

# Manual de instrucciones

## Yonguno YN-560IV



PDF





# YN560 IV

## 使用说明 USER MANUAL

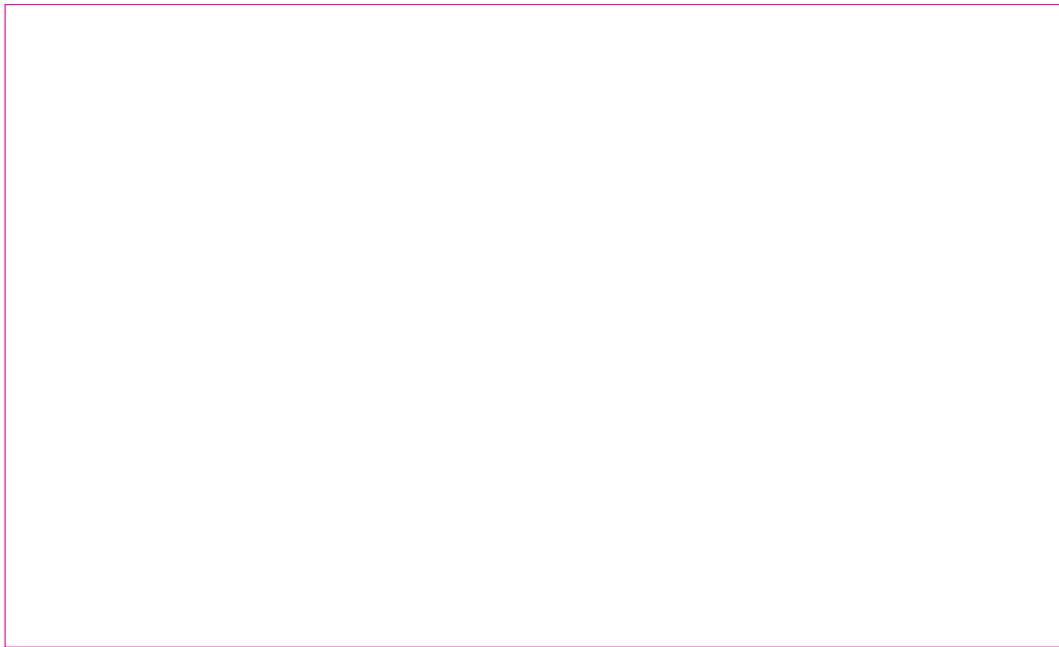
在使用本产品之前，请通读本手册，以确保您能安全使用，  
然后保存好本手册以备将来查询参考。

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，此时应戴手套取出电池。
- 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

### ● 支持无线主控功能

YN560 IV可作为主控单元，提供三组独立分组控制能力，实现远程控制YN560 IV和YN560 III的闪光模式、亮度和焦距。

### ● 支持无线从属功能、全面支持YN560-TX、RF-603（I/II）、RF-602无线发射器

同一台YN560 IV可分别接受YN560 IV、YN560-TX、RF-603（I/II）、RF-602无线发射器发出的信号，16个频道可供选择；当用YN560 IV和YN560-TX作为发射端时，更可实现远程调整参数设置。

### ● 多种触发同步方式，灵活多变

YN560 IV可以通过相机机顶触发，2.4G无线电触发，S1和S2避预闪触发。

### ● 自动保存设置、支持自定义设置（Fn）

闪光灯上的参数设置在关机时可自动保存，以便下次使用；用户可根据需求自定义设置闪光灯功能。

### ● GN58 @ ISO100, 105mm

大指数2.4G无线电闪光灯，支持M/Multi/--模式。

### ● 声音提示系统

开启声音提示功能，闪光灯发出的声音提示其工作状态，让您得以专注于创作过程（注：声音可以关闭）。

### ● 支持灯头电动变焦功能

通过ZOOM按钮，可以使灯头覆盖焦距在24~105mm之间循环变动。

### ● 超速回电系统、支持外接电源

### ● 配备大尺寸LCD显示屏、标准PC同步接口

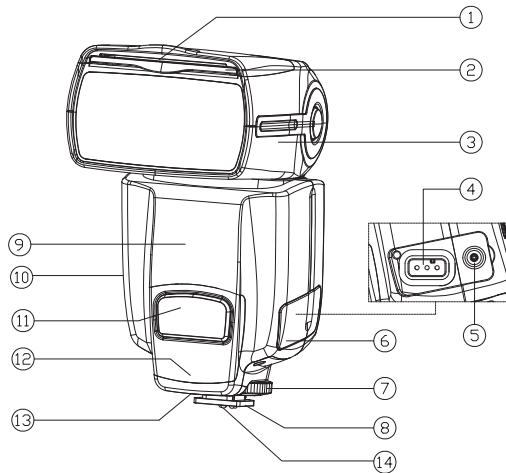
### 三、快速攻略

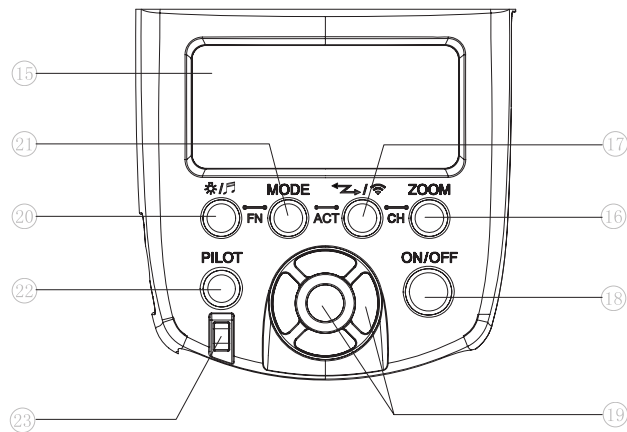
如果你没有时间浏览整本说明书，请阅读本节内容。

- 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。
- 2、你可以按各按钮观察显示内容的变化，了解其各自功能。
- 3、在TX状态下，操作【MODE】+【触发方式】按钮发送激活指令，按【OK】按钮终止发送。
- 4、按【上】【下】【左】【右】按钮可在当前模式下快速调整闪光灯参数，有些参数需重复按中央的【OK】按钮才能进行设置。
- 5、操作【触发方式】按钮可以切换机顶闪光模式、TX主控闪光模式、RX从属闪光模式、S1/S2从属闪光模式。
- 6、使用RX从属闪光模式，操作【ZOOM】+【触发方式】按钮设置频道（CH1~CH16）。
- 7、操作【MODE】+【背光/声音】按钮进入高级选项设置，详见“高级选项设置”章节。
- 8、通过“高级选项”选择<rF 603>，再由【左】【右】按钮设置成<rF 602>，就可以与RF-602发射器配合使用了。
- 9、本产品提供M/Multi模式，可通过【MODE】按钮切换。

## 四、部件说明

- 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、固定旋钮
- 8、热靴座
- 9、2.4G无线接收模块
- 10、电池仓盖
- 11、光敏触发感应器
- 12、离机指示灯
- 13、声音提示孔
- 14、热靴触点





**15、LCD液晶屏：**清晰、直观地显示当前的功能状态信息。

**16、灯头电动变焦按钮（ZOOM）：**通过【ZOOM】按钮可设置闪光灯的焦距覆盖范围（24，28，35，50，70，80，105mm）。

**17、触发方式按钮（/📶）：**操作【触发方式】按钮可以使闪光灯在机顶/TX/RX/S1/S2之间循环切换。

**18、电源开关（ON/OFF）：**长按电源开关2秒以开启或关闭电源。

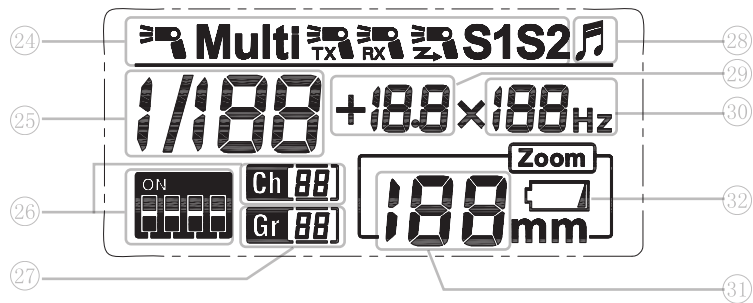
**19、设置/选择按钮组：**包括【左】【右】【上】【下】及中间的【OK】按钮；通过这些按钮分别可以设置功率输出、输出微调、频闪闪光次数及闪光频率、高级选项设置、无线电通信频道CH等。

**20、背光/声音开关按钮（/🔊）：**短按开启或关闭LCD背光，长按开启或关闭声音提示功能。

**21、模式切换按钮（MODE）：**每按一次【MODE】按钮，闪光灯模式依次在M/Multi之间循环切换。

**22、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。按下该测试按钮（PILOT），闪光灯将发出测试闪光。

**23、信号指示灯：**当闪光灯接收到RF-602或RF-603发出的无线电信号时，信号指示灯会亮起。



- 24、闪光模式/触发方式指示
- 25、输出功率指示
- 26、频道指示
- 27、分组指示
- 28、声音指示

- 29、频闪次数/输出功率微调指示
- 30、闪光频率指示
- 31、灯头焦距指示
- 32、低电量指示

## 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。

按电池仓中的极性指示安装电池，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。

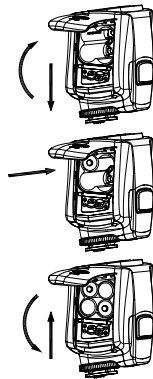
### 2、将闪光灯安装到相机上

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。





## 六、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。
【MODE】按钮	每按一次MODE按钮，闪光灯模式依次在M/Multi之间循环切换。
【触发方式】按钮	操作【触发方式】按钮可以使闪光灯在机顶/TX /RX/S1/S2之间循环切换。
【背光/声音】按钮	短按一次，可以开启或关闭LCD屏背光。 长按该按钮约2秒，可以开启或关闭声音提示功能。
设置/选择按钮组	包括【左】【右】【上】【下】及中间的【OK】按钮；通过这些按钮分别可以设置功率输出、输出微调、频闪闪光次数及频率、无线电通信频道，闪光分组及高级选项参数等等。
【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	充电指示灯，按下该按钮可以测试闪光输出亮度，或唤醒闪光灯休眠。

**TX主控模式及RX从属模式的分组显示状态及含义：**

分组显示状态	含义	
	TX主控闪光模式	RX从属闪光模式
GR --	此时可调机顶主控闪光灯的闪光模式、亮度和焦距	
GR A	此时可通过主控单元调整离机A组闪光灯的闪光模式、亮度及焦距	本机作为从属单元中的A组闪光灯使用
GR B	此时可通过主控单元调整离机B组闪光灯的闪光模式、亮度及焦距	本机作为从属单元中的B组闪光灯使用
GR C	此时可通过主控单元调整离机C组闪光灯的闪光模式、亮度及焦距	本机作为从属单元中的C组闪光灯使用
GR D		本机作为从属单元中的D组闪光灯使用
GR E		本机作为从属单元中的E组闪光灯使用
GR F		本机作为从属单元中的F组闪光灯使用

**【充电指示灯】状态含义：**

<b>【充电指示灯】状态</b>	<b>含义</b>	<b>处理方法</b>
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，或电量不足	如长时间亮绿灯，请更换新电池
红灯闪烁	闪光灯处于休眠状态	可按 PILOT 或 ON/OFF 唤醒闪光灯

**【声音提示】的含义：**

<b>声响方式</b>	<b>含义</b>	<b>处理方法</b>
滴滴 2 声	闪光灯开机/声音开关开启/闪光 OK	正常
滴滴滴 3 声	闪光灯处于充电状态	等待充电完成
连续快速响	电量不足，闪光灯即将关机	请更换电池
滴——长响	闪光灯充电完成，可以进行闪光	正常

## 2、开启及关闭电源

长按【ON/OFF】按钮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，当【充电指示灯】亮红灯，表示可以进行闪光。

若电池电量不足，充电时间超过25秒，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2秒即可关闭电源。

## 3、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1/128~1/1，亮度共8档，每一档可有3档微调，【上】【下】按钮作为微调输出功率使用，以0.3EV及0.5EV作为调节增量。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、Multi模式

Multi模式即频闪模式，在该模式下，闪光灯将按您设置的输出功率、闪光频率与次数闪光。通过【左】与【右】可以调整输出功率，输出功率的调整范围是1/128-1/64-1/32-1/16-1/8-1/4。要

调整闪光次数与闪光频率，请先长按【OK】按钮进入设置状态，再次短按【OK】按钮可选择将要设置的项目（闪烁），此时操作【左】【右】按钮可以调整闪光次数、闪光频率。

**注意：**在TX模式，机顶主控单元闪光灯不可设为Multi模式。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。

## 5、TX主控闪光模式

通过短按【触发方式】按钮可以选择TX主控闪光模式。TX主控闪光模式通过2.4G无线电传输信号，既可作为主控单元直接引闪YN560 IV和YN560 III的RX从属闪光模式，也可作为无线触发器RF-602和RF-603（II）的发射端使用。

通过YN560 IV的TX模式，可远程更改已设置为RX模式的YN560 III/YN560 IV的闪光模式、亮度和焦距。

**请注意，**如果您的YN560 III未激活，需先用YN560 IV进行激活才能正常使用分组控制功能，激活步骤是：①首先将YN560 IV设置为TX主控闪光模式，将YN560 III设置为RX从属闪光模式；②分别进入YN560 IV和YN560 III的自定义选项选择相同的信号传输方式（rF-602或rF-603），然后将频道设为一致；③操作YN560 IV的【MODE】+【触发方式】按钮进入激活信号发送状态；在YN560 III接收到激活信号后，短按【OK】按钮确认激活。确认激活后YN560 III的液晶屏上将会多出一个GR图标显示。

## 6、RX从属闪光模式

通过按下【触发方式】按钮可以选择RX从属闪光模式。YN560 IV设为RX从属单元使用时，分别支持YN560 IV、永诺无线触发器YN560-TX、RF-602、RF-603（II），RF-605。通过高级选项设置可以分别选择兼容RF-602或RF-603的信号引闪方式，配备16个频道（CH1~CH16）。使用时，只需将从属单元YN560 IV与主控单元YN560 IV、永诺无线触发器YN560-TX、RF-602、RF-603（II）设置为同一频道即可实现无线闪光。

## 7、S1/S2从属闪光模式

通过按下【触发方式】按钮可以选择S1、S2从属闪光模式。这两种模式也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与M模式一样，只需要操作【左】【右】、【上】【下】按钮就可以了。使用S1、S2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（尼康）或无线模式（佳能）；使用ST-E2作为闪光控制器；底座接引闪器。

## 7、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。

## 8、节电模式

在不同的闪光模式下，YN560 IV会执行不同的节电模式，如< SE oF 3 30>表示闪光灯机顶使用，闲置3分钟休眠，闲置30分钟自动关机。

YN560 IV配备3个不同的节电模式，包括机顶闪光节电模式、S1/S2闪光节电模式、RX无线电闪光节电模式，各个节电模式都可以通过高级选项设置。设置方法：操作【背光/声音】按钮+【MODE】按钮进入高级选项设置状态，通过【上】【下】按钮选择所要设置的项目，再通过【左】【右】按钮调节参数即可。

可以通过高级选项设置的节电模式如下表：

Fn选项	作用范围	节电模式
SL EP on/--	所有模式	表示开启或关闭节电模式
SE of 3 30/15 60/30 120/ -- 120	机顶闪光模式	3 30/15 60/30 120: 表示闪光灯闲置3/15/30分钟休眠, 闲置30/60/120分钟关机 -- 120: 不休眠, 闲置120分钟关机
Sd 30/60/120	S1/S2从属闪光模式	30/60/120: 不休眠, 表示闲置30/60/120关机
Sd 5 30/15 60/30 120/ -- 120	RX从属闪光模式	5 30/15 60/30 120: 表示闲置5/15/30分钟休眠, 30/60/120分钟关机 -- 120: 不休眠, 闲置120分钟关机

## 9、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; 为避免过热而损坏灯头, 请将闪光灯闲置约3~5分钟后再继续拍摄。

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。



## 10、手动设置灯头变焦位置

通过操作【ZOOM】按钮可以手动设置灯头的变焦位置，闪光灯灯头焦距将在（24 / 28 / 35 / 50 / 70 / 80 / 105mm）之间循环切换，变焦设置结果将直接在液晶屏上显示。

## 11、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	闪光灯开机/声音开关开启/闪光OK	正常
滴滴滴3声	闪光灯处于充电状态	等待充电完成
连续快速响	电量不足，闪光灯将自动关机	请更换电池
嘀——长响	闪光灯充电完成，可以进行闪光	正常

## 12、PC同步口（输入）

通过连接PC同步口，可以使闪光灯同步闪光。

## 13、自动保存设置

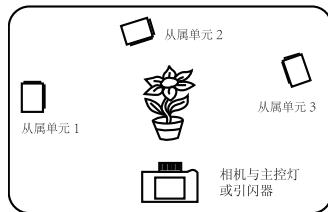
闪光灯会自动保存当前的设置，方便您下次开机后使用。

## 七、高级应用

### 1、多灯布光应用

#### (1) TX主控闪光模式

通过YN560 IV的TX模式，可根据自己的当前闪光需要远程控制多个已设为RX状态的YN560 III/YN560 IV的闪光模式、亮度和焦距。如远程更改A组YN560 III的闪光模式、亮度和焦距：只需在设置为TX状态的YN560 IV上短按【OK】按钮直至分组显示区域显示<GR A>，此时即可在YN560 IV上直接通过【MODE】按钮更改A组闪光灯的闪光模式，通过【ZOOM】按钮改变A组闪光灯的焦距，通过方向按钮调整A组闪光灯的亮度。



#### (2) RX/S1/S2从属闪光模式

YN560 IV不仅配备了S1/S2从属闪光模式，同时还配备RX从属闪光模式。

用S1/S2从属闪光模式时，使用内置闪光灯或机顶外置闪光灯作为主灯；用RX从属闪光模式时，可闪光灯高级选项里设置为兼容【RF-602】或【RF-603】引闪方式，并将频道设为与主控端一致即可。

S1/S2从属闪光模式可以满足你基本的布光需求，使用S1/S2，请勿在主闪光灯及从属闪光灯之间放置障碍物，否则障碍物会阻碍无线信号的传送。光敏触发闪光，室内使用最远距离可达25米，

室外使用最远距离可达15米。

使用RX从属闪光模式时，可以有效的减少障碍物对无线电信号的影响，同时可以获得更远的引闪距离，最远距离可达100米。

## 2、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，以提高闪光灯的回电速度。

## 3、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。

## 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）。

提示：佳能系统需闪光灯具备能与相机通信的情况下才能实现后帘同步功能。

## 5、高级选项功能

YN560 IV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来进行高级选项设置。闪光灯上的设置方法：同时操作【背光/声音】+【MODE】按钮，进入高级选项功能设置状态，通过【上】【下】按钮选择设置项目，由【左】【右】按钮设定各项目参数，液晶屏会显示设置项目；如：<SE oF 3 30>，表示在机顶使用，闪光灯闲置3分钟自动休眠，闲置30分钟自动关机。

YN560 IV支持的高级选项功能如下：

Gr A: TX主控状态支持远程控制A组参数

Gr Ab: TX主控状态支持远程控制A、B组参数

Gr Ab c: TX主控状态支持远程控制A、B、C组参数；



SL EP on: 开启节电功能

SL EP --: 关闭节电功能



SE oF 3 30/15 60/30 120: 闪光灯闲置3/15/30分钟休眠,  
闲置30/60/120分钟关机  
SE oF - - 120: 不休眠, 闲置120分钟关机

The LCD display shows the text "SE 3 30/15 60/30 120" on the top line and "oF" on the bottom line. The numbers are in a large, bold, black font.

Sd 30/60/120: S1/S2模式, 闲置30/60/120分钟关机

The LCD display shows the text "Sd 30/60/120" in a large, bold, black font.

Sd 5 30/15 60/30 120: RX模式, 闲置5/15/30分钟休眠,  
闲置30/60/120分钟关机  
Sd - - 120: 不休眠, 闲置120分钟关机

The LCD display shows the text "Sd 5 30/15 60/30 120" in a large, bold, black font.

Lcd 7/15/30: 闪光灯液晶屏背光持续时间为7/15/30秒

lcd 7

Sound on: 开启声音提示功能

Sound -: 关闭声音提示功能

Sound on

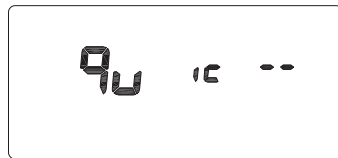
Inc 0.3: 手动闪光输出以0.3EV为微调步长

Inc 0.5: 手动闪光输出以0.5EV为微调步长

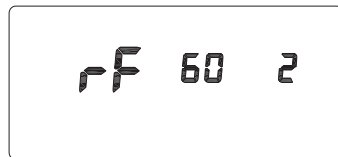
Inc 0.3 5: 手动闪光输出以0.3/0.5EV为混合微调步长

Inc 0.3 5

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



rF 603: 兼容RF-603无线发射器  
rF 602: 兼容RF-602无线发射器

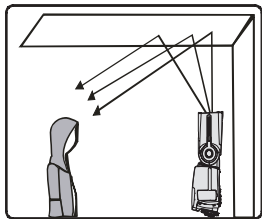


CL EA --: 恢复高级选项默认设置(此时长按OK按钮可恢复默认设置)

## 6、反射闪光

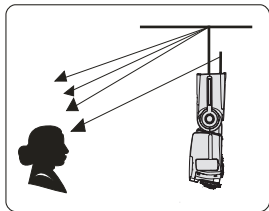
反射闪光是指通过将【闪光灯头】指向墙壁或天花板，借助天花板或墙壁反射回来的光照亮物体来进行拍摄（俗称“跳闪”）。这样可以减轻被摄物体背后阴影，获得更自然的摄影效果。

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。



## 7、利用【反射板】拍摄

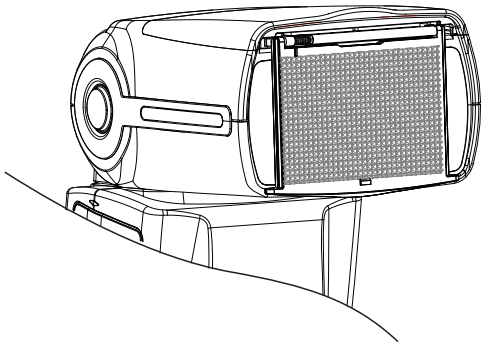
使用【反射板】闪光，把【反射板】和【广角扩散板】从灯头一起拉出，将【广角扩散板】推回。如果此时进行拍摄，可以在主体的眼睛造成高光点，使眼神更加迷人有光彩（眼神光）。此功能在闪光灯头上仰90度时能达到最好的效果。





## 8、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。



## 八、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、Multi
触发方式	机顶、TX、RX、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碱锰（alkaline）电池或AA镍氢（Ni-MH）电池
发光次数	100~1500次（使用AA碱锰电池）
回电时间	约3秒（使用AA碱锰电池）
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29级微调
外部接口	热靴、PC口、外置充电接口
无线触发距离	光敏引闪距离室内20~25米，室外10~15米 2. 4G无线电引闪距离最远可达100米
附加功能	灯头电动变焦、声音提示、PC同步、节电模式、过热保护、自动保存设置
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

## 九、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光敏触发感应器，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，或者相机有关闪光设置是否正确。

**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、YN560 IV的TX主控闪光模式无法引闪RX模式？**请检查主控单元与从属单元的引闪信号方式（rF-602、rF-603）和频道是否设置为了统一；是否将该组闪光灯设置为禁止闪光。

**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。

本使用说明书中的功能是依据本公司的测试条件获得的。设计和规格如有变更，恕不另行通知。

本说明书中的永诺（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。



## 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\_\_\_\_\_



## 深圳市永诺摄影器材股份有限公司

深圳市华强北路赛格科技园二栋西 A511 室

TEL: (086)0755-83762448

Email: [service@hkyongnuo.com](mailto:service@hkyongnuo.com)

FAX: (086)0755-83762765

Website: [www.hkyongnuo.com](http://www.hkyongnuo.com)

全国服务热线: 400-001-3888

## I. Precaution

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

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

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.
- This product is dropped or shocked seriously and the inner part of the product is bared.
- The product gives off strange smell, heats or smokes.

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

Please take out all the batteries if not use this product for a long time.



## II.Features

### ● Supports Wireless Master Function

The YN560 IV can be used as master unit, provides 3 independent groups with controlling ability, realizing remote control the flash mode, flash output and focal length of the YN560 IV and YN560 III.

### ● Supports Wireless Slave Function, fully supports YN560-TX、RF-603 (I/II) 、RF-602 Wireless transmitter

One YN560 IV can respectively receive the wireless signal from YN560 IV、YN560-TX、RF-603 (I/II)、RF-602, with optional 16 channels; when the YN560 IV and YN560-TX used as transmitter, it can realize remote control the parameter settings.

### ● Multiple Trigger Synchronous Mode Supported

The YN560 IV can triggered through the set top of the camera, 2.4G wireless triggering, S1 and S2 pre flash cancel mode.

### ● Settings Save Automatically, Supports Custom Settings (Fn)

The parameters on the flash will automatically save when the flash turned off; the users can customize setting the flash function as needed.

- **GN58 @ ISO100, 105mm**

High Guide Number 2.4G wireless speedlite, supports M/Multi/— mode.

- **Sound Prompting System**

When the sound prompting system is enabled, the different sound ways will prompt different operating state of the flash so as to allow you focus on shooting.

- **Support Electric Zooming Function**

The flash coverage can be altered between 24~105mm through the [ZOOM] button.

- **Ultra-fast Charging Recycle System, Supports External Power Supply**

Equipped with Big Size LCD Display Screen, Standard PC Synchronous Interface.

### III. Quick Start

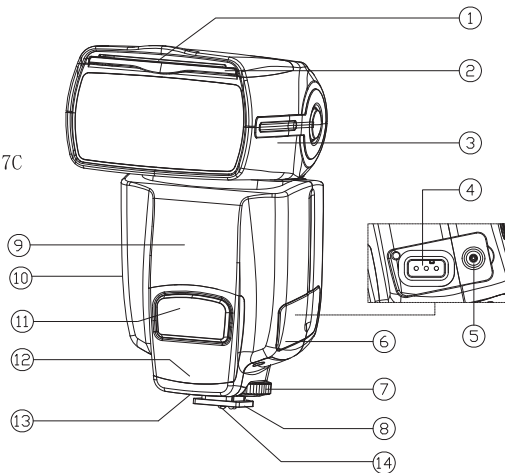
If you don't have much time to read the whole user manual, we advise you to read this section.

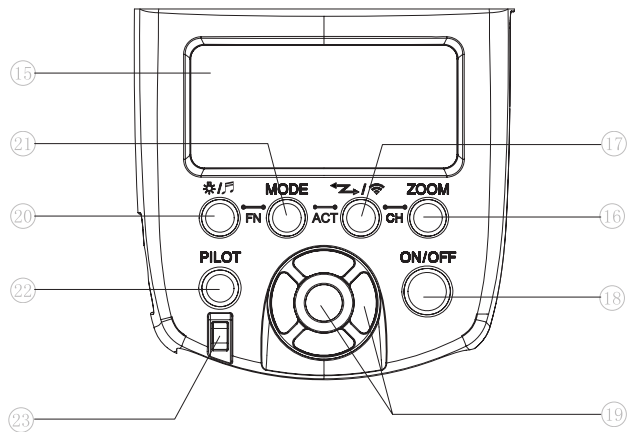
1. Please avoid the excessive use of the output with maximum power. It can effectively extend the service life of this product.
2. You can press the buttons and observe the change on the display screen to understand their respective functions.
3. In the TX state, operate the **【MODE】** + **【Trigger mode】** buttons to transmit the activation command, press the **【OK】** button to terminate transmission.
4. Press the [UP] [DOWN] [LEFT] [RIGHT] buttons can quick adjust the parameters in current mode, some parameters need to press the central [OK] buttons for a few times for settings.
5. Short press the [Trigger mode] button can switch between set-top mode, TX master flash mode, RX slave flash mode, S1/S2 slave flash mode.
6. Use the RX slave flash mode, operate the **【ZOOM】** + **【Trigger mode】** buttons to set the channel (CH1~CH16) .
7. Operate the **【MODE】** + **【Backlight/Sound】** buttons to enter into the Advanced Options Settings, for details please refer to the “Advanced Options Settings” chapter.
8. Through the “Advanced Option” select <rF 603>, then set to <rF 602> through the [LEFT] [RIGHT], then can be used with the RF-602 transmitter.

9.The Speedlite provides M/Multi mode, can be switched through the [MODE] button.

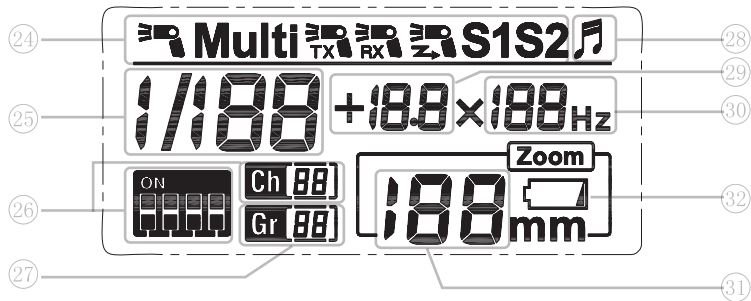
#### IV.Components Descriptions

- 1.Reflection board
- 2.Wide panel
- 3.Flash head
- 4.External power socket  
(can be connected to the SF-18C or SF-17C charging battery pack)
- 5.PC port (input)
- 6.Connector cover
- 7.Fixed knob
- 8.Hot shoe stand
- 9.2.4G Wireless receive module
- 10.Battery cover
- 11.Photosensitive trigger sensors
- 12.Off-camera indicators
- 13.Sound prompt hole
- 14.Hot shoe contact





- 15. LCD Screen:** Clear and visually display the functional status information.
- 16. Flash head zoom range button (ZOOM):** Through the [ZOOM] button can set the focal length coverage (24, 28, 35, 50, 70, 80, 105mm) .
- 17. Trigger mode button (Z/📶):** Operate the [trigger mode] button can switch between set-top/TX/RX/S1/S2.
- 18. Power switch (ON/OFF) :** Long press the power switch for 2 second to turn on or off the power source.
- 19. Set/Select button group:** Including the [LEFT] [RIGHT] [UP] [DOWN] and the central [OK] button; through these buttons can set the flash output, output fine tuning, number of strobe flashes, flash frequency, advanced option settings, radio communication channel CH and etc.
- 20. Backlight/Sound switch button (🌟/🎵):** Short press to turn on or off the LCD backlight, long press to turn on or off the sound prompt function.
- 21. Mode switch button (MODE):** Each press the [MODE] button, the flash mode will switch between M/Multi.
- 22. Charge indicator/Test button (PILOT):** Red lamp indicates charging is completed and flash is enabled; green lamp indicates charging is being on, and press this button (PILOT), the speedlite will emit test flash.
- 23. Signal indicator:** When the Speedlite receive the radio signals from the RF-602 or RF-603, the signal indicator light will light on.



24. Flash mode/trigger mode  
indicator instruction  
25. Output power instruction  
26. Channel instruction  
27. Grouping instruction  
28. Sound prompt

29. Stroboscopic flash  
countindicator/Output level fine  
30. Flash frequency instruction  
31. Focal length instruction  
32. Low battery indicator

## 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.

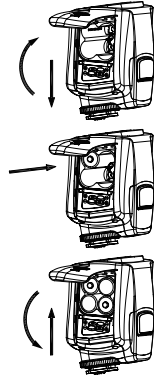
### 2. Attaching to the Camera

Loosen the [Fixed knob] by rotating it in the direction of the arrow as shown.

Slip the speedlite [Hot shoe stand] into the camera hot shoe.

Turn the [fixed knob] in the direction of the arrow tighten.

To detach the speedlite, loosen the [Fixed knob] by rotating it in the opposite direction.





## VI. Basic Functions

### 1. Basic operations

Button Operation:

Component	Operation
Power switch	Long press the buttons for two seconds to turn on or off the flash power. It is recommended to take out the batteries after turning off the power of the speedlite.
[MODE] button	Every press the [MODE] button, the flash mode will switch between M/Multi.
[[Trigger mode] button	Operate the [Trigger mode] button can switch between set-top/TX/RX/S1/S2.
Backlight/Sound switch button	Short press to turn on or off the LCD backlight, long press to turn on or off the sound prompt function.
Set/Select button group	Including the[UP] [DOWN] [LEFT] [RIGHT] and the central [OK] button; through these buttons can set the flash output, output fine tuning, number of strobe flashes, flash frequency, advanced option settings, radio communication channel CH and etc.
[ZOOM] button	Through the [ZOOM] button can set the focal length coverage, the flash focal length will be switch between (24, 28, 35, 50, 70, 80, 105mm) by each press.
[PILOT] button	Charge indicator, press the button can test the flash output or waken the flash dormancy.

TX master mode and RX slave mode grouping display status and meaning:

Grouping display status	Meaning	
	TX master flash mode	RX slave flash mode
Gr --	The flash mode, flash output and focal length of the on camera master flash can be adjusted at the moment.	
Gr A	The flash mode, flash output and focal length of the off camera Group A flash can be adjusted at the moment.	The unit used as a slave flash unit in Group A.
Gr B	The flash mode, flash output and focal length of the off camera Group B flash can be adjusted at the moment.	The unit used as a slave flash unit in Group B.
Gr C		The unit used as a slave flash unit in Group C.
Gr d		The unit used as a slave flash unit in Group D.
Gr E		The unit used as a slave flash unit in Group E.

[Charge indicator] Status

Status of [Charging Indicator]	Meaning	Operation
Red light	The speedlite is fully charged, the flash enabled.	Normal.
Green light	The speedlite has not been fully charged, or lack of electricity.	If the green light light on for a long time, please replace new battery.
Red light blinking	The speedlite is in in dormant status.	Press the PILOT or ON/OFF button to waken the speedlite.

The meaning of [Sound Prompt]

Sound mode	Meaning	Operation
Tick twice	Speedlite started/ sound switch enabled/ flash enabled	Normal.
Three tick, two times	Speedlite in charging status	Wait for fully charged.
Continuous rapid sound	Lack of electricity, the speedlite is about to shut down.	Please replace the batteries.
Tick-a long sound	The speedlite is fully charged, flash enabled.	Normal.

## **2. Turn on and off the power.**

Long pres the **【ON/OFF】** button for 2 seconds to turn on or off the power source. It is suggested the batteries should be taken out after power of speedlite is turned off through this button.

After turning on the power of the speedlite, when the [charging indicator] is red, indicates the speedlite is available.

If the batteries lack of electricity, the charging time excess 25 seconds, the speedlite will automatically shut down, at the moment new batteries need to be replaced.

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

After use, turn off the speedlite by pressing the [ON/OFF] button for 2 seconds.

## **3. M Mode**

In M mode, you can set flash output according to your preferences, adjust through the [Left], [Right], [Up] and [Down] button. Adjustment range of flash output is 1/128~1/1, and the flash output can be divided into 8 grades, each has maximum three grades for output fine tuning, with grade 0.3EV and 0.5EV as adjustment increment.

When shooting, you just need to set flash output, adjust the camera and press the shutter; the speedlite will flash according to the sync signal of the camera.

#### **4. Multi Mode**

Multi mode is strobe mode. In Multi mode, the speedlite will flash according to the output power, flash frequency and number of flashes you set. Use the [LEFT] and [RIGHT] buttons to adjust output power. The adjustment scope of output power is 1/128-1/64-1/32-1/16-1/8-1/4. To adjust the number of flashes and flash frequency, please long press the [OK] button to enter into the setting status, then short press the [OK] button to select the items (flash) to be set, use the [LEFT] and [RIGHT] buttons to adjust the number of flashes and flash frequency.

Note: In TX mode, the set top master unit flash could not set to Multi mode. The charging speed of speedlite will be slow under the situation that the electricity quantity of the battery is insufficient, which may cause the leakage of the stroboscopic flash. Please reduce the flash frequency or change new battery under this situation.

#### **5. TX Master Flash Mode**

By pressing [Triggering Mode] button, TX master mode is selected. TX master mode transmitting signal through 2.4G wireless radio, which make it possible to directly trigger YN560 IV as a master unit and the RX slave flash mode of YN560 III. It can also be used as the TX module for the wireless transceiver RF-602 and RF-603 (II).

With TX mode of YN560 IV, you can remote adjust the flash mode, flash intensity and focal length of the YN560 III/YN560 IV which is set in RX mode.

Please note: If your YN560 III hasn't been activated, please activate it with YN560 IV before use, and then the group control function will work normally. Activation steps: ①Set YN560 IV as TX master mode and set YN560 III as RX slave mode; ② Enter into the Custom Options of YN560 IV and YN560III respectively to select the same signal transmitting mode (RF-602/RF603), and then set the same channel; ③Press [MODE] + [Triggering Mode] to enter into active signal TX state; when YN560 III receive the active signal, please press [OK] button to confirm activation is completed. After the activation is completed, a GR symbol will appear on the LCD screen of YN560 III.

## **6. RX Slave Mode**

RX slave mode can be selected through pressing down button [Triggering mode]. When YN560 IV is set as a slave unit, it respectively supports YN560 IV, YONGNUO wireless transceiver YN560-TX, RF-602, RF-603(II) and RF-605. Choose to support RF-602 or RF-603 signal triggering from the Advanced Options settings, provided with 16 channels (CH1~CH16). Just set the slave unit YN560 IV to the same channel as the master unit YN560 IV, YONGNUO wireless transceiver YN560-TX, RF-602 or RF-603(II) the wireless flash can be realized in using.

## **7. S1/S2 Slave Mode**

By pressing the [Triggering Mode] 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 [RIGHT/LEFT] and [UP/DOWN] button. When using S1/S2 mode, you can rotate the flash head to make the wireless triggering sensor face with the master light.

S1 mode: 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 pre-flash function and the red-eye reduction function with multiple flashes should not be used.

S2 mode: It's 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 mode are used: the red-eye reduction function of the main light is used; the order mode (Nikon) or wireless mode (Canon) of the master is used; the ST-E2 is used as the flash controller; the stand is connected with transceiver.

## 8. Test Flash

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

## 9. Power Saving Mode

In different flash mode, YN560 IV will perform a variety of power-saving mode. For example, <SE of 3 30> denotes flash-top use, it will go to sleep mode after idling for 3min, and turns off automatically after idling for 30min.

The YN560 IV has three different power saving mode, S1/S2 flash power saving mode, RX radio flash power saving mode. Various power-saving modes can be set through the Advanced Options. Methods to set up: operate [Illumination/Sound] + [MODE] to enter the Advanced Options setting status, select the item to be set through buttons [UP] or [DOWN], and then adjust the parameter through [LEFT] or [RIGHT] buttons.

Power saving modes can be set through Advanced Options are as follows:



Fn Options	Scope of Application	Power saving mode
SL EP on/--	All modes	Power saving mode is turned on or off
SE of 3 30/15 60/30 120/- - 120	Camera set-up	3 30/15 60/30 120: Keeping idle for 3/15/30 minutes will enter the dormancy state and 30/60/120 minutes will shut down the speedlite. - - 120: No dormancy. Shut down after keeping idle for 120 minutes.
Sd 30/60/120	S1/S2 slave flash modes	30/60/120: No dormancy. Shut down after keeping idle for 30/60/120 minutes
Sd 5 30/15 60/30 120/ -- 120	RX slave flash modes	5 30/15 60/30 120: Keeping idle for 5/15/30 minutes will enter the dormancy state and 30/60/120 minutes will shut down the speedlite. - - 120: No dormancy. Shut down after keeping idle for 120 minutes.

## 10. Overheating Protection

If the speedlite is used too frequently, its overheating protection function will be triggered, and the speed of charging will be slower as normal. In such case, please wait for about 3 to 5 minutes to cancel the protection. To prevent the bad effect on

the shooting, please try to use the 1/4 output or lower when rapid shooting is needed.

### 11. Manually Set the Zooming Position

By pressing [ZOOM] button, you can manually set the zooming position. The covered focal length of the speedlite will switch in circle of (24/28/35/50/70/80/105mm), and the zoom setting results will be displayed on the LCD screen.

### 12. Sound Prompt

Under the condition that the sound indicator is enabled, the speedlite 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	The speedlite is started/ Sound prompt is enabled/ Flash is obtained.	Normal
Tick three times	The flash is in the charging state	Waiting for the completion of charging
Continuous and quick ticks	The power is not enough; speed-lite will be off.	Please replace the batteries.
Tick---a long sound	The speedlite is fully charged and can be used.	Normal

### **13. PC Synchronous Port (for input)**

By connecting to the PC synchronous 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. The Advanced Application**

### **1. Multi-flash Lighting Application**

(1) TX master control mode

With TX mode of YN560 IV, you can remote control the flash mode, flash intensity and focal length of YN560 III/YN560 IV which is set in RX mode according to your need.

For instance, the steps for remote adjusting flash mode, flash intensity and focal length of group A YN560III: just press [OK] button on YN560 IV which is in TX mode till there is a <GR A> symbol displaying in the group display area, then you can directly adjust the flash mode of group A flash by pressing [OK] button, the focal length of group A flash by pressing [ZOOM] button, and the flash intensity by pressing directional buttons.

(2) RX/S1/S2 slave mode

YN560 IV is provided with not only S1/S2 slave mode but also RX slave mode.

When using S1/S2 slave mode, built-in flash or the top external flash shall be used as the main flash; when using RX slave mode, directly trigger by using the TX master mode of YN560 IV, RF-602/RF-603 (II), and RF-605, please note that you should just set compatible [RF-602] or [RF-603] triggering method in the flash Advanced

Options settings of YN560 IV, and set the channel same as the main control terminal. S1/S2 slave mode can meet your basic lighting demand. When using S1/S2 slave mode, do not place obstacles between the main flash and the slave flash, if not, the obstacles would hinder the transmission of a wireless signal. When photosensitive triggering the flash, the maximum distance indoor is up to 25m and the maximum distance outdoor is up to 15m.

Using RX slave mode, it will effectively reduce the impact of obstacle on the radio signal, at the same time, you can get farther triggering distance and the maximum distance will be up to 100m.

## **2. 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 speedlite.

## **3. 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 continuous shot is related with the output level. Please use the fully charged battery.

#### 4. Rear-curtain Sync

You can use slow-speed shutter to produce trailing smear for the object and the speedlite 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 user manual for its setting method).

Please note: the rear-curtain function will be realized in using only when Canon camera is able to communicate with the speedlite.

#### 5. Advanced Options Setting

YN560 IV has advanced options function. You can customize speedlite function as you need, set advanced options with button group of the speedlite. Setting method of the buttons of the speedlite: press [Illumination/Sound] and [MODE] button to enter into the setting state of advanced options function, select setting items by pressing [UP] and [DOWN] buttons, and, adjust parameters of each item by pressing [RIGHT] and [LEFT] buttons. The LCD screen shall show set items, for example, <SE of 3 30> 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.

Advanced options function supported by YN560 IV is as following:



Gr Ab c

Gr A: TX master state supports remote control the parameters of Group A;

Gr Ab: TX master state supports remote control the parameters of Group A and B;

Gr Ab c: TX master state supports remote control the parameters of Group A, B and C.

SL EP on: Auto power off is enabled  
SL EP --: Auto power off is disabled

SE oF 3 30/15 60/30 120: Keeping idle for 3/15/30 minutes will enter the dormancy state and 30/60/120 minutes will shut down the speedlite.

SE oF -- 120: No dormancy. Shut down after keeping idle for 120 minutes.

Sd 30/60/120: S1/S2 mode, auto power off cancels within 30/60/120 min

Sd 5 30/15 60/30 120: RX mode, keeping idle for 5/15/30 minutes the flash will enter the dormancy state and 30/60/120 minutes will shut down the speedlite.

Sd -- 120: No dormancy. Shut down after keeping idle for 120 minutes.

SL EP on

SE 3 30  
oF

Sd 60

Sd 5 30

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

lcd 7

So nd on: Sound prompt function is enabled  
So nd --: Sound prompt function is disabled

So nd on

I nc 0.3: 0.3ev for fine-tuning step  
I nc 0.5: 0.5ev for fine-tuning step  
I nc 0.3 5: Mix 0.3ev and 0.5ev for fine-tuning step

inc 0.3 5

qu ic --: Quick turn on/ shut down function is disabled  
(Default)  
qu ic on: Quick turn on/ shut down function is enabled

qu ic --

rF 603: Compatible with RF-603 wireless transmitter

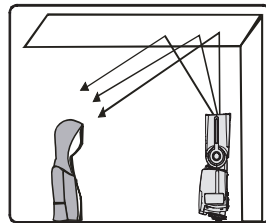
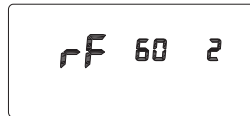
rF 602: Compatible with RF-602 wireless transmitter

CL EA --: Restore the default settings (Hold the [OK] button to restore the default settings)

## 6. 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.

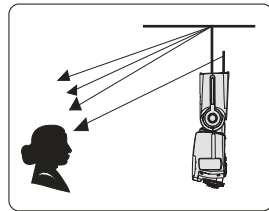
If the wall or ceiling is too far, the bounce flash may be too weak to get enough exposure. The wall or ceiling should be even and white in order to get efficient reflection; if the reflection surface is not white, color cast may appear in photo.





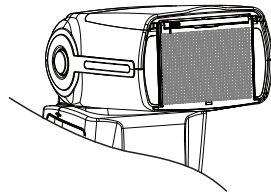
### 7. Use Reflection Board to Take Photos

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 diffusionboard 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 flash head is up 90.



### 8. 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 extend and the flash effect will be softer and more natural.



## VIII. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	58(ISO 100, 105mm)
Flash mode	M, Multi
Triggering mode	Camera set-up, TX, RX, 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×AA size 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), 29 levels of fine tuning
External interface	hot shoe, PC port and external charging port
Wireless triggering distance	20~25m indoor (Optical control), 10~15m outdoor, 100m(2.4G wireless)
Additional features	the electronic flash head zooming, sound prompt, PC sync, power saving mode, overheating protection and auto save settings
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

## IX. Possible problem 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 underexposed or overexposed?** Check if the set shutter, aperture and ISO are too near the flash limit or if some settings 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. TX master flash mode of YN560 IV is unable to trigger RX mode?** Please check if the triggering signal (RF602/RF603) and the channel of the master unit are consistent with the slave unit, and check if the flash light of this speed-lite is set disabled.

**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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