

Manual de instrucciones

Yonguno YN-600EX-RT



YONGNUO
DIGITAL

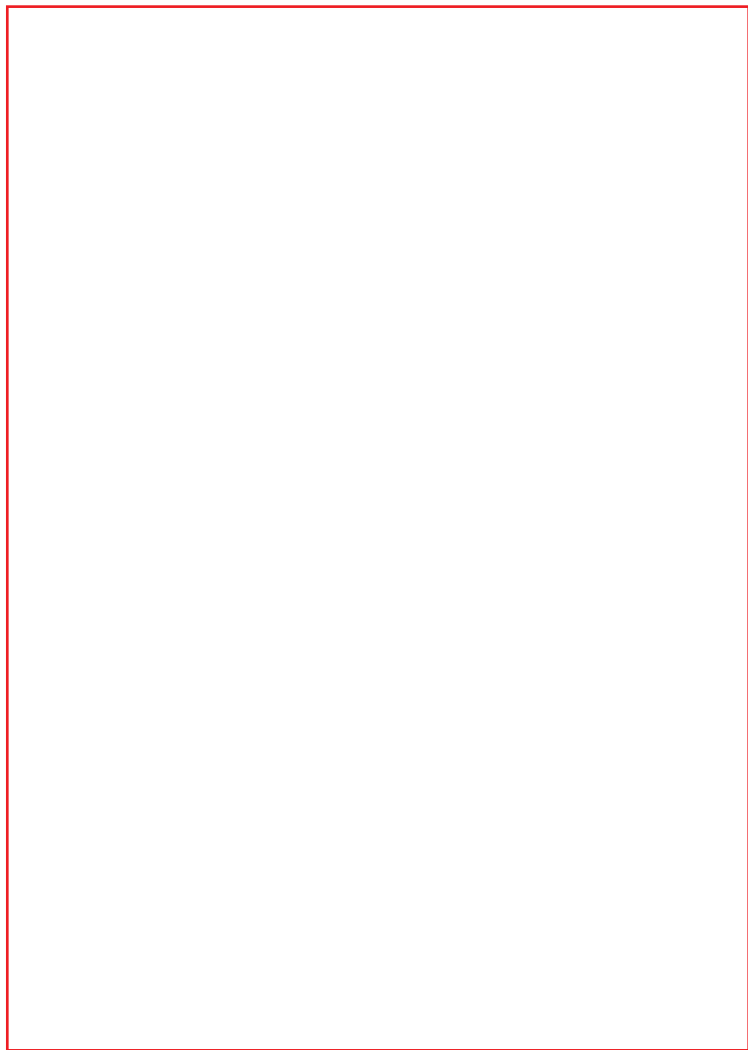
SPEEDLITE YN600EX-RT



INSTRUCTION MANUAL
使用说明书

中文

English





SPEEDLITE YN600EX-RT

在使用本产品之前，请通读本使用说明书，以确保您能正确、安全使用，然后保存好本说明书以便将来查询参考。

中文

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。

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一、产品特性

●支持RT系统

同一台YN600EX-RT可作为C家RT系统中的机顶主控单元和远程从属单元使用，并支持Gr分组模式。

●兼容永诺YN-E3-RT、C家600EX-RT/ST-E3-RT无线信号

同一台YN600EX-RT可作为主控单元引闪同时引闪永诺YN600EX-RT、C家600EX-RT，并实时显示从属单元闪光灯的分组和回电信息；同一台YN600EX-RT可分别接受作为主控单元的YN600EX-RT、YN-E3-RT、C家600EX-RT/ST-E3-RT的无线信号，实现离机TTL、M及Gr闪光。

●大指数、支持高速同步功能

GN60@ISO100，200mm；支持高速同步TTL、手动闪光、Gr分组闪光，最高同步速度可达1/8000秒。

●支持USB固件升级

配备USB接口，支持固件升级，用户可登录永诺官方网站下载固件升级包对闪光灯进行升级。

●支持无线光从属功能

可支持永诺、C家和N家无线光主控信号，支持S1和S2避预闪触发模式。

●支持灯头电动变焦功能

支持自动和手动变焦，灯头覆盖焦距可在AUTO、20~200mm之间变动。

●支持自动保存设置、支持自定义设置（Fn）

●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

二、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 3 分钟以上)

2、短按【】和【MODE】按钮可直接切换各种触发方式和闪光模式。(Gr 模式仅在无线电主控模式下才有)

3、当作为主控单元使用时,通过功能按钮【】可以设置参与曝光的闪光灯组。

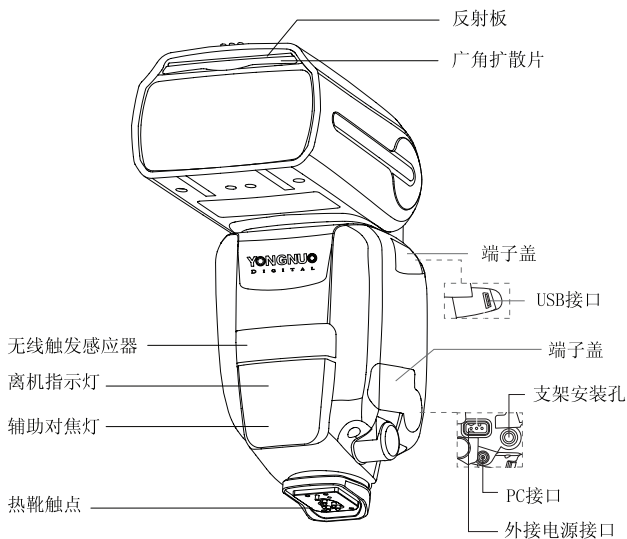
4、短按功能按钮【】可进入焦距设置状态,长按功能按钮【】可进入高级选项设置状态,进入对应的设置状态后通过配合【】和【OK】按钮即可设定灯头焦距覆盖范围、自定义闪光功能。

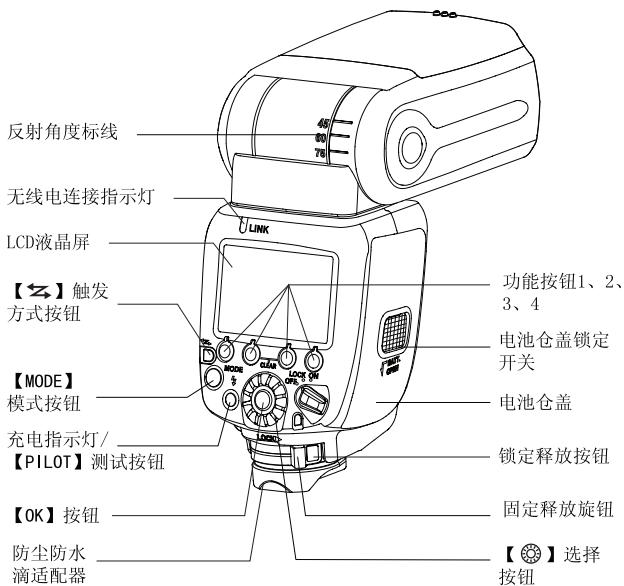
5、功能按钮 1/2/3/4 根据当前闪光灯状态的不同,此四个功能按钮可操作当前按钮上方所对应的 LED 液晶屏所显示的功能,详细内容见后续章节。

6、同时按下功能按钮 2 和功能按钮 3 保持不放,可将闪光灯拍摄功能设置和无线拍摄设置恢复为默认和普通机顶 TTL 闪光模式状态。

三、部件

请认真熟读本章节内容，以便您快速熟悉本产品功能

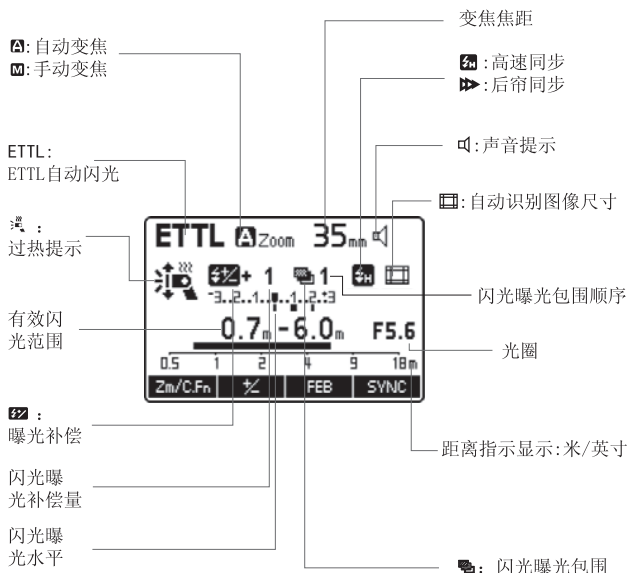




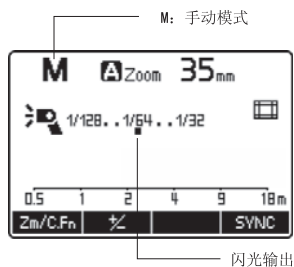
部件

液晶显示屏

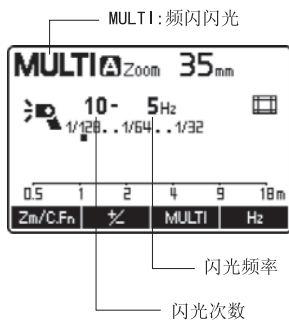
ETTL闪光液晶屏显示



手动闪光液晶屏显示

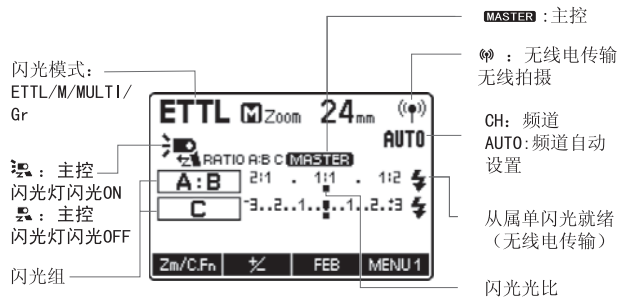


频闪闪光液晶屏显示

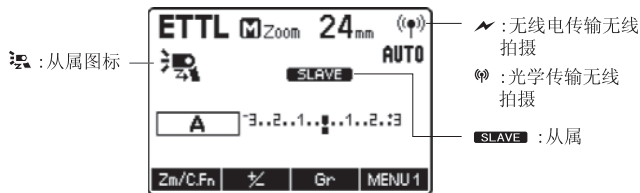


部件

无线电主控单元液晶显示



无线电传输/光学传输无线从属单元显示



四、产品安装及拆卸

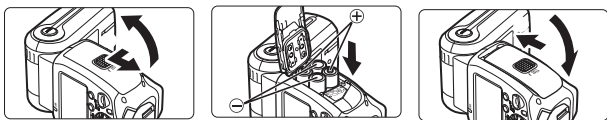
1、安装电池

向左滑动【电池仓盖锁定开关】，然后向下滑动【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。

安装完电池后，合上【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

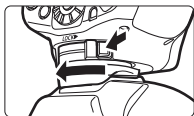
将闪光灯【热靴座】完全推入相机热靴。

如箭头所示，将【固定释放旋钮】滑动至右侧，直至听到咔的一声为止。



3、拆卸闪光灯

要取下闪光灯，请在按下【锁定释放】按钮的同时将【固定释放旋钮】拨到最左侧，然后取下闪光灯。



五、基本功能操作

1、基本操作

按钮操作

按钮	操作
【ON/LOCK/OFF】开关	将此开关拨到“ON”、“OFF”位置可以开启或关闭电源，将此开关拨到“LOCK”位置可以锁住除电源开关和【PILOT】以外的按钮。
【MODE】按钮	通过该按钮可以在ETTL、M、MULTI、Gr（Gr模式仅在无线电主控模式下才出现）之间循环切换。
【  】按钮	通过短按该按钮可以切换闪光触发方式：普通机顶、无线电主控触发、无线电从属触发、Sc/Sn/S1/S2。
【  】按钮	在选中一个需要设置的参数后，通过此拨盘可以调整参数，相关操作详见后续章节。
【OK】按钮	确认保存设置好的参数设置
【功能按钮1/2/3/4】	根据当前闪光灯的状态不同，四个功能按钮所对应的作用也有所不同，相关操作详见后续章节。
【PILOT】按钮	测试闪光输出亮度。

【充电指示灯】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	过热提示	降低闪光频率或者停止闪光等待闪光灯冷却下来
红绿交替闪烁	过热保护机制被激活	停止闪光或关机等待闪光灯冷却

【LINK】指示灯含义

【LINK】指示灯状态	含义	处理方法
绿色	无线电主控单元与从属单元传输正常	正常
蓝色	无线电主控单元与从属单元未连接	检查主控单元与从属单元的频道和ID是否一致
绿色+蓝色	作为副主控单元使用	正常

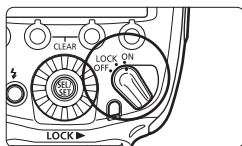
基本功能操作

【声音提示】的含义

声响方式	含义	处理方式
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	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
滴——长响	闪光灯充电完成， 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	请更换电池

2、开启及关闭电源

将电源开关拨到<ON>位置，闪光灯开机并开始充电；开启电源后<充电指示灯>亮红灯，表示可以进行闪光。



若电池电量不足，且在30秒仍不能充满电，<充电指示灯>将绿色闪烁，且液晶显示屏显示低电量图标，然后闪光灯自动关机，此时请更换新电池。

在闪光灯<充电指示灯>变为红色后可以通过【PILOT】按钮来测试闪光是否正常。

在闪光灯<充电指示灯>变为红色后可以通过【PILOT】按钮来测试闪光是否正常。

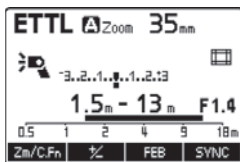
闪光灯使用完毕后，将电源开关设为<OFF>即可关闭电源。推荐通过该开关关闭闪光灯电源之后再取出电池。

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

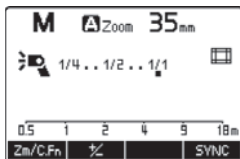
明，从而自动调节闪光输出量，使主体和背景得到均衡曝光。

在ETTL模式下，您还可以对闪光亮度进行补偿，补偿范围是-3EV~+3EV，精度为1/3EV。



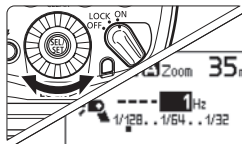
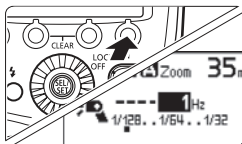
4、M模式

在M模式下，您可以根据自己的需求设定闪光亮度，通过短按功能按钮【】，当<闪光输出>被突出显示后转动【】调整闪光灯输出亮度。M模式的闪光输出亮度的调整范围是1/128~1/1，亮度共8档，每一档最多可有3档微调，以1/3EV作为调节增量，共29级微调。在设定好闪光亮度后，半按相机快门按钮时，液晶屏上将显示光圈值和闪光有效范围。



5、Multi模式

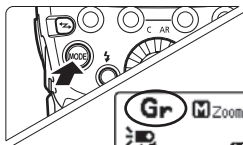
Multi模式即频闪模式，在该模式下，闪光灯将按您设置好的输出功率、闪光频率与次数闪光。通过功能按钮【】选中闪光次数，通过功能按钮【】选中频率，然后通过【】调整闪光次数和闪光频率。闪光输出亮度的调整方法同M模式的设置方法一样。闪光次数范围为1~100，闪光频率范围为1~100。



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、Gr模式

当YN600EX-RT设置为无线电主控模式时，通过【MODE】按钮可以将闪光模式设置为Gr模式。在Gr模式下支持引闪多达A、B、C、D、E五组闪光灯（最多达15个从属单元闪光灯），并可以为各组闪光灯设置不同的闪光模式和闪光亮度。



7、相机菜单访问（仅佳能较新机型）

在支持ETTL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ETTL模式、手动闪光模式、频闪闪光模式（Multi）及Gr模式、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

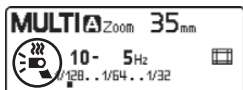
无论处在哪种模式下，您都可以通过按【PILOT】按钮来测试闪光灯是否闪光正常。测试闪光时，闪光灯会根据所选择的输出功率等级发出相应亮度的闪光。

9、节电模式

永诺为YN600EX-RT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，具体设置方法请参考后续“高级选项功能”章节。

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：短按功能按钮【**Zm/C.Fn**】按钮，待液晶屏上的焦段数值被突出显示后通过【】调节覆盖范围，当<ZOOM>左边显示<>时，将闪光灯安装在相机上，闪光灯杯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（默认为35mm）。

手动设置灯头的变焦位置：短按功能按钮【**Zm/C.Fn**】按钮，待液晶屏上的焦段数值被突出显示后通过【】调节覆盖范围，当<ZOOM>左边显示<>时，您可以手动调整闪光覆盖范围（20，24，28，35，50，70，80，105，135，200mm）。

 **注意：**使用广角扩散板，闪光覆盖范围将扩展至14mm。

12、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。

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

14、固件升级

（1）登陆永诺官方网站（www.hkyongnuo.com）下载固件升级程序及最新固件。

（2）关闭闪光灯电源，通过USB-MINIB线与PC连接（USB-MINIB线需要另外购买）。

基本功能操作

(3) 打开闪光灯电源，按照软件上的提示完成固件升级操作。

六、无线闪光拍摄

1、无线电传输无线闪光拍摄

(1) 无线电主控单元设置

短按【】按钮切换触发方式，直至显示</>和<**MASTER**>图标。

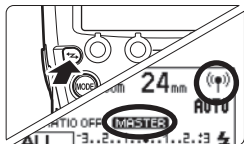
在无线电主控闪光状态下，通过短按功能按钮4直至【MENU 3】显示，按功【**CH**】能按钮选中当前频道，

然【】后通过调整频道；按功能按【**ID**】钮选中ID，通【】过调整ID。

在无线电拍摄下，有AUTO、15个频道和10000个ID可供选择。

在主控闪光状态下，支持TTL/M/Multi/Gr闪光模式，直接操作【MODE】按钮即可进行切换；通过功能按钮【**Zm/C.Fn**】选中焦距后，旋转【】即可调整主控单元的闪光灯焦距；通过短按功能按钮【**1/2**】和转动【】可调整曝光补偿；通过按功能按钮【**FEB**】和转动【】可设置曝光包围；按功能按钮4直至显示【MENU 2】，按功能按钮【】可设置主控单元闪光灯是否参与曝光。

YN600EX-RT作为主控闪光时，支持引闪YN600EX-RT和C家600EX-RT闪光灯。

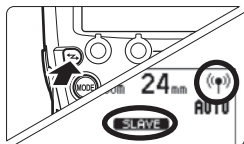


(2) 无线电从属单元设置

短按【】按钮，直至显示</>和<**SLAVE**>图标。

短按功能按钮4直至显示【MENU 3】，通过按功能按钮【**CH**】、功能按钮【**ID**】，在液晶屏上的频道和ID突出显示后转动【】将从属单元的频道和ID设置成与主控单元一致。

按功能按钮4，直至显示【MENU 1】：通过短按功能按钮2【**1/2**】并转动【】可以设置曝光补偿；通过短按功能按钮3【**Gr**】可设置从属单元的组别，共有A/B/C/D/E五个分组可供选择。

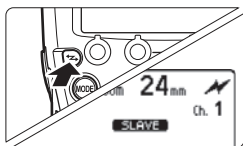


无线闪光拍摄

作为从属单元的YN600EX-RT可以设置曝光补偿，如果主控单元也设置了曝光补偿，则此时实际闪光的曝光补偿值将叠加。

2、光学传输无线闪光拍摄

按【】按钮，直至显示<⚡>和< **SLAVE** >图标。无线光从属单元包含Sc、Sn、S1和S2四种触发方式。



Sc/Sn模式可分别接受YN568EX II、580EX II、SB-910/900/800/700、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。如果使用Sc/Sn模式，拍摄前，需将从属单元与主控单元设置在同一通信频道上。S1/S2模式分别适用于手动闪光环境和TTL闪光环境，在这两种模式下调输出亮度的方法和普通机顶M模式一样，只需要操作功能按钮【】和【】即可。

Sc模式：只接收C家光学传输无线闪光信号，避免N家信号干扰。



Sn模式：只接收N家光学传输无线闪光信号，避免C家信号干扰。



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。

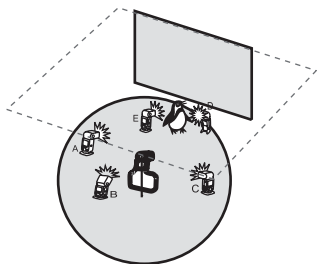
S2模式：又被称为“预闪取消模式”，该模式与S1模式类似，但它能忽略TTL闪光灯发出的预闪，因此可以支持工作在TTL模式的主闪光灯。特别地，如果S1模式无法与您的内置闪光灯正确同步闪光，您可以尝试使用S2模式。



⚠ 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。

3、无线多重闪光拍摄

在无线闪光拍摄中您可以创建1~5个（光学传输无线闪光拍摄中最多3个：A/B/C）从属单元组以完成多方位闪光的拍摄需求，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、频闪或Gr混合模式闪光。



⚠ 注意：当主控单元设置为ALL时，设置为A、B、C分组的从属单元都将以相同模式和亮度进行闪光；当主控单元设置为<A:B>，只有设置为A分組和B分組的从属单元闪光灯才能被触发闪光；当主控单元设置为<A:B:C>时，则只有设置为A、B、C组的从属单元闪光灯才能被触发闪光；如果想设为A、B、C、D、E组的从属单元闪光灯都能够被主控单元触发，请将主控单元的闪光模式设置为Gr模式（Gr模式仅在无线电传输闪光拍摄中才可选）。

七、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：通过操作功能按钮【 SYNC】可以开启或关闭高速同步功能。

2、远距离无线闪光

YN600EX-RT支持无线电传输和光学传输两种远距离无线闪光拍摄。无线电闪光拍摄最远引闪距离可达100米；无线光闪光拍摄室内使用最远距离可达25米，室外使用最远距离可达15米。详细操作请参考无线闪光拍摄章节部分内容。

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-3EV~+3EV。设置方法是：通过YN600EX-RT上的功能按钮【 %】并转动【】。

 注意：佳能版本，直接装在相机机顶的YN600EX-RT所设置的曝光补偿将覆盖相机上的曝光补偿设置。作为从属单元使用时，从属单元所设置的曝光补偿值将会和主控单元上所设置的曝光补偿进行叠加。

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YN600EX-RT闪光灯，您可以通过功能按钮【 SYNC】来开启和关闭后帘同步功能。

 注意：YN600EX-RT作为无线闪光时，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。在YN600EX-RT上通过短按功能按钮【FEB】和转动【】可以直接调整曝光包围值。

 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，按下相机的闪光曝光锁定【*】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

YN600EX-RT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，通过闪光灯上的功能按钮1【】或相机菜单来设置高级选项设置。直接在闪光灯上的具体设置方法是：短按功能按钮1【】进入高级选项功能设置状态，通过转动【】选择所需调整的项目（如<C.Fn 01>），选中要设置的项目后按【OK】按钮进入项目设置状态，转动【】选择所需要

高级应用

的选项并按【OK】按钮。完成自定义设置后，按功能按钮【返回】以返回拍摄就绪状态。

YN600EX-RT支持的高级选项功能如下：

C.Fn 00 距离指示显示

0: m (米 (m))

1: ft (英尺 (ft))

C.Fn 01 自动关闭电源

0: ON (启用)

1: OFF (关闭)

C.Fn 03 曝光包围自动取消

0: ON (启用)

1: OFF (关闭)

C.Fn 04 曝光包围顺序

0: 0 → - → +

1: - → 0 → +

C.Fn 08 自动对焦辅助光闪光

0: ON (启用)

1: OFF (关闭)

C.Fn 09 自动识别图像尺寸

0: ON (启用)

1: OFF (关闭)

C.Fn 10 从属单元自动关闭电源计时器

0: 60min (60分钟)

1: 10min (10分钟)

C. Fn 11 从属单元自动关闭电源取消

0: 8h (8小时内)

1: 1h (1小时内)

C. Fn 20 提示音

0: OFF (关闭)

1: ON (开启)

C. Fn 22 液晶显示屏照明

0: 12sec (照明12秒)

1: OFF (关闭显示照明)

2: ON (持续照明)

C. Fn 24 个性化TTL

0: NORMAL (常规模式)

1: HIGH (高光模式)

2: LOW (暗光模式)

3: USER SETTING (用户设置)

C. Fn 25 通过【触发方式】按钮可切换的无线光从属单元模式

0: Sc (仅Sc)

1: Sc/Sn (包括: Sc/Sn)

2: Sc/S1/S2 (包括: Sc/S1/S2)

3: Sc/Sn/S1/S2 (包括: Sc/Sn/S1/S2)

C. Fn 26 从属单元指示灯

0: ON (开启)

1: OFF (关闭)

C. Fn 27 固件版本

9、高速连拍

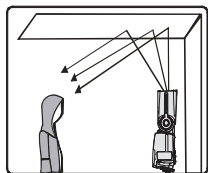
本闪光灯可以支持高速连拍功能，请将相机设置为连拍方式，再进行拍摄即可。

 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

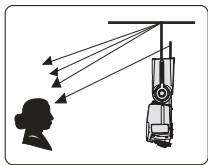
反射闪光是指通过将「闪光灯头」指向墙壁或天花板，借助天花板或墙壁反射回来的光照明物体来进行拍摄（俗称“跳闪”）。这样可以减轻被摄物体背后阴影，获得更自然的摄影效果。

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。



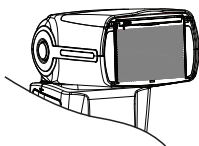
11、利用「反射板」拍摄

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，焦距扩展至14mm，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	60（ISO 100, 200mm）
闪光模式	TTL, M, Multi, Gr
触发方式	机顶, 无线电主控, 无线电从属, Sc, Sn, S1, S2
灯头变焦范围	20, 24, 28, 35, 50, 70, 80, 105, 135, 200mm
上下旋转角度	-7~90度
左右旋转角度	0~360度
电源	4枚AA碱性电池或AA镍氢（Ni-MH）电池
发光次数	100~1500次（使用AA碱性电池）
回电时间	约3秒（使用AA碱性电池）
色温	5600k
闪光灯时间	1/200秒~1/20000秒
闪光控制	8级亮度控制(1/128~1/1), 共29级微调
外部接口	热靴、USB口、PC口
光学传输触发距离	光敏引闪距离室内20~25米, 室外10~15米
无线电传输触发距离	可达100米
附加功能	主控闪光、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	约62×78×205mm（伸展状态）
净重	430g
所含物品	闪光灯（1），保护袋（1），微型底座（1），说明书（1）

规格

不同焦距范围的闪光指数（ISO 100， 以米为单位）

闪光 输出	闪光灯覆盖范围（mm）						
	14	20	24	28	35	50	70
1/1	15	26	28	30	39	42	50
1/2	10.6	18.4	19.8	21.2	27.6	29.7	35.4
1/4	7.5	13	14	15	19.5	21	25
1/8	5.3	9.2	9.9	10.6	13.7	14.8	17.7
1/16	3.8	6.3	7	7.5	9.7	10.5	12.5
1/32	2.7	4.6	4.9	5.3	6.9	7.4	8.8
1/64	1.9	3.3	3.5	3.8	4.9	5.3	6.3
1/128	1.3	2.3	2.5	2.7	3.5	3.7	4.4

闪光 输出	闪光灯覆盖范围（mm）			
	80	105	135	200
1/1	53	58	59	60
1/2	37.5	41	41.7	42.4
1/4	26.5	29	29.5	30
1/8	18.7	20.5	20.9	21.2
1/16	13.3	14.5	14.8	15
1/32	9.4	10.3	10.4	10.6
1/64	6.6	7.3	7.4	7.5
1/128	4.7	5.1	5.2	5.3

九、故障排除指南

1、无法开启电源或闪光灯不闪光。

请检查电池是否安装正确、电池电量是否充足；在使用外接电源时请在闪光灯内也装上四颗AA电池；请检查闪光灯热靴与相机之间是否接触良好；如果闪光灯或相机的热靴触点变脏，请清洁触点。

2、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。

3、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。

4、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。

5、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20~200mm，您可以尝试拉出广角扩散板，以扩大闪光范围；如果距离被摄物体太近，请远离被摄物体；在一米以内请将闪光灯灯头设定为-7°。

6、无线电从属单元不闪光。

请将主控单元设为<📶><MASTER>，将从属单元设为<📶><SLAVE>；请将无线电主控单元和从属单元的频道、ID设为一致；请确保无线电从属单元位于主控单元的有效传输范围内。

7、光学传输无线从属单元不闪光。

请将主控单元设为<👁️><MASTER>，从属单元设为<👁️>，<SLAVE>并将主控单元和从属单元的频道设为一致；请确保

故障排除指南

从属单元位于主控单元的有效传输范围内；请确保从属单元的无线传感器朝向主控单元，并尽可能不要在主控单元与从属单元之间放置障碍物。

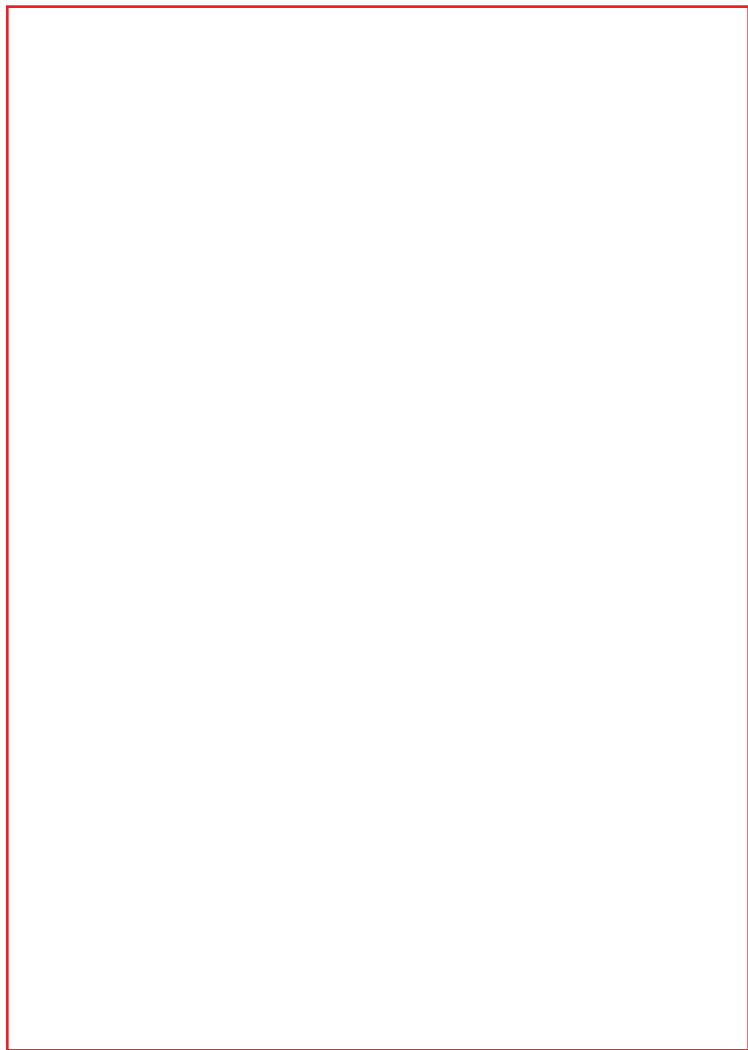
8、液晶显示屏参数显示模糊。

在出厂时液晶显示屏上贴有一层保护膜，您可以撕开它来享受更清晰的视觉效果。

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邮 编: _____

地 址: _____

产品名称: _____ 购买日期: _____

故障说明: _____

WARRANTY CARD

Owners Name: _____

Phone: _____

Zip code: _____

Address: _____

Product model: _____

Purchase Date: _____

Failure Description: _____



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SPEEDLITE YN600EX-RT

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

English

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.
- If the battery leaks corrosive liquids, please take out the battery with gloves.
- 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.

Contents

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I.Features

● Supports RT System

One YN600EX-RT can be used as on-camera master unit of Canon' s RT system and remote slave unit,and supports Gr grouping mode.

● Fully Compatible with YONGNUO YN-E3-RT,Canon' s 600EX-RT/ST-E3-RT Wireless Signal

One YN600EX-RT can be used as master unit to trigger YONGNUO YN600EX-RT,Canon 600EX-RT,and live display the flash groupings of slave unit and recycling information; One YN600EX-RT can respectively receive the wireless signal of master unit YN600EX-RT、YN-E3-RT、 Canon' s 600EX-RT/ST-E3-RT, realizing remote TTL、M and Gr flash.

● High Guide Number,Supports High-speed Sync

GN60@ISO100,200mm;supports high-speed sync TTL>manual flash,Gr grouping flash,the highest synchronous speed can reach 1/8000s

● Supports USB Firmware Upgrade

The YN600EX-RT equipped with the USB interface,supports firmware upgrade,the users can download the upgrade firmware through the Yongnuo official website to upgrade the flash.

● Supports Wireless Optical Slave function

The YN600EX-RT supports YONGNUO,Canon' s and Nikon' s wireless optical master signal,supports S1 and S2 pre flash cancel mode.

● Support Auto/Manual Zooming

The YN600EX-RT supports auto and manual zooming, the flash coverage can be changed between AUTO, 20~200mm.

● Settings Save Automatically,Supports Custom Settings (Fn)

● Ultrafast Charging Recycle System,Supports External Power Supply

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

II.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. (It is recommended that the speedlite should be idle for more than 3 minutes when entering the overheat protection).

2. Short press the [] and [MODE] button can switch the trigger mode and flashmode(Gr flash mode only in wireless master mode).

3.When used as master unit, through the [] button can set the participated exposure flash group.

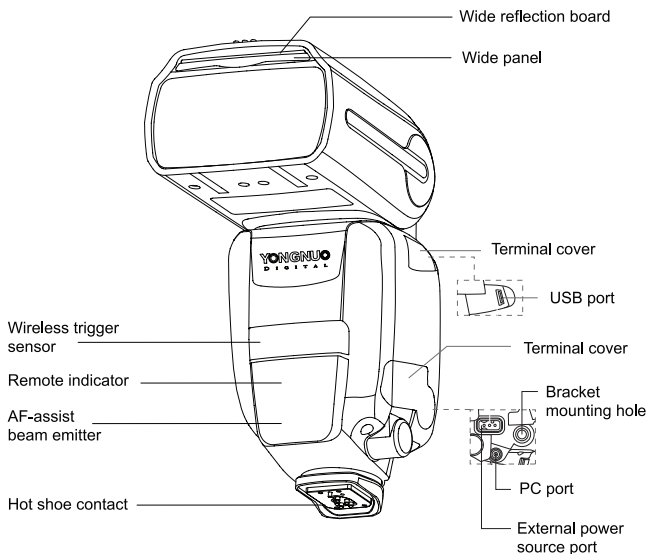
4.Short press the function button [] can enter into the focal length setting state,long press the function button [] can enter into the advanced options setting state, then through the and [] [OK] buttons can set the coverage of the focal length and the custom flash function.

5、Function button 1-4 corresponding to different functions according to current state of the flash,operations and details please refer to the following chapters.

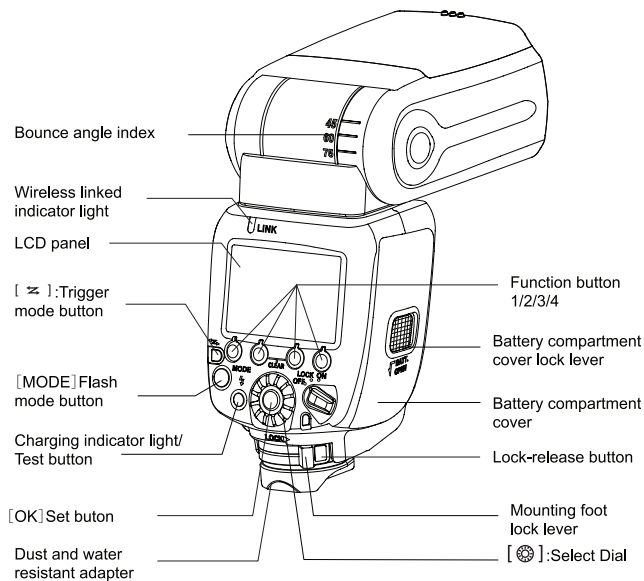
6、Long press the function button 2 and button 3 can set the flash shooting function settings and wireless shooting setting recover to the default set-top TTL flash mode status.

III.Components Discription

Please familiar with this part carefully, allowing you to



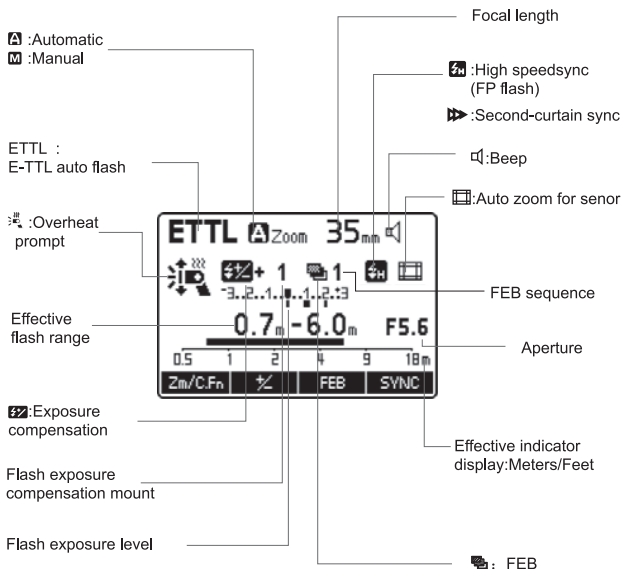
Components Discription



Components Discription

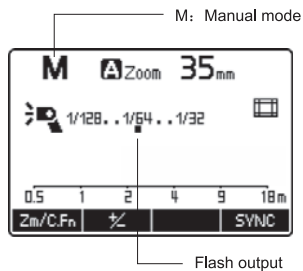
LCD panel

ETTL flash LCD panel

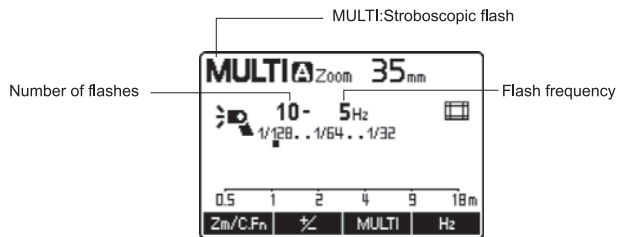


Components Discription

M mode LCD panel display

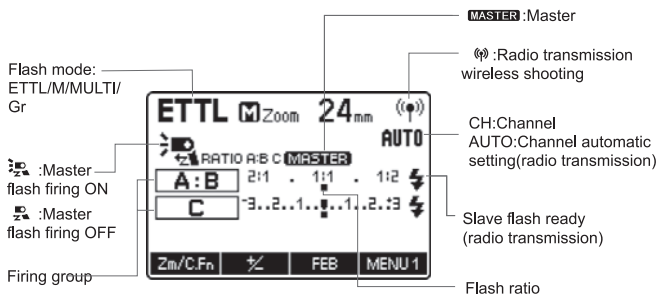


MUTIL mode panel display

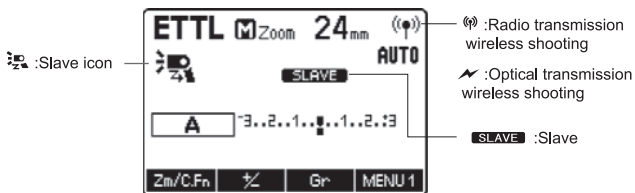


Components Discription

Wireless master unit LCD panel display



Wireless slave unit LCD panel display



IV. Installation Instruction

1. Install Batteries

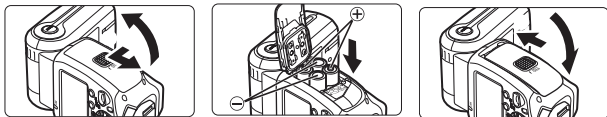
Slide the [battery compartment cover] in the direction of the arrow as shown.

Slide the [battery compartment cover] in the direction of the arrow as shown.

Insert the batteries according to the label inside battery chamber and make sure the direction of the battery contact (+/-) is correct.

Close the [battery compartment cover] in the direction of the arrow as shown.

⚠ NOTE: Please use four standard specification AA batteries. To avoid circuit, please do not use damaged batteries.

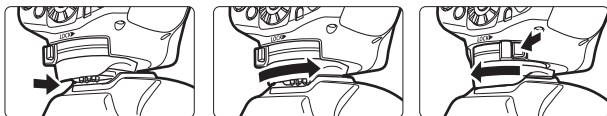


2. Attaching to the Camera

Slip the speedlite's [Mounting foot] all the way into the camera's hot shoe.

Slide the [mounting foot lock lever] to the right side as the arrow shown, until heard the "clicks" sound.

To detach the speedlite, press the [lock-release button] and slide the [Mounting foot lock lever] to the left side, then detach the speedlite.



V.Basic Functions

1.Basic operations

Button Operation:

button	Operation
[ON/LOCK/OFF] Switch	Set the switch to the ON/OFF can turn on/off the power source,set the switch to LOCK can disable the buttons except the switch and [PILOT] buttons.
[MODE] button	Through the button can switch between Ettl/M/MULTI/Gr (Gr mode only in wireless master mode)
[] button	Short press the button can switch the trigger mode:set top,wireless master mode,wireless slave mode,Sc/Sn/S1/S2.
[]button	Through the dial can adjust the selected parameters which need adjusted, related operations and details please refer to the subsequent chapters.
[OK] button	Confirm and save the parameter settings
[Function button 1/2/3/4]	According to the current state of the flash, the corresponding four function buttons are in different roles, related operations and details please refer to the subsequent chapters.
[PILOT] button	Test the flash output

Basic Functions

Meaning of [Indicator light]

Statues of [Charging Indicator]	Meaning	Method
Red light	The speedlite is fully charged and can be used.	Normal.
Green light	The speedlite has not been fully charged.	Waiting for completion of charging.
Green light blinking	Low battery and the speedlite is about to shut down.	Please replace new batteries.
Red light blinking	Overheat prompt.	Reduce the frequency or stop firing until the speedlite cool down.
Red light and green light	Overheat protection mechanism is activated.	Stop firing until the speedlite cool down.

Meaning of [Link light]

[LINK] Indicator statues	Meaning	Method
Green light	Wireless master unit and slave unit are in normal transmission.	Normal.
Blue light	Wireless master unit and slave unit have not connect.	Check if the channel and IDs of the master unit and slave unit are consistent.
Green light and blue light	Used as the second and the subsequent master unit	Normal.

Basic Functions

The meaning of [Sound Prompt]

The Sound Form	Meaning	Method
Tick twice	The sound indicator is enabled,the speedlite is started and ready to fire.	Normal
Three tick, two times	The exposure maybe excessive.	Adjust exposure compensation or change shooting condition.
Tick tick tick	The exposure may be insufficient.	Adjust exposure compensation or change shooting condition.
Tick-tick Tick-tick twine	a.The speedlite is in charging; b.Overheat protection prompt.	Waiting for completion of charging ; Idle 3-5 minutes for overheat released.
Tick-a long sound	The speedlite is fully charged, and can be used.	Normal
Tick-tick-tick	Low battery and the speedlite is about to shut down.	Replace the batteries.

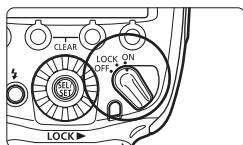
2. Power-on and Power-off

Set the switch to <ON> position,the speedlite will turn on and start charging; After turned on, the <Charging indicator> will bright with red light which indicates it can flash.

If the charging is not completed within 30 seconds, the <Charging indicator> will with green light blinking, and the screen will display the low power icon, speedlite will automatically shutdown, indicating it need to replace with new batteries.

After the <Charging indicator> turned into red,you can test flash through pressing the [PILOT] button to see if the speedlite works normally.

After use,set the switch to <OFF> position to turn off the power source.

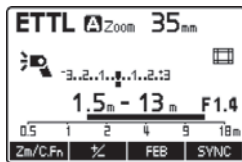


Please take out the batteries after turning off the power of the speedlite.

3.ETTL Mode

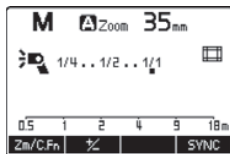
In ETTL mode, the metering system of this camera will detect flash illumination reflected back from the object so as to automatically adjust the exposure compensation, exposure bracketing, high-speed sync, second-curtain sync, exposure lock, modeling light, and CANON camera menu accessible is supported.

In ETTL mode, you can also set exposure compensation for flash, the range of flash exposure compensation is -3EV ~ +3EV in 1/3-stop precision.



4. M mode

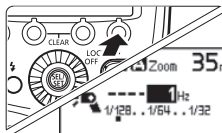
In M mode, you can set flash output as your requirement by short press the function button [], when the <Flash output level> displays on the screen, you can adjust the flash output through []. Adjustment range of flash output is 1/128~1/1, and the output can be divided



into 8 grades, each has maximum 3 grades for fine adjustment, with grade 0.3EV, 0.4EV as adjustment increment, totally 29-grade fine adjustment. After the flash output set, half press the shutter release button, the screen will display the aperture value and flash effective range.

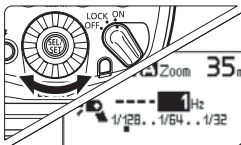
5.Multi Mode

In Multi (stroboscopic) mode, the speedlite will flash according to the flash output, flash frequency and number of flashes you set. Select the number of flashes through the function button [],



Basic Functions

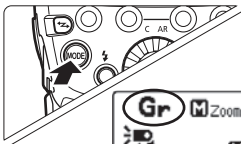
select the frequency through the function button [Hz], then adjust the numbers of flashes and flash frequency through the [⚙️]. The adjustment method of the flash output are same as the M mode. The number of flashes range is 1~100, and the range of flash frequency is 1~100.



⚠️ NOTE: When in low battery, the charging speed of speedlite will be slow, which may cause the leakage of the stroboscopic flash. In this situation, please reduce the flash frequency or change new battery.

6.Gr Mode

When the YN600EX-RT set to wireless master mode, through the [MODE] button can set the flash mode as Gr mode. In the Gr mode, supports triggering up to A/B/C/D/E five groups of flashes (Up to 15 slave flashes), and can set different flash mode and flash output for each group.



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

You can control the speedlite by accessing to camera menu on the newer Canon models which support E-TTL. On the Flash Control Menu, you can set relevant parameters through “External flash func. setting” and “External flash C. Fn setting”, for example, switch E-TTL mode, manual flash mode, stroboscopic flash mode (Multi) and Gr mode, wireless flash setting, second-curtain sync, exposure bracketing, exposure compensation, Zoom, advanced setting and etc.

8.Test Flash

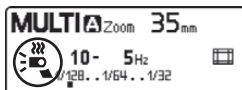
No matter in which mode, you can press the [PILOT] button to test if the speedlite flash normally. When testing the flash, the speedlite will give flash with corresponding output level in accordance with the chosen output setting.

9.Power Saving Mode

We have designed the power saving mode for YN600EX-RT, and the power saving mode can be achieved by setting through advanced options function, related operations and details please refer to the subsequent “advanced options function” chapters.

10.Overheat Protection

If the speedlite is used too frequently, the overheat protection function will be triggered; the <Overheat protection> icon will be displayed on LCD panel, and the speedlite will be locked. In such case, please wait for about 3 to 5 minutes before continuing use. Please try to use 1/4 output or lower when rapidly shooting is needed to prevent the effect on the shooting.



NOTE: when continuous shooting, the charge indicator will be warn by a red light flashing as the flash internal temperature rises to a certain value;At this time, the flash recycling time will be extended, and it is recommended to appropriately reduce the use intensity of the flash.

11.Manually Set the Zooming

Auto Zoom: short press the function button [**Zm/C.Fn**] until the focal length value displays on LCD panel,then adjust the coverage through []. When it displays<>,attach the speedlite to the camera,the flash coverage will change as the lens focal length and move back and forth to accommodate different flash coverage (the default is 35mm).

Manually set the zooming position: Press ffunction button [**Zm/C.Fn**] until the focal length value displays on LCD panel,then adjust the coverage through[]. If<>is displayed, you can adjust the flash coverage (20,24,28,35,50,70,80,105,135,200mm) manually.



NOTE: Using wide diffuser , the flash coverage will be extended to14mm.

Basic Functions

12. PC Sync port (input)

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

13. Automatic Setting Saving

The speedlite will automatically save the current settings, which will be convenient to your next use.

14. Firmware Upgrade

(1) Please visit the Yongnuo official website (www.hkyongnuo.com) to download the firmware upgrade programme and most update firmware.

(2) Turn off the flash power source, connect the PC through the USB-MINIB cord, (the USB-MINIB cord is optional).

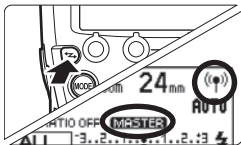
(3) Turn on the flash power source, follow the firmware upgrade operation on the programme.

VI. Wireless Flash Shooting

1. Wireless Radio Transmission Flash Shooting

(1) Wireless master unit setting

Short press the button [] to switch the triggering mode, until the <  > and < MASTER > icons are displayed. In wireless master flash mode, press the function button [MENU 3] until is displayed, press the function button [CH] to choose the current channel, and adjust the channel through []; press the function button [ID] to choose the current ID, and adjust the ID through [].



In wireless shooting, there are AUTO and 1~15 channel for option. Besides, the users can set the IDs, total 10000 IDs for option.

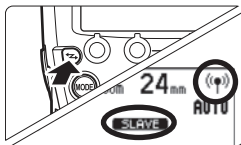
In master flash state, supports TTL/M/Multi/Gr flash mode, it can be switched through the [MODE] button; Choose the focal length through the function button [Zm/C.Fn], rotate the can adjust the focal length of the master unit; Short press the function button [] and rotate the  can adjust the exposure compensation; Press the function button [] and rotate the  can adjust the exposure bracketing; Press the function button 4 until displays [MENU 2], press the function button [] can able or disable the master unit to participate exposure.

When the YN600EX-RT used as wireless master unit, supports triggering the YN600EX-RT and Canon 600EX-RT Speedlite.

(2) Wireless slave unit setting

Press the button [] to switch the triggering mode, until the <  > and < SLAVE > icons are displayed.

Short press the function button 4 until displays [MENU 3], press the function button [CH], function button [ID], after the screen displays the channel and ID, rotate the  to set the channel and ID consistent with the master unit.



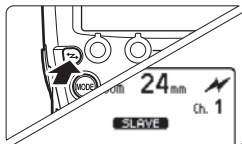
Wireless Flash Shooting

Press the function button 4 until displays [MENU 1]: short press the function button [F] and rotate the [DISP] can set the exposure compensation; short press the function button [Gr] can set the groups of slave unit, total A/B/C/D/E five groups for option.

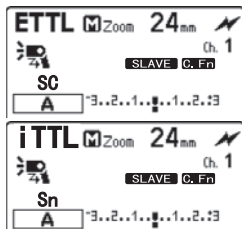
The flash mode and flash output of the slave unit YN600EX-RT will be controlled by the master unit; besides, in TTL mode, the slave unit can be set the exposure compensation, meanwhile the actual exposure compensation value will be superimposed with the exposure compensation value of the master unit.

2. Wireless Optical Transmission Flash Shooting

Press the button [F] until displays the < Optical Transmission > and < SLAVE > icon. Wireless optical slave unit is including Sc/Sn/S1/S2 four trigger mode. Sc/Sn mode can respectively receive the built-in flash of the YN568EX II, 580EX II, SB-910/900/800/700, 7D/60D/600D, C order of Nikon camera, wireless signal of SU-800 and ST-E2, supports 4 channels, realizing TTL and manual flash. When using the Sc/Sn or S1/S2 mode, please allow the wireless trigger sensor face to the master flash by rotating the flash head. Before shooting, the slave unit and master unit should be set on the same channel. S1 and S2 mode are suitable for MANUAL flash environment and TTL flash environment respectively. Under these two modes, the way to adjust the output lumen is like that in M mode only by the function button [F] and [DISP].



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.

Wireless Flash Shooting

S1 mode: In this mode it will work with the first flash synchronously of the master flash, with the result consistent with the use of radio slave. To use this mode properly, 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.

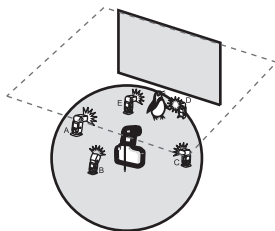


S2 mode: It is also called “pre-flash cancel mode”. This mode is similar with S1 mode, but it can neglect the pre-flash given by TTL flash. Therefore, it can support the master flash working in TTL mode. In particular, if S1 mode cannot flash properly and synchronically with your internal flash, you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



3. Wireless Multiple Flash Shooting

In wireless flash shooting you can create 1~5 (up to three groups: A/B/C in wireless shooting optical transmission) slave unit groups to achieve multi-faceted flashing, and the master unit set up the flash ratio of TTL auto flash shooting, flash output, stroboscopic flash or Gr mixed mode flash.



NOTE: when the master unit set to ALL, the slave unit set to A,B,C group will fire in the same mode and same flash output; when the master unit set to <A:B>, only set to A and B group the slave unit can be triggered; when the master unit set to <A:B C>, only set to A,B,C group the slave unit can be triggered; If you want to set the A,B,C,D,E group of slave unit can be triggered by the master unit, please set the flash mode of master unit to Gr mode (Gr the mode can only be selected in the wireless radio transmission shooting).

VII.Advanced Applications

1. High-speed Sync Flash

With high-speed sync (FP flash), the YN600EX-RT can be synchronized with all shutter speeds, the maximum shutter sync is up to 1/8000. High-speed synchronization is particularly convenient to use aperture priority to fill flash portraits.Setting method: Press the  button to turn on or off the high-speed synchronization function.

2.Remote Wireless Flash

The YN600EX-RT supports two kinds of wireless flash shooting, Radio transmission and Optical transmission. The furthest radio transmission distance can be up to 100 meters; The furthest distance of indoor wireless optical transmission can be up to 25 meters, while the furthest distance of outdoor can be up to 15 meters. Related operations and details please refer to the Wireless Flash shooting chapters.

3. Flash Exposure Compensation

In order to make the shooting effect more suitable to your needs, you can set the flash exposure compensation through the camera or on the flash. The exposure compensation value is within the range of $-3EV \sim +3EV$. It can be set through pressing the function button  and rotating the  on the YN600EX-RT.



NOTE: For Canon version, please note that this compensation setting will overlap the exposure compensation setting on the camera. When used as the slave unit, the exposure compensation value set on the slave unit will overlap the exposure compensation on the master unit.

4. Second-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 off the rear-curtain sync by pressing the [] button on the speedlite.



NOTE: When the YN600EX-RT is used as wireless flash, the rear-curtain sync function cannot be set.

5.Exposure Bracketing (FEB)

The FEB function can be set through the camera or speedlite. After the FEB is set, after every 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. Please short press the function button [] and [] to directly adjust the exposure bracketing value.



NOTE: For FEB, set the drive mode of camera 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 recomposition, after it you can take photo. (The function can only be used when it is supported by your camera. For the setting method please refer to your camera manual.)

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 the object in the viewfinder and then press the [AE-L key /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. (The function can only be used when it is supported by your camera. For the setting of AE-L and AF-L please refer to your camera manual).

Advanced Applications

8. Advanced Options Setting

The YN600EX-RT is equipped with advanced options function, you can customize speedlite function as your requirement, set advanced options through the function button [Zm/C.Fn] on the speedlite or through the camera menu access.

Setting method on the speedlite :short press the function button [Zm/C.Fn] to enter into the advanced options function, rotating the [] to choose the items which need adjusted (such as <C.Fn 01>), then press the [OK] button to enter into the program setting mode, rotating the [] to select the option and press [OK] button. After finishing the custom settings, press the function button [] and return to the ready shooting state.

Advanced options function supported by YN600EX-RT is as following:

C.Fn 00 Distance indicator display

0: m (Meters (m))

1: ft (Feet (ft))

C.Fn 01 Auto power off

0: ON (Enable)

1: OFF (Disable)

C.Fn 03 FEB auto cancel

0: ON (Enable)

1: OFF (Disable)

C.Fn 04 FEB sequence

0: 0 → - → +

1: - → 0 → +

C.Fn 08 AF-assist beam firing

0: ON (Enable)

1: OFF (Disable)

C.Fn 09 Auto zoom for sensor size

- 0: ON (Enable)
- 1: OFF (Disable)

C.Fn 10 Slave auto power off timer

- 0: 60min (60 minutes)
- 1: 10min (10 minutes)

C.Fn 11 Slave auto power off cancel

- 0: 8h (Within 8 hours)
- 1: 1h (Within 1 hour)

C.Fn 20 Beep

- 0: OFF (Disable)
- 1: ON (Enable)

C.Fn 22 LCD panel illumination

- 0: 12sec (On for 12sec.)
- 1: OFF (Disable panel illumination)
- 2: ON (Illumination always on)

C.Fn 24 Individuation TTL

- 0: NORMAL (Normal mode)
- 1: HIGH (High-light mode)
- 2: LOW (Dark light mode)
- 3: USER SETTING

C.Fn 25 Through the [Trigger mode] button can switch to the wireless optical slave mode.

- 0: Sc (Only Sc)
- 1: Sc/Sn (Including: Sc/Sn)
- 2: Sc/S1/S2 (Including: Sc/S1/S2)
- 3: Sc/SnS1/S2 (Including: Sc/Sn/S1/S2)

Advanced Applications

C.Fn 26 Slave unit indicator

0: ON (Enable)

1: OFF (Disable)

C.Fn 27 Firmware version

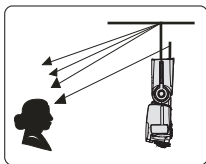
9. High-speed Continuous Shooting

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

 **NOTE:** The quantity of photos that can be continuous shot is related with the flash output setting. Please use the battery with enough electric quantity.

10. Reflection Flash

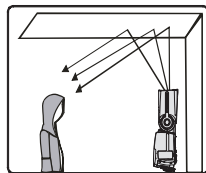
Bounce flash means to take photos by making flash light head aimed at wall or ceiling and using the light reflected back from the ceiling or wall to light the desired object, so that the shade behind the object can be decreased to get more natural shooting effect.



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 for Shooting

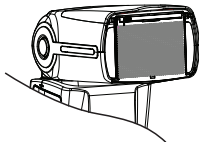
With the Reflection board in flash, pull out the Reflection board and the Wide panel out from the light head at the same time and then push the Wide panel back. In such case, if this product is being used to take photos, it will



produce a highlighted point on the eyes of the subject and thus make the eyes charming (catching light). This function can reach optimal effect when the flasher head is up 90°.

12. Use Wide Panel

Pull out the Wide panel, push back the Reflection board and arrange them as per the figure; in such case, the flash scopes will extent to 14 mm ,the flash range will be enlarged and the effect will be softer and more natural.



VIII. Specifications

Circuit design	Insulated Gate Bipolar Transistor (IGBT)
Guide No.	60 (ISO 100, 200mm)
Flash mode	TTL,M, Multi,GR
Trigger mode	Set-top,wireless master mode,wireless slave mode, Sc,Sn ,S1,S2
Zoom range	20,24,28,35,50,70,80,105,135,200mm
Vertical rotation angle	-7~90 degrees
Horizontal rotation angle	0~360 degrees
Power supply	4×AAsize batteries (Alkaline or Ni-MH are usable)
Lighting times	100~1500 times (AA alkaline cell used)
Recycle time	Approx 3s (AA alkaline cell used)
Color temperature	5600k
Flash time	1/200s~1/20000s
Flash control	8 levels of output control (1/128~1/1), 29 levels of fine tuning
External interface	hot shoe, PC port
Wireless triggering distance	photosensitive flashing range 20~25m indoor, 10~15m outdoor
Optical transmission triggering distance	up to 100m
Additional features	master flash,High-speed sync,second-curtain sync, FEC, FEB, FEV, the electronic flash head zooming, sound prompt,automatically saving setting, PC port, power saving mode, overheat protection,advanced options setting
Dimensions	62×78×214mm (Extended state)
Net weight	430g
Contains items	Speedlite(1),protecting bag (1),mini stand(1) ,manual (1)

Specifications

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

Flash Output	Flash Coverage (mm)						
	14	20	24	28	35	50	70
1/1	49.2	85.3	91.9	98.4	127.9	137.8	164
1/2	34.8	60.4	65	69.6	90.7	97.4	116.1
1/4	24.6	42.7	45.9	49.2	64	68.9	82
1/8	17.4	30.2	32.5	34.8	45.2	48.6	58.1
1/16	12.5	21.3	23	24.6	32	34.4	41
1/32	8.9	15.1	16.1	17.4	22.7	24.3	28.9
1/64	6.2	10.8	11.5	12.5	16	17.4	20.7
1/128	4.3	7.5	8.2	8.9	11.4	12.1	14.4

Flash Output	Flash Coverage (mm)			
	80	105	135	200
1/1	173.9	190.3	193.6	196.9
1/2	123	134.5	136.8	139.1
1/4	86.9	95.1	96.8	98.4
1/8	61.4	67.3	68.6	69.6
1/16	43.6	47.6	48.6	49.2
1/32	30.8	33.8	34.1	34.8
1/64	21.7	24	24.3	24.6
1/128	15.4	16.7	17.1	17.4

IX. Troubleshooting Guide

1. Power does not turn on or the flash does not fire.

Make sure that the batteries are installed in the correct orientation. Even when using external power, insert batteries into the Speedlite. If the electrical contacts of the Speedlite and camera are dirty, clean the contacts.

2. 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.

3. Precaution for outdoor use of umbrella: The 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.

4. 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.

5. 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 20~200 mm of the medium format system. You can try to pull out the wide-angle diffuser to expand the flash range.

6. The radio slave unit does not fire.

Set the master unit to **<☺>** **< MASTER >** and set the slave unit to **<☺>** and **< SLAVE >**. Set the transmission channel and radio IDs of the master unit and slave unit to the same numbers. Check that the slave unit is within the transmission range of the master unit.

7. The optical slave unit does not fire.

Set the master unit to **<☀>** **< MASTER >** and set the slave unit to **<☀>** and **< SLAVE >**. Set the transmission channel and radio IDs of the master unit and slave unit to the same numbers. Check that the slave unit is within the transmission range of the master unit.

Troubleshooting Guide

8. 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.

The electronic version manual can be downloaded from:
<http://www.yongnuo.com.cn/usermanual/downloadIndex.htm>;

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