

Godox 神牛

AD360II-C

WITSTRO⁺ 威客

TTL机顶外拍两用闪光灯
TTL Powerful & Portable Flash

For Canon



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说明手册 / INSTRUCTION MANUAL

前言

请先仔细阅读本手册，以确保您能安全使用。
请保存好本手册以备将来查询参考。

感谢您购买神牛产品。

AD360II-C闪光灯是一款TTL大功率机顶外拍两用闪光灯，采用内置神牛2.4G无线X系统，相机机顶使用时适用于佳能EOS系列相机，无线离机使用时适用神牛X系统(佳能、尼康等可以同时使用)，为国内首款无线全系统兼容产品；同时，它还可以跟神牛TTL机顶灯、TTL外拍灯、TTL影室灯利用TTL主从属功能组合使用。使用AD360II-C闪光灯，您将获得更简单的拍摄体验，在光线变化复杂的情况下，可以自动获得准确的闪光曝光，拍摄轻松自如。

威客闪光系统是由一个“裸灯”威客闪光灯、外接电源盒、无线功率遥控触发器、各种光效附件组成的便携闪光解决方案。AD360II-C威客闪光灯，机身与普通机顶灯相仿，但功率却增加了4-6倍，单支AD360II-C甚至可压太阳光，外露灯管和标罩反光罩为户外拍摄和实景拍摄提供了良好的光质。AD360II-C是离机闪光中的绝对主力，便携与高效光质兼具，实为自由商业摄影师、新闻记者、发烧友、摄影爱好者、婚纱纪实摄影师等的理想光源。

产品有以下亮点：

- 无线TTL系统全面兼容：**采用内置神牛2.4G无线X系统，可支持佳能E-TTL II、尼康i-TTL等TTL自动闪光系统；可作为无线多灯闪光系统的主控或从属单元，拍摄简单快捷
- 点阵液晶屏：**显示直观，操作更加简易
- 内置2.4G无线传输：**收发一体，使用TTL无线引闪器X1C，传输距离可达100米，创意无限。
- 影棚光质：**功率高达360Ws，闪光指数GN80(m ISO 100，使用AD-S2标准反光罩)。
- 小巧便携：**灯管插拔式，携带无忧。同时携带电源盒及附件，也非常便携轻松
- 专业电源：**外接锂电池盒(PB960:10.8V/5800mAh)，0.05-4.5s回电，全光450次闪光
- 无线操控：**内置使用神牛2.4G 无线X系统，可实现TTL控制，外置可使用神牛FT-16遥控器，可无线控制闪光灯功率大小等，并同步触发引闪；同时留有3.5mm同步插孔和PC端口，可实现多种同步触发方式
- 附件齐全：**卡口采用神牛AD360卡口，10种以上光效附件组合轻巧便携，丰富实用
- 调光精准：**功率调节范围大(1/1-1/128)，22级精确微调，光效把握更随心
- 色温恒定：**色温全程保持在5600±200K范围内
- 高级功能：**支持1/8000秒高速同步，高速频闪，手动辅助对焦，高速遥控器同步触发等

！警告

- ▲ 请保持干燥。
- ▲ 请勿私自拆卸产品，如产品出现故障须由本公司或授权的维修人员进行检查维修。
- ▲ 请勿让儿童接触本产品。
- ▲ 禁止拆卸、撞击、挤压或投入火中，若出现严重鼓胀，请勿继续使用。
- ▲ 请勿放置在超过50度的高温环境中。
- ▲ 请勿将闪光灯头正对人眼闪光(特别是婴儿的眼睛)，否则可能会在短时间内造成视力障碍。
- ▲ 请勿在化学品、可燃性气体或其他特殊物质附近使用闪光灯，这些物质在特殊情况下可能对闪光灯发出的瞬间强光敏感，有可能导致火灾或电磁干扰。在这些场合下，请注意相关警告标识。
- ▲ 本产品不能防水，在雨天及潮湿环境下请注意防水。
- ▲ 若发生任何故障，请立即关闭闪光灯电源。

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本说明书中使用的约定

- 此使用说明书中的操作步骤假定相机和闪光灯的电源开关已开启。
- 参考页码由(第**页)表示。
- 此使用说明书中使用以下警告符号：

 该“小心”符号表示避免出现拍摄问题的警告。

 该“注意”符号提供补充信息。

部件名称

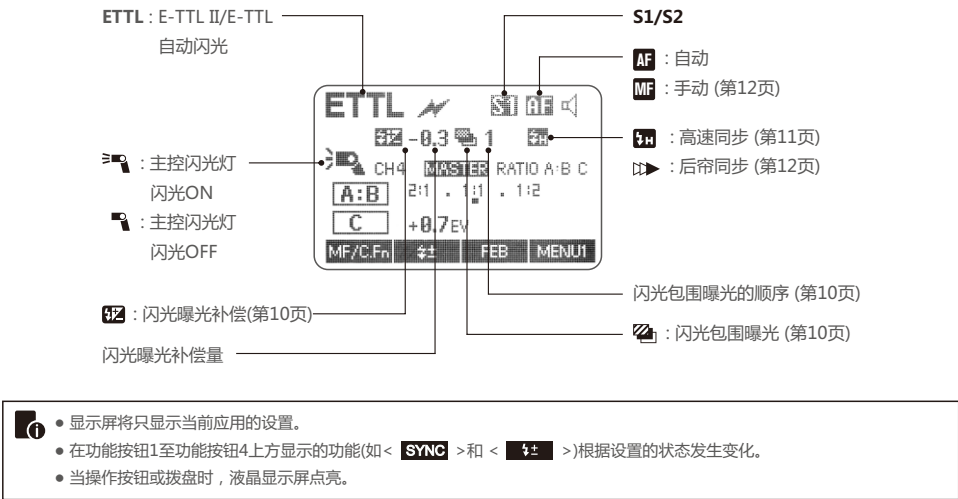
机身：



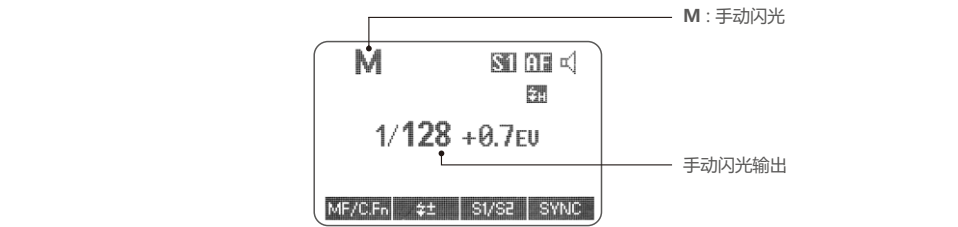
部件名称

LCD液晶显示屏

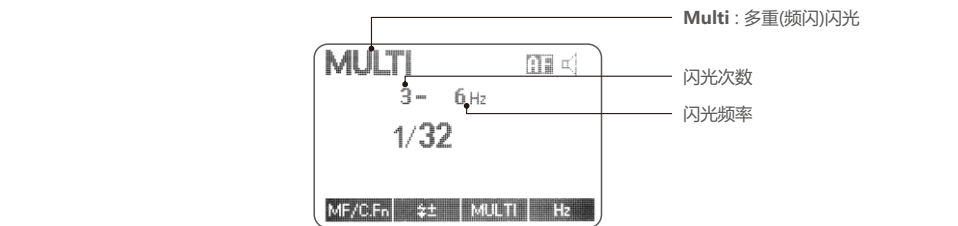
(1)E-TTL自动闪光



(2)M手动闪光



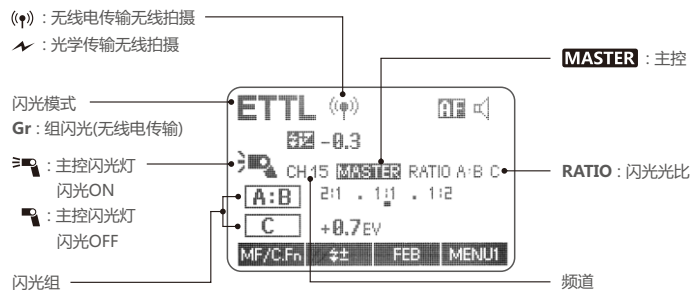
(3)Multi频闪闪光



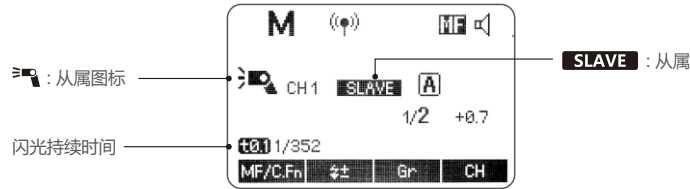
部件名称

(4)无线电传输拍摄/光学传输无线拍摄

• 主控单元

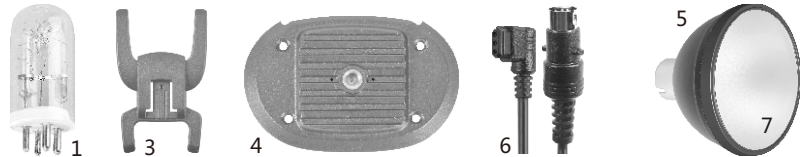


• 从属单元



所配附件

- 1、灯管 2、保护袋 3、微型底座 4、离机底座 5、反光罩 6、电源线 7、柔光片 8、说明书



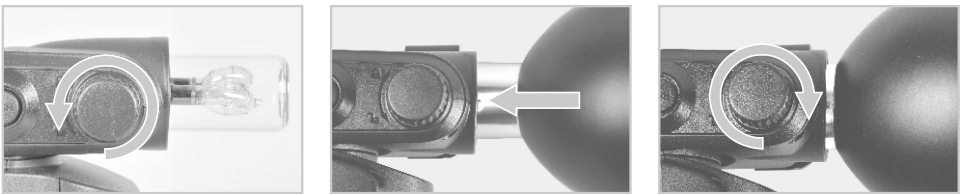
可选购附件

可搭配本公司以下摄影附件使用，以获得最佳的拍摄效果和使用体验：
X1C引闪器、FT-16遥控器、柔光箱、雷达罩、折叠柔光伞、束光筒、灯架等。



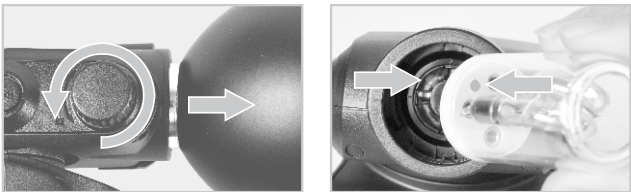
部件名称

如何装卸反光罩(或附件)



- 1、卡口固定旋钮逆时针旋转扭松。
2、反光罩插入附件卡口。
3、卡口固定旋钮顺时针旋转扭紧。

如何装卸闪光灯管



- 1、卸下反光罩或者其他附件。
2、将闪光灯管的红点标志对准闪光灯插座的红点标志，插入闪光灯。

如何跟电源盒连接

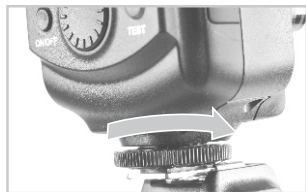


- 1、连接前，电源盒必须处于关闭状态。
2、电源线一端插入AD360II-C的电源插座，另一端插入电源盒的输出插座。
3、按下电源盒的电源按键，AD360II-C开始工作。

⚠ 由于AD360II-C自身无法供电，所以必须选购神牛电源盒PB960。
具体的电源盒使用方法，请查阅相关说明书。

部件名称

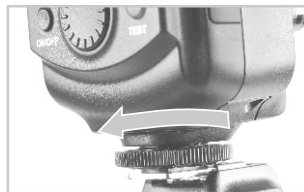
把闪光灯安装到相机上



1. 旋松固定座上的旋钮。



2. 滑动闪光灯固定座使其完全插入相机的热靴插座。



3. 将固定座上的旋钮旋紧直至闪光灯完全固定。

如何更换闪光灯离机底座

标配的离机底座配有1/4"支架安装孔，可以搭配威客附件AD-S13手持伸缩杆，AD-S16地灯架，各式灯架，方便离机闪光使用，不需要使用其他闪光灯转接座。



1. 用螺丝刀(本产品不配)将AD360II-C底部的四个螺丝拧松，小心取下机身底部的部件。



2. 将离机底座安装在AD360II-C底部。

3. 用螺丝刀固定好螺丝，底座更换完毕。



电源管理

*ON/OFF按钮控制该产品的打开和关闭，长时间不使用时请关闭电源。本产品设计有电源自动关闭功能。在长时间(约1小时)无人操作时，闪光灯会自动关闭。

C.Fn 离机使用时，建议通过自定义功能使“自动关闭电源”无效。(C.Fn-APO 第26页)

闪光模式——E-TTL自动闪光模式

该闪光灯有**E-TTL**自动闪光，**M**手动闪光，**Multi**频闪闪光三种模式。在**ETTL**模式下，相机的测光系统会侦查从主体反射回来的闪光照明，从而自动调节闪光输出量，使主体和背景得到均衡曝光。支持曝光补偿、曝光包围、高速同步、第二帘快门同步、曝光锁定、光圈预览造影闪光、佳能相机菜单访问等功能。

* 按下< **MODE** >模式选择按钮，三种闪光模式将会依次出现在液晶屏上。

E-TTL模式

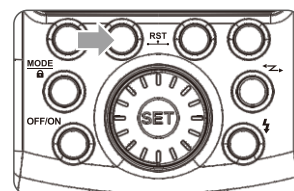
通过按< **MODE** >模式选择按钮，将闪光灯设置为< **ETTL** >，可以使闪光灯进入ETTL模式。

- 半按相机快门按钮进行对焦，光圈值会显示在显示屏上。
- 在快门释放前的瞬间进行一次预闪，闪光灯接收相机信息进行主闪光。

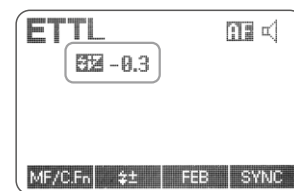
闪光曝光补偿

该闪光灯可以在 ± 3 档间以1/3档为增量调节闪光曝光补偿。由于环境的需求而需要微调TTL系统时，这个功能非常有用。

设置闪光曝光补偿：

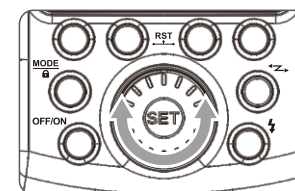


1 按下功能按钮2< **+/-** >，令屏幕显示< **1/3** >图标，并且闪光曝光补偿量被突出显示。



2 设置闪光曝光补偿量。

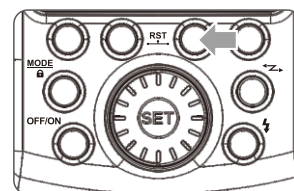
- 转动调节旋钮设置曝光补偿量。
- “0.3”表示1/3档，“0.7”表示2/3档。
- 要取消闪光曝光补偿，将闪光曝光补偿量设为“+0”。



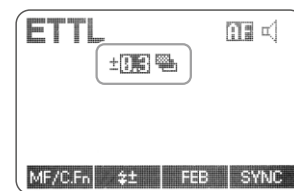
3 按下< **SET** >设置按钮，确定闪光曝光补偿。

FEB(闪光包围曝光)

每次拍摄都在 ± 3 档间以1/3档为增量自动更改闪光输出，称之为FEB(闪光包围曝光)。使用该功能，相机将记录三张不同闪光输出(正确曝光、曝光不足、曝光过度)的照片。在拍摄移动主体，或是拍摄场景中灯光效果较复杂情况下，使用该功能可获得合适的曝光。

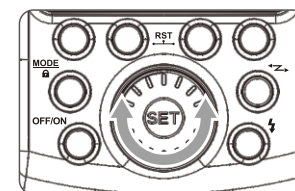


1 按下功能按钮3< **FEB** >，令屏幕显示< **FEB** >图标，并且**FEB**水平显示被突出显示。



2 设置闪光包围曝光量。

- 转动调节旋钮设置包围曝光量。
- “0.3”表示1/3档，“0.7”表示2/3档。



3 按下< **SET** >设置按钮，确定**FEB**(闪光包围曝光)。屏幕显示跳转到闪光曝光补偿和闪光包围曝光数值显示。

闪光模式——E-TTL自动闪光模式

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- 3次拍摄全部完成后，闪光包围曝光将被自动取消。
- 对于闪光包围曝光，将相机的驱动模式设为“单拍”，并在拍摄前确保闪光灯准备就绪。
- 还可以结合闪光包围曝光和闪光曝光补偿以及闪光曝光锁定一起使用。

C.Fn 您可以防止进行3次拍摄后闪光包围曝光被自动取消。(C.Fn-FEB ACL 第26页)

C.Fn 闪光包围曝光拍摄顺序可以在自定义功能界面进行修改。(C.Fn-FEB 第26页)

FEL: 闪光曝光锁定

使用FEL(闪光曝光)锁定，您可以为场景的任何部分锁定正确的闪光曝光设置。
液晶显示屏上显示<ETTL>时，按下相机的<FEL>按钮。如果相机没有<FEL>按钮，按下<*>按钮。

1

对被摄体对焦。

2

按下<FEL>按钮。

- 将取景器中央对准被摄体，然后按下<FEL>按钮。
- 闪光灯将会进行预闪，并将被摄体所需的闪光输出保留在内存中。
- 每次按下<FEL>按钮时，闪光灯将进行预闪并锁定新的闪光曝光设置。

i

- 如果被摄体太远，将导致曝光不足，<⚡>图标将在取景器中闪烁。请靠近被摄体然后再次尝试闪光曝光锁定。
- 如果液晶显示屏上不显示<ETTL>，将不能设置闪光曝光锁定。
- 如果被摄体太小，闪光曝光锁定效果可能不太好。

高速同步

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。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。

1

按下功能按钮4<SYNC>，令屏幕显示<H>图标。

2

检查取景器中，<H>图标是否显示。

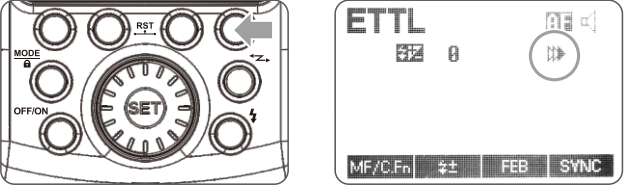
i

- 如果设置快门速度等于或慢于相机的最大闪光同步速度，取景器中将不显示<H>。
- 使用高速同步，快门速度越高，有效的闪光范围就越小。
- 要恢复普通闪光，再次按下<SYNC>按钮。<H>图标会消失。
- 无法设置频闪闪光。
- 连续高速同步闪光30次后，闪光灯热保护功能可能会被激活。

闪光模式——E-TTL自动闪光模式

第二帘快门同步

使用慢速快门，您可以在被摄体后创建一条光线轨迹。在快门关闭前的瞬间闪光灯闪光。
按下功能按钮4<SYNC>，令屏幕显示<H>图标。



闪光模式——M: 手动闪光

您可以在1/128功率至1/1全功率间以1/3档为增量设置闪光输出。
为获得正确的闪光曝光，请使用手持的闪光测光表确定所需的闪光输出。

1

按<MODE>模式选择按钮，屏幕显示<M>。

2

转动调节旋钮设置闪光输出功率。

3

按下<SET>设置按钮，确定闪光曝光补偿。

显示闪光输出

拍摄过程中更改闪光输出时，下表将清楚地显示光圈值是如何更改的，如1/2-0.3→1/2+0.3。您可以在增加或减少闪光输出时查看光圈值的更改规律。
例如，将闪光输出量减少至1/2、1/2-0.3或1/2-0.7，然后再将其增加至大于1/2、1/2+0.3、1/2+0.7时，将显示1/1。

减少闪光输出指数→							
1/1	1/1-0.3	1/1-0.7	1/2	1/2-0.3	1/2-0.7	1/4	
	1/2+0.7	1/2+0.3		1/4+0.7	1/4+0.3		

←增加闪光输出指数

闪光模式——M: 手动闪光

S1光控单元设置

在M手动闪光模式下，按<S1/S2>可以使用S1功能，闪光灯可作为副灯使用，创造多种照明效果，适用于手动闪光环境。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。

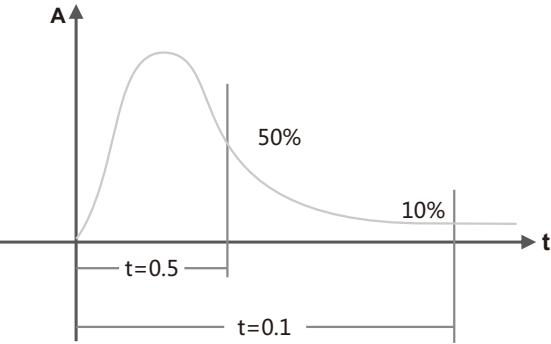
S2光控单元设置

在M手动闪光模式下，按<S1/S2>可以使用S2功能，闪光灯可作为副灯使用，适用于TTL闪光环境。具有防预闪功能，使用带一次预闪功能的相机能用光控实现同步拍摄。它会与主闪光灯的第二次闪光同步触发闪光，即2次光控引闪。

● 只有在M模式下才支持S1/S2光控引闪模式。

显示闪光持续时间

闪光持续时间是指闪光灯从开始发光到达发光半峰值的时间长度。半峰值的表示为t=0.5。为了给摄影师提供更详细的拍摄数值，本产品采用t=0.1。如下图：t=0.5与t=0.1区别。

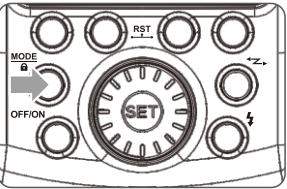


在M/Multi模式无高速 时，将会显示持续时间：

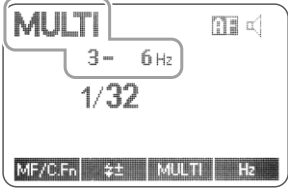


闪光模式——Multi: 频闪闪光

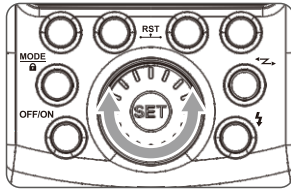
使用频闪闪光，可以发出一系列快速的闪光。它可以在一张照片上拍摄移动物体的多个图像。您可以设置闪光频率(每秒的闪光次数，以Hz表示)、闪光次数和闪光输出。



1 按<MODE>闪光模式选择按钮，屏幕显示<MULTI>。



2 设置闪光频率和闪光次数。
● 按功能按钮3<MULTI>选择闪光次数，旋转调节旋钮设定数字。
● 按功能按钮4<Hz>选择闪光频率，旋转调节旋钮设定数字。



3 转动调节旋钮设置闪光输出功率。按下<SET>设置按钮确定，所有设置都将显示出来。

计算快门速度

在频闪闪光过程中，到闪光停止为止快门应保持开启状态。使用下面的公式计算快门速度，然后用相机进行设置。

闪光次数/闪光频率 = 快门速度

例如，如果闪光次数是10，闪光频率是5Hz，快门速度则至少为2秒。

⚠ 为防止闪光灯过热并损坏，请勿执行连续10次以上的频闪闪光连拍。闪光10次后，请让闪光灯至少冷却15分钟。如果您试图执行连续10次以上的频闪闪光连拍，为防止闪光灯过热，闪光可能自动停止。如果发生了这种情况，请让闪光灯至少冷却15分钟。

- 反光很强的被摄体在暗背景前使用频闪闪光更加有效。
- 推荐使用三脚架和遥控开关。
- 闪光输出为1/1和1/2时不能设置频闪闪光。
- 频闪闪光时也可以使用“bulb”。
- 如果闪光次数显示为--，则闪光灯会连续闪光，直到快门或电池耗尽。如下表所示，闪光次数将受到限制。

最大频闪闪光次数

闪光输出 \ Hz	1	2	3	4	5	6-7	8-9	10	11	12-14	15-19	20-50	60-199
1/4	7	6	5	4	4	3	3	2	2	2	2	2	2
1/8	14	14	12	10	8	6	5	4	4	4	4	4	4
1/16	30	30	30	20	20	20	10	8	8	8	8	8	8
1/32	60	60	60	50	50	40	30	20	20	20	18	16	12
1/64	90	90	90	80	80	70	60	50	40	40	35	30	20
1/128	100	100	100	100	100	90	80	70	70	60	50	40	40

如果闪光次数显示为--，则不论闪光频率是多少，最大的闪光次数如下表所示。

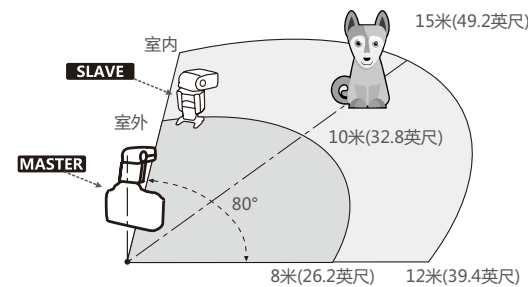
闪光输出	1/4	1/8	1/16	1/32	1/64	1/128
闪光次数	2	4	8	12	20	40

无线闪光拍摄：光学传输

该产品支持无线闪光功能，具有主控闪光和从属闪光功能。作为主控单元，可以引闪580EXII、600EX-RT等闪光灯。作为从属单元，可接收580EXII、600EX-RT闪光灯无线信号、7D/60D/600D内闪指令，从而实现无线闪光。

- 通过此款产品，支持创建两个或三个从属单元组，并实现E-TTL II自动闪光。您可以通过E-TTL II自动闪光轻松获取多种照明效果。
- 使用主控单元设置的任何闪光曝光补偿量、高速同步(FP闪光)、闪光曝光锁定、闪光包围曝光量、手动闪光和频闪闪光设置都会被自动传输到从属单元。因此，在拍摄时无需操作从属单元。只需将主控单元设置为ETTL模式，令屏幕显示<ETTL>。
- 将此产品设置为主控单元时，可以在ETTL/M/Multi三种闪光模式下工作。

主控单元/从属单元设置位置和范围

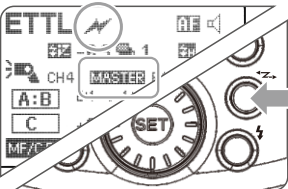


- 即使有多个从属单元，主控单元也可通过无线控制所有的闪光灯。
- 本说明手册中，“主控单元”指安装在相机上的闪光灯，“从属单元”指通过无线控制的闪光灯。

1、无线设置

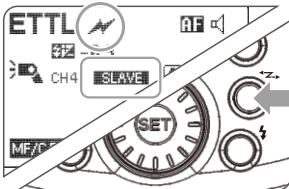
您可以在普通闪光和无线闪光之间切换。对于普通闪光，请务必将无线设置为“关”。

主控单元设置



按下<无线设置>按钮，令屏幕显示<无线>和<MASTER>。

从属单元设置

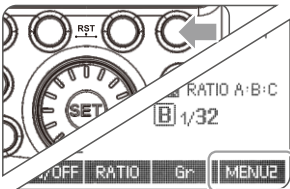


按下<无线设置>按钮，令屏幕显示<无线>和<SLAVE>。

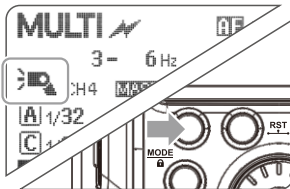
无线闪光拍摄：光学传输

2、主控单元禁用

在禁用主控单元闪光模式下，只有从属单元的闪光灯闪光。



1 按下功能按钮4以显示<MENU2>。

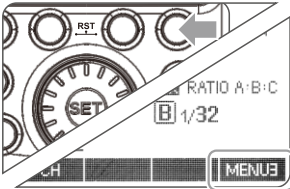


2 按功能按钮1<ON/OFF>，控制主控单元的打开与关闭。
<无线>：主控闪光灯闪光ON
<无线>：主控闪光灯闪光OFF

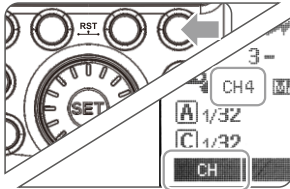
- 即使使用禁用主控单元的闪光灯闪光，它仍然会进行预闪以传输无线信号。

3、设置通讯频道

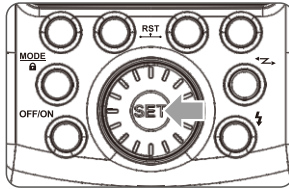
如果在拍摄现场不止一个无线闪光系统，您可以通过更改通讯频道来防止信号干扰。保证主控单元和从属单元设置为相同的频道编号即可。



1 按下功能按钮4以显示<MENU3>。



2 按下功能按钮1<CH>，旋转调节旋钮从1至4中选择频道。



3 按下<SET>设置按钮确定。

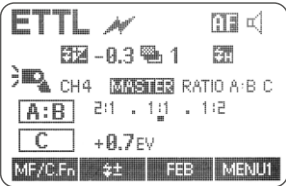
4、无线ID设置

为了避免信号干扰，除了改变无线通讯频道还可以通过改变无线ID来防止干扰；主控单元和从属单元设为相同的频道和无线ID即可。

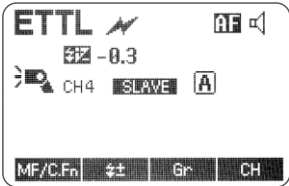
进入C.Fn ID,选择01-99其中任意一数无线ID打开，选OFF无线ID关闭。

5、ETTL: 全自动无线闪光拍摄

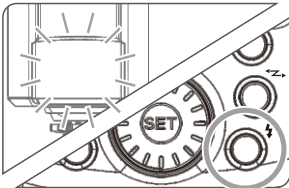
使用一个从属单元的自动闪光拍摄



- 1 设置主控单元。
- 将安装在相机上的AD360II-C设为主控单元。(第15页)
 - AD360II-C作为主控单元，可以引闪580EXII、600EX-RT等闪光灯。



- 2 设置从属单元。
- 将要被无线控制AD360II-C设为从属单元。(第15页)
 - AD360II-C作为从属单元，可以接收580EXII、600EX-RT等闪光灯无线信号、7D/60D/600D等内闪指令，从而实现无线闪光。



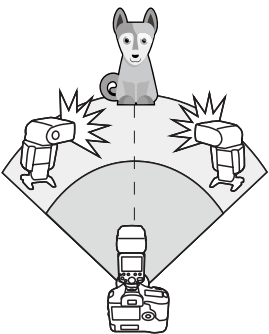
- 3 检查传输频道。
- 将主控单元和从属单元的频道设为一致。(第16页)
- 4 定位相机和闪光灯。
- 将其定位在(第15页)所示的范围内。

- 5 将闪光模式设为<ETTL>。
- 按下主控单元上的<MODE>按钮，令屏幕显示<ETTL>。
 - 在经由主控单元控制的拍摄期间，从属单元自动设为<ETTL>。
 - 为了让主控单元也闪光，将主控闪光灯闪光设为ON。(第16页)

- 6 检查闪光灯是否准备就绪。
- 检查主控闪光灯就绪指示灯点亮。
 - 当从属闪光灯就绪时，自动对焦辅助光发光区域以1秒间隔闪烁。

- 7 检查操作。
- 按下主控闪光灯的试闪按钮<⚡>。
 - 从属单元闪光。如果从属单元不闪光，检查是否将其放置在操作范围内。

使用多个从属单元的自动闪光拍摄



当需要更大的闪光输出或想要更加轻松地进行照明时，可以增加从属单元的数量并将其作为单个闪光灯闪光。

要添加从属单元，使用与“使用一个从属单元的自动闪光拍摄”相同的步骤，可以设定任何闪光组(A/B/C)。

当增加了从属单元的数量或主控闪光灯闪光设为ON时，执行自动控制以使所有闪光灯以相同的闪光输出闪光并确保总闪光输出能够达到标准曝光。

- ⚠ 如果从属单元附近有荧光灯或电脑显示器，这些光源的存在可能会导致从属单元发生故障，并导致其意外闪光。
- 📌
- 可以按相机上的景深预览按钮进行造型闪光。
 - 如果从属单元的自动关闭电源生效，按主控单元的测试闪光按钮打开从属单元。请注意在相机的测光定时工作期间，无法进行测试闪光。。
 - 可以进行设置以使自动对焦辅助发射器在从属单元回电完毕时不闪烁(C.Fn-AF/第26页)。

使用全自动无线闪光

在主控单元上设定的闪光曝光补偿和其他设置也会在从属单元中自动设定。不需要操作从属单元。可按照与普通闪光拍摄相同的方法使用以下设置进行无线闪光拍摄。

- 闪光曝光补偿(/第10页)
- 闪光包围曝光(/第10页)
- 闪光曝光锁定(第11页)
- 高速同步(/第11页)
- 手动闪光(第12页)
- 频闪闪光(第14页)

⚠ 可以在1Hz至199Hz之间设定光学无线传输拍摄期间的频闪闪光的闪光频率。

📌 当按功能按钮4时显示< >、< >和< >。

关于主控单元

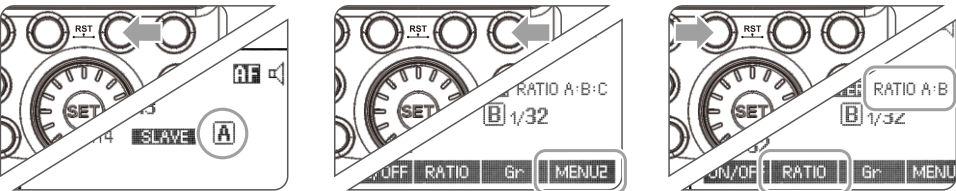
可以使用两个或两个以上主控单元。通过准备多台装有主控单元的相机，可以在保持相同照明(从属单元)期间更换相机进行拍摄。

无线闪光拍摄：光学传输

6、ETTL: 使用闪光光比的无线多重闪光拍摄

用两个从属组进行自动闪光拍摄

可以将从属单元分成两个闪光组A和B并调整拍摄用照明平衡(闪光光比)。自动控制曝光以使闪光组A和B的总闪光输出达到标准曝光。



- 1

设定从属单元的闪光组。

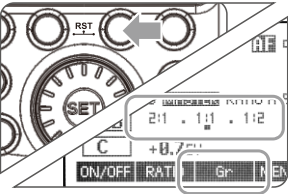
 - 将闪光灯设为从属单元。
 - 按下功能按钮3 < Gr > 并选择 < A > 或 < B >。
 - 将一个单元设为 < A >，将另一个单元设为 < B >。
- 2

设定 < MENU 2 > 显示。

 - 步骤2至4在主机单元上设定。
 - 按下主机单元上的功能按钮4以显示 < MENU 2 >。
- 3

设为 < RATIO A:B >。

 - 按下功能按钮2 < RATIO > 令屏幕显示 < RATIO A:B >。



- 4

设定闪光光比。

 - 按下功能按钮3 < Gr >。
 - 旋转调节旋钮设定闪光光比并按 < SET > 设置按钮确定。

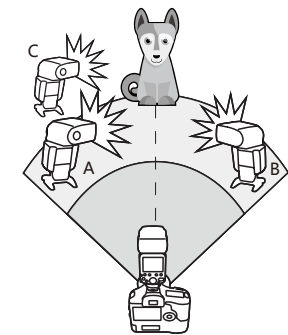
- 5

拍摄照片。

 - 从属单元以设定的闪光光比闪光。

用三个从属组进行自动闪光拍摄

可将闪光组C添加到闪光组A和B。C有助于消除被摄体阴影的照明。基本设定方法与“用两个从属组进行自动闪光拍摄”相同。



- 1

设定从属组别 < C >。

 - 按照前一页步骤1相同的方法设定闪光灯闪光组 < C > 的从属单元。
- 2

设为 < RATIO A:B C >。

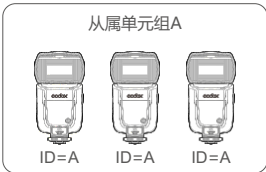
 - 按照前一页步骤2和步骤3的相同方法将主机单元设为 < RATIO A:B C >。
- 3

根据需要设置闪光曝光补偿

 - 按照前一页步骤1相同的方法设定闪光灯闪光组 < C > 的从属单元。
 - 按下功能按钮2 < 4:1 >，旋转调节旋钮设置闪光曝光补偿量并按 < SET > 键确定。

无线闪光拍摄：光学传输

从属单元控制



如果将具有三个从属单元的闪光组设为 < A >，这三个从属单元将被作为从属单元组A的一个闪光灯来控制。

- !

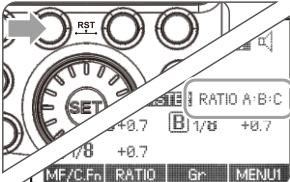
- 要让三个闪光组A、B和C同时闪光，设定 < RATIO A:B C >。在 < RATIO A:B > 设置下，闪光组C不闪光。
 - 如果在闪光组C直接朝向主被摄体的状态下拍摄，可能会导致曝光过度。
 - 在某些支持E-TTL自动闪光的EOS胶卷相机上，不能以闪光光比设置进行多重闪光无线拍摄。

- o

- 当换算为档数时，闪光光比8:1至1:1至1:8相当于3:1至1:1至1:3(1/2档增量)。
 - 闪光光比设置的详细说明如下。
- | | | | | | | |
|-------|-------|-------|-------|-------|-------|-----|
| 8:1 | 4:1 | 2:1 | 1:1 | 1:2 | 1:4 | 1:8 |
| 5.6:1 | 2.8:1 | 1.4:1 | 1:1.4 | 1:2.8 | 1:5.6 | |

7、M:手动无线闪光拍摄

使用手动闪光的无线(多重闪光)拍摄，可以为每个从属单元(闪光组)设定不同的闪光输出进行拍摄。在主机单元上设定所有参数。

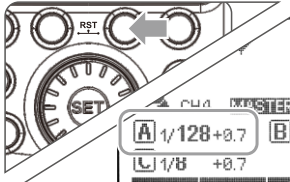


- 1

将闪光模式设为 < M >。
- 2

设定闪光组数量。

 - 显示 < MENU 1 > 期间，按功能按钮2 < RATIO > 并设定要闪光的组。
 - 每次按该按钮，设置变化如下：
ALL(RATIO OFF)→
A/B(RATIO A:B)→
A/B/C(RATIO A:B:C)。



- 3

设置闪光输出

 - 按下功能按钮3 < Gr >，旋转调节旋钮为闪光组设定闪光输出，并按 < SET > 设置按钮确定。
- 4

拍摄照片

 - 各组以设定的闪光光比闪光。

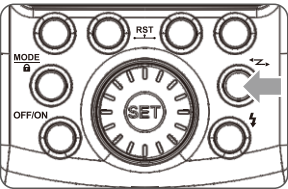
- o

- 当设定ALL < RATIO OFF > 时，将从属单元的闪光组设为A、B或C。
 - 要让多个从属单元以相同的闪光输出闪光时，在步骤2中选择ALL < RATIO OFF >。

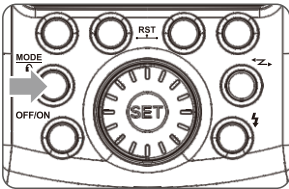
无线闪光拍摄：光学传输

设定<M>闪光模式

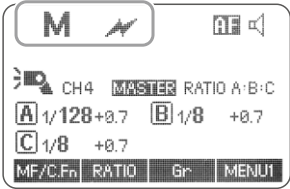
可以直接操作从属单元以手动设定手动闪光或频闪闪光。



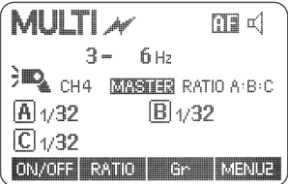
1 设定从属单元。(第15页)



2 设定<M>闪光模式。
• 按下<MODE>模式选择按钮令屏幕显示<M>。
• 设定手动闪光输出。(第12页)



8、Multi:手动无线闪光拍摄



1 设定<MULTI>频闪模式。
• 按下<MODE>模式选择按钮令屏幕显示<MULTI>。
• 设定频闪闪光设置。(第14页)

⚠ 可以在1Hz至199Hz之间设定光学无线传输拍摄期间的频闪闪光的闪光频率。

无线闪光拍摄：无线电(2.4G)传输

使具有无线电传输无线拍摄功能的闪光灯(主控/从属)，可按照与普通E-TTL II自动闪光拍摄同样的方法，轻松利用高级无线多重闪光照明进行拍摄。

基本相对位置和操作范围如图所示，只要将主控单元设定为<ETTL>就可以进行无线E-TTL II自动闪光拍摄。

AD360II-C使用神牛2.4G无线X系统，可以与本厂其他型号完美结合使用。

作为从属单元可兼容佳能E-TTL II系统和尼康i-TTL系统，根据主控单元自动切换，无需手动设置。接收到主控信号显示屏会相应显示“Canon”或者“Nikon”。

尼康相机(使用X1T-N、TT685N等)和佳能相机(使用X1T-C、TT685C等)可同时同地共享一台或多台AD360II-C，无缝结合，无懈可击！

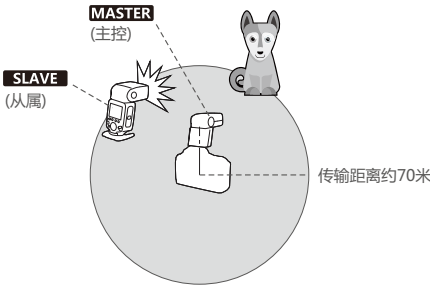


*AD360II-C 作为主控单元，可控制从属单元型号：AD360II-C、AD360II-N、TT685C、X1R-C、TT600

*AD360II-C 作为从属单元，可受控主控单元型号：AD360II-C、AD360II-N、TT685C、TT685N、X1T-C、X1T-N、TT600

定位和操作范围(无线闪光拍摄的示例)

- 使用一个从属单元进行自动闪光拍摄(第17页)



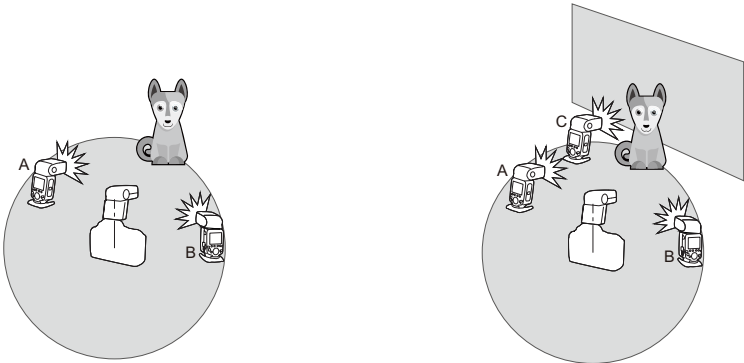
- 6 使用附带的微型支架定位从属单元。
- 开始拍摄前请进行测试闪光和试拍。
- 受从属单元的位置、周围环境、天气状况等影响，传输距离可能更短。

无线闪光拍摄：无线电(2.4G)传输

无线多重闪光拍摄

可以将从属单元分割为两个或三个组并在改变闪光光比(倍率)的同时进行E-TTL II/E-TTL自动闪光拍摄。此外，可以为各闪光组(最多5个组)设定并用不同的闪光模式拍摄。

- 用两个从属组进行自动闪光拍摄。(第19页)
- 用三个从属组进行自动闪光拍摄。(第19页)



无线电传输比光学传输的拍摄具有优势，距离更远，耗电更少，受障碍物的影响更小。无线电传输和光学传输的差异：

功能	无线电传输	光学传输
传输距离	70m	Master(发射)约3m；Slave(接收)约15m
频道	1~32	1~4
A/B/C功率	OFF，1/128~1/1	1/128~1/1
受干扰程度	难	易

⚠ 神牛2.4G无线漏闪的原因及解决办法：

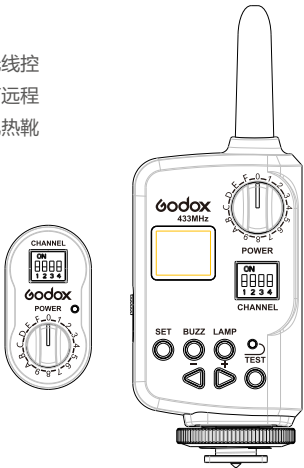
- 1、外部环境2.4G信号干扰(如无线基站、2.4G wifi路由、蓝牙设备等)**
→ 请调节引闪器的频道CH设置(建议+10)，找到无干扰的频道来工作，或者在工作时关闭其他2.4G设备。
- 2、请确认闪光灯是否已经回电或者回电速度是否已经跟上连拍速度(闪光灯就绪指示灯已经亮起)，并且没有处于过热保护或者其他异常状态中**
→ 请下调闪光灯功率的档位，如是TTL模式请尝试改为M模式(TTL模式下需要预闪一次)。
- 3、是否引闪器和闪光灯距离太近(距离<0.5m)**
→ 请在引闪器上打开“近距离无线模式”：
X1系列：按住引闪按钮不放，然后开机，直至指示灯闪2次。
Xpro系列：设置C.Fn-DIST为0~30m。
- 4、是否引闪器和接收端设备在低电状态**
→ 请更换电池(引闪器电池建议使用1.5V一次性碱性电池)。

其他应用

外置无线控制功能

闪光灯内置无线控制插座，配合特定遥控器使用，您可以实现对闪光灯的无线控制。将FT系列遥控器的接收端插入无线控制插座，手持遥控器发射端，即可远程控制闪光灯的功率开关和大小、闪光灯触发等。您也可以将发射端置于相机热靴上，通过相机快门来进行同步引闪。

- 更多遥控器的使用方法，请查阅FT系列遥控器的说明书。



造型闪光

如果相机有景深预视按钮，按下该按钮将会进行1秒钟的连续闪光，这种现象称之为造型闪光。您可以通过造型闪光查看被摄体上的光影效果及照明平衡，不管是无线拍摄还是普通闪光拍摄，都可以进行造型闪光。

- ⚠ ● 请勿连续触发10次以上造型闪光。如果连续进行10次造型闪光，请让闪光灯至少冷却10分钟，以防止闪光灯头过热或损坏。
- EOS 300和B型相机不支持造型闪光。

自动辅助对焦灯

在低亮度或低对比度的拍摄情况下，闪光灯内置的自动对焦辅助灯将开启，使自动对焦更容易。当对焦困难时，红色辅助对焦灯亮起；当对焦准确，辅助对焦灯自动熄灭。

如想关闭自动辅助对焦功能，在C.Fn设置“AF”至“OFF”。

- 用户在使用时，如发现辅助对焦灯未亮起，是因为相机已经处于准确对焦状态。

位置	有效范围
中央	0.6~10米 / 2.0~32.8英尺
边缘	0.6~5米 / 2.0~16.4英尺

对焦灯设置

该闪光灯有两种点亮对焦灯方式：自动(AF)和手动(MF)。通过功能按钮1(MF/C.Fn)选择。

自动(AF)：相机控制点亮对焦灯。

手动(MF)：手动打开点亮对焦灯。

关闭对焦灯：C.Fn菜单“AF”设置为OFF，将一直关闭对焦灯。

其他应用

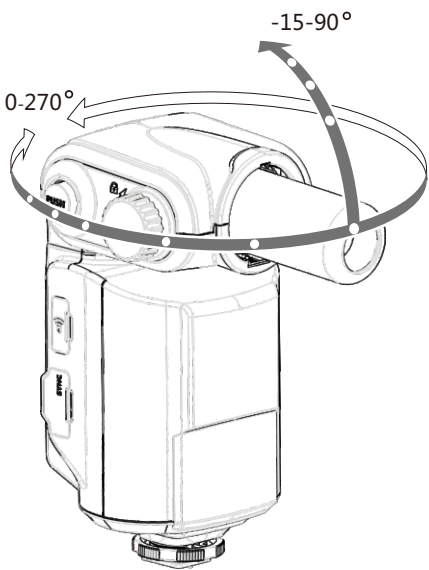
反射闪光

通过将闪光灯头指向墙壁或天花板，闪光在照亮被摄体前被墙面反射。这可以减轻被摄物体背后的阴影，获得更自然的摄影效果。称之为反射闪光。

旋转闪光灯头来设置反射方向。

- 1

 - 如果墙壁或天花板太远，反射闪光可能太弱并导致曝光不足。
 - 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，照片将出现偏色。



同步插孔触发

同步插孔规格为Φ3.5mm，此处可插入同步线或者触发器触发插头对闪光灯进行同步引闪。

PC端口同步触发

用连闪线将相机与AD360II-C的PC插孔连接，可实现闪光灯与快门同步触发闪光。

C.Fn: 设置自定义功能

请对照以下图表本机应用栏，使用自定义功能来完成设置。

自定义 功能符号	功能	设置符号	设置和说明	对应相机 C.Fn编号
APO	自动关闭电源	ON	启动	C.Fn-01
		OFF	关闭	
FEB ACL	闪光包围曝光	ON	启动	C.Fn-03
	自动取消	OFF	关闭	
FEB	闪光包围曝光顺序	0 → - → +		C.Fn-04
		- → 0 → +		
AF	自动对焦辅助光闪光	ON	启动	C.Fn-08
		OFF	关闭	
BEEP	蜂鸣器	ON	启动	C.Fn-20
		OFF	关闭	
LIGHT	背光点亮时间	12sec	12秒后自动熄灭	C.Fn-22
		OFF	一直熄灭	
		ON	一直点亮	
LCD	液晶屏对比度	0~9	10个级别	
ID	无线ID	OFF	关闭	
		01-99	选择01-99任意一个数字打开	
Sv LED	无线LED提示灯	OFF	关闭	
		ON	打开	

1. 长按 < MF/C.Fn > 按钮2秒或更长，直到显示C.Fn菜单。右上角 “Ver x.x” 表示软件版本号。
2. 选择自定义功能符号。
旋转调节旋钮设置自定义功能符号。
3. 更改设置。
 - 按 < SET > 设置按钮，自定义功能编号闪烁。
 - 旋转调节旋钮设置想要的编号，按 < SET > 按钮确定。
 - 设置自定义功能后按下 < MODE > 模式选择按钮，相机可以进行拍摄。
4. 在C.Fn状态下，长按 “Clear” 按钮2秒直至出现 “OK”，表示重置C.Fn的参数。

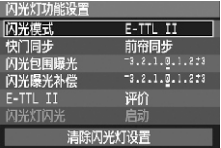
用相机菜单控制闪光灯

将闪光灯安装在EOS相机上，可以通过相机控制闪光灯。具体请参照相机使用说明。

- 设置闪光灯说明
根据闪光模式的不同，可设置不同的功能。
 1. 闪光模式
 2. 快门同步
 3. FEB
 4. 闪光曝光补偿
 5. 闪光灯闪光
 6. 清除闪光灯设置
- 闪光灯自定义功能
C.Fn-01, C.Fn-03, C.Fn-04, C.Fn-08, C.Fn-20, C.Fn-22, 共6个。

清除所有闪光灯自定义功能

闪光功能自定义画面



闪光C.Fn设置画面



* 画面为EOS-1D Mark III 的画面。

-
- 如果已经使用闪光灯设置了闪光曝光补偿，则无法用相机设置闪光曝光补偿，要用相机进行设置时，首先将闪光灯的闪光曝光补偿设置为“0”。
 - 如果用相机和闪光灯设置闪光曝光补偿以外的闪光灯自定义功能和闪光灯功能设置，最后所进行的设置将生效。

保护功能

1. 热保护

- 为防止闪光灯头过热并损坏，请勿在 1/1 功率时进行超过 30 次的快速连续闪光。30 次连续闪光后，要让闪光灯至少冷却 10 分钟。
- 如您在进行超过 75 次连续闪光后马上继续进行更多次闪光，内部的防过热功能可能会被激活，使充电时间变为 10 秒以上。如果发生这种现象，请让闪光灯冷却约 10 分钟，闪光灯便会恢复正常。
- 热保护启动后，显示屏上 **U** 的符号会显示。

激活热保护功能的连续闪光次数：

功率	次数
1/1	75
1/2(+0.3,+0.7)	100
1/4(+0.3,+0.7)	150
1/8(+0.3,+0.7)	200
1/16(+0.3,+0.7)	300
1/32(+0.3,+0.7)	500
1/64(+0.3,+0.7)	1000
1/128(+0.3,+0.7)	

高速同步模式下，激活热保护功能的连续闪光次数：

功率	次数
1/1	30
1/2(+0.3,+0.7);	40
1/4(+0.3,+0.7)	50
1/8(+0.3,+0.7);	60
1/16(+0.3,+0.7)	75
1/32(+0.3,+0.7);	
1/64(+0.3,+0.7);	100
1/128(+0.3,+0.7);	

2. 其他保护

- 为了保证设备安全的工作，系统时刻进行预防保护，以下提示符号供您参考：

LCD显示	警示内容
E1	闪光灯回电系统出现问题，无法回电引闪，请重新开机，如无法解决请维修
E2	设备内温度过高，请停止引闪10分钟
E3	闪光灯管两端电压过高，请维修
E9	固件升级有误，请进行正确固件升级

规格参数

型号		AD360II-C	
• 类型			
兼容相机		Canon EOS相机E-TTL II自动闪光(主控单元使用TTL无线引闪器X1C等) Nikon相机i-TTL自动闪光(主控单元使用TTL无线引闪器X1N等)	
闪光指数(1/1档位)		80(m ISO 100，使用AD-S2标准反光罩)。	
上下旋转角度		-15°至90°	
左右旋转角度		0至270°	
闪光持续时间		1/220秒 - 1/10000秒	
• 曝光控制			
曝光控制系统		E-TTL II自动闪光、手动闪光	
闪光曝光补偿(FEC)		手动，闪光包围曝光：在±3档间以1/3档为增量调节(可以组合使用手动闪光曝光补偿和闪光包围曝光)	
闪光曝光锁定(FEL)		使用<FEL>按钮或< * >按钮	
同步方式		高速同步(最高1/8000秒)，前帘同步，后帘同步	
频闪闪光		具备(次数：100次；199Hz)	
• 无线闪光(光学传输和无线电2.4G传输)			
无线功能		主控单元，从属单元，关闭	
可控制从属单元组		3组：A, B, C	
传输范围(约)	光学	Master(发射)约3m； Slave(接收)：室内：12~15米/39.4~49.2英尺；室外：8~10米/26.2~32.8英尺 接收角度：水平±40°，垂直±30°	
		2.4G	70m(AD360II-C发射) 100m(X1C/X1N发射)
	频道		光学
	2.4G	32组：1~32	
造型闪光		使用相机的景深预览按钮进行闪光	
• 自动对焦辅助光			
有效范围(约)		中央：0.6 -10米 / 边缘：0.6-5米	
• 电源			
电源		神牛PB960锂电池盒	
全功率闪光次数		450次(使用电源盒PB960)	
回电时间		约0.05-4.5秒(使用电源盒PB960)	
节能		闪光灯在无人操作1小时将会自动关闭电源。	
• 同步触发方式		热靴，3.5mm同步线，无线控制插座，PC同步插孔	
• 色温		5600±200k	
• 尺寸			
体积		75*95*220mm(不含灯罩)	
净重		800g(不含灯管和反光罩)	

故障排除指南

如果遇到问题，请参阅此故障排除指南。

闪光灯不闪光。

- 闪光灯没有牢固地安装在相机上。
→将闪光灯的固定座牢固地安装在相机上。
- 闪光灯和相机的电子触点变脏。
→请清洁触点。
- <  >图标或<  >图标未出现在相机取景器中。
→请等待闪光灯充电完成，闪光灯准备就绪指示灯亮起。
→如果闪光灯准备就绪指示灯已经亮起，相机取景器中的<  >图标或<  >图标仍未亮起，请检查热靴连接，确保闪光灯可靠地装配在相机热靴上。

闪光曝光不足或过度。

- 照片中存在反光强烈的物体(玻璃窗户等)。
→使用闪光曝光锁定(FEL)。
- 使用高速同步。
→使用高速同步，有效的闪光范围会更小。确保被摄体位于显示  的有效闪光范围内。
- 闪光灯使用手动曝光模式。
→改为ETTL模式或修改闪光输出功率设置。

本机通过USB插座可进行固件升级。软件最新公告及说明将会发布在官方网站上。

 注：本品出厂不配USB升级线，请另行购买。普通的USB线可使用，本产品USB口为Micro USB 接口。

兼容相机列表

本机可兼容以下佳能EOS系列的相机型号：

5D Mark III	5D Mark II	6D	7D
60D	50D	40D	30D
650D			
600D	550D	500D	450D
400D Digital	1100D	1000D	

 注：

1. 此表格仅列举目前已测试的相机型号，未涵盖所有佳能EOS系列相机。其他相机型号，用户可自行测试。
2. 本公司保留未来修改此表格内容的权利。

维护保养

- 闪光灯在工作时，如发现异常，应立即关掉电源，查明原因。
- 灯体应避免震动，平时注意表面除尘。
- 灯体稍有发热为正常现象，无特别需要时，勿连续引闪。
- 闪光灯的所有维修概由本厂指定可供原厂配件之维修部负责。
- 1年保修，消耗品如灯管等，不在1年保修范围。
- 经发现，擅自检修此闪光灯的，将取消闪光灯之一年保修期，维修需要收取相关费用。
- 如果本品出现故障或者被水淋湿，在专业人员维修后方可继续使用。
- 如有技术更改，恕不另行通知。

Foreword

Before using this product

Please read this user manual carefully in order to ensure your safety and the proper operation of this product. Keep for future reference.

Thank you for purchasing a GODOX product.

WITSTRO TTL Powerful & Portable Flash AD360II-C adopts Godox 2.4G wireless X system. When using on the camera, AD360II-C is suitable for Canon EOS cameras; when using Godox 2.4G wireless X system off camera, AD360II-C is compatible with Canon E-TTL II autoflash, Nikon i-TTL autoflash, etc. With master & slave functions, AD360II-C can also use in combination with Godox TTL camera flashes, TTL outdoor flashes, TTL studio flashes, etc. With this AD360II-C flash, your shooting will become simpler. You can easily achieve a correct flash exposure even in complex light-changing environments.

WITSTRO AD360II-C flash system is an AD360II-C flash with a bare tube, external power pack, wireless manual power control, and a range of dedicated light shaping accessories. AD360II-C is 5 to 7 times powerful as typical hotshoe flashes with the size and weight alike. It offers studio quality light for outdoor and live shooting. The AD360II-C offers:

- **Compatible wireless TTL system:** Fully support Canon E-TTL II, Nikon i-TTL and other TTL systems in Godox 2.4G wireless X system. Workable as Master or Slave unit in a wireless flash group.
- **Dot-matrix LCD panel:** with clear and convenient operation.
- **Built-in 2.4G wireless transmission:** with all-in-one functions and 100 meters further transmission with X1 TTL wireless flash trigger.
- **Studio quality light:** up to 360Ws, GN 80 (m ISO 100, with AD-S2 standard reflector) . One AD360II-C can overpower the sun.
- **External battery pack:** PB960 (lithium, 10.8V/5800mAh), 0.05-4.5s recycling and 450 full power flashes.
- **Lightweight and portable** even with power and accessories
- **Wireless control:** With built-in Godox 2.4G wireless X system to achieve TTL control. Godox FT-16 flash trigger can also be used to wirelessly adjust flash power level and trigger the flash. AD360II-C has 3.5mm sync cord jack and PC sync socket to achieve various sync triggering mode.
- **Wide-range accessories:** softbox, beauty dish, snoots, color gels, etc. All lighting accessories fit for barebulb flashes from most brands.

Power adjusts from full power to 1/128 in 1/3 stop increments

Stable color temperature at 5600±200K over the entire power range

1/8000s high-speed sync flash, Focus-assist beam on/off & high-speed sync triggering

The powerful and portable AD360II-C meets the demands of freelance commercial photographers, photojournalists, wedding and beach portraiture shooters, event and backpack photographers, photograph enthusiasts, etc.

Warning

- ▲ Always keep this product dry. Do not use in rain or in damp conditions.
- ▲ Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.
- ▲ Keep out of reach of children.
- ▲ Stop using this product if it breaks open due to extrusion, falling or strong hit. Otherwise, electric shock may occur if you touch the electronic parts inside it.
- ▲ Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise visual impairment may occur.
- ▲ Do not use the flash unit in the presence of flammable gases, chemicals and other similar materials. In certain circumstance, these materials may be sensitive to the strong light emitting from this flash unit and fire or electromagnetic interference may result.
- ▲ Do not leave or store the flash unit if the ambient temperature reads over 50°C. Otherwise the electronic parts may be damaged.
- ▲ Turn off the flash unit immediately in the event of malfunction.

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Conventions used in this Manual

- This manual is based on the assumption that both the camera and camera flash's power switches are powered on.
- Reference page numbers are indicated by "p.***".
- The following alert symbols are used in this manual:
 -  The Caution symbol indicates a warning to prevent shooting problem.
 -  The Note symbol gives supplemental information.

Name of Parts

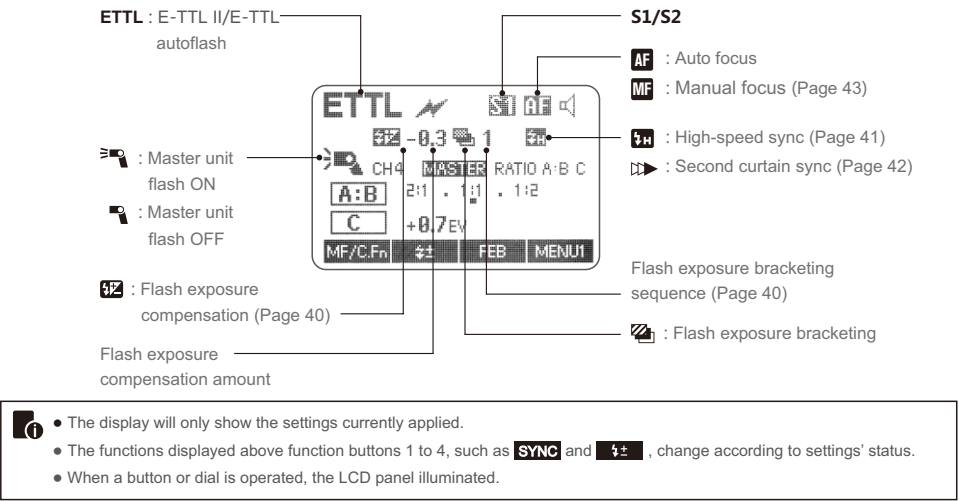
Body:



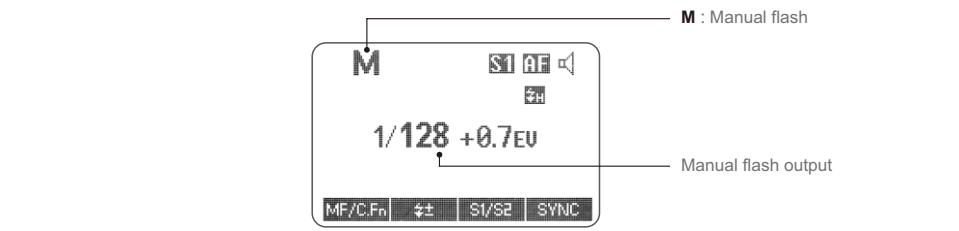
Name of Parts

LCD Panel

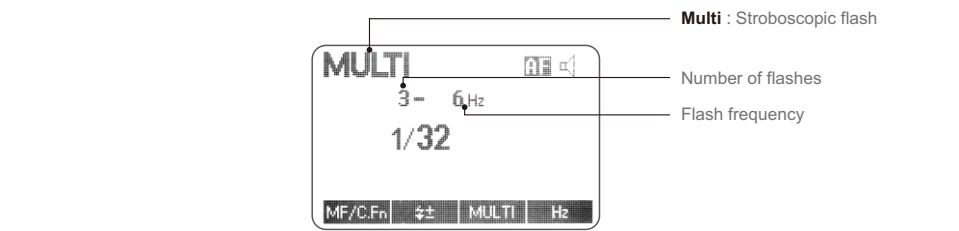
(1) E-TTL Autoflash



(2) M Manual Flash



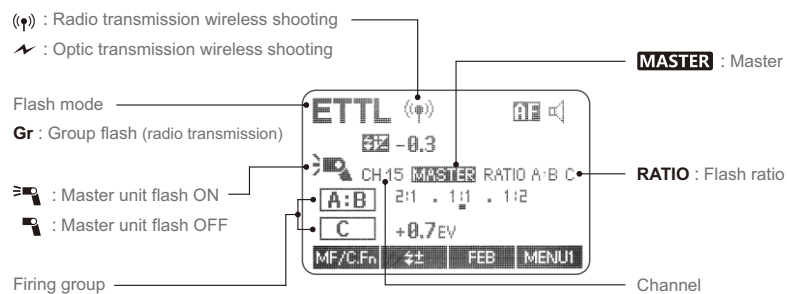
(3) Multi Flash



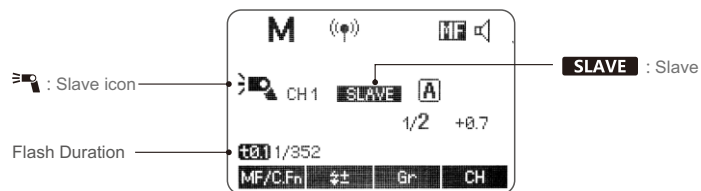
Name of Parts

(4) Radio Transmission Shooting/Optic Transmission Shooting

• Master Unit

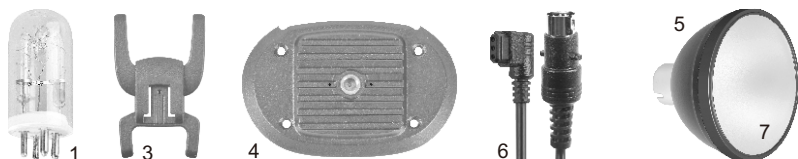


• Slave Unit



Included Accessories

- (1) Flash tube*1 (2) Protecting bag*1 (3) Mini stand*1 (4) Off-camera adapter*1 (5) Reflector*1 (6) Power cable*1 (7) Reflector diffuser*2 (8) Instruction manual*1



Separately Sold Accessories

The product can be used in combination with the following accessories sold separately, so as to achieve best photography effects:

X1C Wireless Flash Trigger, FT-16 Remote Control, Softbox, Beauty Dish, Fold up umbrella, Snoots, Light stand, etc.

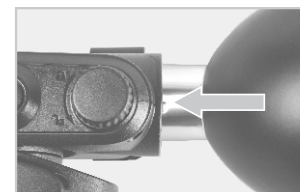


Name of Parts

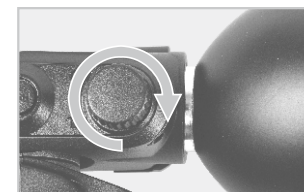
Installing Reflector (Other Accessories)



1. Rotate Accessory Locking Ring counter-clockwise until it is loosen.

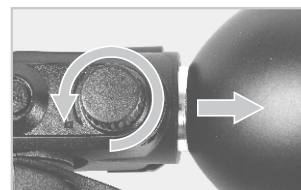


2. Insert the reflector into the Accessory Mount.

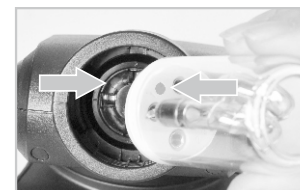


3. Rotate Accessory Locking Ring clockwise to lock it up. Do not over-tighten.

Attaching Flash Tube



1. Remove the reflector or other accessories from the flash head.

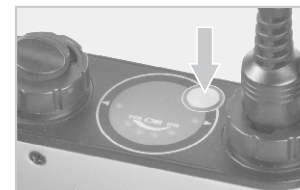


2. Match the red dot on the base of the flash tube with the red dot in the Tube Socket. Push the flash tube in until it is securely seated into the socket.

Connecting to a Power Pack



1. Before connecting, make sure that the power pack is turned off.
2. Plug one end of Power Cable into Power Socket of the flash unit, and insert the other end into the output socket of the power pack.



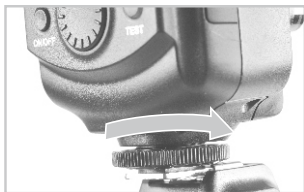
3. Turn on the power pack. Normally the flash unit will be fully charged and ready to work.



The flash unit is not powered by itself, but draws power from Godox power pack PB960 (sold separately). For the instructions of the power pack, see the related user manual.

Name of Parts

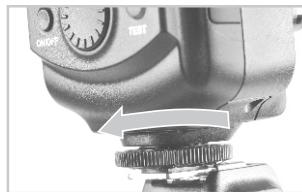
Connecting the Flash to a Camera



1. Loosen the locking ring on the mounting foot.



2. Slip the mounting foot of the flash unit into the camera hotshoe.



3. Secure the flash unit by rotating the locking ring the direction of the row.

Replacing the Off-Camera Adapter

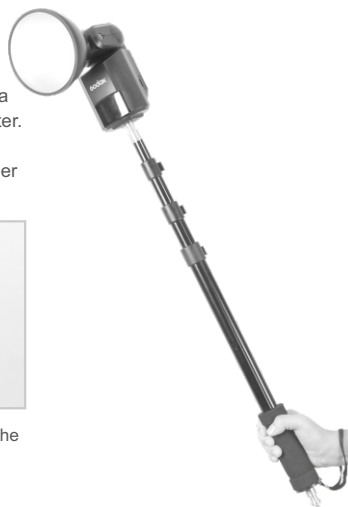
The off-camera adapter is useful when using the product as an off-camera flash. There is a 1/4" mounting hole at the bottom of the off-camera adapter. After replacing the adapter, the flash can be used mounting on GODOX AD-S13 portable light boom, AD-S16 floor light stand, and almost any other light stand. To install the off-camera adapter,



1. Use a screwdriver (not included) to remove the four screws at the bottom of this product. Then take out the bottom part carefully as illustrated.



2. Install the off-camera adapter at the bottom of this product.
3. Tighten all the screws.



Power Management

ON/OFF Power Switch controls the on/off of the flash unit. Turn off the power pack if the flash unit will not be used for an extended period (approx. 1 hour).

C.Fn Disabling Auto Power Off function is recommended when the flash is used off camera. (C.Fn-APO, Page 56)

Flash Mode — E-TTL Autoflash

This flash has three flash modes: E-TTL, Manual (M), and Multi (Stroboscopic). In E-TTL mode, the camera and the flash will work together to calculate the correct exposure for the subject and the background. In this mode, multiple TTL functions are available: FEC, FEB, FEL, HSS, second curtain sync, modeling flash, control with the camera's menu screen.

* Press <MODE> Mode Selection Button and three flash modes will display on the LCD panel one by one with each pressing.

E-TTL Mode

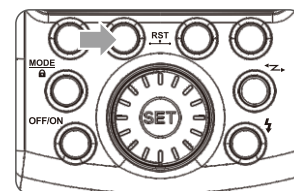
Press <MODE> Mode Selection Button to enter E-TTL mode. The LCD panel will display <ETTL>.

- Press the camera release button halfway to focus. The aperture will be displayed in the viewfinder.
- When the shutter button is fully pressed, the flash will fire a pre-flash that the camera will use to calculate exposure and flash output the instant before the photo is taken.

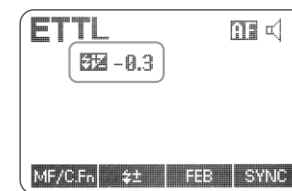
FEC: Flash Exposure Compensation

With FEC function, this flash can adjust from -3 to +3 in 1/3rd stops. It is useful in situations where minor adjusting of the TTL system is needed based on the environment.

Setting FEC:

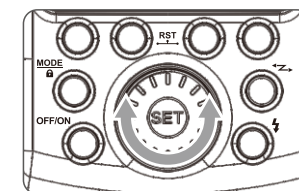


1 Press Function Button 2 < >. The icon < > and flash exposure compensation amount will be highlighted on the LCD panel.



2 Set the flash exposure compensation amount.

- Turn the Select Dial to set the amount.
- "0.3" means 1/3 step, "0.7" means 2/3 step.
- To cancel the flash exposure compensation, set the amount to "+0".

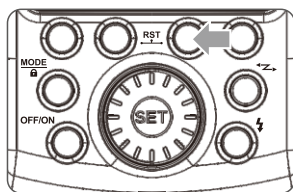


3 Press <SET> button again to confirm the setting.

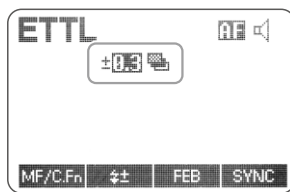
FEB: Flash Exposure Bracketing

You can take three flash shots while automatically changing the flash output for each shot from -3 to +3 in 1/3rd stops. The camera will record three images with different exposures: one exposed according to camera calculations, one over-exposed and another under-exposed. Over and under exposure amount is user adjustable. This function helps get correct exposure especially in shooting moving objects or when environmental lights are complex.

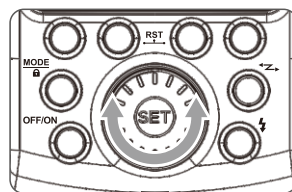
Flash Mode — E-TTL Autoflash



- 1 Press function button 3 < FEB >. The icon <  > and the exposure bracketing amount will be highlighted on the LCD panel.



- 2 Set the exposure bracketing amount.
 - Turn the Select Dial to set the amount.
 - "0.3" means 1/3 step,
 - "0.7" means 2/3 step.



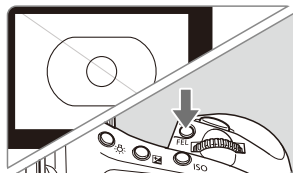
- 3 Press <SET> button again to confirm the setting. Then the FEC and FEB settings are displayed on the LCD panel.

- FEB will be cancelled after three photos are taken.
- For best results, set the camera drive mode to "single" and ensure the flash is ready before shooting.
- FEB can be used with FEC and FEL.
- **C.Fn** You can prevent the FEB from being cancelled automatically after three photos are taken. (C.Fn-FEB ACL, Page 56)
- **C.Fn** The FEB shooting sequence can be changed. (C.Fn-FEB, Page 56)

FEL: Flash Exposure Lock

FEL can lock the correct flash exposure setting for any part of the scene.

With <ETTL> displayed on the LCD panel, press the camera's <FEL> button. If the camera does not have the <FEL> button, press the < * > button.



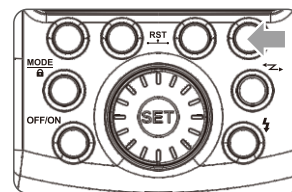
- 1 Focus the subject.
- 2 Press the <FEL> button.
 - Aim the subject at the center of the viewfinder and press <FEL> button.
 - The camera flash will fire a preflash and the required flash output for the subject is retained in memory.
 - Each time the <FEL> button is pressed, a preflash will be fired and a new flash exposure setting will be locked.

- If the subject is too far away and underexposure, the <  > icon will blink in the viewfinder. Move closer to the subject and try the FE lock again.
- If <ETTL> is not displayed on the LCD panel, FE lock cannot be set.
- If the subject is too small, FE lock might not be very effective.

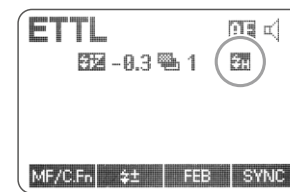
High-Speed Sync

High Speed Sync (FP flash) enables the flash to synchronize with all camera shutter speeds. This is convenient when you want to use aperture priority for fill-flash portraits.

Flash Mode — E-TTL Autoflash



- 1 Press Function Button 4 < SYNC > so that <  > is displayed.

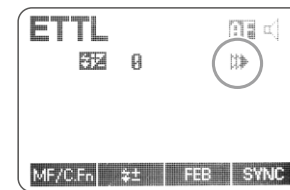
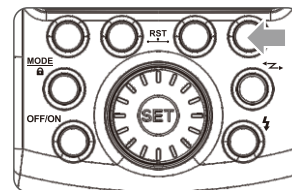


- 2 Check that <  > is displayed in the viewfinder.

- If you set a shutter speed that is the same as or slower than the camera's maximum flash sync speed, <  > will not be displayed in the viewfinder.
- With high-speed sync, the faster the shutter speed, the shorter the effective flash range.
- To return to normal flash, press < SYNC > button again. Then <  > will disappear.
- Multi flash mode cannot be set in high-speed sync mode.
- Over-temperature protection may be activated after 30 consecutive high-speed sync flashes.

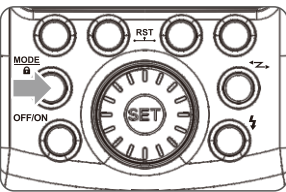
Second-Curtain Sync

With a slow shutter speed, you can create a light train following the subject. The flash fires right before the shutter closes. Press function button 4 < SYNC > button so that <  > is displayed on the LCD panel.

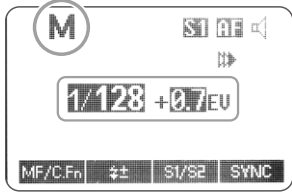


Flash Mode — M: Manual Flash

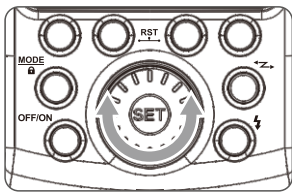
The flash output is adjustable from 1/1 full power to 1/128th power in 1/3rd stop increments. To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output.



1 Press <MODE> button so that <M> is displayed.



2 Turn the Select Dial to choose a desired flash output amount.



3 Press <SET> button again to confirm the setting.

Flash Output Range

The following table makes it easier to see how the stop changes in terms of f/stop when you increase or decrease the flash output. For example, when you decrease the flash output to 1/2, 1/2-0.3, or 1/2-0.7, and then increase the flash output to more than 1/2, 1/2+0.3, 1/2+0.7, and 1/1 will be displayed.

Figures displayed when reducing flash output level→

1/1	1/1-0.3	1/1-0.7	1/2	1/2-0.3	1/2-0.7	1/4	
	1/2+0.7	1/2+0.3		1/4+0.7	1/4+0.3		

←Figures displayed when increasing flash output level

Optic S1 Secondary Unit Setting

In M manual flash mode, press <S1/S2> button so that this flash can function as an optic S1 secondary flash with optic sensor. With this function, the flash will fire synchronously when the main flash fires, the same effect as that by the use of radio triggers. This helps create multiple lighting effects.

Optic S2 Secondary Unit Setting

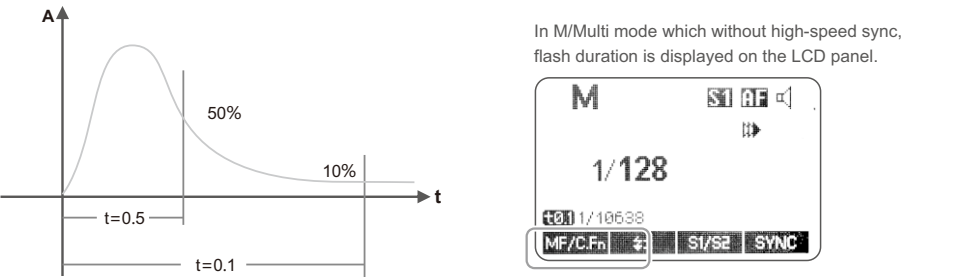
Press <S1/S2> button so that this flash can also function as an optic S2 secondary flash with optic sensor in M manual flash mode. This is useful when cameras have pre-flash function. With this function, the flash will ignore a single "preflash" from the main flash and will only fire in response to the second, actual flash from the main unit.



S1 and S2 optic triggering is only available in M manual flash mode.

Display Flash Duration

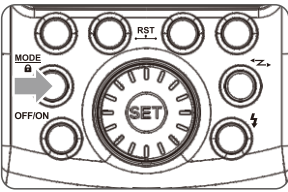
Flash duration refers to the length of time that from flash's firing to reach the half peak at maximum. The half peak at maximum is usually expressed as t=0.5. In order to provide the photographer with more concrete data, this product adopts t=0.1. The difference between t=0.5 and t=0.1 is shown in the following picture.



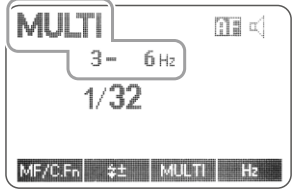
Flash Mode — Multi: Stroboscopic Flash

With stroboscopic flash, a rapid series of flashes is fired. It can be used to capture a multiple images of a moving subject in a single photograph.

You can set the firing frequency (number of flashes per sec. expressed as Hz), the number of flashes, and the flash output.



1 Press <MODE> button so that <MULTI> is displayed.



2 Set the flash frequency and flash times.

- Press Function Button 3 <MULTI> button to select the flash times. Turn the Select Dial to set the number.
- Press Function Button 4 <Hz> button to select the flash times. Turn the Select Dial to set the number.
- After you finish the setting, press <SET> button and all the settings will be displayed.

Calculating the Shutter Speed

During stroboscopic flash, the shutter remains open until the firing stops. Use the formula below to calculate the shutter speed and set it with the camera.

Number of Flashes / Flash Frequency = Shutter Speed

For example, if the number of flashes is 10 and the firing frequency is 5 Hz, the shutter speed should be at least 2 seconds.



To avoid overheating and deteriorating the flash head, do not use stroboscopic flash more than 10 times in succession. After 10 times, allow the camera flash to rest for at least 15 minutes. If you try to use the stroboscopic flash more than 10 times in succession, the firing might stop automatically to protect the flash head. If this happens, allow at least 15 minutes' rest for the camera flash.



- Stroboscopic flash is most effective with a highly reflective subject against a dark background.
- Using a tripod and a remote control is recommended.
- A flash output of 1/1 and 1/2 cannot be set for stroboscopic flash.
- Stroboscopic flash can be used with "buLb".
- If the number of flashes is displayed as "--", the firing will continue until the shutter closes or the battery is exhausted. The number of flashes will be limited as shown by the following table.

Maximum Stroboscopic Flashes:

Flash Output \ Hz	1	2	3	4	5	6-7	8-9	10	11	12-14	15-19	20-50	60-199
1/4	7	6	5	4	4	3	3	2	2	2	2	2	2
1/8	14	14	12	10	8	6	5	4	4	4	4	4	4
1/16	30	30	30	20	20	20	10	8	8	8	8	8	8
1/32	60	60	60	50	50	40	30	20	20	20	18	16	12
1/64	90	90	90	80	80	70	60	50	40	40	35	30	20
1/128	100	100	100	100	100	90	80	70	70	60	50	40	40

If the number of flashes is displayed as "--", the maximum number of flashes will be as shown in the following table regardless of the flash frequency.

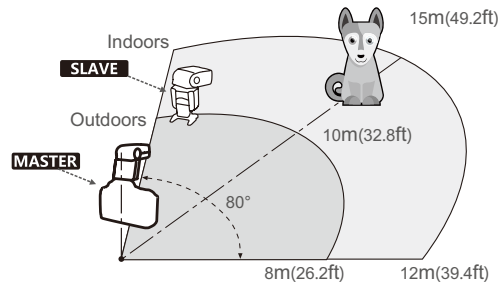
Flash Output	1/4	1/8	1/16	1/32	1/64	1/128
Number of Flashes	2	4	8	12	20	40

Wireless Flash: Optic Transmission

This product supports wireless flash application and functions as either a master or a slave unit. As a master unit, it can control Canon speedlites e.g. 580EXII, 600EX-RT via wireless. As a slave unit, it can receive wireless signals of Canon speedlites e.g. 580EXII, 600EX-RT and commanders of Canon cameras e.g. 7D/60D/600D.

- You can set up two to three slave groups for E-TTL II autoflash shooting. With E-TTL II autoflash, you can easily create various lighting effects.
- Any flash settings (of flash exposure compensation, high-speed sync, FE lock, FEB, manual flash, Multi flash) on the master unit will be automatically sent to the slave units. So the only thing you need to do is to set the master unit to E-TTL mode without any operation for the slave units at all during the shooting.
- This flash can work in E-TTL autoflash, M manual flash, and Multi stroboscopic flash modes when set as a master unit.

Positioning and Operation Range

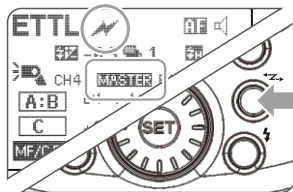


- Even with multiple slave units, the master unit can control all of them via wireless.
- In this user manual, "master unit" refers to the camera flash on a camera and "slave unit" will be controlled by the master unit.

1. Wireless Settings

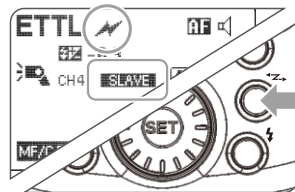
You can switch between normal flash and wireless flash. For normal flash shooting, be sure to set the wireless setting to OFF.

Master Unit Setting



Press <  > button so that <  > or **MASTER** are displayed on the LCD panel.

Slave Unit Setting

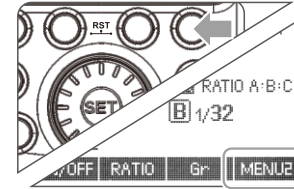


Press <  > button again so that <  > or **SLAVE** are displayed on the LCD panel.

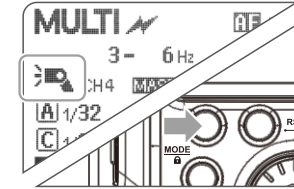
Wireless Flash: Optic Transmission

2. Master Unit's Flash OFF

When the master unit is set to OFF, only the slave units will fire a flash.



- Press Function **Button 4** so that **< MENU2 >** is displayed on the LCD panel.

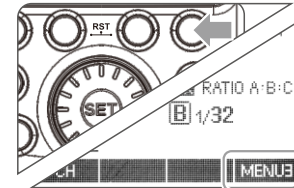


- Press Function **Button 1** **< ON/OFF >** to control the ON/OFF of the master unit.
<  >: The master unit flash firing is ON.
<  >: The master unit flash firing is OFF.

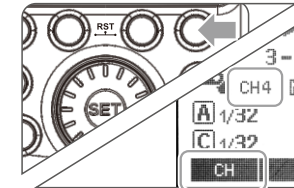
- Even if the master unit flash firing is disabled, it still fires a preflash to transmit wireless signals.

3. Setting the Communication Channel

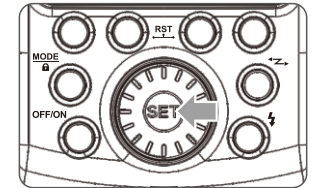
If there are other wireless flash systems nearby, you can change the channel IDs to prevent signal interference. The channel IDs of the master unit and the slave unit(s) must be set to the same.



- Press Function **Button 4** so that **< MENU3 >** is displayed on the LCD panel.



- Press Function **Button 1** so that **< CH >** is displayed on the LCD panel. Turn the Select Dial to choose a channel ID from 1 to 4.



- Press the **< SET >** button to confirm.

4. Wireless ID Settings

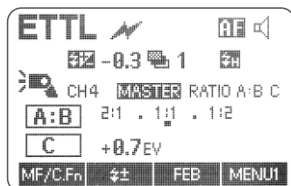
Change the wireless channels and wireless ID to avoid interference for it can only be triggered after the wireless IDs and channels of the master unit and the slave unit are set to the same.

Press the **< MENU >** button to enter C.Fn ID. Press the **< SET >** button to choose OFF channel expansion shutdown, and choose any figure from 01 to 99.

Wireless Flash: Optic Transmission

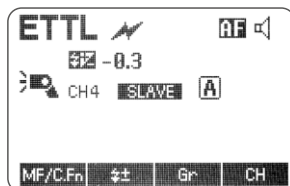
5. E TTL: Fully Automatic Wireless Flash Shooting

Using Automatic Wireless Flash with a Single Slave Unit



1 Master Unit Setting

- Attach an AD360II-C camera flash on the camera and set it as the master unit.
- As a master unit, AD360II-C can control Canon speedlites e.g. 580EXII, 600EX-RT via wireless.



2 Slave Unit Setting

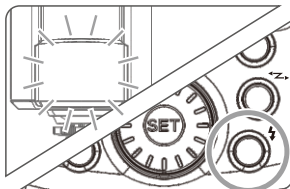
- Set the other camera flash as the wireless slave unit.
- As a slave unit, AD360II-C can receive wireless signals of Canon speedlites e.g. 580EXII, 600EX-RT and commanders of Canon cameras e.g. 7D/60D/600D.

3 Check the communication channel.

- If the master unit and slave unit(s) are set to a different channel, set them to the same channel. (Page 46)

4 Position the camera and flashes.

- Position the camera and flashes as the picture shows. (Page 45)



5 Set the master unit's flash mode to <ETTL>.

- Set the master unit's flash mode to <ETTL>.
- For shooting, <ETTL> will automatically be set for the slave unit.
- Set the master unit flash firing as ON to fire a flash.

6 Check that the flash is ready.

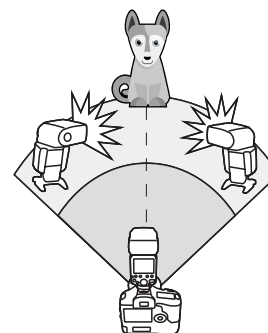
- Check that the master flash ready indicator is lightened.
- When the slave flash ready indicator is ready, the AF-assist beam lighting area will blink at 1 second intervals.

7 Check the flash operation.

- Press the master unit's Test Button <  >.
- Then, the slave unit will fire. If not, adjust the slave unit's angle toward the master unit and distance from the master unit.

Wireless Flash: Optic Transmission

Using Automatic Wireless Flash with Multiple Slave Units



When stronger flash output or more convenient lighting operation is needed, increase the number of slave units and set it as a single slave unit.

To add slave units, use the same steps as setting "automatic wireless flash with a single slave unit". Any flash group can be set (A/B/C).

When the number of slave units is increased and the master unit flash firing is ON, automatic control is implemented to make all groups of flashes fire the same flash output and ensure the total flash output up is to standard exposure.

 The slave unit might be out of order or fire an unwanted flash due to the nearby fluorescent lamp or computer screen.

- Press the depth-of-field preview button on the camera to fire a modeling flash.
- If the slave unit's auto power off function is workable, press the master unit's test button to power it on. Please note that test firing is unavailable during the camera's regular metering time.
- By making some settings, the auto AF-assist transmitter will not blink after the slave unit's flash ready indicator is lightened. (C.Fn-AF/ Page 56)

Using Fully Automatic Wireless Flash

The FEC and other settings that set on the master unit will also be appeared on the slave unit automatically. The slave unit does not need any operation. Use the following settings to make wireless flashes according to the same methods with normal flash shooting.

- Flash Exposure Compensation ( / Page 40)
- Flash Exposure Bracketing( / Page 40)
- Flash Exposure Lock(Page 41)
- High-Speed Sync ( / Page 41)
- Manual Flash (Page 43)
- Stroboscopic Flash (Page 44)

 The firing frequency of stroboscopic flash during the optic transmission shooting can be set from 1Hz to 199Hz.

 Press Function Button 4 so that <  >, <  > or <  > are displayed.

About Master Unit

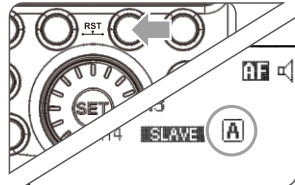
Use two or more master units. By preparing several cameras that with master units flash attached, cameras can be changed in shooting while keeping the same lighting source (slave unit).

Wireless Flash: Optic Transmission

6. E TTL: Use the Wireless Shooting of Flash Ratio

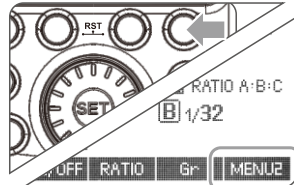
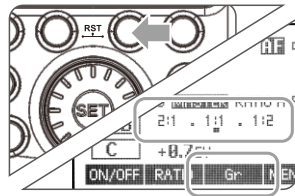
Autoflash Shooting with Two Slave Unit

Divide the slave units into A and B groups and balance their shooting illumination (flash ratio).
Auto control exposure to make the total output of A and B flash groups up to standard exposure.



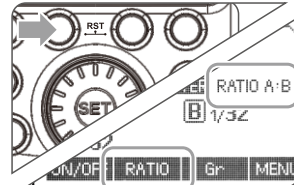
1 Setting the flash groups of slave unit.

- Set the flash as slave unit.
- Press Function **Button 3** < **Gr** > and choose <A> or .
- Set one slave unit as <A>, the other as .



2 Setting <MENU 2>.

- Step 2 to Step 4 are set on the master unit.
- Press the Function **Button 4** on the master unit so that <MENU 2> is displayed.



3 Setting <RATIO A:B>.

- Press Function **Button 2** < **RATIO** > so that <RATIO A:B> is displayed.

4 Setting flash ratio.

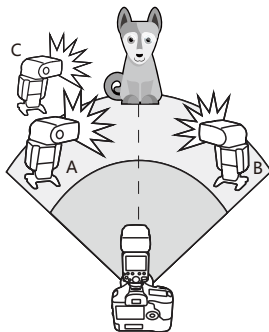
- Press Function **Button 3** < **Gr** >.
- Turn the Select Dial to set the amount of flash ratio and press <SET> button to confirm.

5 Taking the picture.

- The slave units will flash according to the flash ratio.

Autoflash Shooting with Three Slave Unit

You can add firing group C to firing groups A and B. C is convenient to set lighting so as to eliminate the subject's shadow. The basic setting method is the same as "Autoflash Shooting with Two Slave Unit".



1 Setting the slave group <C>.

- Use the same method of step 1 (page 49) to set the slave unit of flash group <C>.

2 Setting <RATIO A:B C>.

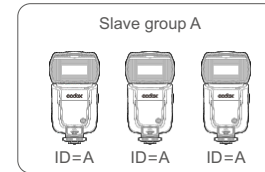
- Use the same method of step 2 and step 3 (see page 49) to set the master unit as <RATIO A:B C>.

3 Setting flash exposure compensation.

- Use the same method of step 1 (page 49) to set the slave unit of flash group <C>.
- Press Function **Button 2** < **±** >. Turn the Select Dial to set the amount of flash exposure compensation and press <SET> button to confirm.

Wireless Flash: Optic Transmission

About Slave Group Control



If three slave units are all set to <A> in terms of slave ID, these slave units will be controlled as if they were one camera flash in slave group A.

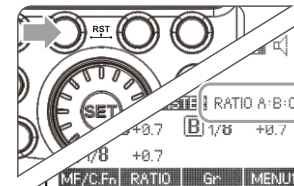
- When setting <RATIO A:B C>, group A, B and C will fire a flash synchronously; when setting <RATIO A:B>, group C will not fire a flash.
- If shooting under the situation that group C is toward the main shooting subject, over exposure might occurred.
- In some EOS film cameras that support E-TTL autoflash, you cannot perform multiple flash wireless shooting with a flash ratio setting.

- The flash ratio of 8:1 to 1:1 to 1:8 is equivalent to 3:1 to 1:1 to 1:3 (1/2 step increment).
- The details of the flash ratio settings are as follows.



7. M: Wireless Flash Shooting with Manual Flash

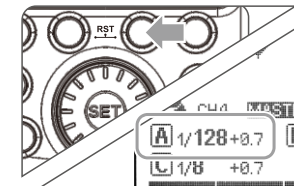
This describes wireless (multiple shooting) using manual flash. You can shoot with a different flash output setting for each slave unit (firing group). Set all parameters on the master unit.



1 Setting the flash mode to <M>.

2 Setting the number of flash groups.

- When <MENU1> is displayed, press the Function **Button 2** < **RATIO** > to set the groups to fire.
- The setting changes as follows each time you press the button:
ALL(RATIO OFF)→
A/B(RATIO A:B)→
A/B/C(RATIO A:B:C).



3 Setting flash output.

- Press Function **Button 3** < **Gr** >. Turn the Select Dial to set the flash output of the groups. Press <SET> button to confirm.

4 Taking the picture.

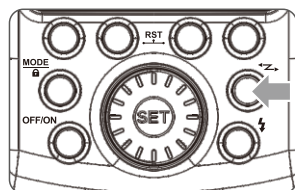
Each group fires at the set flash ratio.

- When ALL <RATIO OFF> is set, set A, B or C as the firing group for the slave units.
- To fire multiple slave units with the same flash output, select ALL <RATIO OFF> in step 2.

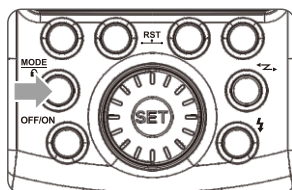
Wireless Flash: Optic Transmission

Setting <M> Flash Mode

You can directly operate the slave unit to manually set the manual flash or stroboscopic flash.

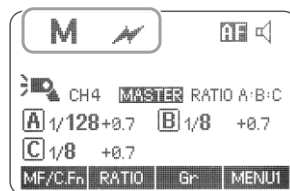


1 Setting the slave unit. (Page 45)

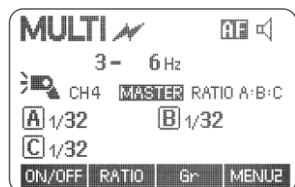


2 Setting flash mode to <M>.

- Press <MODE> button so that <M> is displayed.
- Set the manual flash output. (Page 43)



8、Multi: Wireless Flash Shooting with Manual Flash



Setting <MULTI> stroboscopic flash.

- Press <MODE> button so that <MULTI> is displayed.
- Setting the stroboscopic flash. (Page 44)

! The firing frequency of stroboscopic flash during the optic transmission wireless shooting can be set from 1Hz to 199Hz.

Wireless Flash Shooting: Radio (2.4G) Transmission

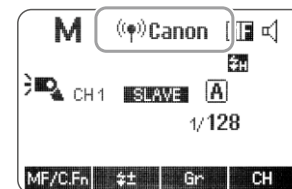
Using a flash (master/slave) with a radio transmission wireless shooting function make it easy to shoot with advanced wireless multiple flash lighting, in the same way as E-TTL II autoflash shooting.

The basic relative position and operation range are as shown in the picture. You can then perform wireless E-TTL II /ETTL autoflash shooting just by setting the master unit to <ETTL>.

AD360II-C adopts Godox 2.4G wireless X system, which can be used in combination with other products in our factory.

As a slave unit, AD360II-C is compatible with Canon E-TTL II and Nikon i-TTL systems. It will automatically change its system according to the master unit instead of setting by manual. Once received the master unit's signal, "Canon" or "Nikon" is displayed the LCD panel.

Nikon cameras (use X1T-N, TT685N, etc) and Canon cameras (use X1T-C, TT685C, etc) can use one or more AD360II-C flashes simultaneously.

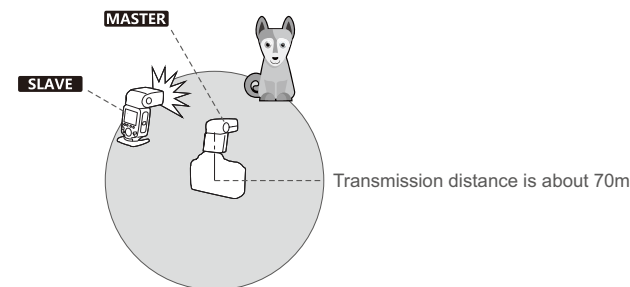


* As master unit, AD360II-C can control the following slave units: AD360II-C, AD360II-N, TT685C, X1R-C, TT600, etc.

* As slave unit, AD360II-C can be controlled by the following master units: AD360II-C, AD360II-N, TT685C, TT685N, X1T-C, X1T-N, TT600, etc.

Positioning and Operation Range (Example of wireless flash shooting)

- Autoflash Shooting with One Slave Unit



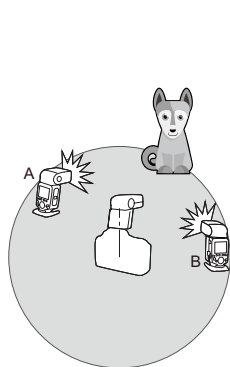
- Use the supplied mini stand to position the slave unit.
- Before shooting, perform a test flash and test shooting.
- The transmission distance might be shorter depending on the conditions such as positioning of slave units, the surrounding environment and whether conditions.

Wireless Flash Shooting: Radio (2.4G) Transmission

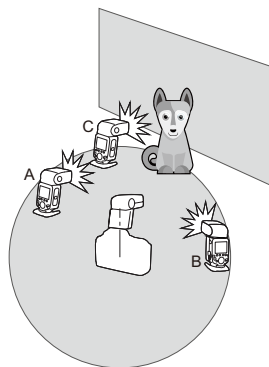
Wireless Multiple Flash Shooting

You can divide the slave units into two or three groups and perform E-TTL II/E-TTL autoflash while changing the flash ratio (factor). In addition, you can set and shoot with a different flash mode for each firing group, for up to 5 groups.

• Auto Shooting with Two Slave Groups



• Auto Shooting with Three Slave Groups



Wireless shooting using radio transmission has advantages over wireless shooting using optic transmission, such as being less affected by obstacles, and not having to point the slave unit's wireless sensor toward the master unit. The main functional differences are as follows:

Function	Radio Transmission	Optic Transmission
Distance	70m	Master (transmitter): approx. 3m; Slave (receiver): approx. 15m
Channel	1~32	1~4
A/B/C Power	OFF, 1/128~1/1	1/128~1/1
To be disturbed	Hard	Easy

⚠ The Reason & Solution of Not Triggering in Godox 2.4G Wireless

1. Disturbed by the 2.4G signal in outer environment (e.g. wireless base station, 2.4G wifi router, Bluetooth, etc.)

→ To adjust the channel CH setting on the flash trigger (add 10+ channels) and use the channel which is not disturbed. Or turn off the other 2.4G equipment in working.

2. Please make sure that whether the flash has finished its recycle or caught up with the continuous shooting speed or not(the flash ready indicator is lighten) and the flash is not under the state of over-heat protection or other abnormal situation.

→Please downgrade the flash power output. If the flash is in TTL mode, please try to change it to M mode(a preflash is needed in TTL mode).

3. Whether the distance between the flash trigger and the flash is too close or not

→Please turn on the "close distance wireless mode" on the flash trigger (< 0.5m):

X1 series: press the test button and hold on, then turning it on until the flash ready indicator blinks for 2 times.

XPro series: Set the C.Fn-DIST to 0-30m.

4. Whether the flash trigger and the receiver end equipment are in the low battery states or not

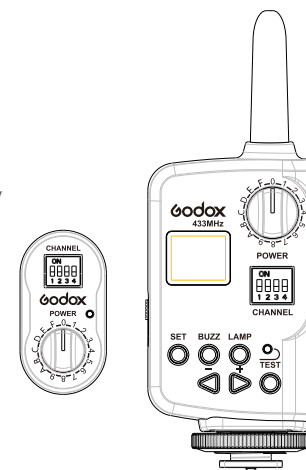
→Please replace the battery(the flash trigger is recommended to use 1.5V disposable alkaline battery).

Other Applications

Wireless Control Function

The flash unit is built in with a Wireless Control Port so that you can wirelessly adjust the power level of the flash and the flash triggering. To control the flash wirelessly, you need a FT-16 remote control set (on-camera and on-flash). Insert its receive end into the Wireless Control Port on the flash and insert the transmit end into the camera hot shoe. Settings made on the hotshoe-mounted transmit and receive ends will be wirelessly communicated to the flash. Then you can press the camera shutter release button to trigger the flash. You can also hold the transmit end at hand to control your off-camera flash.

For full instructions on the use of FT series remote control, see its user manual.



Modeling Flash

If the camera has a depth-of-field preview button, pressing it will fire the flash continuously for 1 second. This is called modeling flash.

It enables you to see the shadow effects on the subject and the lighting balance. You can fire the modeling flash during wireless or normal flash shooting.

- To avoid overheating and deteriorating the flash head, do not fire the modeling flash for more than 10 consecutive times. If you fire the modeling flash 10 consecutive times, allow at least 10 minutes' break for the camera flash.
- The modeling flash cannot be fired with the EOS 300 and Type-B cameras.

Auto Focus Assist Beam

In poorly-lit or low-contrast shooting environments, the built-in auto focus assist beam will automatically light on to make it easier for autofocus. The beam will light up only when autofocus is difficult and get out as soon as the autofocus becomes correct.

If you want to turn off the auto focus assist beam, set the "AF" to "OFF" on the C.Fn settings.

If you find the auto focus assist beam does not light up, this is because the camera has got a correct autofocus.

Position	Effective Range
Center	0.6~10m / 2.0~32.8 feet
Periphery	0.6~5m / 2.0~16.4 feet

Assist Beam Setting

The flash has two ways to light on the assist beam: auto focus (AF) and manual focus (MF). Press Function Button 1 (MF/C.Fn) to choose.

Auto focus (AF): The assist beam is lighted on by camera.

Manual focus (MF): The assist beam is lighted on manually.

Turn off the assist beam: Set "AF" to OFF on the C.Fn menu, and the assist beam will be turned off.

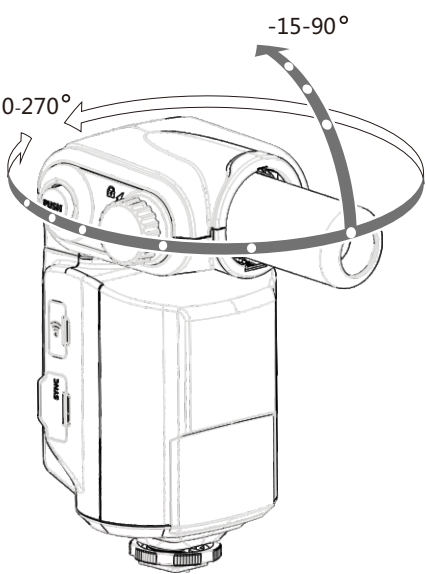
Other Applications

Bounce Flash

By pointing the flash head toward a wall or ceiling, the flash will bounce off the surface before illuminating the subject. This can soften shadows behind the subject for a more natural-looking shot. This is called bounce flash.

To set the bounce direction, hold the flash head and turn it to a satisfying angle.

-  If the wall or the ceiling is too far away, the bounced flash might be too weak and result in underexposure.
- The wall or the ceiling should be a plain, white color for high reluctance. If the bounce surface is not white, a color cast may appear in the picture.



Sync Triggering

The Sync Cord Jack is a Φ3.5mm plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.

PC Sync Socket Triggering

Use remote cable to connect the camera and the AD360II-C through its PC sync socket, and the flash will be fired synchronously with the camera shutter.

C.Fn: Setting Custom Functions

The following table lists the available and unavailable custom functions of this flash.

Custom Function Signs	Functions	Setting Signs	Settings & Descriptions	Custom Functions No.
APO	Auto power off	ON	ON	C.Fn-01
		OFF	OFF	
FEB ACL	FEB auto cancel	ON	ON	C.Fn-03
		OFF	OFF	
FEB	FEB order	0 → - → +		C.Fn-04
		- → 0 → +		
AF	AF-assist beam	ON	ON	C.Fn-08
		OFF	OFF	
BEEP	Beeper	ON	ON	C.Fn-20
		OFF	OFF	
LIGHT	Backlighting time	12sec	Off in 12 sec.	C.Fn-22
		OFF	Always off	
		ON	Always lighting	
LCD	LCD contrast ratio	0~9	10 levels	
ID	Wireless ID	OFF	Off	
		01-99	Choose any figure from 01-99	
Sv LED	Wireless LED Lamp	OFF	Off	
		ON	on	

- Press < MF/C.Fn > Button for 2 seconds or longer until C.Fn menu is displayed. The "Ver x.x" in the top-right corner refers to the software version.
- Select the Custom Function No.
 - Turn the Select Dial to select the Custom Function No.
- Change the Setting.
 - Press < **SET** > button and the Setting No. blinks.
 - Turn the Select Dial to set the desired number. Pressing < **SET** > button will confirm the settings.
 - After you set the Custom Function and press < **MODE** > button, the camera will be ready to shoot.
- In the C.Fn states, long press the "Clear"button for 2 seconds until "OK" is displayed on the panel, which means the values in C.Fn can be reset.

Control with the Camera's Menu Screen

If the camera flash is attached to an EOS camera which has a speedlite control function, the flash can be controlled using the camera's menu screen. For the menu operation procedure, refer to your camera's instruction manual.

Setting Camera Flash Functions

The following flash functions are settable according to different flash modes.

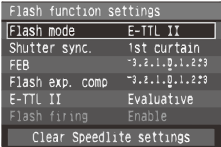
- 1. Flash mode
- 2. Shutter sync (1st/2nd curtain, high speed sync)
- 3. FEB
- 4. Flash exposure compensation
- 5. Flash firing
- 6. Clear camera flash's settings

Custom Functions of Camera Flash

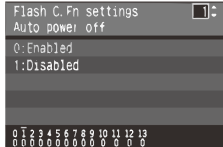
C.Fn-01, C.Fn-03, C.Fn-04, C.Fn-08, C.Fn-20, and C.Fn-22.

Clear All Flash Custom Functions

Flash function settings screen



Flash C.Fn settings screen



*Screens from the EOS-1D Mark III.

- If flash exposure compensation has already been set with the camera flash, flash exposure compensation cannot be set with the camera. To set it with the camera, the camera flash's flash exposure compensation must be set to zero.
- If any Flash Custom Functions and flash settings other than flash exposure compensation have been set by both the camera and the flash, the latest settings will take effect.

Protection Function

1. Over-Temperature Protection

- To avoid overheating and deteriorating the flash head, do not fire more than 75 continuous flashes in fast succession at 1/1 full power. After 30 continuous flashes, allow a rest time of at least 75 minutes.
- If you fire more than 75 continuous flashes and then fire more flashes in short intervals, the inner over-temperature protection function may be activated and make the recycling time over 10 seconds. If this occurs, allow a rest time of about 10 minutes, and the flash unit will then return to normal.
- When the over-temperature protection is started, u is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Power Output Level	Number of Flashes
1/1	75
1/2(+0.3,+0.7)	100
1/4(+0.3,+0.7)	150
1/8(+0.3,+0.7)	200
1/16(+0.3,+0.7)	300
1/32(+0.3,+0.7)	500
1/64(+0.3,+0.7)	1000
1/128(+0.3,+0.7)	

Number of flashes that will activate over-temperature protection in high-speed sync triggering mode:

Power Output	Times
1/1	30
1/2(+0.3,+0.7);	40
1/4(+0.3,+0.7)	50
1/8(+0.3,+0.7);	60
1/16(+0.3,+0.7)	75
1/32(+0.3,+0.7);	
1/64(+0.3,+0.7);	100
1/128(+0.3,+0.7);	

2. Other Protections

- The system provides real-time protection to secure the device and your safety. The following lists prompts for your reference:

LCD Panel	Meaning
E1	A failure occurs on the recycling system so that the flash cannot fire. Please restart the flash unit. If the problem still exists, please send this product to a maintenance center.
E2	The system gets excessive heat. Please allow a rest time of 10 minutes.
E3	The voltage on two outlets of the flash tube is too high. Please send this product to a maintenance center.
E9	There are some errors occurred during the upgrading process. Please using the correct firmware upgrade method.

Technical Data

Model	AD360II-C	
•Type		
Compatible Cameras	Canon EOS cameras (E-TTL II autoflash)	
Slave Unit Compatible Cameras	Canon EOS cameras, E-TTL II autoflash (master unit use TTL wireless flash trigger X1C, etc.) Nikon cameras, i-TTL autoflash (master unit use TTL wireless flash trigger use X1N, etc.)	
Guide No. (m ISO 100)	80 (m ISO 100, with AD-S2 standard reflector)	
Vertical Rotation Angle	-15° to 90°	
Horizontal Rotation Angle	0 to 270°	
Flash Duration	1/220 to 1/10000 seconds	
•Exposure Control		
Exposure control system	E-TTL II autoflash and manual flash	
Flash exposure compensation (FEC)	Manual. FEB: ±3 stops in 1/3 stop increments (Manual FEC and FEB can be combined.)	
FE lock	With < FEL > button or < * > button	
Sync mode	High-speed sync (up to 1/8000 seconds), first-curtain sync, and second-curtain sync	
Multi flash	Provided (up to 100 times, 199Hz)	
•Wireless Flash (Optic transmission and 2.4G transmission)		
Wireless flash function	Master, Slave, Off	
Controllable slave groups	3 (A, B, and C)	
Transmission range (approx.)	Optic	Master (transmitter): approx. 3m; Slave (receiver): Indoors: 12 to 15 m/ 39.4 to 49.2 ft.; Outdoors: 8 to 10 m/ 26.2 to 32.8ft. Master unit reception angle:±40° ; horizontally, ±30° vertically
	2.4G	70m (AD360II-C as a transmitter) 100m (X1C/X1N as a transmitter)
Channels	Optic	4 (1, 2, 3, and 4)
	2.4G	32 (1~32)
Modeling flash	Fired with camera's depth-of-field preview button	
•Auto Focus Assist Beam		
Effective range (approx.)	Center: 0.6~10m / 2.0~32.8 feet Periphery: 0.6~5m / 2.0~16.4 feet	
•Power Supply		
Power Supply	GODOX PB960 lithium power pack	
Full Power Flashes	450 (with PB960 power pack)	
Recycle Time	Approx. 0.05-4.5s (with PB960 power pack)	
Power Saving	Power off automatically after approx. 90 seconds of idle operation. (60 minutes if set as slave)	
•Sync Triggering Mode	Hotshoe, 3.5mm sync line, PC sync socket, Wireless control port	
•Color Temperature	5600±200k	
•Dimensions		
Dimension	75*95*220mm (flash tube & reflector not included)	
Net Weight	800g (flash tube & reflector not included)	
2.4G Wireless Frequency Range	2412.99MHz-2464.49MHz	
Max. Transmitting Power of 2.4G Wireless	5dbm	

Troubleshooting

If there is a problem, refer to this Troubleshooting Guide.

The Camera Flash does not fire.

- The camera flash is not attached securely to the camera.
→Attach the camera's mounting foot securely to the camera.
- The electrical contacts of the Camera Flash and camera are dirty.
→Clean the contacts.
- <  > or <  > is not displayed in the view finder of camera.
→Wait until the flash is fully recycled and the flash ready indicator lights up.
→If the flash ready indicator lights up, but <  > or <  > is not displayed in the view finder, check whether this flash unit is securely attached to the camera hotshoe.

The flash exposure is underexposed or overexposed.

- There was a highly reflective object (e.g. glass window) in the picture.
→Use FE lock (FEL).
- You used high-speed sync.
→With high-speed sync, the effective flash range will be shorter. Make sure the subject is within the effective flash range displayed.
- You used Manual Flash mode.
→Set the flash mode to E TTL or modify the flash output.

This flash supports firmware upgrade through the USB port. Update information will be released on our official website.

 USB connection line is not included in this product. The USB port is a standard Micro USB socket. Common USB connection line is applicable.

Compatible Camera Models

This flash unit can be used on the following Canon EOS series camera models:

5D Mark III	5D Mark II	6D	7D
60D	50D	40D	30D
650D			
600D	550D	500D	450D
400D Digital	1100D	1000D	



- This table only lists the tested camera models, not all Canon EOS series cameras. For the compatibility of other camera models, a self-test is recommended.
- Rights to modify this table are retained.

Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts and the product should be dedusted regularly.
- It is normal for the flash tube to be warm when in use. Avoid continuous flashes if unnecessary.
- Maintenance of the flash must be performed by our authorized maintenance department which can provide original accessories.
- This product, except consumables e.g. flash tube, is supported with a one-year warranty.
- Unauthorized service will void the warranty.
- If the product had failures or was wetted, do not use it until it is repaired by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ -Reorient or relocate the receiving antenna.
- ▶ -Increase the separation between the equipment and receiver.
- ▶ -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ▶ -Consult the dealer or an experienced radio/TV technician for help.

*RF warning:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.