

Manual de instrucciones

Yonguno Yn 500EX



PDF



YONGNUO
DIGITAL

YN500EX

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.



For Canon

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

● 支持高速同步

可支持高速同步 TTL 闪光,您可以在所有的快门速度下同步使用 YN500EX 闪光灯,最高快门同步达 1/8000 秒。

● 兼容 N 家、C 家无线闪光系统

同一台 YN500EX 可分别接受 580EX II、SB-900/800/700、7D/60D/600D 内闪、N 家相机 C 指令、SU-800 及 ST-E2 无线信号,支持 4 个频道,实现离机 TTL 及手动闪光。

● 大尺寸 LCD 显示屏

大尺寸 LCD 显示,可更清晰、更直观地查看及设置闪光功能,使用更便捷。

● GN53 @ ISO100, 105mm

YN500EX 为永诺新型高指数闪光灯,支持 TTL、M、Multi 闪光。

● 多种触发同步方式,灵活多变

YN500EX 可以通过相机机顶触发、内置或主控闪光灯指令触发、S1 和 S2 避预闪触发。

● 配备灯头电动变焦功能

通过操作闪光灯上的变焦按钮,可以使灯头覆盖焦距在 auto, 24~105mm 之间变动。

- **全面支持 TTL 功能**

支持高速同步、曝光补偿、曝光包围、后帘同步、曝光锁定、光圈预览造影闪光、佳能相机菜单访问。

- **远程无线触发感应**

YN500EX 具备远程无线触发感应功能；Sc/Sn/S1/S2 模式可工作于户外环境，无线触发感应距离长达 15 米。

- **声音提示系统**

开启声音提示功能，不同的声响方式提示不同的工作状态，让您得以专注于创作过程（注：声音可以关闭）。

- **配备标准 PC 同步接口**

YN500EX 配备了标准的 PC 同步口，使您更便于使用 PC 同步线让闪光灯同步闪光。

- **超速回电系统**

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。

- **高级选项设置**

YN500EX 具备高级选项设置功能，您可以根据自己的需求自定义闪光灯的功能。

- **自动保存设置**

YN500EX 能自动保存您当前的操作设置，方便你下次开机后继续使用。

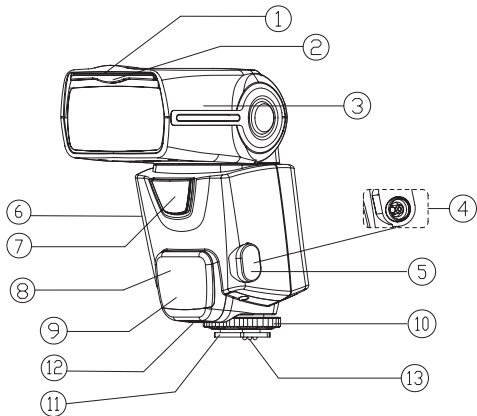
三、快速攻略

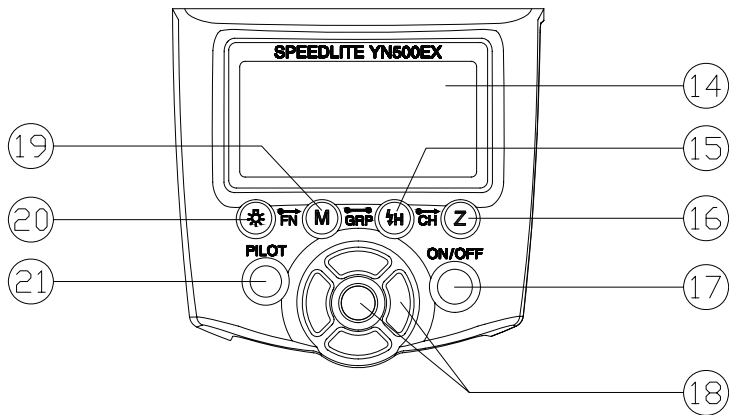
如果您没有时间浏览整本说明书，请阅读本节内容。

- 1、请避免最大输出功率的过度使用，可有效延长本品的使用寿命。（进入过热保护时，建议将闪光灯闲置5分钟以上）
- 2、您可以操作各按钮观察显示内容的变化，了解其各自功能。
- 3、直接按【高速/后帘同步】按钮选择高速同步功能。
- 4、短按【MODE】选择直接切换 TTL/M/Multi；长按【MODE】选择离机触发方式，再按[MODE]按钮切换 Sc/Sn/S1/S2。
- 5、操作组合按钮【高速/后帘同步】+【MODE】设置离机分组 A/B/C；操作【高速/后帘同步】+【ZOOM】设置离机频道 1/2/3/4。
- 6、按【左】【右】【上】【下】按钮可在当前模式下快速调整闪光灯参数，有些参数需按几次中央的【OK】按钮才能进行设置。
- 7、操作组合按钮【背光/声音】+【MODE】可设置高级选项功能，各设置内容见“高级选项设置”一节。
- 8、本产品提供 TTL、M、Multi 模式。

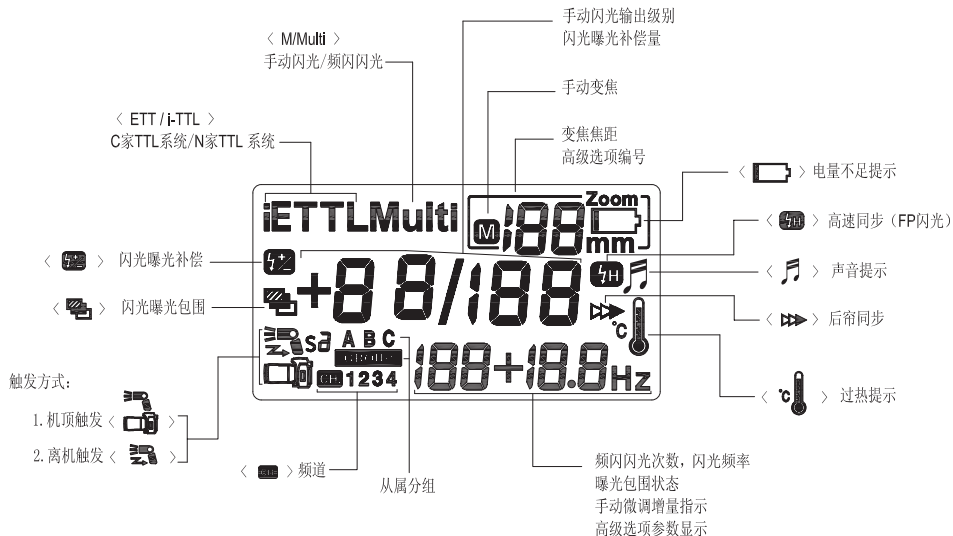
四、部件说明（请认真熟读本部分，让您快速熟悉本产品功能）

- 1、反射板
- 2、广角扩散板
- 3、闪光灯头
- 4、PC孔（输入）
- 5、接口盖
- 6、电池仓盖
- 7、无线触发感应器
- 8、离机指示灯
- 9、辅助对焦灯
- 10、固定旋钮
- 11、热靴座
- 12、声音孔
- 13、热靴触点





- 14、LCD 液晶屏：**显示闪光灯的所有功能及运用设置过程，方便用户查看、快捷设置。
- 15、高速/后帘同步按钮 (H)：**直接通过操作此按钮可以设置高速同步、后帘同步功能。
- 16、变焦按钮 (ZOOM)：**直接操作【ZOOM】按钮可以调节灯头变焦范围 (auto, 24, 35, 50, 70, 80, 105mm)。
- 17、电源开关 (ON/OFF)：**长按此开关约 2 秒可以开启或关闭闪光灯的电源。
- 18、选择/设置按钮组：**包括【左】【右】、【上】【下】及中间的【OK】按钮；【左】【右】按钮可以设置曝光补偿、输出功率、高级选项参数、频闪闪光次数、频闪闪光频率；【上】【下】按钮可设置曝光包围、亮度微调、高级选项数目。
- 19、模式/触发方式切换按钮 (MODE)：**机顶状态下，每按一次，闪光模式将在 TTL/M/Multi 之间切换；在无线离机状态下，每按一次，闪光触发方式将在 Sc/Sn/S1/S2 之间切换。长按【MODE】可切换机顶与离机状态。
- 20、背光/声音按钮 (A)：**短按此按钮可以开启或关闭液晶背光；按下此按钮约 2 秒，将开启或关闭闪光灯声音提示功能。
- 21、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。按下该按钮 (PILOT)，闪光灯将发出测试闪光。



五、产品安装

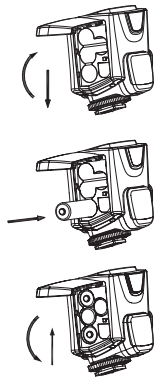
1、安装电池

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】，然后将闪光灯从相机热靴中推出。



六、基本功能

1、基本操作

按钮的操作：

部件	操作
【ON/OFF】	通过长按此开关可以开启或关闭闪光灯的电源。 推荐通过该按钮关闭闪光灯电源之后再取出电池。
【MODE】按钮	闪光灯机顶使用时，每按一次，闪光模式将在 TTL/M/Multi 之间切换。闪光灯无线离机使用时，每按一次，闪光触发方式将在 Sc/Sn/S1/S2 之间切换。长按可以切换机顶或离机状态。
【背光/声音】按钮	短按此按钮可以开启或关闭液晶背光；长按此按钮 2 秒，将开启或关闭闪光灯声音提示功能。按住此按钮不放，再按【MODE】按钮可以进入高级选项设置状态。
【高速/后帘同步】按钮	闪光灯机顶使用，每按一次，闪光灯将在高速同步/后帘同步之间切换；闪光灯离机使用，此按钮可以同【ZOOM】按钮组合设置通信频道（1/2/3/4），也可以同【MODE】按钮组合设置从属分组（A/B/C）。
【ZOOM】按钮	直接操作【ZOOM】按钮可以调节灯头变焦范围（auto, 24, 35, 50, 70, 80, 105mm）。
选择/设置按钮组	包括【左】【右】、【上】【下】及中间的【OK】按钮；【左】【右】按钮可以设置曝光补偿、输出功率、频闪闪光次数、频闪闪光频率、高级选项参数；【上】【下】按钮可设置亮度微调、曝光包围、高级选项数目。
【PILOT】按钮	按下该按钮可以测试闪光输出亮度。

【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，可以进行闪光	正常
亮绿灯	闪光灯充电未完成	请等待闪光灯充电完成
绿灯闪烁	电池电量不足，闪光灯即将关机	请更换新电池
红灯闪烁	闪光灯处于休眠状态	可任意操作按钮唤醒

【声音提示】的含义

声响方式	含义	处理方法
嘀	声音开关开启、闪光 OK、闪光灯开机	正常
嘀嘀嘀 嘀嘀嘀	曝光可能过度	调节曝光设置或拍摄条件
嘀 嘀 嘀	曝光可能不足	调节曝光设置或拍摄条件
嘀—嘀嘀 嘀嘀	a. 回电未完成 b. 过热保护提示	等待充电完成或闲置 3~5 分钟等待过热解除
嘀——长响	闪光灯充电完成，可以进行闪光	正常
嘀—嘀—嘀—	电量不足，闪光灯自动关机前提示	请更换电池

2、开启及关闭电源

长按【ON/OFF】按钮可以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。

开启闪光灯电源后，【充电指示灯】亮红灯，表示可以进行闪光。

若电池电量不足时，充电时间超过 20 秒仍充不满，【充电指示灯】绿灯闪烁；液晶屏会显示电量不足图标，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【ON/OFF】按钮即可关闭电源。

3、ETTL 模式

ETTL 模式下，相机的测光系统会侦查从主体反射回来的闪光照明，从而自动调节闪光输出量，使主体和背景得到均衡曝光。支持曝光补偿、曝光包围、高速同步、后帘同步、曝光锁定、光圈预览造影闪光、佳能相机菜单访问等功能。

您还可以通过闪光灯的【左】与【右】按钮对闪光亮度进行补偿，补偿范围是 $-5EV \sim +5EV$ ，精度为 $1/3EV$ 。

4、M 模式

在 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】按钮可以对闪光亮度进行调节，闪光亮度的调整范围是 1/64 ~1/1，亮度共 7 档，每一档最多可有 3 档微调，以 0.3EV、0.5EV 或 0.3/0.5EV 混合档作为调节增量，最多共 25 级微调；由【左】【右】按钮调节整档亮度，通过【上】【下】按钮进行微调，调节结果直接在液晶屏上显示。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。

5、Multi 模式

Multi 模式即频闪模式，在该模式下，闪光灯将按您设置好的输出功率、闪光频率与次数闪光。通过【左】与【右】可以调整输出功率，输出功率的调整范围是 1/64-1/32-1/16-1/8-1/4。闪光次数范围为 1~100，闪光频率范围为 1~100。要调整闪光次数与闪光频率，请先按一次【OK】，闪光次数将闪烁，此时按【左】【右】可以调整闪光次数；再按【OK】，闪光频率将开始闪烁，此时按【左】【右】可以调整闪光频率。注意：电池电量不足的情况，闪光灯充电速度较慢，可能会引起高频率闪光出现漏闪，在这种情况下，请降低闪光频率或更换新电池。

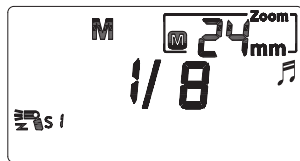
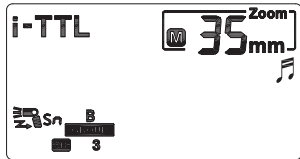
6、Sc/Sn 及 S1/S2 模式

长按【MODE】按钮将闪光灯设置为 Sc，再短按操作【MODE】按钮闪光灯将在 Sc/Sn/S1/S2 之间切换，这四种模式都作为离机从属单元使用，以创建多种照明效果。

Sc/Sn 模式可分别接受 580EX II、SB-900/800/700、7D/60D/600D 内闪、N 家相机 C 指令、SU-800 及 ST-E2 无线信号，支持 4 个频道，实现 TTL 及手动无线闪光。使用 Sc/Sn 及 S1/S2 模式时，可以通过旋转闪光灯灯头，使无线触发感应器对着主控灯。拍摄前，需将 YN500EX 与主控单元设置在同一通信频道上。设置方法：按住【高速/后帘同步】不放，再操作【ZOOM】按钮选择通信频道（1，2，3，4）。当工作于 Sc/Sn 模式时，YN500EX 闪光灯的亮度完全受主控单元控制。

S1/S2 模式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】按钮就可以了。

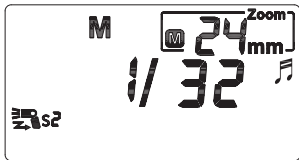
S1 模式：当闪光灯处于 S1 模式，它会与主闪光灯的第一次闪光同步触发闪光，效果与使用无线引闪器一样。要正常使用该模式，您的主闪光灯应设置为手动闪光，不应使用具有预闪的 TTL 闪光系统，也不应使用



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（尼康）或无线模式（佳能）；使用 ST-E2 作为闪光控制器；**否则，请将闪光灯设置为 Sc/Sn 模式。**



7、相机菜单访问（仅佳能较新机型）

在支持 E-TTL 的佳能较新型相机上可通过相机菜单访问来操作闪光灯。在闪光灯控制菜单中的外接闪光灯功能设置及外接闪光灯的自定义功能设置可以设置闪光灯相关参数；如切换 E-TTL 模式/手动闪光模式及多次闪光模式（MULTI）、无线闪光设置、后帘同步、曝光包围、曝光补偿、焦距及高级选项功能等。

8、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。

9、节电模式

永诺为 YN500EX 设计了节电模式，此节电模式可以通过高级选项功能设置来实现，如：<SL Sd 10>。

操作【背光/声音开关】+【MODE】组合按钮进入设置状态，再通过【上】【下】按钮选择编号为 01 的选项，按【左】【右】按钮将状态设置为 SL EP --时，表示关闭“自动关闭电源”功能，设置为 SL EP on 时，表示开启“自动关闭电源”功能。

可以通过高级选项设置的节电模式如下表：

Fn 编号	作用范围	设置选项	节电模式
01 SL EP	所有模式	--	节电功能关闭
		on	节电功能开启
10 SL Sd	Sc/Sn/S1/S2	10	从属单元闲置 10 分钟休眠
		60	从属单元闲置 60 分钟休眠
11 SL OF	Sc/Sn/S1/S2	1H	从属单元闲置 1 小时自动关机
		8H	从属单元闲置 8 小时自动关机
E1 SE OF	机顶闪光	3/5/10/30/1H/ 2H/3H/4H/5H/ --	闲置 3 分钟/5 分钟/10 分钟/30 分钟/1 小时/2 小时/3 小时/4 小时/5 小时后休眠，休眠后再继续闲置相同时间自动关机 --：表示不休眠，不关机

10、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，此时液晶屏上将显示【过热保护】图标，且锁定闪光灯，此时请将闪光灯闲置 3~5 分钟后再继续使用。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。

注意：连续拍摄，当闪光灯内部温度上升到一定值时，充电指示灯会红灯闪烁警告提示；此时，闪光灯的回电时间会有所延长，同时也建议适当减少闪光灯的使用强度。

11、手动设置灯头变焦位置

灯头自动变焦：按下 ZOOM 按钮调节覆盖范围，当不显示<M>时，闪光灯将自动调整闪光覆盖范围（默认状态下为 35mm）。将闪光灯安装在相机上，闪光灯管将会随着镜头焦距变化而前后移动，以适应不同的闪光覆盖范围。

手动设置灯头的变焦位置：按下 ZOOM 按钮调节覆盖范围，当同时显示<M>时，您可以手动调整闪光覆盖范围（24，35，50，70，80，105mm）。设置方法：按下 ZOOM 按钮可以直接调节闪光覆盖范围。

注意：使用广角扩散板，闪光覆盖范围将扩展至 14mm。

12、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	声音开关开启、闪光 OK、闪光灯开机	正常
滴滴滴 滴滴滴	曝光可能过度	调节曝光设置或拍摄条件
滴 滴 滴	曝光可能不足	调节曝光设置或拍摄条件
滴—滴滴 滴滴	回电未完成、过热保护提示	等待充电完成或闲置 3~5 分钟等待过热解除
滴——长响	闪光灯回电完成，可以进行闪光	正常
滴—滴—滴—	电量不足，闪光灯自动关机前提示	请更换新电池

13、PC 同步口（输入）

通过连接标准 PC 同步口，可以使闪光灯同步闪光。

14、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。

七、无线闪光系统

YN500EX 支持无线闪光功能，同一台 YN500EX 可以分别接受 580EX II、7D/60D/600D 内闪、ST-E2、SB-900/800/700、N 家相机内闪 C 指令、SU-800 及 ST-E2 无线信号，实现无线 TTL 及手动闪光。

Sc: 表示只接收 C 家无线闪光信号，避免 N 家信号干扰。

Sn: 表示只接收 N 家无线闪光信号，避免 C 家信号干扰。

主控单元设定的任何闪光曝光补偿、闪光曝光包围、曝光锁定、手动闪光、频闪闪光等信息设置都会被自动传输至 YN500EX。

即使有多个 YN500EX，也将以相同的方式接受来自主控单元的无线信号。

1、主控单元设置

机载主控单元采用 580EX II、7D/60D/600D 内闪、SB-900/800/700、N 家相机内闪 C 指令、SU-800、ST-E2；相关设置方法请参照主控单元的使用说明书。

2、从属单元设置

YN500EX 作为从属单元，通过长按【MODE】按钮将闪光灯设置为 Sc，再按一下【MODE】按钮可以切换至 Sn，通过【高速/后帘同步】与【MODE】组合按钮设置从属单元分组（A，B，C），通过【高速/后帘同步】与【ZOOM】组合按钮选择通信频道（1，2，3，4）。

注意：设置从属单元分组或通信频道时，要求先各自按住【高速/后帘同步】按钮不放，再操作【MODE】或【ZOOM】按钮。

3、多台闪光灯，无线闪光配置

您可以创建两个或三个从属单元组以完成多方位的拍摄需求。并由主控闪光灯设置 TTL 自动闪光拍摄的闪光光比、手动闪光输出、频闪等。

(1)、YN500EX 组成两个从属单元组的无线闪光

设置无线选项：共有 Sc/Sn 可供选择。

设置通信频道：1, 2, 3, 4

设置分组：将两台 YN500EX 分别设为 A、B 分组。

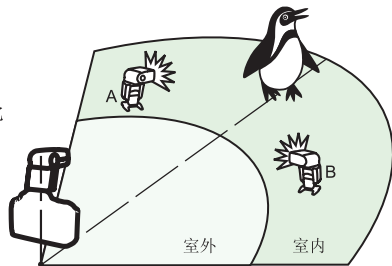
设置好主控单元：设置通信频道；设置主控单元的闪光光比

A: B 或 A: B C，即可进行闪光拍摄。

(2)、YN500EX 组成三个从属单元组的无线闪光

设置无线选项：共有 Sc/Sn 可供选择。

设置通信频道：1, 2, 3, 4



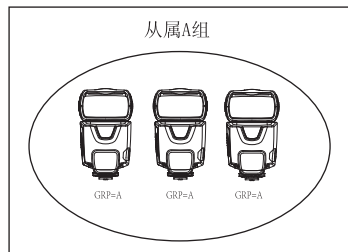
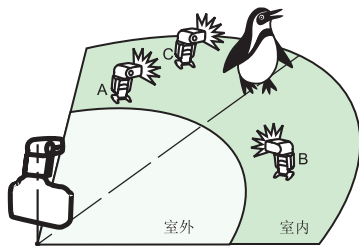
设置分组：将三台 YN500EX 分别设为 A、B、C 分组。

设置主控单元并拍摄：设置通信频道；将主控单元的闪光光比设置为<A: B C>。

按下主控单元的测试闪光按钮，测试闪光是否正常；如果从属单元不闪光，请检查 YN500EX 对着主控单元的角度及其到主控单元的距离。

注意：主控单元如果设置了<RATIO A: B>，设置为<C>分组的从属单元不闪光。

如果将三个 YN500EX 的分组都设置为<A>，那么它们将被作为从属单元组的一个闪光灯受主控单元控制。



4、离机手动闪光和频闪闪光

YN500EX 作为从属单元使用时，支持手动闪光、频闪闪光模式。

手动闪光：只需将主控单元设置为手动闪光模式即可，并在主控单元上设置闪光的功率输出。

频闪闪光：只需将主控单元设置为频闪闪光模式即可；并在主控单元上设置闪光的功率输出、闪光次数、闪光频率等参数。

5、无线闪光系统使用举例

主控单元：580EX II、SB-900/800/700、7D/60D/600D 内闪、N 家相机内闪 C 指令、SU-800、ST-E2。

从属单元：具备从属单元功能的永诺 EX 系列闪光灯；最多可以有三个分组。

使用微型基座（提供三脚架接孔）支撑从属单元 YN500EX。

旋转从属单元的机身，使其无线感应器朝向主控单元。

在室内，无线信号也可能被墙壁反射，因此从属单元的位置不必非常精确。

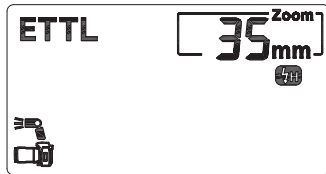
放置从属单元后，务必在拍摄前测试无线闪光操作。

请勿在主控单元与从属单元之间放置任何障碍物，否则障碍物会遮挡无线信号的传输。

八、高级应用

1、高速同步闪光

使用高速同步（FP 闪光），您可以在所有的快门速度下同步使用闪光灯，最高同步速度达 1/8000 秒。高速同步闪光在使用光圈优先对人像进行填充闪光时特别方便。设置方法：通过操作【高速/后帘同步】按钮可以开启或关闭高速同步功能。



2、远距离无线闪光

YN500EX 可接受远距离无线信号，室内使用最远距离可达 25 米，室外使用最远距离可达 15 米。在无线拍摄过程中，使 YN500EX 的无线感应器尽量对着主控单元，且保证 YN500EX 位于主控单元有效的发射范围内。

注意：无线闪光系统运用中，当工作于 Sc/Sn 模式时，YN500EX 闪光亮度完全受主控单元控制。

3、闪光曝光补偿

为使拍摄效果更符合您的需求，您可以通过相机或闪光灯上设置闪光曝光补偿，闪光灯上的曝光补偿值设置范围为 -5EV ~ +5EV。离机使用时，相机或主控单元的曝光补偿设置范围请参考相关使用说明书。

通过 YN500EX 面板上的【左】【右】按钮可以直接调节曝光补偿值，每按一次，补偿值直接在显示屏上体现。

注意：佳能版本，闪光灯上设置的曝光补偿将覆盖相机上的曝光补偿设置。

4、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）。使用 YN500EX 闪光灯，您可以通过面板上的【高速/后帘同步】快捷键来开启或关闭后帘同步功能。

注意：YN500EX 作为从属单元时，不能在闪光灯上设置后帘同步功能。

5、闪光曝光包围

您可以通过闪光灯或相机设置曝光包围。设置曝光包围后，每拍摄 3 张照片将自动对曝光进行一定正负补偿，例如按照“正常→不足→过度”的顺序进行曝光，这个功能可以帮助您提高拍摄的成功率。YN500EX 闪光灯上的设置方法：通过【上】【下】按钮可以直接调节包围曝光值。

注意：对于闪光曝光包围，相机的驱动模式应设置为“单拍”；并在拍摄前确保闪光灯准备就绪。

6、FE 锁定（佳能）

使用本功能应先将相机取景窗中央覆盖要锁定闪光曝光的主体，按下闪光曝光锁<*>按钮，闪光灯发出预闪，相机将计算适合的闪光输出数据，此时你有一段时间来重新构图，构图完毕后就可以按下快门进行拍摄（该功能需要您的相机本身支持才能使用，请参照您的相机说明书进行设置）。

7、FV 锁定（尼康）

使用本功能应先在相机上将（AE-L/AF-L）功能设置为“FV 锁定”。此时可以先在相机取景窗中对准主体，然后按下相机的（AE-L/AF-L）键，闪光灯会先发出预闪为主体取得闪光曝光的读数，当您确定拍摄的景物框架后按下快门即可。（此功能需要您的相机本身支持才能使用，（AE-L/AF-L）的设定请参照您的相机说明书。

8、高级选项功能

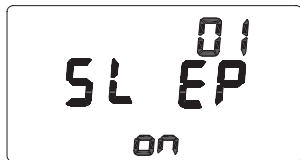
YN500EX 具备高级选项功能，您可以根据自己的需求自定义闪光灯的功能，通过闪光灯上的组合按钮或相机菜单访问来设置高级选项设置。闪光灯上的设置方法：长按【背光/声音开关】按钮不放，再操作【MODE】按钮进入高级选项功能设置状态，液晶屏会显示设置项目；如：<SE oF 3>，表示在机顶使用，闪光灯闲置 3 分钟自动休眠，休眠后再闲置 3 分钟自动关机。

YN500EX 支持的高级选项功能如下：

Fn 编号：01

SL EP on：开启节电功能

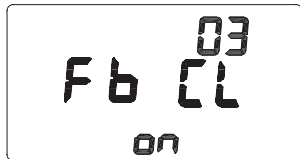
SP EP - -：关闭节电功能



Fn 编号：03

Fb CL on：启动曝光包围自动取消

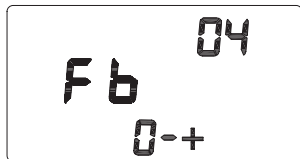
Fb CL - -：关闭曝光包围自动取消



Fn 编号：04

Fb 0 - +：闪光包围曝光顺序为 0→-→+

Fb - 0 +：闪光包围曝光顺序为 -→0→+



Fn 编号: 08

AF on: 开启自动对焦辅助

AF - - : 关闭自动对焦辅助



Fn 编号: 09

APS A1: 启动自动识别图像尺寸

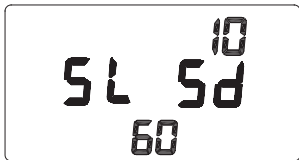
APS - - : 禁用



Fn 编号: 10

SL Sd 10: 从属单元闲置 10 分钟休眠

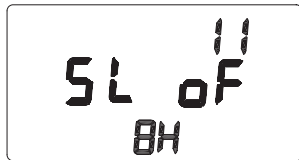
SL Sd 60: 从属单元闲置 60 分钟休眠



Fn 编号: 11

SL oF 1H: 从属单元闲置 1 小时自动关机

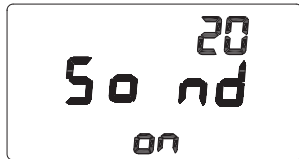
SL oF 8H: 从属单元闲置 8 小时自动关机



Fn 编号: 20

So nd on: 开启声音提示功能

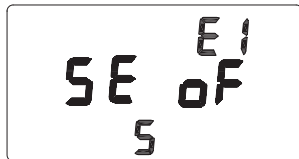
So nd - -: 关闭声音提示功能



Fn 编号: E1

SE oF 3/5/10/30/1H/2H/3H/4H/5H: 分别表示闪光灯闲置 3 分钟/5 分钟/10 分钟/30 分钟/1 小时/2 小时/3 小时/4 小时/5 小时后休眠, 休眠后再闲继续闲置相同时间自动关机。

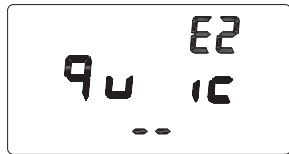
SE oF - -: 不休眠, 不关机。



Fn 编号: E2

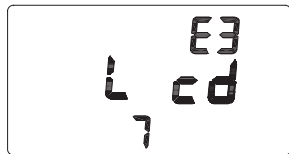
qu ic - - : 关闭快速开机/关机功能 (默认)

qu ic on: 开启快速开机/关机功能



Fn 编号: E3

L cd 7/15/30: 闪光灯液晶屏背光持续时间为 7/15/30 秒



Fn 编号: E4

I nc 0.3: 手动闪光输出以 0.3EV 为微调步长

I nc 0.5: 手动闪光输出以 0.5EV 为微调步长

I nc on: 手动闪光输出以 0.3/0.5EV 为混合微调步长



Fn 编号: E5

CL EA - - : 恢复高级选项默认设置(此时长按OK按钮即可恢复默认设置)。

9、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。

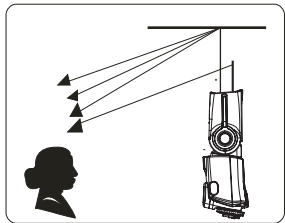
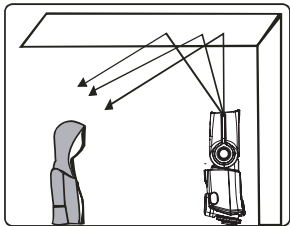
10、反射闪光

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。

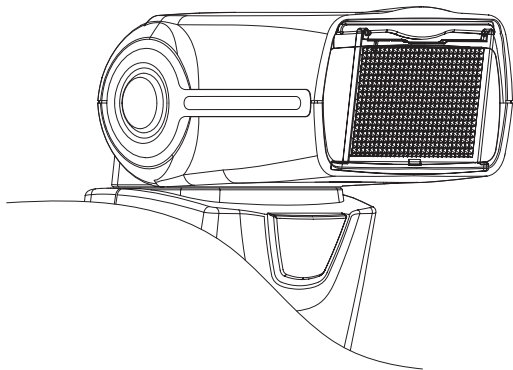
11、利用【反射板】拍摄

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。



12、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。



九、规格

线路设计	自动绝缘两级晶体 (IGBT)
闪光指数	53 (ISO 100, 105mm)
闪光模式	TTL, M, Multi
触发方式	机顶, Sc, Sn, S1, S2
灯头变焦范围	Auto, 24, 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	7 级亮度控制(1/64 ~1/1), 共 25 级微调
外部接口	热靴、PC 口
无线触发距离	室内 20~25 米, 室外 10~15 米
附加功能	高速同步、后帘同步、曝光补偿、曝光包围、曝光锁定、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、高级选项功能
体积	62×72×165 mm (伸展状态)
净重	320g
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	35	50	70	80	105
1/1	14/45.9	26/85.3	38/125.4	40/132	45/147.6	48/157.4	53/173.9
1/2	9.9/32.4	18.4/60.3	26.8/88.6	28.2/93.3	31.8/104.3	33.9/111.3	37.5/123
1/4	7 /23	13/42.6	19/62.7	20/66	22.5/73.8	24/78.7	26.5/86.9
1/8	4.9/16.1	9.2/30.2	13.4/44.3	14.1/46.6	15.9/52.2	17/55.7	18.7/61.4
1/16	3.5/11.5	6.5/21.3	9.5/31.3	10/33	11.2/36.8	12/39.3	13.3/43.6
1/32	2.4/7.8	4.6/15.1	6.7/22.1	7.1/23.3	7.9/26	8.5/27.8	9.4/30.8
1/64	1.7/5.7	3.2/10.5	4.7/15.6	5/16.5	5.6/18.3	6/19.7	6.6/21.7

十、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。

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，在相机热靴上重新安装好闪光灯后，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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YONGNUO
DIGITAL

YN500EX

USER MANUAL



Before use, please READ this user manual carefully in order to ensure your safety. Keep it properly for reference in the future.

For Canon

English

I. Warning

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

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.

II. Features

- **SUPPORTS HIGH-SPPEED SYNC FLASH**

With high-speed sync (FP flash), the YN500EX can synchronize with all shutter speeds, the maximum shutter sync up to 1/8000.

- **COMPATIBLE WITH N's and C's WIRELESS FLASHING SYSTEM**

One YN500EX is able to respectively accept internal flashing of 580EX II, SB-900/800/700, 7D/60D/600D, C order of N's internal flashing and ST-E2 wireless signal, achieves external TTL and manual flashing.

- **LARGE-SIZE LCD DISPLAY**

Flashing function can be checked and set on a more clearly and subjectively basis and can be used more conveniently by Large-size LCD display.

- **GN53 @ ISO100, 105mm**

YONGNUO brand-new range of speedlites with high index support TTL, M, Multi flashing model.

- **MULTIPLE TRIGGER MODE SUPPORTED**

YN500EX can be triggered by the camera set-top, built-in or main-controlled flashing command, S1 and S2 preflashing.

- **SUPPORTS MOTOR ZOOMING (24~105mm)**

The covered focal length will vary between 24~105mm on the lamp adapter by operating the zoom button on the flash light.

- **COMPREHENSIVELY SUPPORTS TTL FUNCTIONS**

HSS, FEC, FEB, Rear-curtain sync, FE lock, Modeling Light, Canon camera menu accessible.

- **REMOTE WIRELESS TRIGGER SUPPORTED**

The YN500EX supports remote wireless trigger function, which makes the Sc/SnS1/S2 mode can be used in outdoor environment and the wireless trigger distance is as long as 15 meters.

- **SOUND PROMPTING SYSTEM**

When the sound prompting system is enabled, the different sound ways will prompt the different working conditions of the speedlite so as to make you focus on shooting only.

- **COMPLETED WITH PC SYNCHRONOUS INTERFACE**

It makes things easier on lightening the speedlite synchronously by using PC synchronous line.

- **FAST CURRENT-RETURN SYSTEM**

The time for full gloss output current-return will only take you 3 seconds; you can get fast current-return experience even without brand-new batteries, which will only take you 4~5 seconds.

- **ADVANCED OPTION FUNCTIONS**

YN500EX has advanced options setting function, where you can self-define the functions of the speedlite on your own requirements.

- **AUTOMATIC SAVING FUNCTION**

YN500EX can automatically save the operation currently used for your future use.

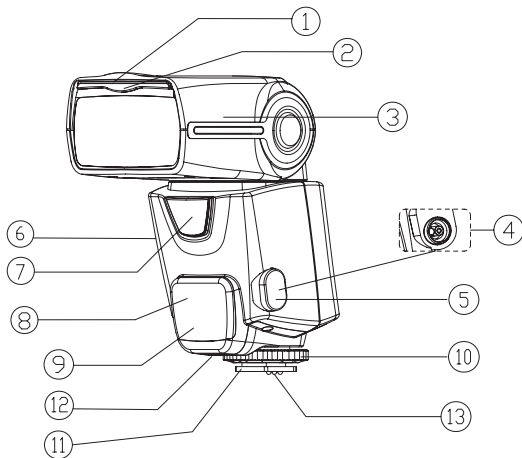
III. Quick Start

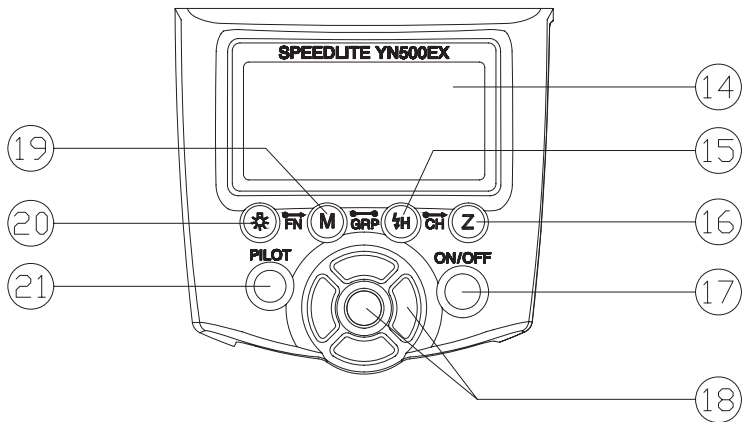
If you don't have much time to read the whole user manual, we advise you to read this section.

1. Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product.
2. You can understand the function of each button by pressing them and observing the displayed content.
3. Press the [High-speed/Rear-curtain sync] button to select High-speed sync function.
4. Press [MODE] button to select TTL/M/Multi mode, holding [MODE] for a while to select remote trigger model, and then press [MODE] again to select Sc/Sn/S1/S2.
5. Set slave group A/B/C by operate [High-speed/rear-curtain] and [MODE] buttons, set channels (1, 2, 3, 4) by [High-speed/rear-curtain] and [ZOOM] buttons.
6. Press the [UP], [DOWN], [LEFT], and [RIGHT] buttons to adjust the parameters of speedlite quickly at the current mode. For some parameters, the [OK] button in the center is needed to be pressed for setting.
7. Select the function of advanced option through [Illumination/Sound] and [MODE] buttons. See the section of “Advanced Setting” for the content.
8. This product provides TTL, M, and Multi mode.

IV. Nomenclature

1. Reflection board
2. Wide-angle diffuser
3. Flash head
4. PC port (for input)
5. Contact cover
6. Battery chamber's cover
7. Wireless trigger sensor
8. Remote indicator
9. AF-LED
10. Locking ring
11. Hot shoe stand
12. Sound port
13. Hot shoe contact





14. LCD screen: Display all functions and application setting of speedlite, convenient for users' examination and quick setting.

15. High-speed/Rear-curtain synchronous button: High-speed and rear-curtain sync synchronous function can be set by directly operating this button.

16. ZOOM button: Directly operating [ZOOM] button can adjust the zoom rang of lamp holder (auto, 24, 35, 50, 70, 80, 105mm).

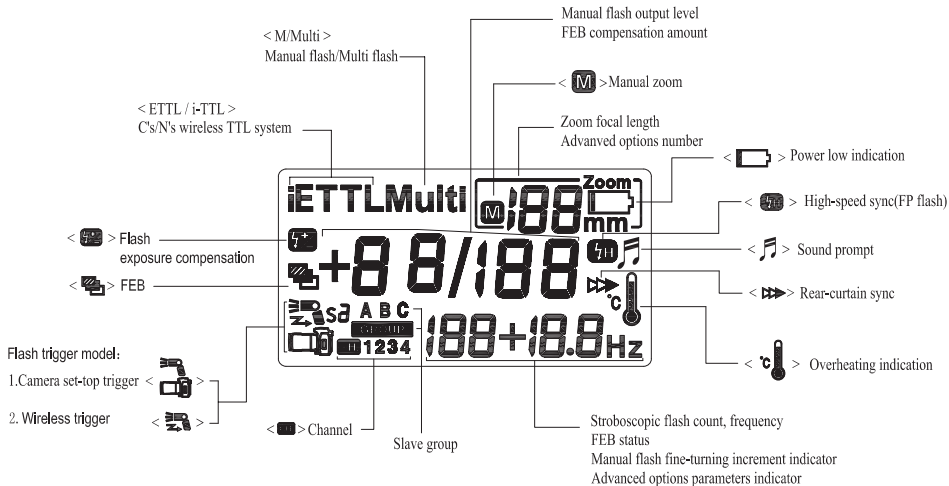
17. Power switch (ON/OFF): Press this button for about 2 seconds and turn on or off the power of speedlite.

18. Selection/setting button set: Include [Left], [Right], [Up], [Down] and [Ok] at the center; [Left] and [Right] button can set exposure compensation, output power, advanced options parameter, stroboscopic flash times, stroboscopic flash frequency; [Up] and [Down] button can set exposure bracketing, fine brightness adjustment and advanced options number.

19. MODE: Under the camera set-up state, flash mode shall switch between TTL/M/Multi with every pressing; under wireless off-camera state, trigger mode of the speedlite shall switch between Sc/Sn/S1/S2 with every pressing. And if press [MODE] for a long time, shift between the camera set-up and off camera state can be made.

20. Backlight/voice switch: LED backlight can be turned on or off by pressing this button for a short time; and voice prompt function of the speedlite shall be turned on or off by pressing this button for about 2 seconds.

21. Charge indicator/test button (PILOT): Red lamp means charge is completed, flash can be made; green lamp means charge is being on, and press this button (PILOT), the speedlite shall send test flash.



V. 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.

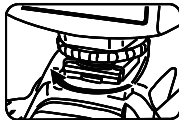
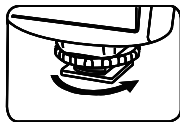
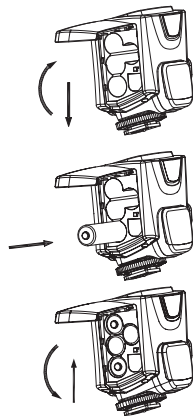
2. Attaching to the Camera

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 tighten.

To detach the speedlite, loosen the locking ring by turning it in the opposite direction.



VI. Basic Functions

1. Button Operation:

Parts	Operation
[ON/OFF]	Turn on or off the power of speedlite by pressing this switch for a long time. It is recommended to take out battery after turning off the power of the speedlite.
[MODE]button	When use the speedlite roof, flash mode shall switch between TTL/M/Multi with every pressing. When the speedlite is under wireless off-camera application mode, trigger mode of the speedlite shall switch between Sc/Sn/S1/S2. And shift between roof or off-camera state can be made by pressing this button for a long time.
[Backlight/Sound] button	LCD backlight can be turned on or off by pressing this button for a short time; and sound prompt function of the speedlite shall be turned on or off by pressing this button for about 2 seconds. And if keep this button and press [MODE] button, it can enter into advanced options setting state.
[High-speed/ rear-curtain sync] button	When use the speedlite roof, flash mode shall switch between high-speed sync/rear curtain sync with every pressing. When the speedlite is under off-camera application mode, together with [ZOOM] button set, this button can set communication channel (1/2/3/4), and with [MODE] button set, this button can set slave group (A/B/C).
[ZOOM] button	Zoom range of lamp holder (auto, 24,35, 50, 70, 80, 105mm) can be adjusted by directly operating [ZOOM] button.
Selection/setting button set	Include [Left], [Right], [Up], [Down] and [Ok] at the center; [Left] and [Right] button can set exposure compensation, output power, stroboscopic flash times, stroboscopic flash frequency, advanced options parameter, [Up] and [Down] button can set fine brightness adjustment and advanced options number.
[PILOT] button	Flash output brightness test can be made by pressing this button.

Meaning of [Charging indicator]

Status of [Charging Indicator]	Meaning	Operation
The red light is lit	The speedlite is fully charged, and can be used.	Normal
The green light is lit	The speedlite has not been fully charged.	Waiting for the completion of charging.
The green light blink	The power is not enough, and the speedlite is about to shut down.	Please replace the batteries.
The red light blink	The speedlite is sleeping.	Press every button to wake it up

The meaning of [Sound indicator]

The sound form	Meaning	Operation
Tick twice	a. The sound indicator is enabled; b. The speedlite is started or flash is ok.	Normal
Three tick, two times	The exposure may be over	Adjusting exposure compensation or charging shooting condition
Tick tick tick	The exposure may be excessive	Adjusting exposure compensation or charging shooting condition
Tick—tick twice—tick twice	The speedlite is in the charging or overheating protection state.	Waiting for the completion of charging; waiting for about 3 minutes to cancel the protection.
Tick—a long sound	The speedlite is fully charged, and can be used.	Normal
Tick—tick —tick	The power is not enough and the speedlite is going to be shut down.	Replace the batteries.

2. Power-on and Power-off

The power of the speedlite can be turned on or turned off by pressing [Power Switch] button 2 seconds. It is suggested that the batteries should be taken out after power of speedlite is turned off though this button.

After turned on the power of the speedlite, the charging indicator is red, which indicates the speedlite is available. If the charging is not completed within 20 seconds, the low power indicator will be displayed on LCD panel, and speedlite will automatically shutdown, you need to replace with new batteries.

You may press the [PILOT] button to test whether the speedlite works normally.

After use, turned off the speedlite by pressing the [ON/OFF] button.

3. ETTL 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, and HSS, FEC, FEB, FEV, Rear-curtain, Modeling light, and CANON camera menu accessible(CANON version only) is supported.

You can set exposure compensation for flash by pressing [Left] and [Right] buttons, the flash exposure compensation amount can be set up to $\pm 5\text{EV}$ in 1/3-stop or 1/2-stop increments.

4. M Mode

In M mode, you can set flash brightness as you like, and adjust flash brightness by [Left], [Right], [Up] and [Down] button. Adjustment range of flash brightness is $1/64 \sim 1/1$, and the brightness can be divided into 7 grades, while every grade has three grades at most for fine adjustment, and takes mixing grade 0.3EV, 0.5EV or 0.3/0.5EV as

adjustment increment, totally 25 -grade fine adjustment at most; adjust whole grade brightness with [Left] and [Right] button, and make fine adjustment with [Up] and [Down] button, and the adjustment result shall be directly shown on the LED screen. At shooting time, you only need to set flash brightness, adjust the camera and press the shutter; the speedlite shall flash according to the sync signal of the camera.

5. Multi Mode

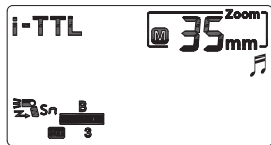
With Multi mode, a rapid series of flashes is fired. The speedlite will flash according to the output levels, flash times and frequency you set. Use [LEFT], [RIGHT] buttons to adjust output power, flash times and frequency. The adjustment scope of output level is $1/64-1/32-1/16-1/8-1/4$, the scope of flash times is from 1 to 100, and the scope of flash frequency is from 1 to 100. Adjustment method: Please press [OK] button to select setting items (flash) and use the [LEFT] and [RIGHT] buttons to adjust the parameters. After the setting is completed, press [OK] button to confirm the setting.

NOTE: The charging speed of speedlite 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. Sc/Sn and S1/S2 Mode

Set the speedlite to be Sc by pressing the [MODE] for a long time, and then operate [MODE] button, and the speedlite shall switch between Sc/Sn/S1/S2, and these four modes all shall be applied as off-camera dependent unit in order to create different lighting effects.

Sc/Sn mode can separately accept 580EX II, SB-900/800/700, 7D/60D/600D built-in flash, Nikon camera C-command, SU-800 and ST-E2 wireless signal, supporting 4 channels and realizing TTL and manual wireless flash. When use Sc/Sn and S1/S2 mode, wireless trigger sensors can be adjusted to face master lamp by rotating speedlite holder. Before shooting, YN500EX and master unit should be set at a same communication channel. Setting method: Keep [High-speed/rear-curtain sync] and operate [ZOOM] button to select communication channel (1, 2, 3, 4). In Sc/Sn mode, brightness of YN500EX speedlite will be totally controlled by master unit.

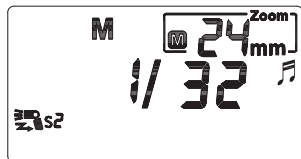
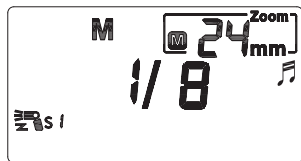


S1 and S2 modes are suitable for MANUAL flash environment and TTL flash environment respectively. Under these two modes, the way to adjust the output level is like that in M mode.

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 (nikon) or wireless mode (canon) of the main light is used; the ST-E2 is used as the flash controller. **Otherwise, please set the speedlite as Sc/Sn.**



7. Menu Access of Camera (only for the more recent Canon models)

You can control the speedlite by accessing to camera menu on the recent canon models which support E-TTL. On the Flash Control Menu, you can set some parameters through “External flash func. setting” and “ External flash C. Fn setting”, for example, Flash mode, Shutter sync., FEB, Flash exp. comp, Zoom, Wireless set., and advanced setting etc.

8. Test Flash

Whether in any mode, you can press PILOT button to test if the speedlite flash normally. When testing the flash, the speedlite will give flash at relevant output level in accordance with the chosen output power setting.

9. Power Saving Mode

YONGNUO designs a power saving mode for YN500EX, and the mode can be achieved by setting advanced options function, such as <SL Sd 10>. Operate [Backlight/voice switch]+[MODE] buttons to enter into setting state, and then select the option numbered 01 with [Up] and [Down] button, and set the state to be SL EP - - with [Left] and [Right] button, “Automatic power off” will be closed, and when the state is set to be SL EP on, “Automatic power off” will be opened up.

Power saving modes set by advanced option are as following:

NO.	Scope of Application	Options	Power saving mode
01 SL EP	All modes	--	Power saving mode is turned off
		on	Power saving mode is turned on
10 SL Sd	SL/S1/S2	60	Power automatic off of the slave unit is 60 minutes
		10	Power automatic off of the slave unit is 10 minutes
11 SL OF	SL/S1/S2	1H	Slave auto power off cancel within 1 hours
		8H	Slave auto power off cancel within 8 hours
E1 SE OF	Others	3/5/10/30/ 1H/2H/3H/ 4H/5H/ --	Sleep after idle time of 3 minutes/5 minutes/10 minutes/30 minutes/1 hour/2 hours/3 hours/4 hours/5 hours. After it enters the sleep state, it powers off automatically after keeps the same idle time. --: No dormancy, no power off

10. Overheating Protection

If the speedlite is used too frequently, the overheating protection function will be triggered; the OVERHEATING indicator will be displayed on LCD panel. And the speedlite will be locked. In such case, please wait for about 3 to 5 minutes to cancel the protection before continuing use. Please try to use 1/4 output or lower when rapid shooting is needed to prevent the effect on the shooting.

11. ZOOM Setting the Flash Coverage

Auto Zoom: Press the [ZOOM] button to adjust the flash coverage (auto/24 / 35 / 50 / 70 / 80 / 105mm), if <M> is not displayed, the flash coverage will be set automatically (35mm for default coverage). Attaching the speedlite to the camera, the flash coverage will set automatically to match the lens focal length.

Manually set the zooming position: Press the [ZOOM] button to adjust the flash coverage, if <M> is displayed, pressing the [ZOOM] button, the coverage focal length of the flash will switch in circle of (24, 35, 50, 70, 80, 105mm).

NOTE: Using wide-angle-diffuser, the flash coverage will then be extended for 14mm.

12. Sound Prompt

When the sound prompt function is activated, the speedlite will give out different sound to indicate the working state. See the following table for the meaning of sound.

The sound form	Meaning	Operation
Tick twice	a. The sound indicator is enabled; b. The speedlite is started or flash is ok.	Normal
Three tick, two times	The exposure may be over	Adjusting exposure compensation or charging shooting condition

Tick tick tick	The exposure may be excessive	Adjusting exposure compensation or charging shooting condition
Tick—tick twice—tick twice	The speedlite is in the charging or overheating protection state.	Waiting for the completion of charging; or waiting for about 3 minutes to cancel the protection.
Tick—a long sound	The speedlite is fully charged, and can be used.	Normal
Tick—tick —tick	The power is not enough and the speedlite is going to be turned off	Replace the batteries.

13. PC Sync port (for input)

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

14. Automatic setting saving

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

VII. Wireless Flash System

One YN500EX is able to respectively accept internal flashing of 580EX II, SB-900/800/700, 7D/60D/600D, C-commander of N's internal flashing and ST-E2 wireless signal, achieves external TTL and manual flashing.

Sc: Indicating that it can only receive wireless signal from Canon system, avoiding Nikon system.

Sn: Indicating that it can only receive wireless signal from Nikon system, avoiding Canon system.

Any flash exposure compensation, FEB, FE lock, manual flash, and stroboscopic flash settings set with the master unit will be automatically transmitted to the YN500EX.

Even with multiple YN500EXs, all of them will be controlled in the same way via wireless.

1. Master unit setting: To use 580EX II, SB-900/800/700, 7D/60D/600D with built-in commander mode, Nikon c-commander and ST-E2. For the setting method, please refer to your master instructions.

2. Slave unit setting

Take YN500EX as slave unit. Set the speedlite to be Sc by pressing [MODE] for a long time, and then switch it to be Sn by pressing [MODE] button, and set dependent unit group (A, B, C) by combined application of [High speed/rear-curtain sync] and [MODE], and select communication channel (1, 2, 3, 4) by combined application of [High-speed/rear curtain sync] and [ZOOM].

Notes: When set slave unit set or communication channel, it is required to first keep [High-speed/rear curtain sync] button, and then operate [MODE] or [ZOOM] button.

3. Multi-Speedlite, Wireless lighting configurations

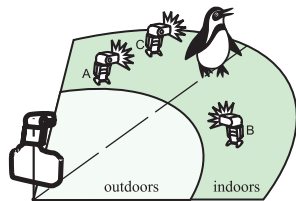
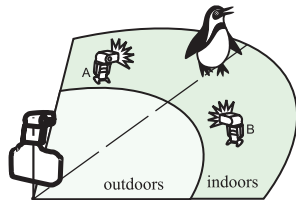
You can create two or three slave groups to make shooting effect better meet your requirements, and set flash ratio for TTL autoflash shooting of master, as well as manual flash output, frequency flash etc.

(1). Wireless flash of two slave units made up by YN500EX

- Wireless option setting: Sc/Sn for operation
- Communication Channel setting: 1, 2, 3, 4
- Groups setting: Set one YN500EX as group A, and set the other one as group B.
- Master unit setting: Set the communication channel, Set the flash ration of master unit A: B or A: B: C. You can conduct flash shooting.

(2). Wireless flash with three YN500EX speedlites

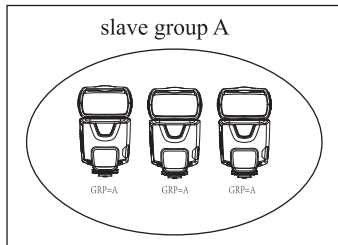
- Wireless option setting: Sc/Sn
- Channel setting: 1, 2, 3, 4
- Groups setting: Set three YN500EX speedlites as group A, group B and group C respectively.
- Setting master and shooting: Please select the ratio<A: B C>.



Press the test button of master to test whether the flash works normally; if the flash does not fire, adjust the slave unit's angle toward the master unit and distance from the master unit.

NOTE: If ratio <A: B> is set, the slave unit in group C will not fire.

If you have the slave group set to <A> for three slave units, all three slave units will be controlled as if they were one speedlite in slave group A.



4. Setting Manual Flash and Stroboscopic Flash with Wireless

As the slave unit, YN500EX supports manual flash and Stroboscopic flash.

Manual flash: Set the master unit's flash mode to <M>, and set the flash output on master unit.

Stroboscopic: Set the master unit's flash mode to < Multi>, and set the flash output, stroboscopic flash count, stroboscopic flash frequency on master unit.

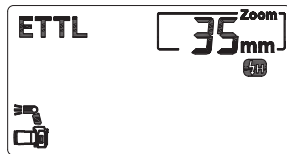
5. Shooting Examples with Wireless Flash System

- Master unit: 580-II, SB-900/800/700, 7D/60D/600D with built-in commander mode, Nikon c-commander and ST-E2.
- Slave unit: YONGNUO EX series flash, you can create three slave groups at all.
- Use the mini flash stand (tripod socket provided) to prop up the YN500EX speedlite.
- Swing the YN500EX so that its wireless sensor faces the master unit.
- Indoors, the wireless signal can also bounce off the wall so there is more leeway in positioning the YN500EX (s).
- After positioning the YN500EX(s), be sure to test the wireless flash operation before shooting.
- Don't place any obstacles between the master unit and slave unit(s). Obstacles can block the transmission of wireless signals.

VIII. The Advanced Application

1. High-speed sync Flash

With high-speed sync (FP flash), the YN500EX can synchronize with all shutter speeds, the maximum shutter sync up to 1/8000. Setting method: Press the [High-speed/Rear-curtain sync] button to select HSS.



2. Ultra-long-range Wireless Flash

YN500EX can receive remote wireless signal. The longest distance used indoors is 25 meters and the longest distance used outdoors is 15 meters.

Please note that the YN500EX's wireless sensor should be faced to master unit, and make sure it is within the effective range of transmission.

NOTE: As the slave unit, when YN500EX is used as Sc/Sn, the output level of speedlite is completely controlled by master unit.

3. Flash Exposure Compensation

You can use the exposure compensation function of the camera to compensate flash output so as to make shooting effect better meet your requirements. you can also make compensation of flash brightness with the [LEFT] [RIGHT] button within the range of $\pm 5\text{ev}$, with the precision of $1/3\text{ev}$ or $1/2\text{ev}$. Every press the button, the compensation setting will be display on LCD panel.

NOTE: For Canon version, please note that this compensation setting will override the exposure compensation setting on the camera.

4. 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 .(For the rear-curtain sync setting, refer to your camera manual for setting). You can turn on or turn off the rear-curtain sync by pressing the

[High-speed/Rear-curtain sync] hotkey on panel of YN500EX.

NOTE: When YN500EX is used as slave unit, the rear-curtain sync function cannot be set.

5. Exposure Bracketing (FEB)

The FEB function is set on the camera or speedlite. 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.

The setting method on the YN500EX speedlite: Press the [UP] [DOWN] button to adjust the exposure bracketing amount.

NOTE: For FEB, set the camera's drive mode to single shooting. Be sure the flash is ready before shooting.

6. 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 button <*> of the flash exposure lock, and the flash light will pre-flash and the camera will calculate the appropriate flash output data. Now you have some time for decomposition, after which, you can take photo. (The function can be used only when it is supported by your camera. For the setting method, refer to your Camera Instructions.)

7. 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 flash exposure 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).

8. Advanced Options Setting

YN500EX has advanced options function, you can customize speedlite function as you need, set advanced options with button group of the speedlite or camera menu access. Setting method of the buttons of the speedlite: Keep [Backlight/voice switch] for a long time and operate [MODE] to enter into the setting state of advanced options function, and the LCD screen shall show set items; such as: <SE oF 3> means the application at the roof, the speedlite shall automatically sleep if it is idle for 3 minutes, and automatically power off if it is idle for another 3 minutes after sleep.

Advanced options function supported by YN500EX is as following:

Fn NO.: 01

SL EP on: Auto power off is enabled

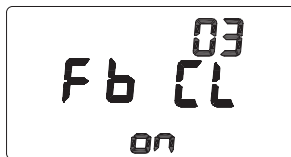
SP EP - - : Auto power off is disabled



Fn NO.: 03

Fb CL on: FEB auto cancel is enabled

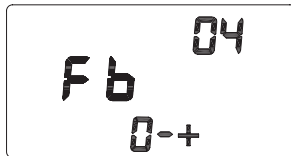
Fb CL - - : FEB auto cancel is disabled



Fn NO.: 04

Fb 0 - +: Sequence of FEB is "0→--→+"

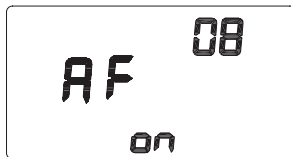
Fb - 0 +: Sequence of FEB is "--→0→+"



Fn NO.: 08

AF on: AF-assist beam firing is enabled

AF - - : AF-assist beam firing is disabled



Fn NO.: 09

AP S A1: Automatic identification enabled

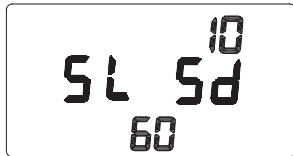
AP S - - : Disable



Fn NO.: 10

SL Sd 10: Power automatic off of the slave unit is 10 minutes

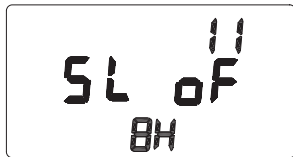
SL Sd 60: Power automatic off of the slave unit is 60 minutes



Fn NO.: 11

SL oF 1H: Slave auto power off cancel within 1 hours

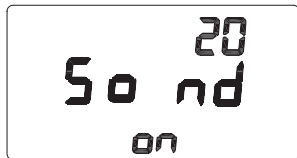
SL oF 8H: Slave auto power off cancel within 8 hours



Fn NO.: 20

So nd on: Sound prompt function is enabled

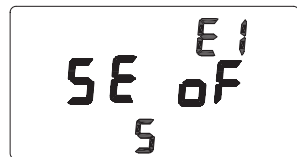
So nd - - : Sound prompt function is disabled



Fn NO.: E1

SE oF 3/5/10/30/1H/2H/3H/4H/5H: Keeping idle for 3/5/10/30 minutes or 1/2/3/4/5 hours will enter the dormancy mode, after it enters the sleep state, it powers off automatically after keeps the same idle time.

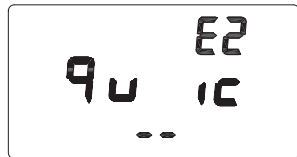
SE oF - - : NO dormancy, NO automatically turn off.



Fn NO.: E2

qu ic - - : Quick turn on / shut down function is disabled

qu ic on: Quick turn on / shut down function is enabled



Fn NO.: E3

Lcd 7/15/30: The display time of LCD backlight is 7/15/30 seconds



Fn NO.: E5

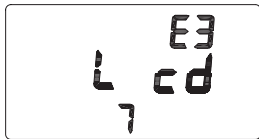
CL EA - - : Recover the default settings

Hold the [OK] button to recover the default settings.

9. 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.



Fn NO.: E4

Inc 0.3: 0.3ev for fine-tuning step

Inc 0.5: 0.5ev for fine-tuning step

Inc on: Mix 0.3ev and 0.5ev for fine-tuning step



10. 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.

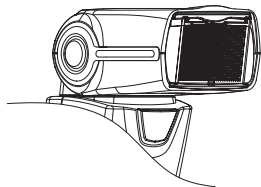
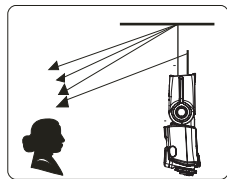
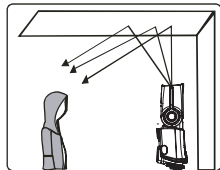
If the wall or ceiling is too far, the bounce flash may be too weak to get enough exposure. The wall or ceiling should be even and white in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.

11. 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°.

12. 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 extent will be softer and more natural.



IX Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	53 (ISO 100, 105mm)
Flash mode	TTL, M, Multi, Sc, Sn S1, S2
Zoom range	Auto, 24, 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	7 levels of output control (1/64 ~ 1/1), 25levels of fine tuning
External interface	hot shoe, PC port
Wireless triggering distance	20~25m indoor, 10~15m outdoor
Additional features	High-speed sync, Rear-curtain sync, FEC, FEB, FEV, the electronic flash head zooming, sound prompt, automatically saving setting, PC port, power saving mode, over heat protection, advanced setting.
Dimensions	62×72×165 mm (Extended state)
Net weight	320 g
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	35	50	70	80	105
1/1	14/45.9	26/85.3	38/125.4	40/132	45/147.6	48/157.4	53/173.9
1/2	9.9/32.4	18.4/60.3	26.8/88.6	28.2/93.3	31.8/104.3	33.9/111.3	37.5/123
1/4	7 /23	13/42.6	19/62.7	20/66	22.5/73.8	24/78.7	26.5/86.9
1/8	4.9/16.1	9.2/30.2	13.4/44.3	14.1/46.6	15.9/52.2	17/55.7	18.7/61.4
1/16	3.5/11.5	6.5/21.3	9.5/31.3	10/33	11.2/36.8	12/39.3	13.3/43.6
1/32	2.4/7.8	4.6/15.1	6.7/22.1	7.1/23.3	7.9/26	8.5/27.8	9.4/30.8
1/64	1.7/5.7	3.2/10.5	4.7/15.6	5/16.5	5.6/18.3	6/19.7	6.6/21.7

X. 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.

Update version of this manual can be got from http://www.yongnuo.com.cn/usermanual/downloadIndex_en.htm

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