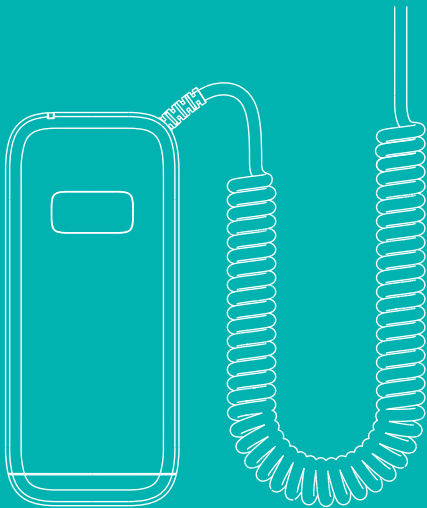


AODELAN



闪光灯高性能电池盒

High-Performance Battery Pack for Flash

User Manual/使用说明书

P12




Thank you for purchasing an AODELAN product.

AODELAN P12 is a professional power supply for flashes with an external power port. It operates with 12 AA-type batteries, which is 4 batteries more than the traditional battery pack, to ensure a more stable power supply for the flash, and to get a greatly increased number of flashes and a shortened recycling time. With P12, you can shoot faster, miss fewer shots and catch every wonderful moment.

Please read this user manual as well as the user manual provided with your flash which works with P12 before use.

For your safety

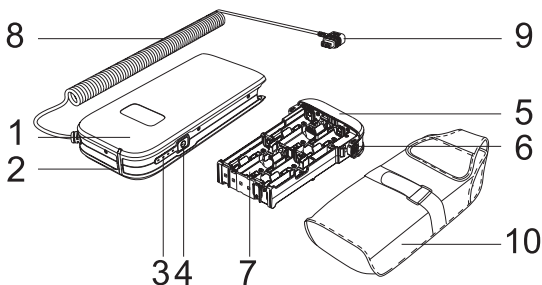
Before using your product, please read the following safety precaution carefully to ensure correct and safe use.

	<ul style="list-style-type: none">● The battery pack contains high voltage electronic parts. Do not disassemble or attempt to repair it.
	<ul style="list-style-type: none">● Keep the product out of the reach of children.● Do not use the product in the presence of flammable or explosive gas.● Do not expose the battery pack to high temperature over 45°C (e.g. left in a car trunk).● The product is not waterproof. Please keep away from rain, snow and high humidity conditions.● Do not clean either the battery pack or any accessories with organic solvent or alcohol-based liquid.● The fast recycling time made possible when using the battery pack could damage your flash if continuously shooting at high power settings. Some flashes have overheating protection settings, some do not. Consult your flash manual and use cautiously.
	<ul style="list-style-type: none">● Consult local authorities on the proper disposal or recycling of a battery.

FCC Interference Statement

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.

Parts

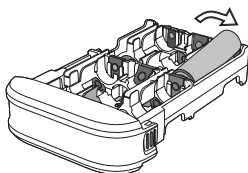


- | | |
|----------------------------------|--|
| 1. Battery Pack Unit | 6. Lock Release Button |
| 2. High Voltage Output Indicator | 7. Battery Slot |
| 3. Battery Level Indicators | 8. Power Cord |
| 4. Power Button | 9. Output Plug (Canon version shown) * |
| 5. Battery Holder | 10. Soft Case |

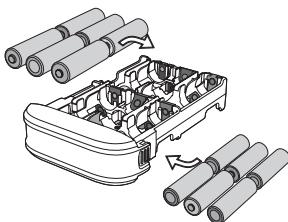
**Different version comes with different output plug; the plug shown in the above figure may be inconsistent with the actual plug of P12 you bought. For details, please refer to the description of Output Plug.*

Installing the batteries

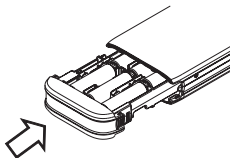
1. Install batteries in accordance with the illustrated direction inside the battery slot.



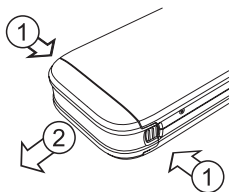
2. Install 12 batteries.



3. Push the battery holder into the unit until it stops with a click.



4. To remove the battery holder, slide the battery holder while pressing the lock release buttons at the edge of the battery holder.



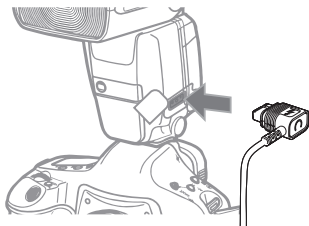
Precautions for Use

- If the battery contact shrapnel become soiled, remove dirt and smudges before use, as this may cause contact failure.
- Never reverse the polarity when installing batteries.
- Do not mix battery models or brands or use old with new batteries, replace all 12 batteries at the same time when replacing batteries.
- When working with an on-camera flash, please use AA-type Ni-MH rechargeable batteries or AA-type alkaline batteries.
(Operating with other types of battery may cause a slow recycling and the P12 to be overheated easily.)

- When working with a high-powered flash, please use AA-type Ni-MH rechargeable batteries. (Operating with other types of battery may cause a slow recycling and the P12 to be overheated easily.)
- Remove the batteries when transporting the P12 or not using it for long periods.

Connecting the P12 to the corresponding flash

1. Install batteries for the flash.*
2. Plug the output plug of P12 into the corresponding flash's external power port.

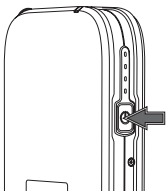


(Canon version shown)

** When P12 is working with a Canon® / Nikon® or Sony® flash, it only provides high voltage output when the flash is firing and doesn't power the flash's operation and display. So batteries are required in the flash itself, otherwise the flash will not work when connecting to P12.*

** When P12 is working with an Aodelan flash, please refer to the user manual of the flash in regard to whether batteries are required in the flash itself.*

3. Press and hold the power button for 2 seconds, the power level indicators will light red, the P12 is turned on.



4. Turn on the power of the flash.

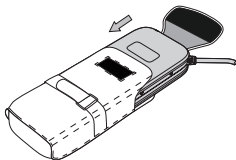
5. Set the flash custom function to choose external power as the power source.

(Some flash models come without the setting, but with auto recognition function.)

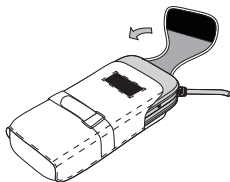
6. The high voltage output indicator on the P12 lights up; the P12 is now ready to power the flash.

Using with the Soft Case

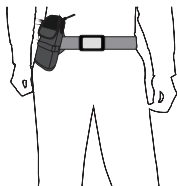
1. Insert the P12 with batteries installed into the soft case.



2. Close the cover.

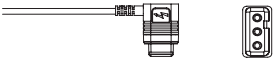
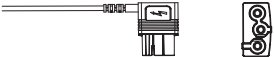
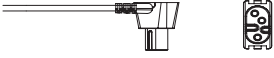



3. Tie up the soft case to the belt or light stand for convenient use.



Output Plug and Compatibility

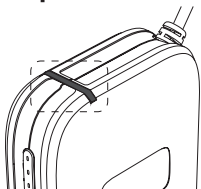
There are 4 versions for P12 according to its different output plug, please refer to following table for the corresponding plug of each version and the flash models it is compatible with.

Verison & Compatibility	Output Plug
P12 for Canon® 550EX / 580EX / 580EX II / 600EX-RT / 600EX II-RT Flashes	
P12 for Nikon® SB5000 / SB900 / SB910 Flashes	
P12 for Sony® HVL-F56AM / HVL-F58AM / HVL-F60M Flashes	
P12 for Aodelan® Flashes	

Precaution for Use

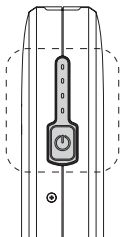
- Use only with the flash in brand and model listed in this manual. If there are other or third party products which fit the output plug of P12, do not connect to use as the input definitions of power port may vary depending on the manufacturer. Failure to observe this precaution could result in the P12 and its connected product to be unusable or damaged.

High Voltage Output Indicator



- **Light up:** The high voltage output is normal; the P12 is powering the connected flash.
- **Off:** There is no high voltage output; the P12 will turn off automatically after approx. 30 minutes.
- **Blinks continuously:** The protection is activated in the P12, please stop using.

Power Button and Battery Level Indicators



Power Button: Press and hold it for 2 seconds to turn on the P12; press and hold it for 2 seconds to turn off the P12.

Battery Level Indicators: There are 4 LEDs to indicate P12's current battery level as shown in following table.

The number of lighted up LED indicators	4	3	2	1	1 Blinking
Battery Level (%) (approx.)	100-80	79-60	59-40	39-20	19-10

- For reference only, the data is based on AA-type Ni-MH rechargeable batteries.
- Please replace to new batteries if 1 LED blinking.
- When the battery level is less than 10%, P12 stops output and turns off automatically. Please replace to new batteries.

Specifications

Major specifications when working with a variety of flashes

Batteries	Flash	Min. recycling time (approx)	Min. number of flashes (approx)
AA-type Ni-MH rechargeable battery X 12 (Panasonic® BK-3HCCA 1.2V 2450mAh)	Canon® 600EX II-RT	0.9 sec.	650
	Nikon® SB-910	1.0 sec.	680
	Sony® HVL-F60M	1.0 sec.	650
AA-type alkaline battery X 12 (Maxell® LR6(GD) 1.5V)	Canon® 600EX II-RT	2.0 sec.	380
	Nikon® SB-910	1.8 sec.	400
	Sony® HVL-F60M	2.0 sec.	380

Notes

- Set the flash to full output. The interval between two flashes is 15 seconds.
- Use the same type of batteries with both the P12 and the flash.
- With fresh batteries at normal temperature (25 °C). The performance may vary depending on the battery's freshness or change of battery specifications.
- If the recycling time is longer, please check the battery level and see whether the batteries need to be replaced with fresh ones.

Dimensions (L x W x H): Approx. 86 x 195 x 33 mm
(3.4 x 7.7 x 1.3 in.) (Body Only)

Weight: Approx. 400g (14.1 oz) (without batteries)

Specifications and design are subject to change without notice.

Canon®, Nikon®, Sony®, Panasonic® and Maxell® mentioned in the manual are protected trademarks which do not belong to Shenzhen Aodelan Technology Co., Ltd.

Troubleshooting

Having this problem?	Please check the following points
The unit cannot be turned on	<ul style="list-style-type: none">● Remove the Battery Holder, check whether the polarity of each battery is correct and whether there is any contact failure caused by soiled battery contact shrapnel.● When using non-rechargeable batteries, check whether one of or multi batteries' capacity has been depleted, which results in a high impedance state in the battery pack and the current conduction is blocked.
No power charging to the connected flash	<ul style="list-style-type: none">● Check whether the output plug is plugged in place.● Check whether the power of the flash itself is turned on.● Check whether external power has been chosen as the power source in the flash's custom function (if this option is available).● Check whether the protection is activated in the P12 (the High Voltage Output Indicator blinks continuously) or any protection is activated in the flash itself.




感谢您购买奥德兰产品。

奥德兰 P12 是为支持外接电源的闪光灯提供电力输入的专业产品。可装入 12 节 AA 型电池，比传统的电池盒多装 4 节电池，确保为闪光灯提供更稳定的电源，并大幅增加闪光次数、缩短回电时间，进而加快拍摄速度、减少漏闪，让您抓住每一个精彩的瞬间。

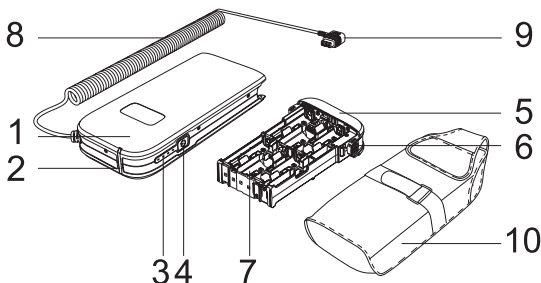
使用前，请阅读本使用说明书以及与 P12 搭配使用的闪光灯随附的使用说明书。

安全须知

请在使用前仔细阅读“安全须知”，并以正确的方法使用。

	<ul style="list-style-type: none">● 电池盒内包含高压电器元件。请不要试图自行拆开或进行维修。
	<ul style="list-style-type: none">● 禁止让儿童接触本产品。● 请勿在有可能起火、爆炸的场所使用本产品。● 请勿将电池盒放置在超过 45°C 的高温环境下，比如汽车尾箱内。● 本产品不具备防水特性，请远离雨、雪等高湿度的场合。● 请勿使用有机溶剂或含酒精的液体来清洁电池盒主体及其附件。● 使用电池盒可加快回电时间。如果连续高强度使用闪光灯，可能损坏闪光灯。有些闪光灯具备过热保护系统，但有些不具备。当使用本产品时，请阅读闪光灯使用说明书，并按照手册谨慎使用。
	<ul style="list-style-type: none">● 有关电池的妥善处理和回收，请咨询地方当局。

部件名称

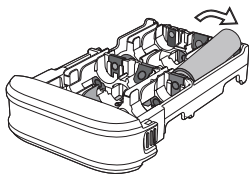


- | | |
|------------|------------------|
| 1. 电池盒主机 | 6. 松锁按钮 |
| 2. 高压输出指示灯 | 7. 电池卡位 |
| 3. 电量指示灯 | 8. 电源线 |
| 4. 电源开关 | 9. 输出插头（图示为佳能版）* |
| 5. 电池座 | 10. 软包 |

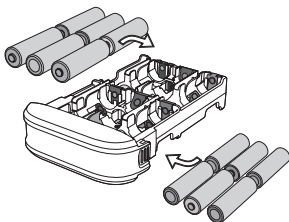
* 不同版本对应不同的插头，上图所示可能与您购买的实际插头不一致，具体请参考对输出插头的介绍。

装入电池

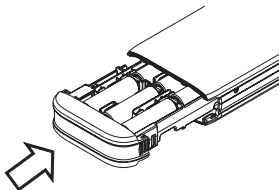
1. 按照电池卡位中的图示方向装入电池。



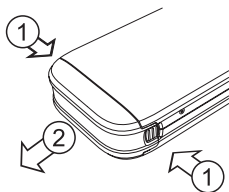
2. 装入 12 节电池。



3. 把电池座插入主机，直至咔哒一声到位。



4. 若要取出电池座，则按住电池座边缘的两个松锁按钮，并向外滑动电池座。

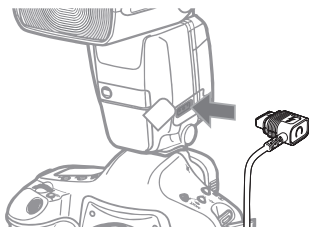


使用注意事项

- 电池接触弹片脏污时，使用前请先拭擦干净，否则可能会导致接触不良。
- 安装电池时，切勿反装电池极性。
- 请勿混用不同型号、品牌的电池或新旧电池，更换电池时，请同时更换所有 12 节电池。
- 搭配机顶闪光灯使用时，请使用 AA 型镍氢充电电池或 AA 型碱性电池。
(使用其他类型的电池，可能会出现回电速度较慢、P12 容易过热的情况。)
- 搭大功率闪光灯使用时，请使用 AA 型镍氢充电电池。
(使用其他类型的电池，可能会出现回电速度较慢、P12 容易过热的情况。)
- 当长时间不使用或者运输 P12 时，请取出电池。

连接 P12 至对应的闪光灯

1. 给闪光灯安装电池。*
2. 将 P12 的输出插头插入对应闪光灯的外置电源端口。

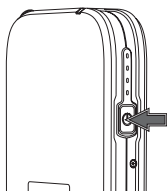


(图示为佳能版)

* P12 搭配佳能、尼康或索尼闪光灯使用时，只为闪光灯的闪光提供高压输出，不会为闪光灯的操作和显示屏供电，因此闪光灯自身必须安装电池，否则搭配 P12 将无法使用。

*P12 搭配奥德兰闪光灯使用时，关于闪光灯自身是否需要安装电池，请参考闪光灯的使用说明书。

3. 按住电源开关 2 秒，电池指示灯亮红灯，P12 开机，



4. 开启闪光灯电源。

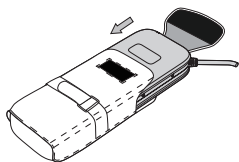
5. 在闪光灯自定义功能中选择使用外置电源供电。

（有些闪光灯没有此选项，而是具有自动识别功能。）

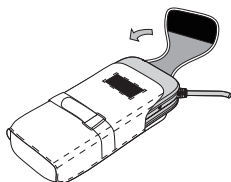
6. P12 上的高压输出指示灯亮起表示 P12 开始为闪光灯供电。

搭配软包使用

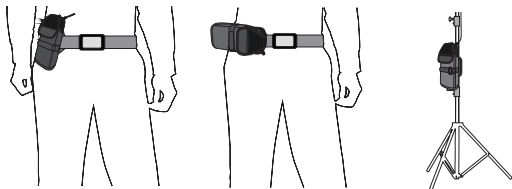
1. 将装好电池的 **P12** 插入软包。



2. 合上软包盖。

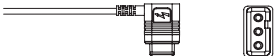
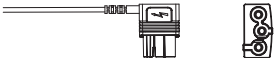
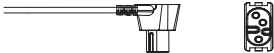



3. 将软包绑在腰带或者装在灯架上，方便使用。



输出插头及兼容性

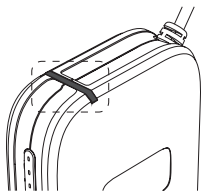
P12 根据其输出插头的不同分为 4 个版本，各个版本对应的插头以及所兼容的闪光灯型号如下表所示。

版本 & 兼容性	输出插头
P12 佳能版 用于 Canon® 闪光灯 550EX / 580EX / 580EX II / 600EX-RT / 600EX II-RT	
P12 尼康版 用于 Nikon® 闪光灯 SB5000 / SB900 / SB910	
P12 索尼版 用于 Sony® 闪光灯 HVL-F56AM / HVL-F58AM / HVL-F60M	
P12 奥德兰版 用于奥德兰® 闪光灯	

使用注意事项

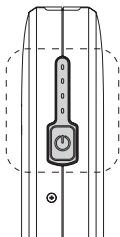
- 仅限与本说明书中所列出的品牌闪光灯型号搭配使用，若有其他或第三方的产品与 P12 的输出接口相符，因各个制造商对电源端口的输入定义可能有所不同，请勿连接使用，否则将可能导致 P12 及其连接的产品无法使用或损坏。

高压输出指示灯



- **亮起**：高压输出正常，P12 对所连接的闪光灯进行充电。
- **熄灭**：没有高压输出，P12 会在 30 分钟后自动关机。
- **持续闪烁**：表示 P12 启动保护，请停止使用。

电源开关和电量指示灯



电源开关：关机状态下长按 2 秒，P12 开机；开机状态下长按 2 秒，P12 关机；

电量指示灯：共由 4 个 LED 构成，显示 P12 的当前电量，如下表所示。

LED 指示灯亮起个数	4	3	2	1	1 (闪烁)
电池电量 (%) (约)	100-80	79-60	59-40	39-20	19-10

- 数据基于 AA 型镍氢充电电池，仅供参考。
- 当 1 个 LED 闪烁时，请更换为新电池。
- 当电池电量低于 10% 时，P12 将停止输出并自动关机，请更换为新电池。

规格

搭配各种闪光灯使用时的主要规格

电池	闪光灯	最短回电时间(约)	最少闪光次数(约)
AA 型镍氢充电电池 12 节 (Panasonic® BK-3HCCA 1.2V/2450mAh)	Canon® 600EX II-RT	0.9 sec.	650
	Nikon® SB-910	1.0 sec.	680
	Sony® HVL-F60M	1.0 sec.	650
AA 型碱性电池 12 节 (Maxell® LR6(GD) 1.5V)	Canon® 600EX II-RT	2.0 sec.	380
	Nikon® SB-910	1.8 sec.	400
	Sony® HVL-F60M	2.0 sec.	380

注意

- 设置闪光灯为全功率输出，两次闪光的间隔时间为 15 秒。
- P12 和闪光灯均使用相同类型的电池。
- 常温（25℃）下使用新电池。电池性能视新旧程度或规格而异。
- 如发现回电时间延长，请检查电池电量，看是否需要更换为新电池。

尺寸 (长 x 宽 x 高) : 约 86 x 33 x 195 mm (仅主机部分)

重量 : 约 400g (不含电池)

规格和设计如有变更,恕不另行通知。

本说明书中所提到的 Canon®、Nikon®、Sony®、Panasonic® 和 Maxell® 都是受保护的商标,不属于深圳市奥德兰科技有限公司。

故障排除

存在问题	请检查以下几点
无法开机	<ul style="list-style-type: none">● 取出电池座,逐个检查电池极性是否正确,或检查电池接触弹片有无污渍,引起接触不良。● 当使用非充电电池时,请检查是否有单节或多节电池的电量已耗尽,在电池组中处于高阻抗状态,阻碍电流导通。
不对所连接的闪光灯进行充电	<ul style="list-style-type: none">● 检查输出插头是否已插到位。● 检查闪光灯自身电源是否已开启。● 检查闪光灯的自定义功能中是否已选择使用外置电源供电(如果有此选项)。● 检查 P12 是否已启动保护(高压输出指示灯持续闪烁)或者闪光灯自身是否已启动保护。



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