GODOX設計檔圖注			
項目類型	□ 彩盒 □ 彩卡 □ 白盒 □ 貼 紙 ✓說 明書 □ 內托 □ 膠盒 □ 吸塑 □ 其他:		
項目名稱	GODOX_V1C 說明書		
產品料號	705-V1C000-00	版本	A
展開尺寸(mm)		成品尺寸(mm)	80x195mm
尺寸公差	±2mm		
材質	80g書紙		
工藝說明	騎馬釘		
備註/色值			
設計師	陳正豐	校對	楊人人

Godox 神牛

TTL鋰電圓頭機頂閃光燈

TTL Li-ion Round Head Camera Flash

V1©

INSTRUCTION MANUAL

說明手冊

在使用本產品之前：

請先仔細閱讀本手冊，以確保您能安全使用。請保存好本手冊以備將來查詢參考。

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.

深圳市神牛攝影器材有限公司

GODOX Photo Equipment Co., Ltd.

地址/Add: 深圳市宝安区福海街道塘尾社区福川工业区厂房2栋1层至4层、4栋1层至4层
1st to 4th Floor, Building 2/ 1st to 4th Floor, Building 4, Yaochuan Industrial Zone,
Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103, China

电话/Tel: +86-755-29609320(8062)　传真/Fax: +86-755-25723423

邮箱/E-mail: godox@godox.com　http://www.godox.com

705-V1C000-00　Made In China

FC CE RoHS

前言

感謝您購買神牛產品。

該型號機頂閃光燈適用於佳能EOS系列相機，相容E-TTL II自動閃光。使用E-TTL閃光燈，您將獲得更簡單的拍攝體驗，在光線變化複雜的情況下，可以自動獲得準確的閃光曝光，拍攝輕鬆自如。產品特點突出表現在以下幾方面：

- **圓頭燈**反光杯設計，實現光效均勻柔和，打造更多創意的光效。具有2W LED造型燈作為補光攝影效果。
- **最大檔閃光功率為76Ws，81級調光(1/1~1/256))**
- **專業鋰電，優質體驗**
  2600mAh鋰聚合物電池，全功率480次閃光，1.5秒快速回電，便攜性無與倫比。
- **相容佳能E-TTL II**
  支援E-TTL自動閃光，可作為無線多燈閃光系統的主控或從屬單元，拍攝更簡單快捷
- **點陣液晶屏**
  顯示直觀，操作更加簡易
- **內置2.4G無線傳輸**
  收發一體，超遠距離，創意無限
- **功能齊全，無限享用**
  支援手動和頻閃閃光模式，高速同步/第二簾快門同步/閃光曝光補償等E-TTL II功能
- **光學研究，輸出穩定**
  高速連閃，每次輸出亮度和色溫連續一致(5600±200K)，光線均勻分佈
- **固件升級，相容無憂**
  跟隨原廠相機步伐，可對軟體進行再升級

⚠ 警告

⚠ 請保持乾燥。

⚠ 請勿私自拆卸產品，如產品出現故障須由本公司或授權的維修人員進行檢查維修。

⚠ 請勿讓兒童接觸本產品。

⚠ 禁止拆卸、撞擊、擠壓或投入火中，若出現嚴重鼓脹，請勿繼續使用。請勿放置在超過50度的高溫環境中。

⚠ 請勿將閃光燈頭正對人眼閃光(特別是嬰兒的眼睛)，否則可能會在短時間內造成視力障礙。

⚠ 請勿在化學品、可燃性氣體或其他特殊物質附近使用閃光燈，這些物質在特殊情況下可能對閃光燈發出的瞬間強光敏感，有可能導致火災或電磁干擾。在這些場合下，請注意相關警告標識。

⚠ 本產品不能防水，在雨天及潮濕環境下請注意防水。

⚠ 若發生任何故障，請立即關閉閃光燈電源。

VING 逸客

TTL鋰電圓頭機頂閃光燈

Pioneering TTL Li-ion Round Head Camera Flash

本說明書中使用的約定

- 此使用說明書中的操作步驟假定相機和閃光燈的電源開關已開啟。
- 參考頁碼由(第**頁)表示。
- 此使用說明書中使用以下警告符號：

⚠ 該“小心”符號表示避免出現拍攝問題的警告。

該“注意”符號提供補充資訊。

目錄

01 前言

02 警告

05 部件名稱
機身
控制台
LCD液晶顯示幕
三種模式下的不同LCD屏顯示
標配物品
可選購附件

08 電池

09 造型燈

09 裝卸閃光燈

10 電源管理

10 閃光模式-- E-TTL自動閃光模式
閃光曝光補償
FEB：閃光包圍曝光
FEL：閃光曝光鎖定
高速同步
第二簾快門同步

13 閃光模式-- M: 手動閃光

14 閃光模式-- Multi: 頻閃閃光

15 無線閃光拍攝：無線電(2.4G)傳輸
無線設置
主控單元禁用
設置通訊頻道
無線ID設置
掃描空閒頻道設置
ETTL: 全自動無線閃光拍攝
ETTL: 使用閃光光比的無線多重閃光拍攝
M: 手動無線閃光拍攝
Multi:手動無線閃光拍攝

22 其他應用
同步插孔觸發
造型閃光
自動輔助對焦燈
反射閃光
ZOOM： 設置閃光覆蓋範圍
電池電量低警示

24 C.Fn： 設置自訂功能

25 用相機功能表控制閃光燈

26 保護功能

27 規格參數

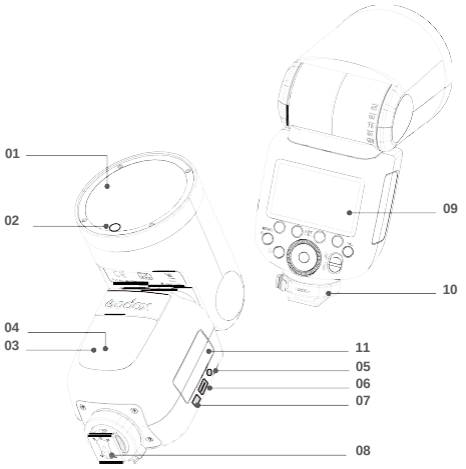
28 故障排除指南

29 固件升級

29 相容相機列表

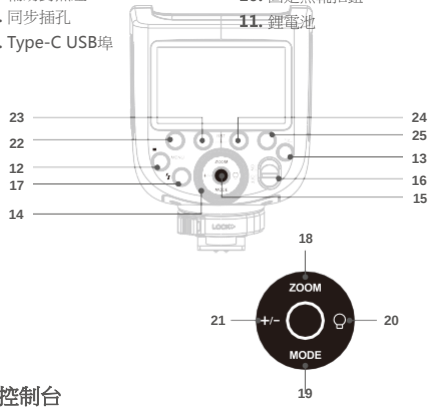
29 維護保養

部件名稱



● 機身

01. 閃光燈頭
02. LED造型燈(01~10調節)
03. 無線感測器
04. 輔助對焦燈
05. 同步插孔
06. Type-C USB埠
07. 取電池按鈕
08. 熱靴
09. 液晶顯示幕
10. 固定熱靴扣鈕
11. 鋰電池

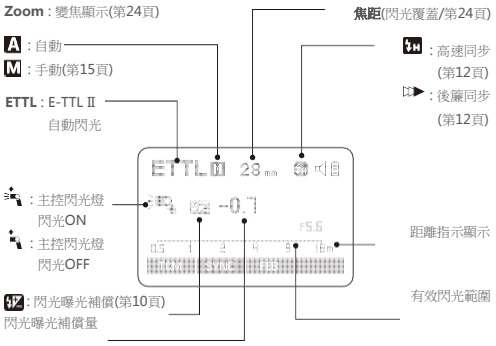


● 控制台

12. <**MENU**>閃光燈功能表按鈕/鎖定按鈕
13. < >無線按鈕
14. 調節旋鈕
15. 設置按鈕
16. ON/OFF電源開關
17. < >試閃按鈕/回電指示燈
18. <ZOOM>焦距設置
19. <MODE>閃光燈模式選擇
20. < >造型燈設置
21. <+/->功率大小調節
22. 功能按鈕1
23. 功能按鈕2
24. 功能按鈕3
25. 功能按鈕4

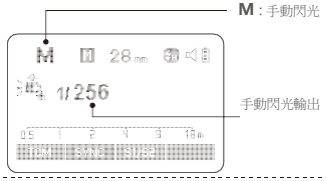
● LCD液晶顯示幕

(1)E-TTL自動閃光

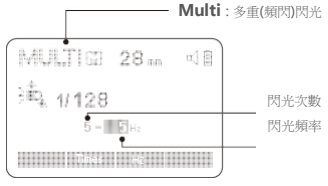


- 顯示幕將只顯示當前應用的設置。
- 在功能按鈕1至功能按鈕4上方顯示的功能(如< SYNC >和<A/B/C/D>)根據設置的狀態發生變化。
- 當操作按鈕或撥盤時，液晶顯示幕點亮。

(2) M手動閃光

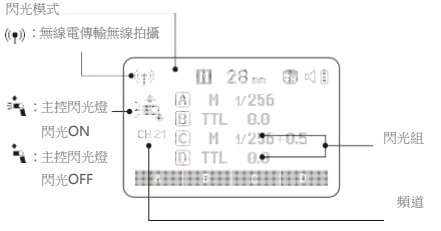


(3) Multi頻閃閃光

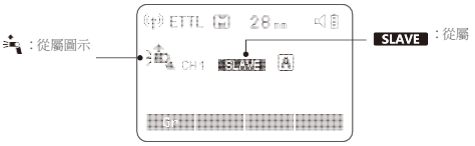


(4)無線電傳輸拍攝

- 主控單元



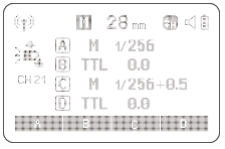
● 從屬單元



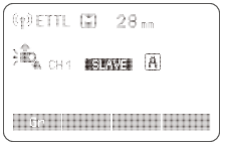
● 三種模式下的不同LCD屏顯示

● 機頂模式

● 2.4G無線傳輸: 作為主控



● 2.4G無線傳輸: 作為從屬



● 標配物品

1、閃光燈 2、鋰電池 3、USB充電座 4、USB充電線 5、充電器
6、微型底 7、保護包 8、說明書

● 可選購附件

可搭配本公司以下攝影附件使用，以獲得最佳的拍攝效果和使用體驗：**XProC、X1C TTL引閃器、AK-R1 圓形燈附件**等。

電池

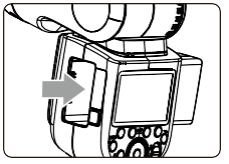
● 特性

1. 本品採用鋰聚合物電池，支援反復充放電500次，使用壽命長；
2. 安全可靠，內置電路有過充保護、過放保護、過流保護、短路保護；
3. 使用標配電池充電器只需3.5個小時左右。

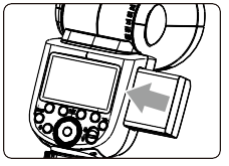
● 注意事項

1. 避免正負極短路；
2. 電池沒有防水功能，不要把電池浸泡在霧、水中；
3. 放置于兒童不易接觸的地方；
4. 電池充電不要放置超過24小時；
5. 電池應放置於涼爽、乾燥及通風的地方存儲；
6. 電池不要靠近和放置於火中；
7. 電池使用報廢後請按當地的規定處理；
8. 如果電池超過3個月不使用，請對電池進行滿電充電。

● 裝卸電池



1 拆卸電池。
- 用您的拇指按電池按鈕,手往下推電池,便可取出電池。



2 安裝電池。
- 按電池指示方向將鋰電池插入電池倉，直至扣件卡住即可。

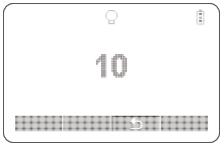
● 電池電量指示

把鋰電池正確安裝在閃光燈上，即可給閃光燈供電。使用時請查看閃光燈螢幕上電池圖示，即可隨時掌握電量狀態。

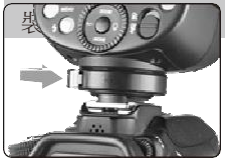
電池電量顯示	意義
3格	滿電
2格	中電
1格	低電
無格	電量少，請及時充電。
無格閃爍	電量即將用盡，此狀態不支援閃光燈工作。 注：此狀態請儘快(10天內)充電，才可使用或放置。

造型燈

通過按造型燈按鈕，進入造型燈設置模式。短按設置鍵打開或關閉造型燈。造型燈打開後，轉動旋轉鍵設置造型燈的亮度。有01～10個檔位調節亮度。



裝



1

安裝閃光燈。
- 轉動閃光燈旋轉鈕到左邊便可以全插入相機的熱靴。

2

扣緊閃光燈。
- 轉動閃光燈旋轉鈕到右邊,便可以鎖定熱靴。

3

取下閃光燈。
- 按下旋轉鈕上的按鍵，旋轉到左邊，便可解除鎖定熱靴。

電源管理

＊ON/OFF電源開關控制該產品的打開和關閉，長時間不使用時請關閉電源。本產品設計有電源自動關閉功能。作為主控單元在長時間（約90秒）無人操作時，閃光燈會自動關閉，半按快門按鈕或機身任意鍵喚醒；作為從屬單元在60分鐘（或者選擇30分鐘）無任何操作時，閃光燈會進入休眠狀態，此時可按機身任意鍵喚醒。

[redacted] 離機使用時，建議通過自訂功能使“自動關閉電源” 無效。(C.Fn-STBY 第25頁）

[redacted] “從屬單元自動關閉電源計時器”出廠默認設置為60分鐘，也可自訂選擇30分鐘。(C.Fn-Sv STBY第25頁）

閃光模式：E-TTL自動閃光模式

該閃光燈有**E-TTL**自動閃光，**M**手動閃光，**Multi**頻閃閃光三種模式。在**ETTL**模式下，相機的測光系統會偵查從主體反射回來的閃光照明，從而自動調節閃光輸出量，使主體和背景得到均衡曝光。支持曝光補償、曝光包圍、高速同步、第二簾快門同步、曝光鎖定、光圈預覽造影閃光、佳能相機功能表訪問等功能。

＊按下< **MODE**>模式選擇按鈕，三種閃光模式將會依次出現在液晶屏上。

E-T TL模式

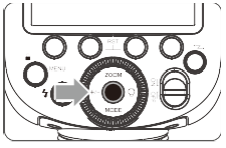
通過按< **MODE**>模式選擇按鈕，將閃光燈設置為<**ETTL** >, 可以使閃光燈進入ETTL模式。

- 半按相機快門按鈕進行對焦，光圈值和有效閃光範圍將會顯示在顯示幕上。
- 在快門釋放前的瞬間進行一次預閃，閃光燈接收相機資訊進行主閃光。

閃光曝光補償

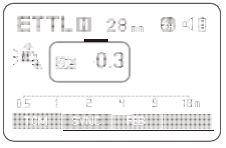
該閃光燈可以在±3檔間以1/3檔為增量調節閃光曝光補償。由於環境的需求而需要微調TTL系統時，這個功能非常有用。

設置閃光曝光補償：



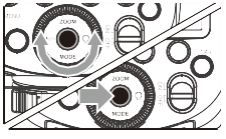
1

按下<+/->按鈕，令螢幕顯示< ⚡ >圖示，並且閃光曝光補償量被突出顯示



2

設置閃光曝光補償量。
- 轉動調節旋鈕設置曝光補償量。
- "0.3"表示1/3檔，"0.7"表示2/3檔。
- 要取消閃光曝光補償，將閃光曝光補償量設為"+0"。

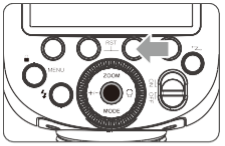


3

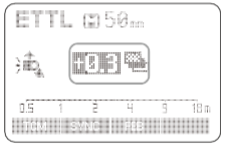
按下設置按鈕，確定閃光曝光補償。

FEB(閃光包圍曝光)

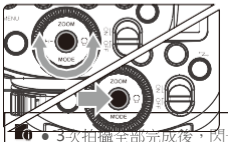
每次拍攝都在±3檔間以1/3檔為增量自動更改閃光輸出，稱之為FEB(閃光包圍曝光)。使用該功能，相機將記錄三張不同閃光輸出(正確曝光、曝光不足、曝光過度)的照片。在拍攝移動主體，或是拍攝場景中燈光效果較複雜情況下，使用該功能可獲得合適的曝光。



1 按下功能按鈕3<**FEB**>，令螢幕顯示< >圖示，並且**FEB**水準顯示被突出顯示。



2 設置閃光包圍曝光量。
- 轉動調節旋鈕設置包圍曝光量。
- “0.3”表示1/3檔，“0.7”表示2/3檔。



3 按下設置按鈕，確定**FEB**(閃光包圍曝光)。螢幕顯示跳轉到閃光曝光補償和閃光包圍曝光數值顯示。

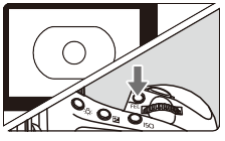
- 3次拍攝全部完成後，閃光包圍曝光將被自動取消。
- 對於閃光包圍曝光，將相機的驅動模式設為“單拍”，並在拍攝前確保閃光燈準備就緒。
- 還可以結合閃光包圍曝光和閃光曝光補償以及閃光曝光鎖定一起使用。

  您可以防止進行3次拍攝後閃光包圍曝光被自動取消。(C.Fn-FEB ACL 第25頁)

FEL: 閃光曝光鎖定

使用**FEL**(閃光曝光)鎖定，您可以為場景的任何部分鎖定正確的閃光曝光設置。

液晶顯示幕上顯示<**ETTL**>時，按下相機的<**FEL**>按鈕。如果相機沒有<**FEL**>按鈕，按下<＊>按鈕。



1 對被攝體對焦。

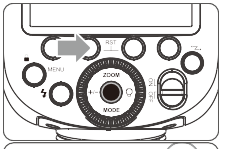
2 按下<**FEL**>按鈕。

將取景器中央對準被攝體，然後按下<**FEL**>按鈕。
- 閃光燈將會進行預閃，並將被攝體所需的閃光輸出保留在記憶體中。
- "**FEL**"將在取景器中顯示0.5秒。
- 每次按下<**FEL**>按鈕時，閃光燈將進行預閃並鎖定新的閃光曝光設置。

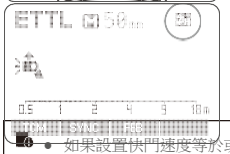
- 如果被攝體太遠，將導致曝光不足，< >圖示將在取景器中閃爍。請靠近被攝體然後再次嘗試閃光曝光鎖定。
- 如果液晶顯示幕上不顯示<**ETTL**>，將不能設置閃光曝光鎖定。
- 如果被攝體太小，閃光曝光鎖定效果可能不太好。

高速同步

使用高速同步(FP閃光)，您可以在所有的快門速度下同步使用閃光燈。高速同步閃光在使用光圈優先對人像進行填充閃光時特別方便。



1 按下功能按鈕2< SYNC >，令螢幕顯示< >圖示。

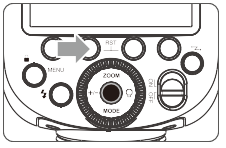


2 檢查取景器中，< >圖示是否顯示。

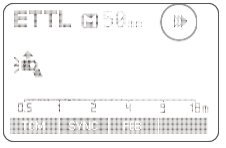
- 如果設置快門速度等於或慢於相機的最大閃光同步速度，取景器中將不顯示< >。
- 使用高速同步，快門速度越高，有效的閃光範圍就越小。
- 要恢復普通閃光，再次按下< SYNC >按鈕。 圖示會消失。
- 無法設置頻閃閃光。
- 連續高速同步閃光15次後，閃光燈熱保護功能可能會被啟動。

第二簾快門同步

使用慢速快門，您可以在被攝體後創建一條光線軌跡。在快門關閉前的瞬間閃光燈閃光。

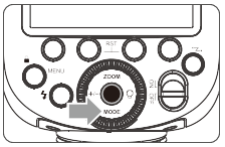


按下功能按鈕2< SYNC >，令螢幕顯示< >圖示。

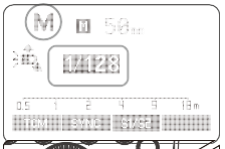


閃光模式：**M** 手動閃光

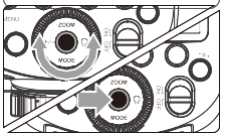
您可以在1/256功率至1/1全功率間以1/10檔為增量設置閃光輸出。為獲得正確的閃光曝光，請使用手持的閃光測光表確定所需的閃光輸出。



1 按<**MODE**>模式選擇按鈕，螢幕顯示<**M**>。



2 轉動調節旋鈕設置閃光輸出功率。



3 按下設置按鈕，確定閃光曝光補償。

S1光控單元設置

在**M**手動閃光模式下，可以使用**S1**功能，閃光燈可作為副燈使用，創造多種照明效果，適用於手動閃光環境。它會與主閃光燈的第一次閃光同步觸發閃光，效果與使用無線引閃器一致。

S2光控單元設置

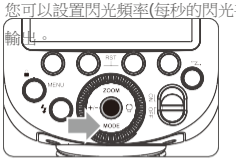
在**M**手動閃光模式下，可以使用**S2**功能，閃光燈可作為副燈使用，適用於TTL閃光環境。具有防預閃功能，使用帶一次預閃功能的相機能用光控實現同步拍攝。它會與主閃光燈的第二次閃光同步觸發閃光，即2次光控引閃。

- 只有在**M**模式下才支援**S1/S2**光控引閃模式。

閃光模式：**Multi** 頻閃閃光

使用頻閃閃光，可以發出一系列快速的閃光。它可以在一張照片上拍攝移動物體的多個圖像。

您可以設置閃光頻率(每秒的閃光次數，以Hz表示)、閃光次數和閃光輸出。

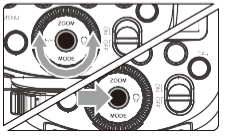


1 按<**MODE**>閃光模式選擇按鈕，螢幕顯示<**MULTI**>

2 設置閃光頻率和閃光次數。

- 按功能按鈕2<Times>選擇閃光次數，旋轉調節旋鈕設定數字。
- 按功能按鈕3<Hz>選擇閃光頻率，旋轉調節旋鈕設定數位。

轉動調節旋鈕設置閃光輸出功率。



3 按下設置按鈕確定，所有設置都將顯示出來。

計算快門速度

在頻閃閃光過程中，到閃光停止為止快門應保持開啟狀態。使用下面的公式計算快門速度，然後用相機進行設置。

閃光次數/閃光頻率＝快門速度

例如，如果閃光次數是10，閃光頻率是5Hz，快門速度則至少為2秒。

⚠ 為防止閃光燈頭過熱並損壞，請勿執行連續10次以上的頻閃閃光連拍。閃光10次後，請讓閃光燈至少冷卻15分鐘。如果您試圖執行連續10次以上的頻閃閃光連拍，為防止閃光燈頭過熱，閃光可能自動停止。如果發生了這種情況，請讓閃光燈至少冷卻15分鐘。

- 反光很強的被攝體在暗背景前使用頻閃閃光更加有效。
- 推薦使用三腳架和遙控開關。
- 閃光輸出為1/1和1/2時不能設置頻閃閃光。
- 頻閃閃光時也可以使用“buLb”。
- 如果閃光次數顯示為--，則閃光燈會連續閃光，直到快門或電池耗盡。如下表所示，閃光次數將受到限制。

最大頻閃閃光次數

閃光輸出 \ Hz	1	2	3	4	5	6-7	8-9
1/4	8	6	4	3	3	2	2
1/8	14	14	12	10	8	6	5
1/16	30	30	30	20	20	20	10
1/32	60	60	60	50	50	40	30
1/64	90	90	90	80	80	70	60
1/128	100	100	100	100	100	90	80
1/256	100	100	100	100	100	90	80

閃光輸出 \ Hz	10	11	12-14	15-19	20-50	60-199
1/4	2	2	2	2	2	2
1/8	4	4	4	4	4	4
1/16	8	8	8	8	8	8
1/32	20	20	20	18	16	12
1/64	50	40	40	35	30	20
1/128	70	70	60	50	40	40
1/256	70	70	60	50	40	40

無線閃光拍攝：無線電(2.4G)傳輸

⚠ ● 當相機的拍攝模式設為全自動模式或程式影像控制區模式時， 無法利用本章中的操作。將相機的拍攝模式設為P/Tv/Av/M/B(創意拍攝區模式)。

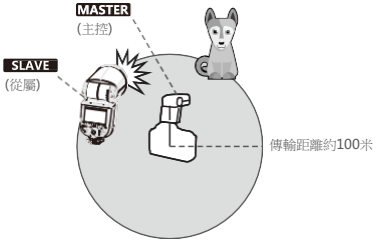
● 安裝在相機上的V1C稱為主控單元，受無線控制的V1C稱為從屬單元。

● 還可以用閃光燈信號發射器**X1T-C**(另購)無線控制設為從屬單元的**V1C**。有關設定主控單元功能的詳細說明，請參考信號發射器的使用說明書。

使具有無線電傳輸無線拍攝功能的閃光燈(主控/從屬)，可按照與普通E-TTL II自動閃光拍攝同樣的方法，輕鬆利用高級無線多重閃光照明進行拍攝。基本相對位置和操作範圍如圖所示，只要將主控單元設定為<**ETTL**>就可以進行無線E-TTL II自動閃光拍攝。

定位和操作範圍(無線閃光拍攝的示例)

● 使用一個從屬單元進行自動閃光拍攝



● 使用附帶的微型支架定位從屬單元。

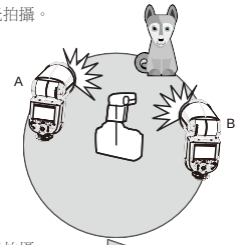
● 開始拍攝前請進行測試閃光和試拍。

● 受從屬單元的位置、周圍環境、天氣狀況等影響，傳輸距離可能更短。

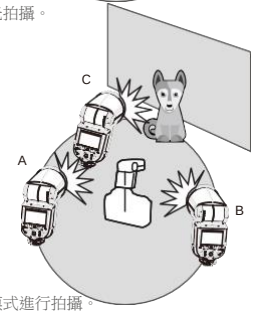
無線多重閃光拍攝

可以將從屬單元分割為兩個或三個組並在改變閃光光比(倍率)的同時進行E-TTL II自動閃光拍攝。此外，可以為各閃光組(最多4個組)設定並用不同的閃光模式拍攝。

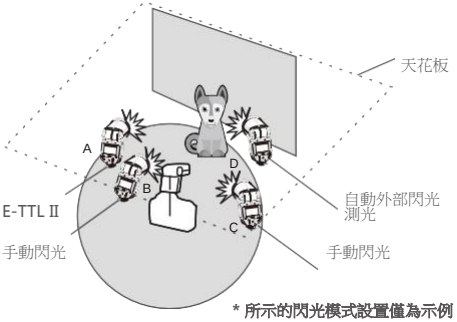
● 用兩個從屬組進行自動閃光拍攝。



● 用三個從屬組進行自動閃光拍攝。



● 用為各組設定的不同閃光模式進行拍攝。

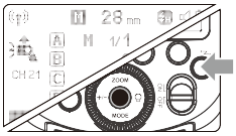


*** 所示的閃光模式設置值為示例**

1、無線設置

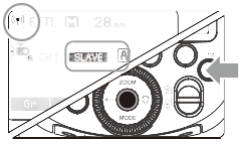
您可以在普通閃光和無線閃光之間切換。對於普通閃光，請務必將無線設置設為“關”。

主控單元設置



按下< >無線設置按鈕，令螢幕顯示( )。

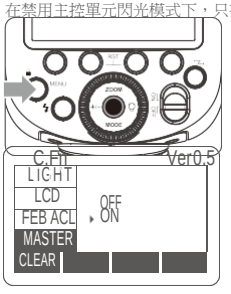
從屬單元設置



按下< >無線設置按鈕，令螢幕顯示<( )>和< SLAVE >。

2、主控單元禁用

在禁用主控單元閃光模式下，只有從屬單元的閃光燈閃光。



1 按<MENU>菜單鍵進入自定義MASTER設置。

2 在MASTER設置為ON/OFF時，控制主控單元的打開與關閉。

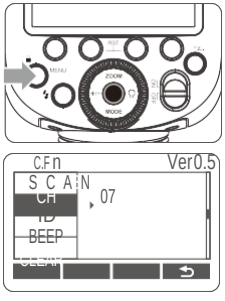
< >：主控閃光燈閃光ON

< >：主控閃光燈閃光OFF

- 即使使用禁用主控單元的閃光燈閃光，它仍然會進行預閃以傳輸無線信號。

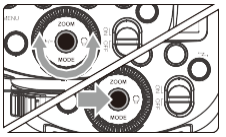
3、設置通訊頻道

如果在拍攝現場不止一個無線閃光系統，您可以通過更改通訊頻道來防止信號干擾。保證主控單元和從屬單元設置為相同的頻道編號即可。



1 按<MENU>菜單鍵進入自定義CH設置。

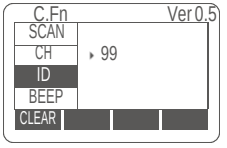
2 在自訂裡<CH>中，旋轉調節旋鈕從1至32中選擇頻道。



3 按下設置按鈕確定。

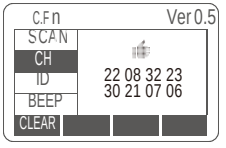
4、無線ID設置

為了避免信號干擾，除了改變無線通訊頻道還可以通過改變無線 ID來防止干擾；主控單元和從控單元設為相同的頻道和無線ID即可。進入C.Fn ID,選擇01-99其中任意一數無線ID打開，選OFF無線ID關閉。



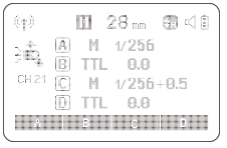
5、掃描空閒頻道設置

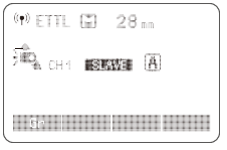
為了避免其他人使用同樣頻道受到干擾，可以使用掃描空閒頻道功能：進入自訂功能表找到SCAN的選項，設置為START時顯示會出現1%到100%的掃描，掃描完成後會出現8組頻道空閒頻道。



6、ETTL: 全自動無線閃光拍攝

使用一個從屬單元的自動閃光拍攝





1 **設置主控單元。**

- 將安裝在相機上的V1C設為主控單元。(第17頁)
- 也可以使用信號發射器X1T-C作為主控單元。X1T-C可以控制V1C的ZOOM值，但ZOOM必須調至自動（A）模式。

2 **設置從屬單元。**

- 將要被無線控制V1C設為從屬單元。(第17頁)

3 檢查傳輸頻道。

- 將主控單元和從屬單元的頻道設為一致。(第17頁)

4 定位相機和閃光燈。

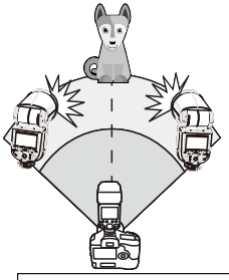
- 將其定位在(第15頁)所示的範圍內。

5 將閃光模式設為**<ETTL>**。
- 按下主控單元上的<MODE>按鈕，令螢幕顯示<ETTL>。
- 在經由主控單元控制的拍攝期間，從屬單元自動設為**<ETTL>**。
- 為了讓主控單元也閃光，將主控閃光燈閃光設為**ON**。(第17頁)

6 檢查閃光燈是否準備就緒。
- 檢查主控閃光燈就緒指示燈點亮。
- 當從屬閃光燈就緒時，自動對焦輔助光發光區域以1秒間隔閃爍。

7 檢查操作。
- 按下主控閃光燈的試閃按鈕<ϟ>。
- 從屬單元閃光。如果從屬單元不閃光，檢查是否將其放置在操作範圍內。

使用多個從屬單元的自動閃光拍攝



當需要更大的閃光輸出或想要更加輕鬆地進行照明時，可以增加從屬單元的數量並將其作為單個閃光燈閃光。
要添加從屬單元，使用與“使用一個從屬單元的自動閃光拍攝”相同的步驟，可以設定任何閃光組(A/B/C/D/E)。
當增加了從屬單元的數量或主控閃光燈閃光設為ON時，執行自動控制以使所有閃光燈以相同的閃光輸出閃光並確保總閃光輸出能夠達到標準曝光。

- 可以按相機上的景深預示按鈕進行造型閃光。
- 如果從屬單元的自動關閉電源生效，按主控單元的測試閃光按鈕打開從屬單元。請注意在相機的測光定時工作期間，無法進行測試閃光。
- 可以改變到從屬單元的自動關閉電源生效為止的時間(C.Fn-Sv STBY/第325頁)。
- 可以進行設置以使自動對焦輔助發射器在從屬單元回電完畢時不閃爍(C.Fn-AF/第25頁)。

使用全自動無線閃光

在主控單元上設定的閃光曝光補償和其他設置也會在從屬單元中自動設定。不需要操作從屬單元。可按照與普通閃光拍攝相同的方法使用以下設置進行無線閃光拍攝。

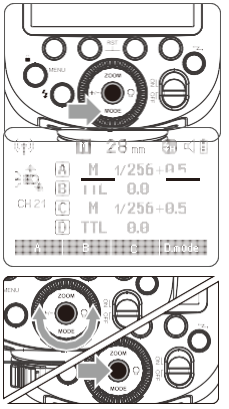
- 閃光曝光補償(ϟ± /第10頁)
- 閃光曝光鎖定(第12頁)
- 手動閃光(第13頁)
- 頻閃閃光(第14頁)

關於主控單元

可以使用兩個或兩個以上主控單元。通過準備多台裝有主控單元的相機，可以在保持相同照明(從屬單元)期間更換相機進行拍攝。

7、M:手動無線閃光拍攝

使用手動閃光的無線(多重閃光)拍攝，可以為每個從屬單元(閃光組)設定不同的閃光輸出進行拍攝。在主控單元上設定所有參數。



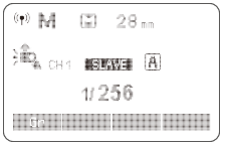
1 **將閃光模式設為<M>。**

2 **設置閃光輸出**
- 按下功能按鈕1/2/3/4<A/B/C/D>，旋轉調節旋鈕為閃光組設定閃光輸出，並按設置按鈕確定。

3 **拍攝照片**
- 各組以設定的閃光光比閃光。

設定<M>閃光模式

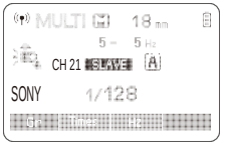
可以直接操作從屬單元以手動設定手動閃光或頻閃閃光。



1 **設定從屬單元。(第17頁)**

2 **設定<M>閃光模式。**
- 按下**<MODE>**模式選擇按鈕令螢幕顯示**<M>**。
- 設定手動閃光輸出。(第13頁)

8、Multi:手動無線閃光拍攝



1 **設定<MULTI>頻閃模式。**

- 按下**<MODE>**模式選擇按鈕令螢幕顯示<MULTI>
- 設定頻閃閃光設置。(第14頁)

神牛2.4G無線漏閃原因及解決辦法

1. 外部環境2.4G信號干擾(如無線基站、2.4Gwifi路由、藍牙設備等)
   → 請調節引閃器的頻道CH設置(建議+10)，找到無干擾的頻道來工作，或者在工作時關閉其他2.4G設備。
2. 請確認閃光燈是否已經回電或者回電速度已經跟上連拍速度(閃光燈就緒指示燈已經亮起)，並且沒有處於過熱保護或者其他異常狀態中
   → 請下調閃光燈的檔位元，如是TTL模式可以嘗試改為M模式(TTL模式下需要預閃一次)。
3. 是否引閃器和閃光燈距離太近(距離<0.5m)
   * 請在引閃器上打開“近距離無線模式”：
   X1系列：按住引閃按鈕不放，然後開機，直至指示燈閃2次。
   Xpro系列：設置C.Fn-DIST為0-30m。
4. 是否引閃器和接收端設備在低電狀態
   → 請更換電池(引閃器電池建議使用1.5V一次性鹼性電池)。

其他應用

同步插孔觸發

同步插孔規格為Φ2.5mm，此處可插入同步線或者觸發器觸發插頭對閃光燈進行同步引閃。

造型閃光

如果相機有景深預視按鈕，按下該按鈕將會進行1秒鐘的連續閃光，這種現象稱之為造型閃光。您可以通過造型閃光查看被攝體上的光影效果及照明平衡，不管是無線拍攝還是普通閃光拍攝，都可以進行造型閃光。

⚠ ● 請勿連續觸發10次以上造型閃光。如果連續進行10次造型閃光，請讓閃光燈至少冷卻10分鐘，以防止閃光燈頭過熱或損壞。

- EOS 300和B型相機不支援造型閃光。

自動輔助對焦燈

在低亮度或低對比度的拍攝情況下，閃光燈內置的自動對焦輔助燈將開啟，使自動對焦更容易。當對焦困難時，紅色輔助對焦燈亮起；當對焦準確，輔助對焦燈自動熄滅。

如想關閉自動輔助對焦功能，在C.Fn設置“AF”至“OFF”。

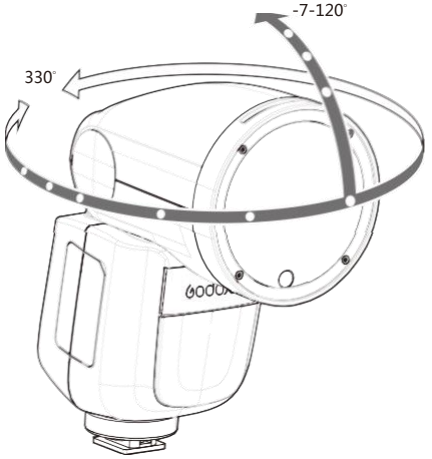
- 用戶在使用時，如發現輔助對焦燈未亮起，是因為相機已經處於準確對焦狀態。

位置	有效範圍
中央	0.6~10米 / 2.0~32.8英尺
邊緣	0.6~5米 / 2.0~16.4英尺

反射閃光

通過將閃光燈頭指向牆壁或天花板，閃光在照亮被攝體前被牆面反射。這可以減輕被攝物體背後的陰影，獲得更自然的攝影效果。稱之為反射閃光。

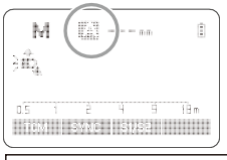
旋轉閃光燈頭來設置反射方向。



● 如果牆壁或天花板太遠，反射閃光可能太弱並導致曝光不足。
● 牆壁或天花板應該是平坦的、白色的以利於高效的反射。如果反射表面不是白色的，照片將出現偏色。

ZOOM：設置閃光覆蓋範圍

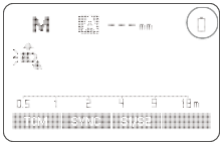
該閃光燈有兩種變焦方式：自動變焦和手動變焦。可以設置閃光覆蓋範圍以匹配28-105毫米的鏡頭焦距。自動變焦時，焦距會隨相機變焦鏡頭的改變而變化，以提供最佳閃光效果。



手動變焦時，按下<ZOOM>變焦按鈕。

● 轉動調節旋鈕更改閃光覆蓋範圍。
● 在顯示< A >狀態下，將自動設置閃光覆蓋範圍。

● 如果手動設置閃光覆蓋範圍，確保其覆蓋鏡頭焦距，這樣照片就不會出現陰影邊緣。



電池電量低時，電池符號 >會閃爍，此時請更換電池。

請對照以下圖表本機應用欄，使用自訂功能來完成設置。

自訂功能符號	功能	設置符號	設置和說明
m/ft	距離指示顯示	m	米
		ft	英寸
AF	自動對焦輔助光閃光	ON	啟動
		OFF	關閉
STBY	自動睡眠設置	ON	啟動
		OFF	關閉
Sv STBY	從屬單元自動關閉電源計時器	60min	60分鐘
		30min	30分鐘
SCAN	掃描空閒頻道	OFF	關閉
		START	開始查找空閒頻道
CH	頻道設置	01~32	32個頻道選擇
ID	無線ID	OFF	關閉
		01-99	選擇01-99任意一個數字打開
BEEP	蜂鳴器	ON	啟動
		OFF	關閉
LIGHT	背光點亮時間	12sec	12秒後自動熄滅
		OFF	一直熄滅
		ON	一直點亮
LCD	液晶屏對比度	-3~+3	7個級別
FEB ACL	閃光包圍曝光自動取消	ON	啟動
		OFF	關閉
MASTER	主控燈控制	OFF	關閉
		ON	啟動

1. 按MENU 按鈕顯示C.Fn 菜單。右上角“Ver x.x”表示軟體版本號。
2. 選擇自訂功能符號。
   旋轉調節旋鈕設置自訂功能符號。
3. 更改設置。
   ● 按設置按鈕，自訂功能編號閃爍。
   ● 旋轉調節旋鈕設置想要的編號，按設置按鈕確定。
   ● 設置自訂功能後按下 < **MENU** > 按鈕，相機可以進行拍攝。
4. 在C.Fn狀態下，長按“Clear”按鈕2秒直至出現“OK”，表示重置C.Fn的參數。

用相機功能表控制閃光

將閃光燈安裝在EOS相機上，可以通過相機控制閃光燈。具體請參照相機使用說明。

- 設置閃光燈說明

  根據閃光模式的不同，可設置不同的功能。

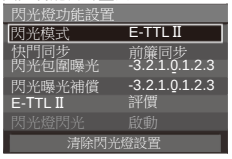
  1. 閃光模式
  2. 快門同步
  3. FEB
  4. 閃光曝光補償
  5. 閃光燈閃光
  6. 清除閃光燈設置

- 閃光燈自訂功能

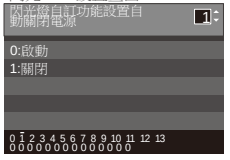
  C.Fn-00, C.Fn-01, C.Fn-03, C.Fn-08, C.Fn-10, C.Fn-20, C.Fn-22, 共7個。

清除所有閃光燈自訂功能

閃光功能自訂畫面



閃光**C.Fn**設置畫面



* 畫面為EOS-1D Mark III 的畫面。

- 如果已經使用閃光燈設置了閃光曝光補償，則無法用相機設置閃光曝光補償，要用相機進行設置時，首先將閃光燈的閃光曝光補償設置為“0”。
- 如果用相機和閃光燈設置閃光曝光補償以外的閃光燈自訂功能和閃光燈功能設置，最後所進行的設置將生效。

保護功能

1. 熱保護

- 為防止閃光燈頭過熱並損壞，請勿在1/1功率時進行超過30次的快速連續閃光。30次連續閃光後，要讓閃光燈至少冷卻10分鐘。
- 如您在進行超過30次連續閃光後馬上繼續進行更多次閃光，內部的防過熱功能可能會被啟動，使充電時間變為10秒以上。如果發生這種現象，請讓閃光燈冷卻約10分鐘，閃光燈便會恢復正常。
- 熱保護啟動後，顯示幕上 的符號會顯示。

啟動熱保護功能的連續閃光次數：

功率	次數
1/1	30
1/2 +0.7	40
1/2 +0.3	50
1/2	60
1/4(+0.3,+0.7)	100
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，啟動熱保護功能的連續閃光次數：

功率	次數
1/1	15
1/2(+0.3,+0.7);	20
1/4(+0.3,+0.7)	30
1/8(+0.3,+0.7);	
1/16(+0.3,+0.7)	40
1/32(+0.3,+0.7);	
1/64(+0.3,+0.7);	50
1/128(+0.3,+0.7);	

2. 其他保護

- 為了保證設備安全的工作，系統時刻進行預防保護，以下提示符號供您參考：

LCD顯示	警示內容
E1	閃光燈回電系統出現問題，無法回電引閃，請重新開機，如無法解決請維修
E2	設備內溫度過高，請停止引閃10分鐘
E3	閃光燈管兩端電壓過高，請維修
E9	固件升級有誤，請進行正確固件升級

規格參數

型號	**V1C**
相容相機	Canon EOS相機(E-TTL Ⅱ自動閃光)
功率 (1/1檔位)	76Ws
閃光覆蓋範圍	28 – 105毫米
	・自動變焦(自動設置適合鏡頭焦距和圖像尺寸的閃光覆蓋範圍)
	・手動變焦
	・閃光燈頭旋轉/傾斜，水準0~330°， 垂直-7°~120°(反射閃光)
閃光持續時間	1/300秒－1/20000秒
・ 曝光控制	
曝光控制系統	E-TTL Ⅱ自動閃光、手動閃光
閃光曝光補償(FEC)	手動，閃光包圍曝光：在±3檔間以1/3檔為增量調節 (可以組合使用手動閃光曝光補償和閃光包圍曝光)
閃光曝光鎖定(FEL)	使用<FEL>按鈕或< * >按鈕
同步方式	高速同步(最高1/8000秒)，前簾同步，後簾同步
頻閃閃光	具備(次數：100次；199Hz)
・無線閃光(無線電2.4G傳輸)	
無線功能	主控單元，從屬單元，關閉
主控單元組	A, B, C, D
可控制從屬單元組	A, B, C, D, E (E組可使用X系列的引閃器控制)
傳輸範圍(約)	100m
頻道	32組：01~32
ID	01~99
造型閃光	使用相機的景深預視按鈕進行閃光
・ 自動對焦輔助光	
有效範圍(約)	中央：0.6 -10米 / 邊緣：0.6-5米
・ LED造型燈	
功率	2w
色溫	3300K±200K
・ 電源	
內裝鋰電	7.2V/2600mAh 鋰聚合物電池
回電時間	約1.5秒，閃光燈準備就緒，LED綠色指示燈亮起
全功率閃光次數	約480次
節能	閃光燈在無人操作90秒左右將會自動關閉電源。 設置為從屬單元時60分鐘進入休眠狀態。
・ 同步觸發方式	熱靴，2.5mm同步線
・ 色溫	5600±200k
・ 尺寸	
體積	76*93*197 mm
淨重(不含電池)	420g
重量(含電池)	530g

故障排除指南

如果遇到問題，請參閱此故障排除指南。

閃光燈不閃光。

- 閃光燈沒有牢固地安裝在相機上。
  →將閃光燈的固定座牢固地安裝在相機上。
- 閃光燈和相機的電子觸點變髒。
  →請清潔觸點。
- < >圖示或< >圖示未出現在相機取景器中。
  →請等待閃光燈充電完成，閃光燈準備就緒指示燈亮起。
  →如果閃光燈準備就緒指示燈已經亮起，相機取景器中的< >圖示或< >圖示仍未亮起，請檢查熱靴連接，確保閃光燈可靠地裝配在相機熱靴上。
  →若等待較長時間，閃光燈準備就緒指示燈一直沒有亮起，請檢查電池是否有電。如果電量低（閃光燈螢幕上電池電壓不足圖示閃爍），請更換電池。

電源自動關閉。

- 當燈作為主控單元時，90秒無操作後，自動電源關閉功能生效。
  ⟶ 半按快門按鈕或機身任意按鍵喚醒。
- 作為從屬單元在60分鐘(或者選擇30分鐘)無任何操作時，閃光燈會進入休眠狀態。
  ⟶ 可按機身任意按鍵喚醒。

自動變焦不工作。

- 閃光燈沒有牢固地安裝在相機上。
  →將閃光燈的固定座牢固地安裝在相機上。

閃光曝光不足或過度。

- 照片中存在反光強烈的物體(玻璃窗戶等)。
  →使用閃光曝光鎖定(**FEL**)。
- 使用高速同步。
  →使用高速同步，有效的閃光範圍會更小。確保被攝體位於顯示的有效閃光範圍內。
- 閃光燈使用手動曝光模式。
  →改為**ETTL**模式或修改閃光輸出功率設置。

相片出現暗角或者被攝物體只有局部能照亮。

- 相機鏡頭焦距超出閃光燈的覆蓋範圍。
  →請檢查閃光燈當前的覆蓋焦距。本產品的燈頭變焦範圍是中畫幅系統的28-105mm。

- 本產品USB介面為Type-C介面，請使用Type-C USB線。
- 產品升級固件需要Godox G3程式軟體支援，升級固件前請先下載安裝“Godox G3固件升級軟體”再選擇相應的固件檔。
- 由於產品進行固件升級，說明書請以最新電子版為准。

相容相機列表

本機可相容以下佳能EOS系列的相機型號：

1DX 5D Mark III 5D Mark II 6D 7D 60D 50D 40D 30D

650D 600D 550D 500D 450D 400D Digital 1100D 1000D

5D Mark IV 7D Mark II 6D Mark II 760D 750D 70D 80D

800D 77D M5 M3 M50 EOS R 1500D 3000D

注：

1. 此表格僅列舉目前已測試的相機型號，未涵蓋所有佳能EOS系列相機。其他相機型號，用戶可自行測試。
2. 本公司保留未來修改此表格內容的權利。

維護保養

- 閃光燈在工作時，如發現異常，應立即關掉電源，查明原因。
- 燈體應避免震動，平時注意表面除塵。
- 燈體稍有發熱為正常現象，無特別需要時，勿連續引閃。
- 閃光燈的所有維修概由本廠指定可供原廠配件之維修部負責。
- 1年保修，消耗品如燈管等，不在1年保修範圍。
- 經發現，擅自檢修此閃光燈的，將取消閃光燈之一年保修期，維修需要收取相關費用。
- 如果本品出現故障或者被水淋濕，在專業人員維修後方可繼續使用。
- 如有技術更改，恕不另行通知。

Foreword

Thank you for purchasing this product.

This V1C camera flash applies to Canon EOS series cameras and is compatible with E-TTL II autoflash. With this E-TTL II compatible flash, your shooting will become simpler. You can easily achieve a correct flash exposure even in complex light-changing environments. This camera flash features:

- With round flash head to achieve soft, even and more creative light effects. It has a 2W LED modeling lamp, which can be used off the camera.
- 76Ws power output at the max step. 81 steps from 1/1 to 1/128.
- Pro 2600mAh Li-ion Battery-max.1.5s recycle-480 full power pops.
- Fully support Canon E-TTL II camera flash. Workable as Master or Slave unit in a wireless flash group.
- Use dot-matrix LCD panel to make clear and convenient operations.
- With built-in 2.4GHz wireless remote system to support transmitting and receiving.
- Provided multiple functions, include HSS (up to 1/8000s), FEC, FEB, etc.
- Stable consistency and color temperature with good even lighting.
- Support with firmware upgrade.

⚠ 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℃. Otherwise the electronic parts may be damaged.
- ⚠ Turn off the flash unit immediately in the event of malfunction.

VING

Pioneering TTL Li-ion Round Head Camera Flash

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 gives supplemental information.

The Note symbol indicates a warning to prevent shooting problem.

Contents

31 **Foreword**

32 **Warning**

35 **Name of Parts**

Body

Control Panel

Dot-matrix LCD Panel

LCD Panel in Three Modes

What's in the Box of V1C Kit?

Separately Sold Accessories

39 **Battery**

40 **LED Modeling Lamp**

40 **Attaching to a Camera**

40 **Power Management**

41 **Flash Mode — E-TTL Autoflash**

FEC (Flash Exposure Compensation)

FEB (Flash Exposure Bracketing)

FEL: Flash Exposure Lock

High-Speed Sync

Second-Curtain Sync

44 **M: Manual Flash**

45 **Multi: Stroboscopic Flash**

46 **Wireless Flash Shooting: Radio (2.4G) Transmission**

Wireless Settings

Master Unit's Flash OFF

Setting the Communication Channel

Wireless ID Settings

Scan the Spare Channel

ETTL: Fully Automatic Wireless Flash Shooting

ETTL: Use the Wireless Flash Shooting of Flash Ratio

M: Wireless Flash Shooting with Manual Flash

Multi: Wireless Flash Shooting with Manual Flash

53 **Other Applications**

Sync Triggering

Modeling Flash

Auto Focus Assist Beam

Bounce Flash

ZOOM: Setting the Flash Coverage

Low Battery Indicator

55 **C.Fn: Setting Custom Functions**

56 **Control with the Camera's Menu Screen**

57 **Protection Function**

58 **Technical Data**

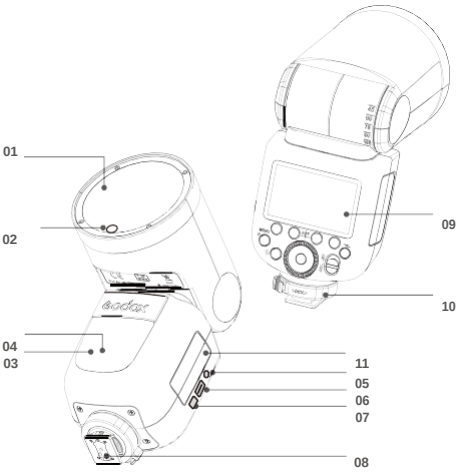
59 **Troubleshooting**

60 **Firmware Upgrade**

60 **Compatible Camera Models**

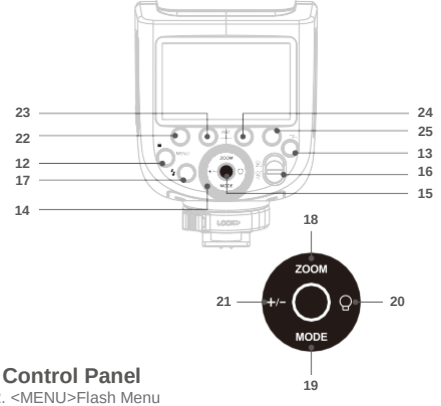
60 **Maintenance**

Name of Parts



● Body

01. Flash Head
02. LED Modeling Lamp(01~10)
03. Wireless Sensor
04. Focus Assist Beam
05. Sync Cord Jack
06. Type-C USB Port
07. Battery Remove Button
08. Hotshoe
09. LCD Panel
10. Hotshoe Fixing Buckle
11. Lithium Battery



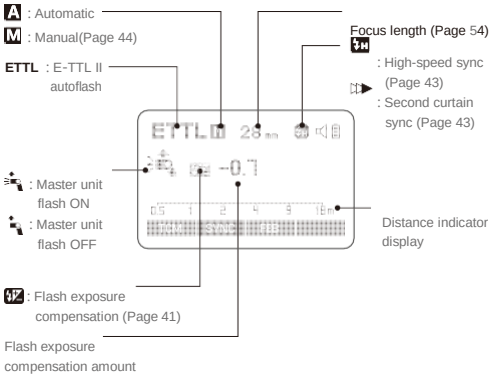
● Control Panel

12. <MENU>Flash Menu Button/Locking Button
13. < >Wireless Selection Button
14. Select Dial
15. Set Button
16. ON/OFF Power Switch
17. < > Test Button / Flash Ready Indicator
18. <ZOOM> Focus Length Setting
19. <MODE>Mode Selection Button
20. < >Modeling Lamp Setting
21. <+/->Power Output
22. Function Button 1
23. Function Button 2
24. Function Button 3
25. Function Button 4

● LCD Panel

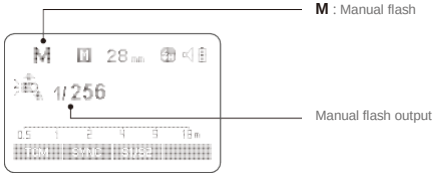
(1)E-TTL Autoflash

Zoom : zoom display (Page 54)

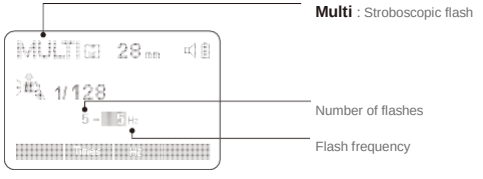


- The display will only show the settings currently applied.
- The functions displayed above function buttons 1 to 4, such as SYNC and <A/B/C/D> , change according to settings' status.
- When a button or dial is operated, the LCD panel illuminated.

(2)M Manual Flash

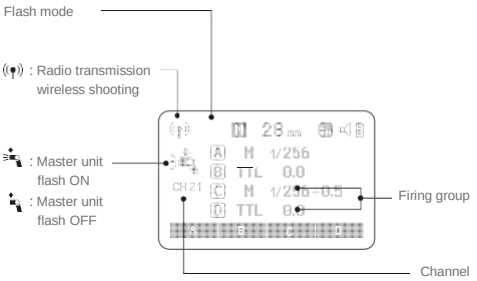


(3) Multi Flash

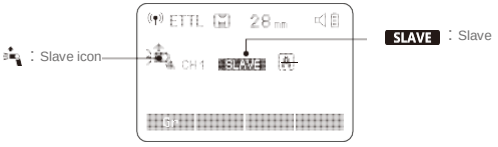


(4) Radio Transmission Shooting

● Master Unit

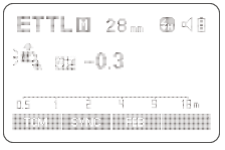


● Slave Unit

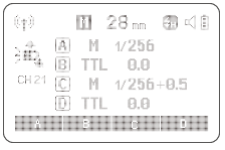


● LCD Panel in Three Modes

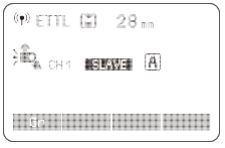
● Attached to the Camera



● 2.4G Radio Transmission: As a Master Unit



● 2.4G Radio Transmission: As a Slave Unit



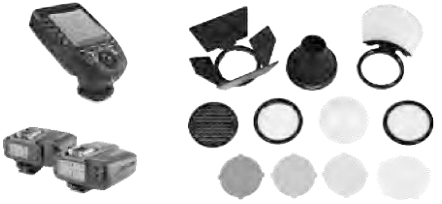
● What's in the Box of V1C Kit?

1. Flash Unit 2. Lithium Battery 3. USB Battery Charger
4. USB Line 5. Charger 6. Mini Stand
7. Protection Case 8. Instruction Manual

● Separately Sold Accessories

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

XProC & X1C TTL wireless flash trigger, AK-R1 accessory kit for round flash head, etc.



Battery

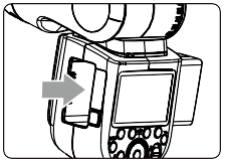
● Features

1. This flash unit uses Li-ion polymer battery which has long runtime. The available charge-and-discharge times are 500.
2. It is reliably safe. The inner circuit is against overcharge, overdischarge, overcurrent, and short circuit.
3. Take only 3.5 hours to fully charge the battery by using the standard battery charger.

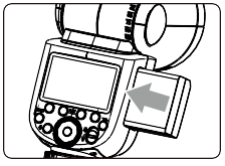
● Cautions

1. Do not short circuit.
2. Do not expose to rain or immerse into water. This battery is not water proof.
3. Keep out of reach of children.
4. No over 24 hours' continuous charging.
5. Store in dry, cool, ventilated places.
6. Do not put aside or into fire.
7. Dead batteries should be disposed according to local regulations.
8. If the battery had ceased using for over 3 months, please make a full recharge.

● Loading and Unloading the Battery



1 To unload the battery, hold down the battery remove button and push the battery downwardly to take it out.



2 According to the triangle sign on the battery pack, insert it into the compartment until a white knob locks the battery with a click sound.

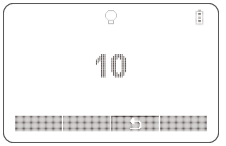
● Battery Level Indication

Make sure the battery pack is securely loaded in the flash. Check the battery level indication on the LCD panel to see the remaining battery level.

Battery Level Indication	Meaning
3 grids	Full
2 grids	Middle
1 grid	Low
Blank grid	Lower battery, please recharge it.
Blinking	The battery level is going to be used out immediately. And the flash will auto power off in 1 minute. Note: Please recharge the battery as soon as possible (within 10 days). Then, the battery can be used or be placed for long period.

LED Modeling Lamp

Press the Modeling Lamp Setting button to set the modeling lamp. Short press the Set Button to turn on or off the modeling lamp. When turning the modeling lamp on, turn the select dial to set its brightness. There are 10 levels(01~10) for choice.



Attaching to a Camera

1 Attach the Camera Flash.
- Rotate the hotshoe fixing buckle to the left and insert the camera flash into the camera's hotshoe.

2 Secure the Camera Flash.
- Rotate the hotshoe fixing buckle to the right until it locks up.

3 Detach the Camera Flash.
- Press the button and rotate the hotshoe fixing buckle to the left until it is loosened.

Power Management

Use ON/OFF Power Switch to power the flash unit on or off. Turn off if it will not be used for an extended period of time. Setting as a master flash, it will turn the power off automatically after a certain period (approx. 90 seconds) of idle use. Pressing the camera shutter halfway or pressing any flash button will wake up the flash unit. Setting as a slave flash, it will enter sleep mode after a certain period (adjustable, 60 minutes by default) of idle use. Pressing any flash button will wake it up.

C.Fn Disabling Auto Power Off function is recommended when the flash is used off camera. (C.Fn-STBY, Page 55)

C.Fn Slave Auto Power Off Timer is set to 60 minutes by default. Another option “30 minutes” is available. (C.Fn-Sv STBY, Page 55)

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.

ETTL Mode

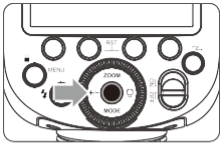
Press < **MODE** > Mode Selection Button to enter E-TTL mode. The LCD panel will display.

- Press the camera release button halfway to focus. The aperture and effective flash range 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.

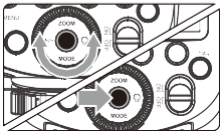
Setting FEC:



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

2 Set the flash exposure compensation amount.

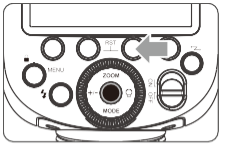
- Turn the Select Dial to set the amount.
- “0.3”means 1/3 step, “0.7”means 2/3 step.
- To cancel the flash exposure compensation, set the amount to “+0”.



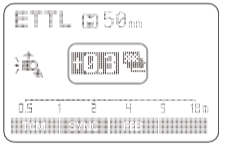
3 Press Set Button again to confirm the setting.

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.

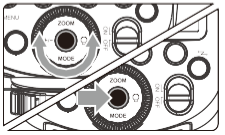


1 Press function button 3 < FEB >. The icon ▨ > and the exposure bracketing amount will be highlighted on the LCD panel.



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.



3 Press Set Button again to confirm the setting. Then your **FEC** and **FEB** settings are displayed on the LCD panel.

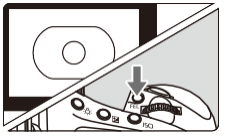
- FEB will be cancelled after three photos are taken.
- For best results, set the camera drive mode to “single” and ensure the flash is ready before shooting.
- FEB can be used with FEC and FEL.

C.Fn You can prevent the FEB from being cancelled automatically after three photos are taken. (C.Fn-FEB ACL , Page 55)

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.

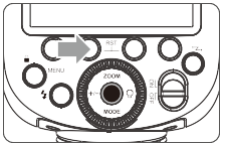
2 Press the <**FEL**> button. Aim the subject at the center of the viewfinder and press <**FEL**> button.

- 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.

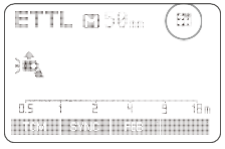
- If the subject is too far away and underexposure, the < > icon will blink in the viewfinder. Move closer to the subject and try the FE lock again.
- If <**ETTL**> is not displayed on the LCD panel, FE lock cannot be set.
- If the subject is too small, FE lock might not be very effective.

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.



1 Press Function Button 2 < > so that < > is displayed.

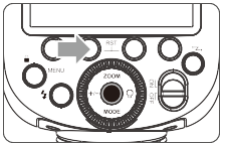


2 Check that < > is displayed in the viewfinder.

- 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 15 consecutive high-speed sync flashes.

Second-Curtain Sync

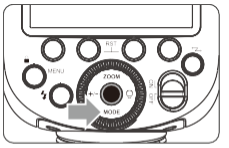
With a slow shutter speed, you can create a light train following the subject. The flash fires right before the shutter closes.



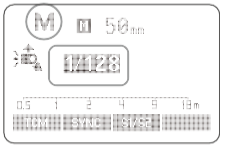
Press function button 2 < SYNC > button so that < > is displayed on the LCD panel.

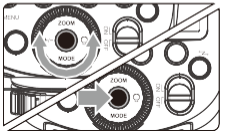
M: Manual Flash

The flash output is adjustable from 1/1 full power to 1/256th power in 1/10th 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.

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.

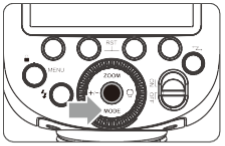
Optic S2 Secondary Unit Setting

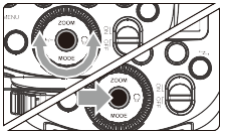
Press <**S1/S2**> button so that this flash can also function as an optic S2 secondary flash with optic sensor in M manual flash mode. This is useful when cameras have pre-flash function. With this function, the flash will ignore a single "preflash" from the main flash and will only fire in response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

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

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 the Function Button 2 <Times> to select the flash times. Turn the Select Dial to set the number.
- Press the Function Button 3 <Hz> to select the flash frequency. Turn the Select Dial to set the number.

3 Turn the Select Dial to choose a desired flash output.

- 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
1/4	8	6	4	3	3	2	2
1/8	14	14	12	10	8	6	5
1/16	30	30	30	20	20	20	10
1/32	60	60	60	50	50	40	30
1/64	90	90	90	80	80	70	60
1/128	100	100	100	100	100	90	80
1/256	100	100	100	100	100	90	80

Flash output \ Hz	10	11	12-14	15-19	20-50	60-199
1/4	2	2	2	2	2	2
1/8	4	4	4	4	4	4
1/16	8	8	8	8	8	8
1/32	20	20	20	18	16	12
1/64	50	40	40	35	30	20
1/128	70	70	60	50	40	40
1/256	70	70	60	50	40	40

Wireless Flash Shooting: Radio (2.4G) Transmission

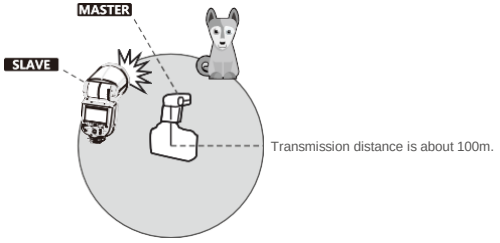
⚠
- When the camera's shooting mode is set to a fully automatic mode or an Image Zone mode, the operations in this chapter are not available. Set the camera's shooting mode to P/Tv/Av/M/B (Creative Zone Mode).

- The V1C attach to the camera is called the master unit, and a V1C that is wirelessly controlled is called the slave unit.
- You can also wirelessly control the V1C set as the slave unit with the transmitter X1T-C (sold separately). For details on setting the master unit functions, see the transmitter's instructions.

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 autoflash shooting just by setting the master unit to <ETTL>.

Positioning and Operation Range (Example of wireless flash shooting)

● Autoflash Shooting with One Slave Unit

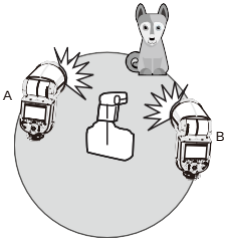


● Use the supplied mini stand to position the slave unit.
- Before shooting, perform a test flash and test shooting.
- The transmission distance might be shorter depending on the conditions such as positioning of slave units, the surrounding environment and whether conditions.

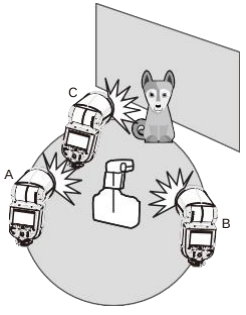
Wireless Multiple Flash Shooting

You can divide the slave units into two or three groups and perform E-TTL II 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 4 groups.

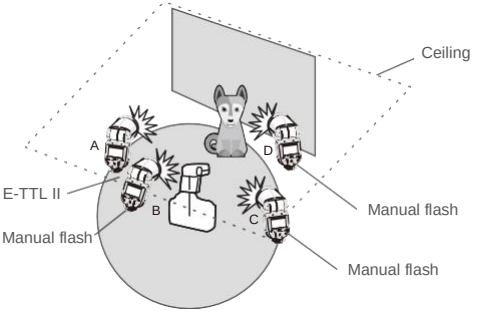
● Auto Shooting with Two Slave Groups



● Auto Shooting with Three Slave Groups



● Shooting with a Different Flash Mode set for Each Group

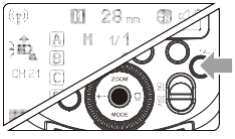


* The flash mode settings are indicated only as an example

1. Wireless Settings

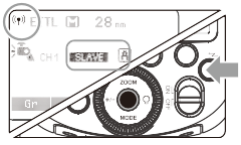
You can switch between normal flash and wireless flash. For normal flash shooting, be sure to set the wireless setting to OFF.

Master Unit Setting



Press < > button so that < > is displayed on the LCD panel.

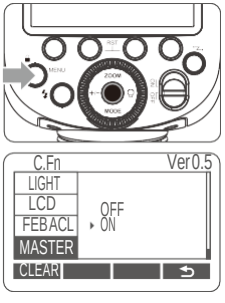
Slave Unit Setting



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

2. Master Unit's Flash OFF

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



1 Press <MENU> Button to enter C.Fn MASTER setting.

2 Set MASTER to ON/OFF to control the On/Off of the master unit.

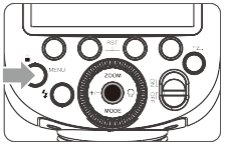
< > : The master unit flash firing is ON.

< > : The master unit flash firing is OFF.

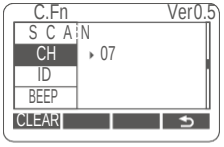
- Even if the master unit flash firing is disabled, it still fires a preflash to transmit wireless signals.

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.

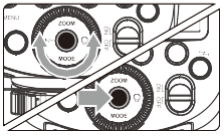


1 Press <MENU> Button to enter C.Fn CH setting.



2 In C.Fn CH, turn the Select Dial to choose channel ID from 1 to 32.

3 Press the Set Button to confirm.



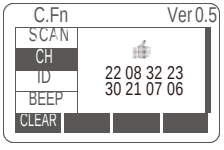
4. Wireless ID Settings

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.

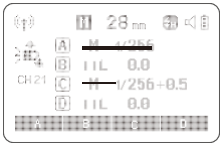
5. Scan the Spare Channel

To avoid the interference of using the same channel by others, this function can be used: enter the C.Fn settings and find the SCAN option. When setting it to START, it will scan from 1% to 100%. And the 8 spare channels will be displayed after the scan is completed. .



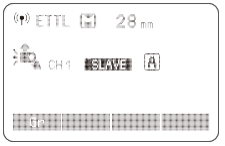
6. ETTL：Fully Automatic Wireless Flash Shooting

Using Automatic Wireless Flash with a Single Slave Unit



1 **Master Unit Setting**

- Attach a V1C camera flash on the camera and set it as the master unit.
- X1T-C can also be used as master unit. X1T-C can control V1C 's ZOOM value when the ZOOM is adjusted to auto (A) mode.



2 **Slave Unit Setting**

- Set the other camera flash as the wireless slave Unit.

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 49)

4 **Position the camera and flashes.**

- Position the camera and flashes as the picture shows. (Page 47)

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.

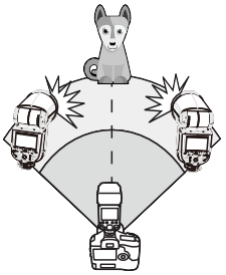
6 **Check that the flash is ready.**

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

7 **Check the flash operation.**

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

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/D/E).
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.

- 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.
- The effective time of slave auto power off is changeable. (C.Fn-Sv STBY Page 55)
- 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 55)

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.

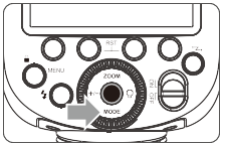
- Flash Exposure Compensation (± Page 41)
- Flash Exposure Lock (Page 42)
- Manual Flash (Page 44)
- Stroboscopic Flash (Page 45)

About Master Unit

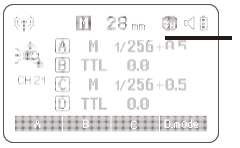
Use two or more master units. By preparing several cameras that with master units flash attached, cameras can be changed in shooting while keeping the same lighting source (slave unit).

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.

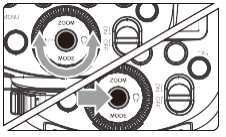


1 Setting the flash mode to <M>.



2 Setting flash output.1/2/3/4<A/B/C/D>

- Press Function Button 3 < ▬ >. Turn the Select Dial to set the flash output of the groups. Press Set Button to confirm.

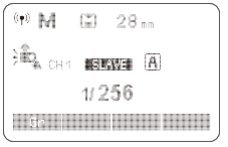


3 Taking the picture.

- Each group fires at the set flash ratio.

Setting <M> Flash Mode

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

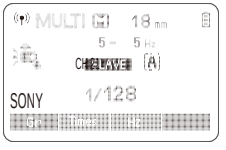


1 Setting the slave unit.

2 Setting flash mode to <M>.

- Press <**MODE**> button so that <**M**> is displayed.
- Set the manual flash output. (Page 44)

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 45)

Other Applications

Sync Triggering

The Sync Cord Jack is a Φ2.5mm plug. Insert a trigger plug here and the flash will be fired synchronously with the camera shutter.

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

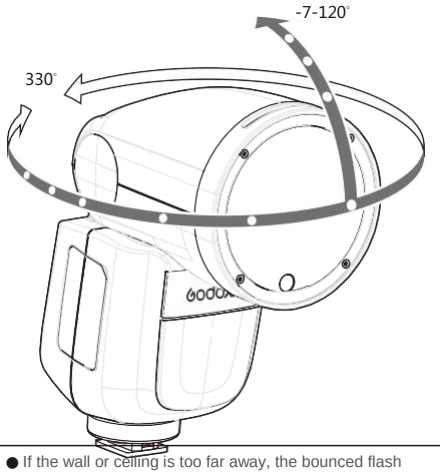
In poorly-lit or low-contrast shooting environments, the built-in auto focus assist beam will automatically light on to make it easier for autofocus. The beam will light up only when autofocus is difficult and get out as soon as the autofocus becomes correct.
If you want to turn off the auto focus assist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

Bounce Flash

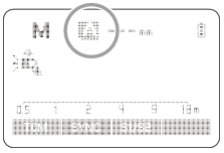
By pointing the flash head toward a wall or ceiling, the flash will bounce off the surface before illuminating the subject. This can soften shadows behind the subject for a more natural-looking shot. This is called bounce flash.
To set the bounce direction, hold the flash head and turn it to a satisfying angle.



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

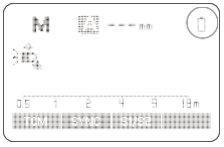
ZOOM: Setting the Flash Coverage

The flash coverage can be set automatically or manually. It can be set to match the lens focal length from 28mm to 105mm.



In Manual Zoom mode, press the <ZOOM> button.
- Turn the Select Dial to change the flash coverage.
- If < A > is displayed, the flash coverage will be set automatically.

ⓘ If you set the flash coverage manually, make sure it covers the lens focal length so that the picture will not have a dark periphery.



Low Battery Warning
If the battery power is low, < > will appear and blink on the LCD panel. Please replace the battery immediately.

C.Fn: Setting Custom Functions

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

C.Fn Custom Functions			
Custom Function Signs	**Function**	**Setting No.**	**Settings & Description**
m/ft	Distance indicator	m	m
		ft	feet
AF	AF-assist beam	ON	ON
		OFF	OFF
STBY	Auto sleep setting	ON	ON
		OFF	OFF
Sv STBY	Slave auto power off timer	60min	60min
		30min	30min
SCAN	Scan the spare channel	OFF	OFF
		START	Start to find the spare channel
CH	Channel setting	01-32	Choose channels from 01-32
ID	Wireless ID	OFF	Off
		01-99	Choose any figure from 01-99
BEEP	Beeper	ON	ON
		OFF	OFF
LIGHT	Backlighting time	12sec	Off in 12 sec.
		OFF	Always off
		ON	Always lighting
LCD	LCD contrast ratio	-3~+3	7 levels
FEB ACL	FEB auto cancel	ON	ON
		OFF	OFF
MASTER	Master unit control	OFF	OFF
		ON	ON

1. Press <MENU> Button until C.Fn menu is displayed. The "Ver x.x" in the top-right corner refers to the software version.
2. Select the Custom Function No.
   - Turn the Select Dial to select the Custom Function No.
3. 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 <**MENU**> button, the camera will be ready to shoot.
4. 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.

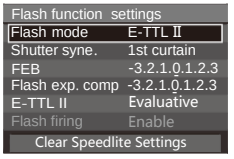
1. Flash mode
2. Shutter sync (1st/2nd curtain, high speed sync)
3. FEB
4. Flash exposure compensation
5. Flash firing
6. Clear camera flash's settings

- Custom Functions of Camera Flash

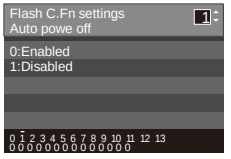
C.Fn-00, C.Fn-01, C.Fn-03, C.Fn-08, C.Fn-10, C.Fn-20, C.Fn-22.

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 30 continuous flashes in fast succession at 1/1 full power. After 30 continuous flashes, allow a rest time of at least 10 minutes.
- If you fire more than 30 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,  is shown on the LCD display.

Number of flashes that will activate over-temperature protection:

Power Output Level	Number of Flashes
1/1	30
1/2 +0.7	40
1/2 +0.3	50
1/2	60
1/4(+0.3,+0.7)	100
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	15
1/2(+0.3,+0.7);	20
1/4(+0.3,+0.7)	30
1/8(+0.3,+0.7);	
1/16(+0.3,+0.7)	40
1/32(+0.3,+0.7);	
1/64(+0.3,+0.7);	50
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:

Prompts on 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	V1C
Compatible Cameras	Canon EOS cameras (E-TTL II autoflash)
Power (1/1 output)	76Ws
Flash Coverage	28 to 105mm
	• Auto zoom (Flash coverage set automatically to match the lens focal length and image size)
	• Manual zoom
	• Swinging/tilting flash head (bounce flash): 0 to 330° horizontally and -7° to 120° vertically
Flash Duration	1/300 to 1/20000 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	
Wireless flash function	Master, Slave, Off
Master groups	A, B, C, D
Controllable slave groups	A, B, C, D, E (E group can be controlled by X series flash trigger)
Transmission range (approx.)	100m
Channels	32 (1~32)
ID	01~99
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
· LED Modeling Lamp	
Power	2W
Color Temperature	3300K±200K
• Power Supply	
Power source	7.2V/2600mAh Li-ion polymer battery
Recycle time	Approx 1.5 seconds. Green LED indicator will light up when the flash is ready.
Full power flashes	Approx. 480
Power saving	Power off automatically after approx. 90 seconds of idle operation. (60 minutes if set as slave)
• Sync Triggering Mode	Hotshoe, 2.5mm sync line
• Color Temperature	5600±200k
• Dimensions	
W x H x D	76*93*197mm
Weight without battery	420g
Weight with battery	530g
2.4G Wireless Frequency Range	2413.0MHz-2464.5MHz
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.
  →If the flash ready indicator does not light up after a long wait, check whether the battery power is enough. If the battery power is low, < > will appear and blink on the LCD panel. Please replace the battery immediately.

The power turns off by itself.

- After 90 seconds of idle operation, auto power off took effect if the flash is set as master.
  ——> Press the shutter button halfway or press any flash button to wake up.
- After 60 minutes (or 30 minutes) of idle operation, the flash unit will enter sleep mode if it is set as slave.
  ——> Press any flash button to wake up.

Auto zoom does not work.

- The camera flash is not attached securely to the camera.
  ——> Attach the camera flash's mounting foot to the camera.

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 **ETTL** or modify the flash output.

Photos have dark corners or only parts of the target subject are illuminated.

- The focal length of lens exceeds the flash coverage.
  ——> Check the flash coverage you set. This flash unit has the flash coverage between 28 and 105mm, which fits medium-format cameras.

Firmware Upgrade

- The USB port is a Type-C USB socket. Type-C USB connection line is applicable.
- As the firmware upgrade needs the support of Godox G3 software, please download and install the "Godox G3 firmware upgrade software" before upgrading. Then, choose the related firmware file.
- As the product needs to do firmware upgrade, please refer to instruction manual of the newest electric version as final.

Compatible Camera Models

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

1DX	5D Mark III	5D Mark II	6D	7D	60D	50D	40D	30D
650D	600D	550D	500D	450D	400D Digital	1100D	1000D	
5D Mark IV	7D Mark II	6D Mark II	760D	750D	70D	80D		
800D	77D	M5	M3	M50	EOS R	1500D	3000D	

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.

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.