 为绿再镍氢充电电池充电

- 新的充电电池使用2-3次后，才能达到最佳效果。
- 已为套装内的充电电池预充电。购买后即可使用。  
如果电池不能为您的设备正常工作，请重新充电。



请勿将充电器随意丢弃于未分类的垃圾中，而应使用特设的收集设施。  
请联系有关政府部门查询可回收的电子废物收集系统。若充电器弃置于垃圾填埋场中，有害物质可能会渗透入地下水，并进入食物链，从而影响到您的健康。