YONGNUO
DIGITAL

SPEEDLITE
YN468-II

使 用 说 明

在使用本产品之前，请阅读本手册，以确保您能安全地使用它。然后保存好本手册以备将来查阅参考。

一、警告：

请勿让本产品淋湿或受到潮湿。以免发生火灾或触电。

使用电池时，请将电池的触点位置标记错误免除，并请遵守好当地有关处理电池的规定。

请将电池或部份显示的充表或温度，如果放在了静体，请立即与供应商。

不要混淆离对人体的睛睫使用同光元件，否则有可能对人体视网膜造成伤害。

不要对需要高度注意力的人使用同光灯，否则有可能分发安全事故。

如果发生以下情况，请立即取出电池并停止使用：

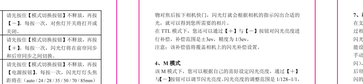
- 本产品机体或受到损害时。
- 本电池内部有物件液体泄漏，此时应带手套取出电池。
- 产品发出奇怪的气味、发热或冒烟。

请勿自行拆卸或维修本产品，如果能触产品内部的高压电路，可能会触电。

长期不使用本产品时，请取出所有电池。

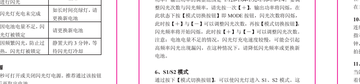
二、部件及显示屏说明

1、反射板
2、广角扩散板
3、闪光灯头
4、电池仓盖
5、锁扣开关打开
　无线触发感应器
6、闪定装置
7、热靴座
8、热靴锁止



9、LCD 显示屏
10、[+]、[-]按钮
11、电源按钮（ON/OFF）
12、模式切换按钮（MODE）
13、PC接口
14、变焦指示灯
15、测试按钮（PILOT）

LCD 面板说明



16、模式指示
17、功率输入指示
18、对焦灯开关指示
19、ISO 指示（无须版本）
20、光圈指示
21、输出功率调节/ISO调整指示
22、倒闪次数指示
23、后闪同步指示
24、电量不足指示
25、灯头角度指示
26、灯头手动变焦指示

三、产品安装

1、安装电池。

按锁头所示方向拨动【电池仓盖】将其打开，按电池仓中相应的指示安装电池，确保电池的正负极接点朝向正确。

按锁头所示方向拨动【电池仓盖】将其关闭。

请先取出【锁定按钮】，然后向相反的方向拨动【电池仓盖】，请勿使用外部硬物强行拉动，防止发生损坏。

2、将闪光灯安装到相机上。

将锁头所示方向拨动【锁定按钮】到最高点，将闪光灯【热靴座】完全推入相机热靴，

旋紧【闪光灯锁定】，请使用【锁定旋钮】，然后向相机热靴中推出。

四、基本功能

1、基本操作

按钮功能表：

部件	操作
【电源开关】	闪光灯电源开关，长按电源键2秒可打开或关闭闪光灯电源之后再按也亮。 电源开关一次，闪光灯模式依次在TTL/M/Multi/S1/S2之间循环切换。
【模式切换按钮】	按下模式切换键出现闪。
【测试按钮】	在 TTL 模式下，通过该按钮可以调整输出补偿（即覆盖相机的曝光补偿）。 在 M、MULTI、S1、S2 模式下，通过该按钮可以调整闪光灯输出功率。 在 MULTI 模式下，该按钮还用于调整频闪次数与频率，请参阅 MULTI 模式一节。
【+】与【-】按钮	在 TTL 模式下，通过该按钮可以调整输出补偿（即覆盖相机的曝光补偿）。 在 M、MULTI、S1、S2 模式下，通过该按钮可以调整闪光灯输出功率。 在 MULTI 模式下，该按钮还用于调整频闪次数与频率，请参阅 MULTI 模式一节。

【模式切换按钮】+【-】	请先按住【模式切换按钮】不释放，再按【-】1 次按一次，对焦灯开关将打开或关闭。
【模式切换按钮】+【+】	请先按住【模式切换按钮】不释放，再按【+】1 次按一次，闪光灯将自前切换到相对应的较高之间切换。
【模式切换按钮】+【电源按钮】	请先按住【模式切换按钮】不释放，再按【电源按钮】，恢复出厂设置。

2、开启及关闭电源

长按【电源开关】2秒可打开或关闭闪光灯电源，推荐通过该按钮关闭闪光灯电源之后再取出电池。

打开闪光灯电源后，闪光灯被设定为 TTL 模式，或按键 2 次关机前状态，此时【电池指示】无指示灯，指示灯充电完毕会变红灯，表示可以进行闪光。

若【电池指示灯】在出现灯，充电时间超过 20 秒仍充不满，闪光灯自动关机，此时需要更换新电池。

使用完毕后，无论【电源开关】2 秒即可关闭电源。

3、TTL 模式

在 TTL 模式下，照相机的测光系统会给予头上传反射回来的闪光照明，从而自动的控制闪光的输出量，拍摄时，您只需要对准要

物对焦后按下相机快门，闪光灯就会根据相机的指示闪出合适的光。或可以得到您所需要的相片。

在 TTL 模式下，您还可以通过【+】与【-】按钮对闪光灯进行补偿，补偿范围是 2 3/4ev，增加为 1/3ev。

注意：该补偿值将覆盖相机上的闪光补偿设置。

4、M 模式

该 M 模式下，您可以根据自己的喜好设定闪光灯光，通过【+】与【-】按钮可以调节闪光灯光，闪光灯光的调整范围是 1/128~1/1，调整后光为 0.3，拍摄时，您只需要设定闪光灯光，调整相机并按下快门，闪光灯会在相机同步信号下进行闪光。

5、Multi 模式

MULTI 模式即频闪模式，在该模式下，闪光灯将按您设置的输出功率，闪光灯光将以您设置的频率，通过【+】与【-】可以调整输出功率，输出功率的调整范围是 1/128-1/64-1/32-1/16-1/8-1/4。要调整闪光次数与闪光频率，请先按一次【-】，输出功率将闪烁，在此状态下按【+】或【-】可以调整闪光次数，此时【+】与【-】可以调整闪光次数，闪光频率将自动调整，此时按【+】与【-】可以调整闪光次数，注意：电池电量不足的情况，闪光灯充电速度较慢，可能会引起频率闪光出现漏闪，在这种情况下，请降低闪光频率或更换新电池。

6、S1/S2 模式

通过按下【模式切换按钮】可切换闪光灯进入 S1、S2 模式，这两种模式适合作为相机的引闪，以创建多种照明效果。它们分别适合于手动闪光环境和 TTL 闪光环境，在这两种模式下调整输出功能和 M 模式一样，只需要按【+】与【-】来对闪光灯进行，在示可以进行闪光。

在 S1 模式下，当您的相机上的闪光灯光发出闪光时，闪光灯将自动点亮，此时需要更换新电池。

在 S2 模式下，无视相机上的闪光灯光发出闪光时，闪光灯将自动点亮，此时需要更换新电池。

S2 模式，又被称为“预闪前闭模式”，该模式与 S1 模式类似，但它能支持三件套 TTL 模式的主闪光灯，特别地，如果 S1 模式无法与您的离开闪光灯正确同步闪光，您可以尝试使用 S2 模式。

7、相机基本设置以创建（佳能）

在关联 TTL 闪光灯的相机上可以基本设置以创建闪光灯的工作模式，如何进行设置以创建闪光灯的工作模式，在闪光灯控制菜单内的作用内容以创建设置功能，可以创建 TTL 模式，手动闪光模式及非闪光闪光模式（频闪），而在设置闪光灯时可以有设置多空间，

按照说明书进行设置，请在拍摄前先测试以保证闪光灯的正常工作。

8、测试闪光

无论您在哪种模式下，您都可以通过按 PILOT 按钮来测试闪光灯是否闪光正常，MMULTI/S1/S2 模式下，按【测试按钮】闪光灯会根据当前的输出功率的等级发出不同亮度光。

9、节电功能

在 TTL/M/Multi 模式下，闲置 30 分钟后闪光灯将自动关机。在 S1、S2 模式下，闲置 60 分钟后闪光灯将自动关机。

10、过热保护

使用相机指定手柄警时，将触发闪光灯的过热保护机制，此时光电指示灯将闪烁交替闪烁，以表定闪光灯。请将闪光灯停置 3~5 分钟，等待闪光灯光温降回正常后，为避免影响拍摄，需要将电池拍摄时，请尽量使用 1/4 及以下输出。

11、灯头自动变角

灯头可以在 90°范围内自动变角，为避免影响拍摄，闪光灯会在使用前将灯头调整至正确的位置，以避免不同的照明范围。注意，灯头自动变角不支持变幅面相机系统，但可以尝试调广角扩散板的位置角度作出调整角。

12、手动设置灯头变角位置

通过按【模式切换按钮】+【电源按钮】可以手动设置灯头的变角位置，请先按住【模式切换按钮】不释放，再按【电源按钮】，每按一次，闪光灯头依次将在 (auto / 24 / 28 / 35 / 50 / 70 / 85mm) 之间循环切换。

13、PC 同步接口（输入）

通过连接闪窗口，可以使闪光灯同步闪光。

五、高级应用

1、多灯在光出闪

使用内置闪光灯或其他外部闪光灯作为主灯，

即可以灯作为多灯组合使用以创建多灯组合，

在室内使用时，无线信号可通过墙壁反射灯来，同样，在室外时，

闪光灯灯可以有效至空间，

按照说明书进行设置，请在拍摄前先测试以保证闪光灯的正常工作。

2、曝光包围（FEB）

曝光包围功能需要从相机上进行设置，设置方法请参照您的相机说明书，设置了曝光包围后，每拍摄 1 张照片闪光灯将自动调整光量进行一定必备份额，例如按照“-2/3-0-+2/3”进行调整闪光灯，这个功能可以帮助您拍摄出的图的成功率。

3、FE 锁定（尼康）

使用本功能前先设置相机和闪光灯，通过【+】与【-】按钮对闪光灯的输出功率进行调整，直至您觉得合适的闪光输出数量，此时按住一段时间来重新构图，相机可以正确以下 F 灯】的提醒灯（该功能需要您的相机支持该功能才能使用，请参照您的相机说明书进行设置）。

4、FE 锁定（佳能）

使用本功能前先设置相机和闪光灯，通过【+】与【-】按钮对闪光灯的输出功率进行调整，直至您觉得合适的闪光输出数量，此时按住一段时间来重新构图，相机可以正确以下 F 灯】的提醒灯（该功能需要您的相机支持该功能才能使用，请参照您的相机说明书进行设置）。

5、FE 锁定（适马）

使用本功能前先设置相机和闪光灯，通过【+】与【-】按钮对闪光灯的输出功率进行调整，直至您觉得合适的闪光输出数量，此时按住一段时间来重新构图，相机可以正确以下 F 灯】的提醒灯（该功能需要您的相机支持该功能才能使用，请参照您的相机说明书进行设置）。

6、M 模式

在 M 模式下，您可以根据自己的喜好设定闪光灯光，通过【+】与【-】按钮可以调节闪光灯光，闪光灯光的调整范围是 1/128~1/1，调整后光为 0.3，拍摄时，您只需要设定闪光灯光，调整相机并按下快门，闪光灯会在相机同步信号下进行闪光。

7、Multi 模式

MULTI 模式即频闪模式，在该模式下，闪光灯将按您设置的输出功率，闪光灯光将以您设置的频率，通过【+】与【-】可以调整输出功率，输出功率的调整范围是 1/128-1/64-1/32-1/16-1/8-1/4。要调整闪光次数与闪光频率，请先按一次【-】，输出功率将闪烁，在此状态下按【+】或【-】可以调整闪光次数，此时【+】与【-】可以调整闪光次数，闪光频率将自动调整，此时按【+】与【-】可以调整闪光次数，注意：电池电量不足的情况，闪光灯充电速度较慢，可能会引起频率闪光出现漏闪，在这种情况下，请降低闪光频率或更换新电池。

8、S1/S2 模式

通过按下【模式切换按钮】可切换闪光灯进入 S1、S2 模式，这两种模式适合作为相机的引闪，以创建多种照明效果。它们分别适合于手动闪光环境和 TTL 闪光环境，在这两种模式下调整输出功能和 M 模式一样，只需要按【+】与【-】来对闪光灯进行，在示可以进行闪光。

在 S1 模式下，当您的相机上的闪光灯光发出闪光时，闪光灯将自动点亮，此时需要更换新电池。

在 S2 模式下，无视相机上的闪光灯光发出闪光时，闪光灯将自动点亮，此时需要更换新电池。

9、引闪同步

您可以使用慢速同步，当拍摄主体制造拖影，闪光灯会在执行后将关闭的第一闪闪光，这就是后帘同步功能（后帘同步的设定请参照您的相机使用说明书进行设置）。

对于拍摄取本，可以在闪光灯上设置后帘同步（后只在相机上使用时有效），方法是：先按住【模式切换按钮】不释放，再按【+】，每按一次，闪光灯将在前帘同步和后帘同步之间切换。

10、使用【广角扩散板】

闪光灯【广角扩散板】的目（反射板）。并按照示意图放，闪光面将会扩大，同时闪光光量将更加柔和自然。

注意：在不相等4-5TTL/ETTL 相机上使用本产品时，以上 2、3、4、5、6、7 功能均不能使用。

六、规格

闪光指数	33
电路设计	自动增换两组晶体（IGBT）
闪光模式	TTL、M、Multi、S1、S2
灯头变焦范围	Auto、24、28、35、50、70、85 mm
上下旋转角度	-7~90 度
左右旋转角度	0~270 度
电源	4 节 AA 碱性电池或 AA 镍氢（Ni-MH）电池
发光次数	100~1500 次（使用 AA 碱性电池）
回电时间	小于1秒（使用 AA 碱性电池）
色温	5600k
闪光灯时间	1/800s~1/20000s
闪光距离	TTL 自动闪光减 8 度手动光量输出控制
	（1/128~1/1）精度为 0.3 级
附加功能	曝光包围、曝光补偿、灯头自动变焦、后帘同步、曝光锁定
体积	66*72*172 mm（带附加盒）
净重	259g
所含物品	闪光灯（1）、保护盒（1）、微型底座（1）、说明书（1）

七、使用过程中可能出现的问题和解决方法

1、对焦灯不亮？请确认闪光灯已经对您开关是否打开，确认该相机是否需要闪光灯相机时使用或者该相机是否支持自动检，某些相机需要对内设置，对焦灯是否为常亮或对焦（AF-S），并且需在较低环境，请确认是否相机上的设置被禁用。

2、照片欠曝或过曝？检查此时照相机设置的值已，光圈，感光度（ISO）是否设于较适闪光的模拟，或者相机测量不到，曝光包围等与闪光有关的设置是否正确。

3、相片出现暗角或者被摄物体只有局部能照亮？本产品设计的灯头发光范围是 24-85mm，并且只能作为部分相机的机系统，您可以尝试拆出广角扩散板，以扩大闪光范围。

4、由于各型号相机的差异以及个人喜好关系，使用本产品有可能出现整体过曝或欠曝的情形，请试拍通过相机闪光补偿或曝光补偿设置进行调整。

5、如果您觉得闪光灯的智能拍摄模式，请无法闪光按钮相关的【电源开关】，您可以靠灯光来手受更清晰的视觉效果。

6、闪光灯状态异常？请试图关闭闪光灯与相机的电源，在相机热靴上安装好闪光灯后，再重新打开闪光灯与相机电源，如仍有异常，请与供应商联系。

7、产生使用此光令设备。当在产闪光灯安装或更改中时时应首先将其卸下，以免损坏。

8、S1、S2 离机引闪不成功？使用 S1、S2 模式时请使用以下情况：在产外部闪光连接附近无线发射设备，主灯使用红外线进行主灯使用的模式（尼康）或无线模式（佳能）使用 S1/d2 作为闪光的设备。

本使用说明书中的功能说明基本公示的测试条件获得的，设计和规格如有变更，恕不另行通知。

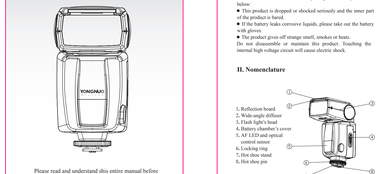
本说明书中的未讲（YONGNUO）撤标是国际未设置标准时提供有限公司或子国或相关地区（地区）的注册商标或商标。其他所有商标均为其各自所有者拥有。

深圳市永诺摄影器材股份有限公司
地址：深圳市华强北路赛格科技园二栋西 A511 室
网址：www.blyongnuo.com
全国服务热线 400-001-3888

YONGNUO
DIGITAL

SPEEDLITE
YN468-II

USER MANUAL



Please read and understand this entire manual before using this product. Keep it for future reference.

I. Caution

To avoid fire or electrical shock, do not expose this product to rain or moisture.

Do not flash at high level output continuously for over 15 times.

To avoid short circuit, be sure the batteries contacts are securely packed and in accordance with local provision when handling the batteries.

Please place the batteries and the parts which can be swallowed mistakenly away from children. Contact a doctor immediately when it occurs.

To avoid possible injury to eyes, do not use the flash light in a short distance from the eyes.

To avoid possible safety accident, do not use the flash light on the people who need a high degree of attention.

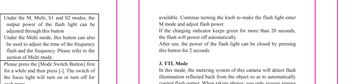
Please take out the batteries and stop using immediately in case of failure:

- The product is dropped or shocked seriously and the inner part of the product is bared.
- If the battery leaks corrosive liquids, please take out the battery with gloves.
- The product gives off strange smell, smokes or heats.

Do not disassemble or maintain this product. Touching the internal high voltage circuit will cause electric shock.

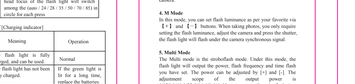
II. Nomenclature

1, Reflection board
2, Wide-angle diffuser
3, Flash light's head
4, Battery chamber's cover
5, Lock switch / optical control sensor
6, Locking ring
7, Hot shoe stand
8, Hot shoe pin



9, LCD panel
10, + / - buttons
11, Power switch
12, Mode switch button
13, **PC port**
14, Charging indicator
15, Test button

LCD panel description



16, Mode indicator
17, Output/EV indicator
18, AF LED switch indicator
19, ISO indicator (for Nikon version)
20, Aperture indicator
21, Output level fine / frequency indicator
22, Flash times indicator for Multi mode
23, Read-curtain indicator
24, Power low indicator
25, Flash head zooming indicator
26, Flash head manual zoom indicator

III. Installation Instruction

1. Install Batteries

Slide the batteries chamber's cover in the direction of the arrow.

Insert the batteries according to the label inside the battery chamber.

Make sure the direction of the batteries' polarity is correct. Close the battery chamber cover in the direction of the arrow.

2. Mount the speedlite on your camera

Loosen the locking ring by turning it in the direction of the arrow. Slip the speedlite hot shoe stand into the camera hot shoe stand until it stops. Turn the locking ring in the direction of the arrow tightly. To detach the speedlite, loosen the locking ring by turning it in the opposite direction.

IV. Basic Functions

1. Basic Operations

Operation of the buttons :

Component	Operation
[Power Button]	Power switch of the flash light: The power of the flash light can be opened or closed by pressing this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is turned off through this button.
[Mode Switch Button]	The mode of the flash light will be switched among the TTL/M/Multi/S1/S2 in circle for each press.
[Test Button]	Press the test and the flash will output the brightness.
[+]and[-]Button	Under the TTL mode, the exposure compensation can be adjusted through this button (the flash compensation of the camera will be covered).

	Under the M, Multi, S1 and S2 modes, the output power of the flash light can be adjusted through this button.
[Mode Switch Button]+[-]	The flash light's hot shoe can also be used to adjust the time of the frequency flash and the frequency. Please refer to the section of Multi mode.
[Mode Switch Button]+[+]	Please press the [Mode Switch Button] first for a while and then press [+]. The switch of the focus light will turn on or turn off for each press.
[Mode Switch Button]+[+]	Please press the [Mode Switch Button] first for a while and then press [+]. The flash light will switch between the front-curtain synchronization and the rear-synchronization for each press.
[Mode Switch Button]+[Power Button]	Please press [Mode Switch Button] first for a while and then press [Power Button]. The head focus of the flash light will switch among the (auto / 24 / 28 / 35 / 50 / 70 / 85) in circle for each press.

Status and meaning of [Charging indicator]

Status of [Charging Indicator]	Meaning	Operation
The red light is lit	The flash light is fully charged, and can be used.	Normal
The green light is lit	The flash light has not been fully charged.	If the green light is lit for a long time, replace the batteries.
The green light blinks	The flash light is locked due to low battery.	Replace the batteries.
The red and green lights blink alternatively.	The flash light is locked to prevent overheating due to frequent flashing.	Wait for about 3 minutes to cool the flash light.

2. Power-on and Power-off

Turn the switch knob clockwise to turn on the flash light power supply; at the same time, the flash light is set as TTL mode, the charging indicator is green and it will turn to red after the charge is finished many seconds later, which indicates the flash is

available. Continue turning the knob to make the flash light enter the next circle of the flash light.

If the charging indicator keeps green for more than 20 seconds, the flash light will enter sleep mode automatically.

After use, the power of the flash light can be closed by pressing this button for 2 seconds.

3. TTL Mode

In this mode, the metering system of this camera will detect flash illumination reflected back from the object so as to automatically control flash output. When taking photos, you only require aiming at some scene and press the shutter after focusing, the light will give proper light as per tips and then you can get your desired photo.

In the TTL mode, you can also make compensation of flash brightness with the [Output control knob] within the range of ±3ev, with the precision of 1/3ev. Please Note that the compensation setting will override the exposure compensation setting on the camera.

4. M Mode

In this mode, you can set flash luminance as per your favorite via the【+】and【-】buttons. When taking photos, you only require setting the flash luminance, adjust the camera and press the shutter, the flash light will flash under the camera synchronous signal.

5. Multi Mode

The Multi mode is the stroboflash mode. Under this mode, the flash light will output the power, flash frequency and time flash you have set. The power can be adjusted by [+] and [-]. The adjustment scope of the output power is 1/128-1/64-1/32-1/16-1/8-1/4. If you want to adjust the flash time and flash frequency, please press [+] once firstly and the output power will close. Press [Mode Switch Button] that is the MODE button under this status, the flash time will close. The flash time and flash frequency can be adjusted by [+] and [-]. Press [Mode Switch Button] again, the flash frequency starts to close. The flash time can be adjusted at this time by pressing [+] and [-]. **NOTE:** The charging speed of the flash light is slow under the situation that the electricity quantity of the battery is insufficient, which may cause the occurrence of the high-frequency flash. Please reduce the flash frequency or change new battery under this situation.

6. S1/S2 Mode

Press the [MODE] button, then the flash will enter S1/S2 mode. These modes are applicable for slave flash in order to create many flash effects. They are respectively applicable for manual flash environment and TTL flash environment.

When the flash is in S1 mode, it will work with the first work of the master flash synchronously, with the result consistent with the use of radio slave. To use this mode correctly, the master flash should be set at manual flash and the TTL flash system with preflash function and the red-reduction function with multiple flashes should not be used.

S2 mode is similar to S1 mode, but it can support full flash ammeter in TTL mode. In particular, if S1 mode cannot have correct and synchronous flash with the inbuilt flash, you can try to use S2 mode.

7. Menu Access of Camera (only compatible with Canon ETTL camera system)

On the Canon camera supporting ETTL, this flash can control the flash function via the camera menu. With the setting function of the external flash function in the flash control menu, you can switch between the ITTL mode and the manual flash mode; in addition, on such menu, you may also set front and rear curtain synchronization, and set manual flash output with 1/3ev step length.

8. Test Flash

Whether in any mode, you can press PILOT button to test if the flash light flashes normally.

In M/S1/S2 mode, press the PILOT button and the flash light will send light with different luminance as per levels of output power selected.

9. Power-saving Function

In TTL/M/MULTI mode, if idle for about 30mins, the flash will power off automatically.

In S1/S2 mode, if idle for 60mins, the flash will power off automatically.

10. Overheating Protection

If the flash light is used too frequently, its overheating protection function will be triggered, the red and green lights of the charging indicator will blink alternatively, and the flash light will be locked. In such case, please wait for three minutes to cancel the protection before continuing the use.

Please try to use the 1/4 output or lower when rapid shooting is needed to prevent the effect on the shooting.

11. Auto Zoom

When the flash light is mounted on the camera system supporting ETTL/TTL, the flash light tube will move forward and backward with the changes of lens focus to suit different illumination zones. Note: Auto Zoom does not support flash ammeter system, but you may pull out the wide-angle diffuser to avoid vignetting in photos.

12. Set the focus position of the light head manually

The focus position of the light head can be set manually by pressing [Mode Switch Button] + [Power Button]. Please press the [Mode Switch Button] for a while and then press [Power Button]. The light head focus of the flash light will switch among the (auto / 24 / 28 / 35 / 50 / 70 / 85) in circle for each press.

13. PC synchronous port(for input)

By connecting to the PC synchronous port, you can make the flash synchronously

V. Advanced Application

1. Multi-lamp Lighting Application

Use inbuilt flash or top-mounted flash as master flash

Place speedlite in different directions.

In outdoor application, radio signals can be received by the receiver when the placement of the slave flash should have more space.

Before placing of the slave flash, test whether S1/S2 can be synchronous normally.

Do not place any obstacles between the host flash and the slave flash, because they may block the transmission of radio signals.

In radio flash mode (S1 or S2), if the flash is idle for 30min, it will power off automatically in order to save power

2. Exposure Bracketing (FEB)

The FEB function is set on the camera. For the specific setting method, refer to your Camera Instructions. After the FEB is set,

after 3 photos are taken, exposure compensation will be made automatically in the sequence of, for example, "normal → under → over". This function helps you improve the success rate of photo-taking.

3. FV Lock (Nikon)

Set the AE-L/AF-L function as FV Lock on the camera before using this function. At this time, you can aim at your desired object in the viewfinder and then press the AE-L key or AF-L key, in such case, the flash light will pre-flash to get the reading of exposure data for the object, after you have confirmed the scene frame, press the shutter. (This function can only be available when your camera supports it, for the setting of AE-L and AF-L, refer to your camera manual)

4. FE Lock (Canon)

To use this function, cover the subject for which flash exposure will be locked at the center of the viewfinder of camera, press the shutter release button halfway down, and then press the AE-L button. The flash unit will calculate the appropriate flash output data. Now you have some time for recomposition. After which, you can take photos. (The function can be used only when it is supported by your camera. For the setting method, refer to your Camera Instructions.)

5. Rear-curtain Sync

You can use slow-speed shutter to produce trailing smear for the subject and then the flash light will flash at the moment when the shutter is going to be shut, which means the rear-curtain sync function. (For the rear-curtain sync setting, refer to your camera manual for setting)

6. Application of AF LED

If the object or environment lacks sufficient light, the camera can not conduct accurate focusing; at this time, the flash light can give out AF light to assist in the camera's focusing so as to achieve accurate focusing.

7. Exposure Compensation

You can use the exposure compensation function of this camera to compensate flash output so as to make shooting effect better meet your requirements. (For Canon version, the exposure compensation function on camera is available only in TTL mode)

In the TTL mode, you can also make compensation of flash

brightness with the [Output control knob] within the range of ±3ev, with the precision of 1/3ev. Please Note that this compensation setting will override the exposure compensation setting on the camera.

8. Reflection Flash

Bounce flash means to take photos by making flash light head aimed at wall or ceiling and using the light reflected back from the ceiling or wall to light the desired object, so that the shade behind the object can be decreased to get more natural shooting effect.

If the wall or ceiling is too far, the bounce flash may be too weak to get enough exposure. The wall or ceiling should be white even and white in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photos

9. Use Reflection Board to Take Photos

With the reflection board flash, draw the reflection board and the wide-angle diffuser board out from the light head at the same time and then push the wide-angle diffuser board back. In such case, if this product is being used to take photos, it will produce a highlighted point on the eyes of the subject and thus make the eyes charming (catch light). This function can reach optimal effect when the flasher head is up 90°.

10. Use Wide-angle Diffuser

Pull out the wide-angle diffuser board, push back the reflection board and then aim at the object as per the figure; in such way, the beam will extent to 18 mm and the flash effect will be softer and more natural.

Note: When this product is used in incompatible (ETTL/ETTL camera, Functions 2, 5, 6, 7, 8 and 7 are not available.

VI. Specifications

Guide number	33
Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Flash mode	TTL, M, Multi, S1, S2
Zoom range	Auto, 24, 28, 35, 50, 70, 85 mm
Vertical rotation angle	-7~90 degrees
Horizontal rotation angle	0~270 degrees
Power Supply	4×AAsize batteries (Alkaline or Ni-MH are usable)
Lighting times	100~1500 times (AA alkaline cell used)
Recycle time	less than 3s (AA alkaline cell used)
Color temperature	5600k
Flash time	1/800s~1/20000s
Flash control	TTL auto flash or manual Level 8 high frequency output control with 0.3 stage increment
Additional features	FEB, FEC, ITTL, Automatic zooming, Rear-curtain Sync
Dimensions	66×72×172 mm(extended state)
Net weight	259g
Accessories	Flash light (1), protecting bag (1), and mini stand(1) and manual (1)

VII. Possible problems during use and solutions

1. The AF LED is not on?

Check if this camera needs flash light assist AF or if it supports the function; some cameras requires focusing points to be in the center; focus method to adopt AF-S and requires dark environment; check if some settings in the camera settings including exposure compensation in relation to flash are forbidden.

2. Photos are under exposure or over exposure? Check if the set shutter, aperture and ISO are too near the flash limit or if some settings including exposure compensation in relation to flash are forbidden.

3. Vignetting appears in photos or only part of the subject is illuminated?

This product has a designed light head zoom range of 24-85 mm, and is currently not compatible with full frame camera system. You may pull out the wide-angle diffuser to widen the flash range.

4. Because of differences among various models of cameras and different personal preferences, the use of this product may cause the whole overexposure or underexposure; please try to make adjustments by the camera flash compensation or exposure compensation settings.

5. You may fuel the flash control panel in dire, because there is one protective film on the panel, you can tear it away to enjoy a clear visual effect.

6. The flash light is abnormal?

Switch off the power of flash light and camera, mount the flash light on the hot shoe of camera, and switch on the power of flash light and camera again. If the abnormity continues, replace the batteries.

7. Precaution for outdoor use of lambency umbrella:

The lambency umbrella mounted on the flash light endows may be blown down easily, and the hot shoe of the flash may be broken. Please fix the mounting rack or avoid outdoor use.

8. The S1 and S2 lead flash without the camera failed?

The following situation shall be avoided when the S1 and S2 modes are used: the wireless touch sensor is directly shined under the sun; the red eye reduction function of the main light is used; the mode (Nikon) or wireless mode (Canon) of the main light is used; the S1/d2 is used as the flash controller.

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Shenzhen Yong Nuo Photographic Equipment Co., Ltd
Address: 2-A511 Sege Science & Technology Park, North Huaqiao Rd, Futian District, Shenzhen, China
Website: www.blyongnuo.com
TEL: 400-001-3888