



YN560

使用说明 USER MANUAL

在使用本产品之前，请通读本手册，以确保您能安全使用，
然后保存好本手册以备将来查询参考。

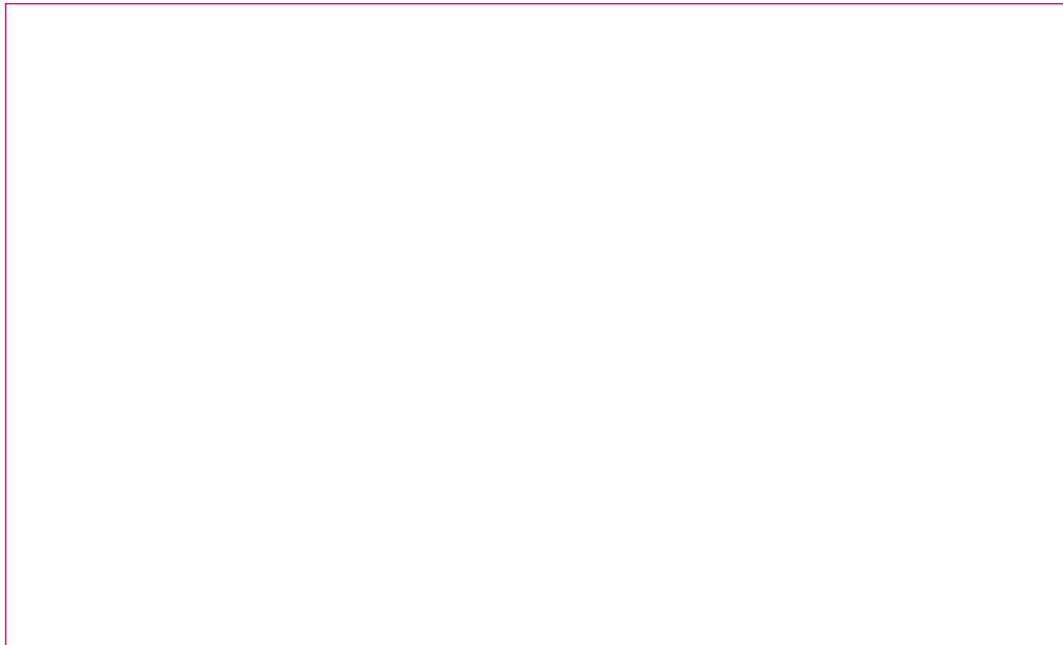
Before use, please READ this user manual carefully in order to ensure your safety.

Keep it properly for reference in the future.



中文

English



一、警告:

请勿让本产品淋雨或受潮，以免发生火灾或触电。

处理电池时，请将电池的触点包裹好以避免短路，并请遵守好当地有关处理电池的规定。

请将电池或容易误吞的东西远离儿童存放，如果误吞了物体，请立即与医生联系。

不要近距离对人体的眼睛使用闪光灯，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闪光灯，否则有可能引发安全事故。

如果发生以下情况，请立即取出电池并停止使用。

本产品跌落或受到强烈冲击，使产品的内部裸露。

电池内部腐蚀性液体泄漏，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，如果接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、产品特点

YN560是永诺全新设计的一款专业创作型闪光灯，和YN460-II及YN460相比，它具有以下全新的特点：

全新的外观—全新系列的外观显得更美观、更体面、更舒适、更专业。

增加电动变焦功能—通过闪光灯上的按钮，可以使灯头覆盖焦距在24~105mm之间变动。

GN58 @ ISO100, 105mm—永诺为YN560赋予了更高的闪光指数，达到主流热靴闪光灯的水平。

改进的无线触发感应器—永诺为YN560改进了无线触发感应器，使得S1、S2模式可工作于户外环境，无线触发感应距离长达15米。

声音提示—拍摄之后回电完毕，闪光灯会发出嘀声提示，让您得以专注于创作过程（注：声音可以关闭）。

增加外置电源插座—YN560增加了外置电源插座，满足您更高的回电速度需求。

增加PC同步口—YN560增加了标准的PC同步口，使您更便于使用PC同步线让闪光灯同步闪光。

超速回电—全光输出回电时间仅需3秒，即使不使用全新电池，也能获得极速的回电体验，只需4~5秒；从此您可以彻底摆脱焦急等待回电的恶梦，您还可以使用外置充电盒对回电时间再次加速。

支持高速连拍—在1/8及以下的亮度，YN560能支持8FPS的高速连拍。

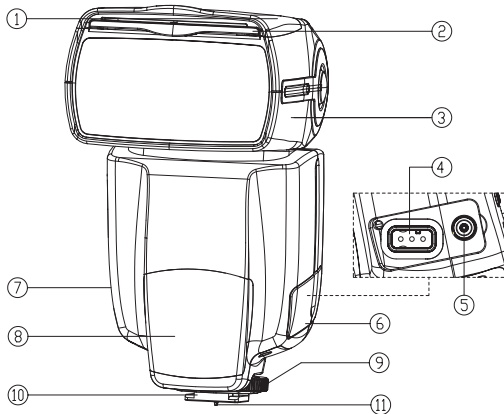
改进的节电模式—永诺为YN560设计了节电模式，在节电模式下，闪光灯会进行休眠及更快地自动关机；在非节电模式下则不休眠，闪光灯闲置更长时间才自动关机。

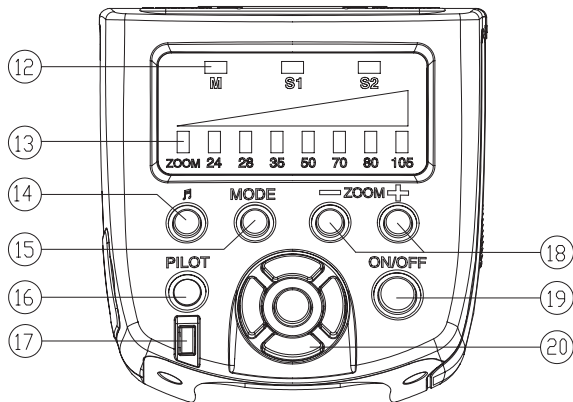
更精细的亮度控制—YN560的亮度控制更为精细，从1/128到1/1，每级闪光亮度有8个微调小档；结合灯头变焦，YN560让您几乎能获得所有期望的照明效果。

自动保存设置—YN560能自动保存您当前的操作设置。

三、部件说明（部件以实物为准）

- 1、反射板
- 2、广角扩散板
- 3、闪光灯头
- 4、外置电源插座
（可连接SF-18C或SF-17C充电盒）
- 5、PC孔（输入）
- 6、接口盖
- 7、电池仓盖
- 8、无线触发感应器
- 9、固定旋钮
- 10、热靴座
- 11、热靴触点





- 12、模式指示灯（M、S1、S2）： 指示当前闪光模式。
- 13、输出功率指示灯： 通过设置按钮来调节输出功率大小；共有8档亮度调节。指示输出功率，微调时指示微调补偿；调整焦距时指示当前焦距覆盖范围。
- 14、声音开关： 短按开启或关闭声音提示；长按开启或关闭节电模式。
- 15、模式切换按钮： 每按一次，闪光灯模式依次在M/S1/S2之间循环切换。
- 16、充电指示灯/测试按钮（PILOT）： 亮红灯表示充电完成，可以进行闪光；亮绿灯表示处于充电状态或电量不足；红绿交替闪烁表示过热保护。按下该测试按钮（PILOT），闪光灯将发出测试闪光。
- 17、节电指示灯： 长亮指示节电模式已关闭；长灭指示节电模式开启；节电模式开启状态下，节电指示灯闪烁，表示进入休眠状态。
- 18、灯头电动变焦按钮： 通过设置按钮【+】、【-】可以调节变焦范围（24，28，35，50，70，80，105mm）。
- 19、电源开关（ON/OFF）： 长按电源开关2秒以开启或关闭电源。
- 20、功率调整按钮：通过【左】【右】按钮调节功率输出，通过【上】【下】及中间【确定】按钮对当前功率输出进行微调。

四、产品安装

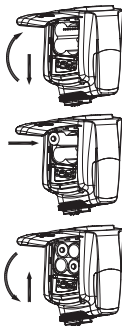
1、安装电池

按箭头所示方向滑动【电池仓盖】将其打开。

按电池仓中贴纸的指示安放电池，确保电池的正负极接点朝向正确。

按箭头所示方向滑动【电池仓盖】将其关闭。

注意：请使用4颗标准规格的AA电池。请勿使用外皮破损的电池，防止发生短路。



2、将闪光灯安装到相机上

按箭头所示方向转动【固定旋钮】到最高点。

将闪光灯【热靴座】完全推入相机热靴。

如箭头所示方向转动【固定旋钮】拧紧。

要取下闪光灯，请松开【固定旋钮】，然后从相机热靴中推出。



将闪光灯热靴座完全推入相机热靴座。(索尼版本)

通过热靴座里的卡位将闪光灯固定在相机上。(索尼版本)

要取下闪光灯,请先按住闪光灯热靴座上的按钮,同时将闪光灯从相机热靴中推出。(索尼版本)

五、基本功能

1、基本操作

按钮的操作：

部 件	操 作
【电源开关】	长按该按钮2秒可开启或关闭闪光灯电源。 推荐通过该按钮关闭闪光灯电源之后再取出电池。
【模式切换按钮】	每按一次，闪光灯模式依次在M/S1/S2之间循环切换。
【声音开关】	每按一次，可以开启或关闭声音提示。 长按该按钮2秒，可以开启或关闭节电模式。
功率调整按钮的 【左】、【右】按钮	通过该按钮可以调整闪光灯输出功率。
功率调整按钮的 【上】、【下】及 中间【确定】按钮	通过该按钮可以对闪光灯输出功率进行微调，每次微调后按中间【确定】按钮进行确定。
【-】ZOOM【+】按钮	通过该按钮可以调整焦距范围，每按一次，闪光灯灯头焦距将在（24/28/35/50/70/80/105 mm）之间循环切换。
【PILOT】按钮	按下该按钮可以测试闪光输出亮度。

【输出功率指示灯】的含义：

- * 亮 表示对应位置的指示灯亮起
 ○ 表示指示灯关闭

M/S1/S2模式输出功率控制									
【输出功率指示灯】状态									输出功率
亮	○	○	○	○	○	○	○	○	1/128
亮	亮	○	○	○	○	○	○	○	1/64
亮	亮	亮	○	○	○	○	○	○	1/32
亮	亮	亮	亮	○	○	○	○	○	1/16
亮	亮	亮	亮	亮	○	○	○	○	1/8
亮	亮	亮	亮	亮	亮	○	○	○	1/4
亮	亮	亮	亮	亮	亮	亮	○	○	1/2
亮	亮	亮	亮	亮	亮	亮	亮	亮	1/1

【充电指示灯】状态含义：

【充电指示灯】状态	含义	处理方法
亮红灯	闪光灯充电完成，可进行闪光	正常
亮绿灯	闪光灯充电未完成	如长时间亮绿灯，请更换新电池
红绿交替闪烁	因频繁闪光，为防止过热，闪光灯被锁定	静置大约3分钟，等待闪光灯冷却

【声音提示】的含义：

声响方式	含义	处理方法
滴滴2声	a.声音开关开启； b.闪光灯开机；	正常
滴滴滴3声	闪光灯处于 充电状态	等待充电完成
滴滴滴滴4声	声音开关关闭	正常
连续快速响	电量不足或过热保护，闪光灯被锁定	更换电池
滴—长响	闪光灯充电完成， 可以进行闪光	正常

【节电指示灯】（M模式）

显示方式	含义	处理方法
指示灯长亮	节电模式关闭	可以通过长按 【声音开关】开启
指示灯长灭	节电模式开启	可以通过长按 【声音开关】关闭
指示灯闪烁	闪光灯进入 节能状态	可以通过按电源 开关或【PILOT】 按钮重新唤醒闪光灯

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，闪光灯将读取上次关机前保存的设置状态。此时【充电指示灯】亮红灯，表示可以进行闪光。

若充电超过20秒仍未充满，闪光灯将自动关机，此时需要更换新电池。

您可以通过按【PILOT】按钮来测试闪光是否正常。

使用完毕后，长按【电源开关】2秒即可关闭电源。

3、M模式

该M模式下，您可以根据自己的喜好设定闪光亮度，通过【左】【右】、【上】【下】及中间的【确定】按钮可以对闪光亮度进行调节。闪光亮度的调整范围是1/128~1/1，亮度共8档，每一档可有8档微调，【上】【下】按钮作为微调输出功率使用。亮度等级由亮度指示灯显示。拍摄时，您只需要设定闪光亮度，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。

4、S1/S2模式

通过按下【模式切换按钮】可以使闪光灯进入S1、S2模式。这两种模式适合作为离机副灯使用，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

亮度和M模式一样，只需要操作【左】【右】、【上】【下】按钮及中间的【确定】按钮就可以了。使用S1、S2模式时，可以通过旋转闪光灯灯头，使感应器对着主控灯。

S1模式：当闪光灯处于S1模式，它会与主闪光灯的第一次闪光同步触发闪光，效果与使用无线引闪器一致。要正常使用该模式，您的主闪光灯应设置为手动闪光，不应使用具有预闪的TTL闪光系统，也不应使用具有多次闪光的红眼减轻功能。

S2模式：又被称为“预闪取消模式”，该模式与S1模式类似，但它能忽略TTL闪光灯发出的预闪，因此可以支持工作在TTL模式的主闪光灯。特别地，如果S1模式无法与您的内置闪光灯正确同步闪光，您可以尝试使用S2模式。

请注意使用S1、S2模式时避免以下情况：主灯使用红眼减轻功能；主灯使用指令模式或无线模式；使用ST-E2作为闪光控制器。

5、测试闪光

无论处在哪种模式下，您都可以通过按【PILOT】按钮来测试闪光灯是否闪光正常。测试闪光时，闪光灯会根据所选择的输出功率的等级发出相应亮度的闪光。

6、节电模式

永诺为YN560设计了节电模式，此节电模式可以通过长按【声音开关】进行开启或关闭。

在M模式下，开启闪光灯节电模式，节电指示灯熄灭，闪光灯闲置3分钟将进入休眠状态，以节省

电量，您可以通过按【PILOT】按钮、【电源开关】按钮或通过PC接口来唤醒闪光灯以便继续操作。闲置15分钟后闪光灯将自动关机。如果关闭节电模式，节电指示灯亮起，闪光灯停止操作后不会进入休眠状态，闲置30分钟后闪光灯将自动关机。

在S1、S2模式下，开启闪光灯节电模式，闲置30分钟后闪光灯将自动关机；若关闭闪光灯节电模式，闲置60分钟后闪光灯将自动关机。

闪光模式	节电模式 [开]	节电模式 [关]
M模式	闲置3分钟休眠，15分钟自动关机	不休眠，闲置30分钟自动关机
S1/S2模式	闲置3分钟休眠，30分钟自动关机	不休眠，闲置60分钟自动关机

7、过热保护


连续拍摄过于频繁时，将触发闪光灯的过热保护机制，此时充电指示灯将红绿交替闪烁，且锁定闪光灯。请将闪光灯静置约3分钟，等待保护状态解除后继续拍摄。















为避免影响拍摄，需要快速拍摄时，请尽量使用1/4及以下输出。

8、手动设置灯头变焦位置

通过【 - 】 ZOOM 【 + 】按钮可以手动设置灯头的变焦位置。按下【 + 】与【 - 】按钮，闪光灯灯头焦距将在（24 / 28 / 35 / 50 / 70 / 80 / 105mm）之间循环切换。

设置灯头变焦位置时，操作面板的指示灯将显示当前灯头位置，显示的位置所表示的灯头焦距参见下表：

*  表示对应位置的指示灯亮起，o 表示指示灯关闭

ZOOM设置灯头变焦位置的使用									
【输出功率指示灯】状态								灯头焦距（mm）	
		o	o	o	o	o	o	24	
	o		o	o	o	o	o	28	
	o	o		o	o	o	o	35	
	o	o	o		o	o	o	50	
	o	o	o	o		o	o	70	
	o	o	o	o	o		o	80	
	o	o	o	o	o	o		105	

9、声音提示

在声音开关打开的情况下，闪光灯会发出不同的声音，提示其工作状态，声音的含义参见下表：

声响方式	含 义	处理方法
滴滴2声	a.声音开关开启； b.闪光灯开机；	正常
滴滴滴3声	闪光灯处于充电状态	等待充电完成
滴滴滴滴4声	声音开关关闭	正常
连续快速响	电量不足或过热保护，闪光灯被锁定	更换电池或闲置3分钟
滴—长响	闪光灯充电完成，可以进行闪光	正常

10、PC同步口（输入）

通过连接PC同步口，可以使闪光灯同步闪光。请注意该PC同步口只接收同步信号输入，不支持同步信号输出。

11、自动保存设置

闪光灯会自动保存当前的设置，方便您下次开机后使用。

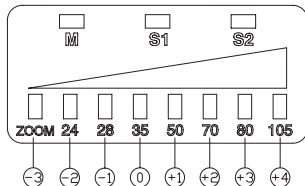
六、高级应用

1、输出功率微调功能

YN560具有输出功率微调功能，您可以通过本功能对闪光输出进行更细微的调节。

在用功率调整按钮的【左】与【右】按钮调整了功率的输出值的情况下，若按【上】与【下】按钮进行调整时，输出功率指示灯第四个灯将亮起并闪烁，闪光灯进入输出功率微调状态，此时可以通过【上】与【下】按钮来微调闪光灯的功率输出，调节步长为 $1/8\text{ev}$ ，从而获得更精细的曝光控制。按中间【确定】按钮可以退出该状态，或者闲置15秒后自动退出。

对输出功率进行微调时，相应位置指示灯所表示的微调值如下图所示：



2、多灯布光应用

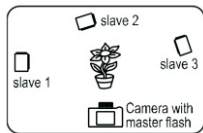
使用内置闪光灯或机顶外置闪光灯作为主灯。

将闪光灯作各种不同的方向摆放。

在室内使用时，无线信号可通过墙壁反射回来，因此在放置副闪光灯时可以有更多空间。

放置副闪光灯时，请在拍摄前先测试S1或S2模式是否正常同步。

请勿在主闪光灯及副闪光灯之间放置障碍物，障碍物会阻碍无线信号的传送。经改进后的无线触发感应器，其触发感应灵敏度更高，使S1/S2模式可工作于户外状态下，无线触发感应距离长达15米。



室外使用时请注意：无线触发感应窗需要对着主控闪光灯，且不能让阳光直接照射，如果这些要求与您希望的灯光照射方向冲突，请试图上下左右旋转闪光灯头，以满足拍摄的需求。

3、按钮即刻生效

在本闪光灯上，您可以获得最快的操作速度，只要直接按相应的按钮，按钮在当前状态下对应的功能便直接生效；包括电源开关、测试亮度输出、模式切换、输出功率调整、灯头变焦、声音开关等等。

4、使用外置充电盒

您可以购买永诺外置充电盒SF-18C或SF-17C，将其连接至闪光灯的充电口，闪光之后，充电盒将对闪光灯进行充电。

5、高速连拍

本闪光灯可以支持高速连拍功能，请将相机设置为连拍方式，再进行拍摄即可。

请注意：能连拍的照片数量与设置的亮度有关，请使用电量充足的电池。

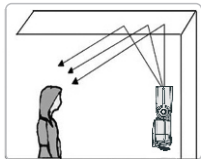
6、后帘同步

您可以使用慢速快门，为拍摄主体制造拖影，闪光灯会在快门即将关闭的那一刻闪光。这就是后帘同步功能（后帘同步需要相机自身支持，其设定方法请参照您的相机说明书）。

7、反射闪光

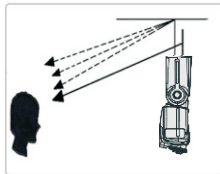
反射闪光是指通过将【闪光灯头】指向墙壁或天花板，借助天花板或墙壁反射回来的光照亮物体来进行拍摄（俗称“跳闪”）。这样可以减轻被摄物体背后阴影，获得更自然的摄影效果。

如果墙壁或天花板太远，反射闪光可能太弱导致曝光不足。墙壁或天花板应该是平坦的，白色的，以利于高效的反射，如果反射表面不是白色的，照片上可能会出现偏色。



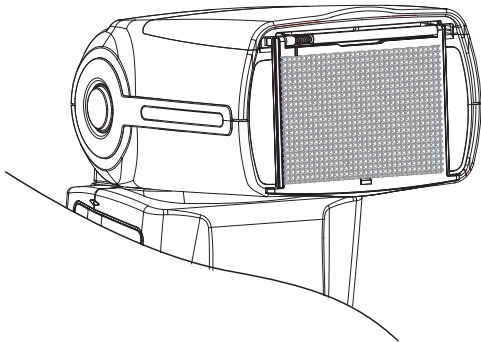
8、利用【反射板】拍摄

使用【反射板】闪光，把【反射板】和【广角扩散板】从灯头一起拉出，将【广角扩散板】推回。如果此时进行拍摄，可以在主体的眼睛造成高光点，使眼神更加迷人有光彩（眼神光）。此功能在闪光灯头上仰90度时能达到最好的效果。



9、使用【广角扩散板】

拉出【广角扩散板】推回【反射板】，并按图示意摆放，闪光范围将会扩大，同时闪光效果将更加柔和自然。



七、规格

线路设计	自动绝缘两级晶体（IGBT）
闪光指数	58 (ISO 100, 105mm)
闪光模式	M、S1、S2
灯头变焦范围	24、28、35、50、70、80、105mm
上下旋转角度	-7~90度
左右旋转角度	0~270度
电源	4枚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	约3秒（使用AA碱性电池）
色温	5600k
闪光灯时间	1/200秒~1/20000秒
闪光控制	8级亮度控制(1/128~1/1)，共57级微调
外部接口	热靴、PC口、外置充电接口
无线触发距离	室内20~30米，室外10~15米
附加功能	灯头电动变焦、声音提示、自动保存设置、PC同步、节电模式、过热保护
体积	60×190×78mm(伸展状态)
净重	350g
所含物品	闪光灯（1），保护袋（1），微型底座（1），说明书（1）

不同焦距范围的闪光指数（ISO 100，以米 / 英尺为单位）

闪光 输出	闪光灯覆盖范围（mm）							
	14	24	28	35	50	70	80	105
1/1	15/49.2	28/91.9	30/98.4	39/127.9	42/137.8	50/164	53/173.9	58/190.3
1/2	10.6/34.8	19.8/65	21.2/69.6	27.6/90.7	29.7/97.4	35.4/116.1	37.5/123	41/134.5
1/4	7.5/24.6	14/45.9	15/49.2	19.5/64	21/68.9	25/82	26.5/86.9	29/95.1
1/8	5.3/17.4	9.9/32.5	10.6/34.8	13.7/45.2	14.8/48.6	17.7/58.1	18.7/61.4	20.5/67.3
1/16	3.8/12.5	7/23	7.5/24.6	9.7/32	10.5/34.4	12.5/41	13.3/43.6	14.5/47.6
1/32	2.7/8.9	4.9/16.1	5.3/17.4	6.9/22.7	7.4/24.3	8.8/28.9	9.4/30.8	10.3/33.8
1/64	1.9/6.2	3.5/11.5	3.8/12.5	4.9/16	5.3/17.4	6.3/20.7	6.6/21.7	7.3/24
1/128	1.3/4.3	2.5/8.2	2.7/8.9	3.5/11.4	3.7/12.1	4.4/14.4	4.7/15.4	5.1/16.7

八、使用过程中可能出现的问题和解决方法

- 1、户外使用闪光灯注意：在户外使用时请防止太阳光直射闪光灯的无线触发感应器，确保闪光灯能够正常使用。
- 2、户外使用柔光伞注意：当在户外闪光灯安装柔光伞的时候容易被风吹倒，导致闪光灯热靴脚摔断，请固定安装架或避免户外使用。
- 3、照片欠曝或过曝？检查此时照相机设置的快门，光圈，感光度（ISO）是否过于接近闪光的极限，或者相机曝光补偿、曝光包围等与闪光有关的设置是否正确。
- 4、相片出现暗角或者被摄物体只有局部能照亮？请检查闪光灯当前的覆盖焦距。请检查镜头焦距是否超出闪光灯的覆盖范围，本产品设计的灯头变焦范围是中画幅系统的24~105mm，您可以尝试拉出广角扩散板，以扩大闪光范围。
- 5、如果您觉得闪光灯控制面板模糊，这是因为面板贴有一层保护膜，您可以撕开它来享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，请更换一组新电池再尝试使用。

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本说明书中的永诺（YONGNUO）徽标是深圳市永诺摄影器材股份有限公司在中国或/和其他
国家（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。

I. Warning

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 below.

- This 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.

Remove batteries during long periods of non-use.

II. Features

YN560 is a brand-new flash specially designed for professional creative photography. Compared with YN460-II and YN460, it has the following brand-new features:

A brand-new appearance: The brand-new appearance looks more beautiful, creditable, comfortable and professional.

New power zoom function: By pushing the button on the flash, it can make the flash covered focal length range from 24 to 105mm.

GN58 @ ISO100, 105mm: YONGNUO gives YN560 a higher guide number which reaches the level of the mainstream hot shoe flashes.

The improved wireless triggering sensor: YONGNUO improves the wireless triggering sensor for YN560, which makes the S1 and S2 mode can be used in outdoor environment and the wireless triggering distance is as long as 15m.

Sound indicator: When the charging process is finished, the flash will give a tick sound, so you may concentrate on the creation process. (Note: the sound can be closed).

New charging socket for external power pack: YN560 adds a charging socket for external power pack, to meet your higher demand for charging recycle.

New PC synchronous port: YN560 adds a standard PC synchronous port, which makes it simpler for you to use the PC synchronous line.

Super speed of charging recycle: It only takes 3 seconds in charging after full power output. Even without new batteries, you can get the super charging speed that it only needs 4~5 seconds; so you can completely get rid of the nightmare of anxious waiting for charging. In addition, you can use the external power pack to accelerate the charging speed once more.

Supporting highspeed continuous shooting: Under the output level of 1/8 or below, YN560 can support the 8FPS high-speed continuous shooting.

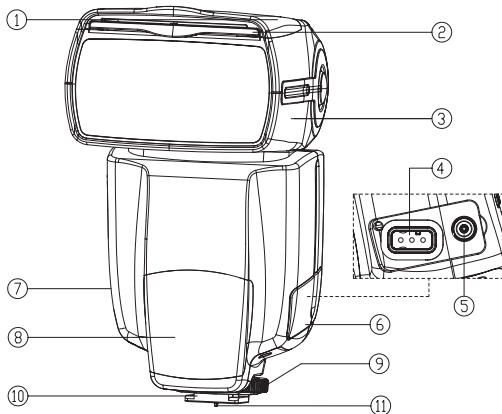
The improved power saving mode: YONGNUO designs the power saving mode for YN560. In the power saving mode, the flash will get automatic shutdown sooner; in the non-saving mode, it will take a longer time before automatic shutdown.

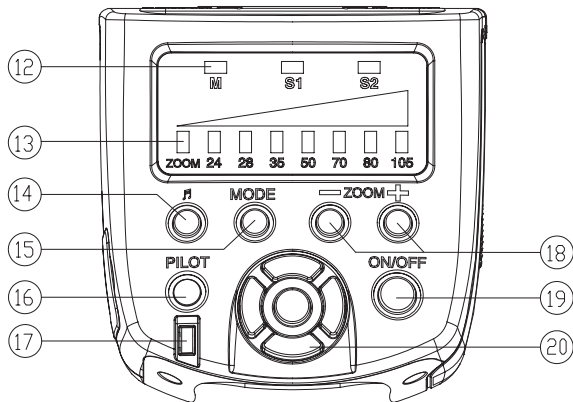
The more fine output control: The output control of YN560 is more fine, which ranges from 1/128 to 1/1 and each class of flash output has 8 small fine tuning stalls; With its zooming flash head, YN560 makes you nearly achieve your anticipant lighting effect.

The automatic setting saving: YN560 can automatically save your current setting.

III. Nomenclature (Please make the object as the standard)

1. Reflection board
2. Wide-angle diffuser
3. Flash light's head
4. External power pack socket
(It can be connected to the SF-18C or SF-17C external power pack)
5. PC port (for input)
6. Contact cover
7. Battery chamber's cover
8. Optical control sensor
9. Locking ring
10. Hot shoe stand
11. Hot shoe pin



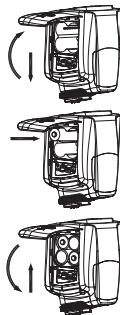


12. **Mode indicator (M, S1, and S2):** It indicates the current flash mode.
13. **Output level indicator:** It can regulate the output power by setting the button; there are 8 levels for output level adjustment. It indicates the output power and the fine-tuning; it indicates the coverage of the current focal length when adjusting the focal length.
14. **The sound switch:** A short press will enable or disable the sound indicator; hold the button to turn on or turn off the power saving mode.
15. **Mode switch button:** The mode of the flash light will be switched among the M/S1/S2 in circle for each press.
16. **Charging indicator / Test button:** The lighting of red light shows that charging process is finished and flash can be used; the lighting of green light shows that it is in charging or a shortage of power; the alternate flashing of the red and green lights shows overheat protection. If you press this test button (PILOT), the flash will give a test flash.
17. **Power Save indicator:** A long-time lighting indicates that the power saving mode is disabled; a longtime non-lighting indicates that the power saving mode has been enabled; when the power saving mode is enabled, the power save indicator will flash which shows that it has stepped into the dormancy state.
18. **Flash head manual motor zoom:** You can adjust the zoom range by setting [+] and [-] key (24, 28, 35, 50, 70, 80, 105mm) .
19. **Power switch:** The power of the flash light can be opened or closed by holding this button for 2 seconds.
20. **Power adjustment button:** Adjust the power output by [LEFT] [RIGHT] and make fine tuning of the current power output by [UP] [DOWN] and [OK] in the middle.

IV. 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 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 until it stops.
Turn the locking ring in the direction of the arrow to tighten.
To detach the speedlite, loosen the locking ring by turning it in the opposite direction.



Mount the speedlite into the camera's hot shoe(for sony version only).
Fix the speedlite on camera through the clamp of the hot shoe(for sony version only).
Remove the speedlite, please press the button of the hot shoe, and then remove the speedlite from camera's hot shoe(for sony version only).

V. Basic Functions

1. Basic Operations

Operation of the buttons:

Component	Operation
[Power Switch]	Power switch of the flash light. The power of the flash light can be opened or closed by holding this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is closed through this button.
[Mode Switch Button]	The mode of the flash light will be switched among the M/S1/S2 in circle for each press.
[Sound Switch]	Every press can enable or disable the sound indicator. Hold this button for 2 seconds can enable or disable the power saving mode.
[LEFT] and [RIGHT] button	The output power of the flash light can be adjusted through these buttons.
[UP] and [DOWN] button and [OK]	You can make a fine tuning to the output power of the flash. After each fine tuning, press the [OK] button to confirm.
[−] ZOOM [+] button	Please press [−] ZOOM [+] button, The head focus of the flash light will switch among the (24 / 28 / 35 / 50 / 70 / 80 / 105) in circle for each press.
[Pilot Button]	Press the test and the flash will test flashing in current output level.

Meaning of [Output control indicator]: Meaning of [Charging indicator]:

* ☼ represents <ON> state of indicator's light,
while 0 represents <OFF> state.

In M/S1/S2 Mode, indicates the output level	
State of [Output level indicator]	Output Level
☼ 0 0 0 0 0 0 0	1/128
☼ ☼ 0 0 0 0 0 0	1/64
☼ ☼ ☼ 0 0 0 0 0	1/32
☼ ☼ ☼ ☼ 0 0 0 0	1/16
☼ ☼ ☼ ☼ ☼ 0 0 0	1/8
☼ ☼ ☼ ☼ ☼ ☼ 0 0	1/4
☼ ☼ ☼ ☼ ☼ ☼ ☼ 0	1/2
☼ ☼ ☼ ☼ ☼ ☼ ☼ ☼	1/1

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 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.

The meaning of [Sound indicator]:

The sound form	Meaning	Operation
Tick twice	a. The sound indicator is enabled; b. The flash is started;	Normal
Tick three times	The flash is in the charging state	Waiting for the completion of charging
Tick four times	The sound switch is closed	Normal
Continuous and quick ticks	The power is not enough or overheating protection, the speedlite is locked	Replace the batteries.
Tick—a long sound	The flash light is fully charged, and can be used.	Normal

[Power saving indicator] (M Mode)

Display mode	Meaning	Operation
A long-time lighting of the indicator	The power saving mode is closed	Press the [Sound Switch] for a long time to start
A long-time off of the indicator	The power saving mode is started	Press the [Sound Switch] for a long time to close
Flashing of the indicator	The flash is in the power saving state	Press the power switch or [PILOT] to awake the flash again

2. Power-on and Power-off

The power of the flash light can be opened or closed by holding this button for 2 seconds. It is suggested that the battery shall be taken out after the power of the flash light is closed through this button.

After opening the power switch of the flash, the flash will fetch the setting state saved in the closedown last time, the charging indicator is green, which indicates the flash is available.

If the charging is not completed within 20 seconds, the flash will automatically shutdown. Then you need to replace with new batteries.

You may press the testing button PILOT to test whether the flash works normally. After use, hold the power switch for 2S to power off.

3. M Mode

In M mode, you can set the flash output level as you like. By [LEFT] [RIGHT], [UP] [DOWN] and [OK] in the middle, you can adjust the flash output level. The adjustment range of the flash output level is $1/128 \sim 1/1$. There are 8 levels of output and each level has 8 fine tuning stalls. The [UP] [DOWN] is used to fine tune the output power. The output level is indicated by the output power indicator. For shooting, what you need is to set the flash output level, adjust the camera and press the shutter. The flash will flash with the synchronic signal of the camera.

4. S1/S2 modes

By pressing the [Mode Switch Button], the flash will step into the S1/S2 mode. These two modes are suitable to be used as off-camera auxiliary light, so as to create a variety of lighting effects. They are suitable for manual flash environment and TTL flash environment respectively.

Under these two modes, the way to adjust the output level is like that in M mode, which is to press the [LEFT]

[RIGHT], [UP] [DOWN] and [OK] in the middle. When using S1/S2 mode, you can rotate the flash head to make the wireless triggering sensor face with the master light.

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 preflight function and the red-reduction function with multiple flashes should not be used.

S2 mode: It is also called “pre-flash cancel mode” . This mode is similar with S1 mode, but it can neglect the pre-flash given by TTL flash. Therefore, it can support the main flash working in TTL mode. In particular, if S1 mode cannot flash correctly and synchronically with your internal flash, you can try to use S2 mode.

The following situation shall be avoided when the S1 and S2 modes are used: the red eye reduction function of the main light is used; the order mode or wireless mode of the main light is used; the ST-E2 is used as the flash controller.

5. Test Flash

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

When testing the flash, the flash will give flash at relevant output level in accordance with the chosen output power setting.

6. Power saving mode

YONGNUO designs the power saving mode for YN560. This mode is enabled or disabled by a long press of [Sound Switch]. In M mode, if the power saving mode is enabled, the flash keep idle for 3 minutes and then it will step into the dormancy state in order to save power. You can press [PILOT] or [Power Switch] to awake the flash to continue operation. It will automatically shutdown after keeping idle for 15 minutes. If you disabled the power saving mode, the power saving indicator will be on. The flash won't step into the dormancy state after being stopped. It will automatically shut down after 30 minutes.

In mode S1/S2, if the power saving mode is enabled, the flash will automatically shut down after keeping idle for 30 minutes; if the power saving mode is disabled, the flash will automatically shut down after keeping idle for 60 minutes.

Flash mode	Power saving mode [ON]	Power saving mode [OFF]
M mode	Keeping idle for 3 minutes will enter the dormancy mode and 15 minutes will automatically shut down the machine	No dormancy, the machine will be automatically shut down after keeping idle for 30 minutes
S1/S2 mode	Keeping idle for 3 minutes will enter the dormancy mode and 30 minutes will automatically shut down the machine	No dormancy, the machine will be automatically shut down after keeping idle for 60 minutes

7. 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 about 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.

8. Manually set the zooming position

By pressing [−] ZOOM [+], you can manually set the zooming position. Pressing [+] and [−], the covered focal length of the flash will switch in circle of (24 / 28 / 35 / 50 / 70 / 80 / 105mm).

In setting the flash zooming position, the indicator in the operational panel will indicate the current position. The focal length showed by the displayed position can be found in the table below:

* ☼ represents <ON> state of indicator's light, while ○ represents <OFF> state.

Application of ZOOM to set the zooming position								
State of [Output level indicator]								zooming (mm)
☼	☼	○	○	○	○	○	○	24
☼	○	☼	○	○	○	○	○	28
☼	○	○	☼	○	○	○	○	35
☼	○	○	○	☼	○	○	○	50
☼	○	○	○	○	☼	○	○	70
☼	○	○	○	○	○	☼	○	80
☼	○	○	○	○	○	○	☼	105

9. Sound indicator

Under the condition that the sound indicator is enabled, the flash will give different sounds to indicate its working situations. The meanings of the sounds can be found in the table below:

The sound form	Meaning	Operation
Tick twice	a. The sound switch is started; b. The flash is started;	Normal
Tick three times	The flash is in the charging state	Waiting for the completion of charging
Tick four times	The sound switch is closed	Normal
Continuous and quick ticks	The power is not enough or overheating protection, the speedlite is locked.	Replace the batteries.
Tick a long sound	The flash light is fully charged, and can be used.	Normal

10. PC synchronous port (for input)

By connecting to the PC synchronous port, you can make the flash synchronously. Please note that this PC synchronous port only receives synchronous signal input without supporting synchronous signal output.

11. Automatic setting saving

The flash will automatically save the current settings in order to let you have a simpler use next time after boot.

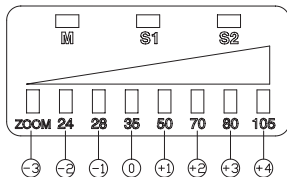
VI. The Advanced Application

1. The fine tuning function of output power

YN560 has the fine tuning function of output power. You can do more nice adjustment to the flash output with this function.

Under the condition of using the [LEFT] and [RIGHT] button to adjust the output value of power, if you press [UP] and [DOWN] to make the adjustment, the fourth light of the output power indicators will light and flash and then the flash will step into the power fine tuning state. Then you can fine tune the power output of the flash by [UP] and [DOWN]. The step size is $1/8\text{ev}$, so you can achieve more elaborate exposure control.

Pressing the [OK] button to exit this state, or it will automatically exit after keeping idle for 15 seconds. In the fine tuning of the output power, the fine tuning values indicated by the relevant indicators are shown in the following picture:



2. Multi-flash Lighting Application

Use inbuilt flash or top-mounted flash as master flash.

Place speedlite in different directions.

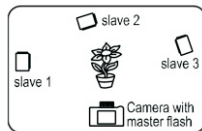
In outdoor application, radio signals can be reflected by walls; therefore, the placement of the slave flash should have more space.

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.

The improved wireless triggering sensor's sensitivity is higher, which makes S1/S2 modes be available in outdoor state. The wireless triggering distance is as long as 15m.

When it is used outdoor, please keep in mind the following tips: the wireless triggering window needs to face the master flash and the direct sunlight shall be avoided. If these demands conflict with your hoped direction of light irradiation, please try to rotate the flash head in each direction in order to meet the shooting demands.



3. Buttons are effective immediately

For this flash, you can get the fasted operation speed. Just press the correspondent buttons and the correspondent functions in the current state will be effective immediately, including the power switch, the test of flash output, mode switch, adjustment of output power, zooming, sound switch and etc.

4. The use of external charging box

You can buy YONGNUO external charging boxes like SF-18C or SF-17C and connect it to the charging port of the flash. After flash, the charging box will charge the flash.

5. High-speed continuous shooting

The flash can realize the high-speed continuous shooting function. Please set the camera in the continuous shooting form and then shoot.

Please note: The number of photos that can be continuous shot is related with the output level. Please use the fully charged battery.

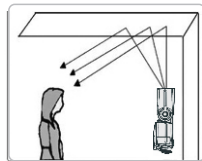
6. Rear-curtain Sync

You can use slow-speed shutter to produce trailing smear for the object and the flash light will flash at the moment when the shutter is going to be shut, which means the rear-curtain sync function(The rear-curtain sync function needs the camera's own support and you can refer to the camera's introduction book for its setting method).

7. Reflection Flash

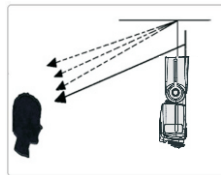
Bounce flash means to take photos by making flash light head aimed at wall or ceiling and using the light reflected back from the ceiling or wall to light the desired object, so that the shade behind the object can be decreased to get more natural shooting effect.

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 even and white in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.



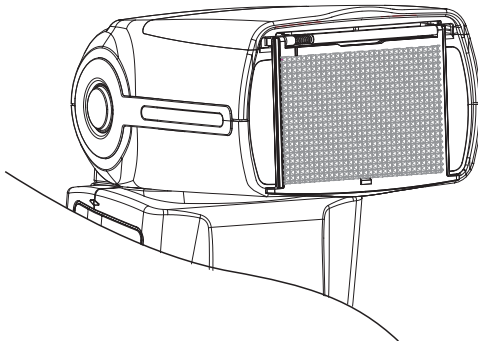
8. Use Reflection Board to Take Photos

With the reflection board flash, draw the reflection board and the wide-angle diffusion board out from the light head at the same time and then push the wide-angle diffusion 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° .



9. Use Wide-angle Diffuser

Pull out the wide-angle diffusion board, push back the reflection board and arrange them as per the figure; in such case, the flash scopes will extent to 18 mm and the flash effect will be softer and more natural.



VII. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide Number	58 (ISO 100, 105mm)
Flash mode	M, S1, S2
Zoom range	24, 28, 35, 50, 70, 80, 105mm
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	approx 3s (AA alkaline cell used)
Color temperature	5600k
Flash time	1/200s~1/20000s
Flash control	8 levels of output control (1/128~1/1), 57 levels of fine tuning
External interface	hot shoe, PC port and external charging port
Wireless triggering distance	20~30m indoor, 10~15m outdoor
Additional features	The electronic flash head zooming, sound indicator, automatically saving setting, PC port, power saving mode and over heat protection
Dimensions	60×190×78mm (Extended state)
Net weight	350g
Accessories	Flash light (1), protecting bag (1), mini stand (1) and manual (1)

Guide Number of different focal length range (at ISO 100, in meters / feet)

Flash Output	Flash Coverage (mm)							
	14	24	28	35	50	70	80	105
1/1	15/49.2	28/91.9	30/98.4	39/127.9	42/137.8	50/164	53/173.9	58/190.3
1/2	10.6/34.8	19.8/65	21.2/69.6	27.6/90.7	29.7/97.4	35.4/116.1	37.5/123	41/134.5
1/4	7.5/24.6	14/45.9	15/49.2	19.5/64	21/68.9	25/82	26.5/86.9	29/95.1
1/8	5.3/17.4	9.9/32.5	10.6/34.8	13.7/45.2	14.8/48.6	17.7/58.1	18.7/61.4	20.5/67.3
1/16	3.8/12.5	7/23	7.5/24.6	9.7/32	10.5/34.4	12.5/41	13.3/43.6	14.5/47.6
1/32	2.7/8.9	4.9/16.1	5.3/17.4	6.9/22.7	7.4/24.3	8.8/28.9	9.4/30.8	10.3/33.8
1/64	1.9/6.2	3.5/11.5	3.8/12.5	4.9/16	5.3/17.4	6.3/20.7	6.6/21.7	7.3/24
1/128	1.3/4.3	2.5/8.2	2.7/8.9	3.5/11.4	3.7/12.1	4.4/14.4	4.7/15.4	5.1/16.7

VIII. Possible problems during use and solutions

1. Please note when use the flash outdoors: For outdoor application, please avoid direct sunlight to the wireless triggering sensor and ensure normal use of the flash.
2. Precaution for outdoor use of lambency umbrella: The lambency umbrella mounted on the flash light outdoors may be blown down easily, and the hot shoe of the flash light may be broken. Please fix the mounting rack or avoid outdoor use.
3. 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 proper.
4. Vignetting appears in photos or only part of the subject is illuminated? Please check the current coverage of focal length and make sure if the lens focal length exceeds the coverage range of the flash. The product's zooming range is 24~105mm of the medium format system. You can try to pull out the wide-angle diffuser to expand the flash range.
5. You may feel the flash control panel is dim, 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 abnormality continues, replace the batteries.

The functions of this manual are based on test conditions of our company. Further notice will not be given if the design and specifications change.

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产品保修卡

用户名称_____ 联系电话_____ 邮编_____

地址_____

产品名称_____ 购买日期_____

故障说明_____

WARRANTY CARD

Owners Name_____ Phone_____ Zip Code_____

Address_____

Product Model_____ Purchase Date_____

Failure Description_____

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