

Godox 神牛

X1

TTL 无线引闪器
TTL Wireless Flash Trigger

For Olympus、Panasonic



深圳市神牛摄影器材有限公司
GODOX Photo Equipment Co., Ltd.

地址/Add: 深圳市宝安区福海街道塘尾社区耀川工业区厂房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-X1TZ00-00

Made In China



Instruction Manual
说明书

Chinese English Bilingual | 中英文双语

目录

02	前言	
03	警告	
04	部件	
	机身	
	LCD显示屏	
05	电池	
	安装电池	
	低电池电量指示	
06	使用引闪器	
	无线同步触发闪光灯	
	使用PC接口无线触发闪光灯	
07	设置发射器	
	电源开关	
	HSS高速同步开关	
	频道设置	
	模式设置	
	组别功率POWER/曝光补偿FEC设置	
	频闪分组开关设置	
	频闪参数设置	
	群组值设置	
	试闪	
	造型灯控制	
	自动进入省电模式	
	C.Fn：设置自定义功能	
	照相机方的设置	
	操作方式选择	
20	注意事项	
20	引闪器的保养	
21	规格参数	
22	兼容相机列表	

X 前言

感谢您购买X1T-O TTL无线引闪器。

该TTL无线引闪器只适用Olympus、Panasonic相机控制神牛闪光灯，以及远程直接全方位控制具备神牛X无线系统的闪光灯(如TT685O、V860II O、AD360II、AD600、AD600M、闪客II系列等)。而对于没有具备X无线系统的神牛闪光灯(如V860、V850、AD360等)，可以使用XTR-16或者XTR-16S接收器实现M闪光控制。信号稳定，反应灵敏，方便摄影师灵活布光，满足多种拍摄需求。同时可以连接具有PC接口的相机使用。支持高速闪光同步，最大闪光同步速度达1/8000s*。

*：限制条件——相机的最大快门速度为1/8000s。

警告

- ⚠ 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。
- ⚠ 请保持干燥：请勿用湿手接触产品，亦不可将产品浸入水中或暴露于雨中。
- ⚠ 请勿让儿童接触本产品。
- ⚠ 请勿在易燃易爆环境中使用。在这些场合下，请注意相关警告标识。
- ⚠ 请勿放置在超过50度的高温环境中。
- ⚠ 若发生任何故障，请立即关闭触发器电源。
- ⚠ 使用电池的注意事项
 - 只能使用本手册中列出的电池。请勿混用新旧电池或不同类型的电池。
 - 请仔细阅读并遵守由厂商提供的警告或指示。
 - 切勿使电池短路或拆卸电池。
 - 切勿将电池投入火中或加热升温。
 - 切勿试图以反方向安装电池。
 - 当电量用尽时，电池容易漏液。所以为了避免产品受损，请在长期不使用本产品或电量用尽时取出电池。
 - 如果受损电池中的液体接触到皮肤或衣服，请立即用大量清水冲洗。

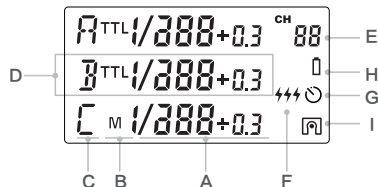
部件

机身



X 部件

LCD显示屏



- (A) M模式下各组输出设置, TTL模式下各组FEC设置 (B) 分组模式设置
(C) 组别 (D) 当前选中的组别(操作方式2) (E) 频道设置 (F) Multi模式符号
(G) 同步时延设置提示 (H) 低电报警图标 (I) 单触点模式已设置指示

X 电池

• 安装电池

滑开发射器与接收器背面的电池盒盖, 根据电池盒内的正负极指示, 分别装入2节AA电池(需另购)。

• 低电池电量指示

电池电量较低时(2节电池<2.4V), 低电图标会闪烁, 此时请更换电池, 否则在距离较远时会出现漏闪或不闪现象。



X 使用引闪器



重要说明

要使用ZOOM设置功能, 请开启机顶灯的自动ZOOM功能。

此款引闪器具备以下功能:

1. 无线同步触发闪光灯

使用方法:

- 1.1 关闭相机电源, 将发射器放置于相机热靴插座上, 打开发射器电源开关和相机电源。
- 1.2 通过“频道设置按钮”选择频道, 使发射器与接收器选择的频道一致。
- 1.3 按下相机快门即可引闪, 同时接收器与发射器“状态指示灯”闪亮红色。



2. 使用PC接口无线触发闪光灯

使用方法:

- 2.1 设置好发射端和接收端的频道和组别。
- 2.2 发射器端缺省将PC接口作为输入口, 控制接收器端的闪光灯进行闪光。
- 2.3 正常方式按下快门。将使用PC接口信号控制闪光。
- 2.4 PC接口可以设置为输出口, 具体操作: 在发射器端长按<CH/OK>按钮, 直到屏幕显示<Fn>, 设置C.Fn- 03值为ou, 将PC接口设置为输出模式。



X 设置发射器

• 电源开关

把电源开关拨至“ON”即可打开电源，状态指示灯不显示。

注意：长时间不使用时请关闭电源，以免耗电！

• HSS高速同步开关

把开关拨至“ON”，HSS高速同步开启；HSS高速同步开启后，分组模式设置图标将会持续闪烁。把开关拨至“OFF”，HSS高速同步关闭。

• 频道设置

1. 短按<CH/OK>按钮，频道值闪烁。
2. 拨动拨盘选择合适的频道值。再次按<CH/OK>按钮，当前频道值被选定。
3. 引闪器共32个频道，可以在1-32频道之间切换。使用前请务必将发射器和接收器置于相同频道。



• 模式设置

1. 短按<GR>按钮，选中组别闪烁，单击向下选择，双击向上选择。
2. 短按<MODE>按钮，选中组的模式会改变。当前组的模式可以在TTL/M/--模式下顺序切换（--代表OFF，当前组将不会闪光）。



X 设置发射器

• 组别功率POWER/曝光补偿FEC值设置

1. 短按<GR>按钮，选中组别闪烁，单击向下选择，双击向上选择。
2. 拨动拨盘以改变功率或者曝光补偿。
如果当前分组处于M模式，其功率输出值将在Min. ([注1])~1/1之间以0.3为增量改变；如果当前分组处于TTL模式，其FEC值在-3~3之间以0.3为增量改变；如果当前分组模式为--（关闭闪光），则无影响。
3. 再短按<CH/OK>按钮，以确认设置值。



[注1]

Min. 指M或Multi模式下能设置的最小输出值。根据C.Fn-05的设置值不同分别为1/128或1/256。在大多数机顶灯上，支持的最小输出是1/128，无法设置到1/256。配合神牛公司的AD600等大功率的影室灯，可以调节最小输出到1/256。

• 频闪分组开关设置

1. 在自定义功能中开启频闪模式(C.Fn-04设置为on)。
2. 短按<GR>按钮，选中组别，单击向下选择，双击向上选择。
3. 短按<MODE>按钮，选中组的模式会改变。
4. 当前组的模式可以在on/--模式下顺序切换（--代表OFF，当前组将不会闪光）。



X 设置发射器

• 频闪参数设置

1. 在进入频闪模式之后才能进入。
2. 按<MODE>按钮，进入频闪参数设置子菜单。
3. 三行显示内容分别为P(输出值)，T(闪光次数)，H(闪光频率)。
4. 短按<GR>按钮，可以选择对应设置值，在设置值闪烁时，拨动转盘修改设置值。继续短按<GR>按钮，直到三项设置值都设置完毕。短按<MODE>按钮，将退出设置状态。



闪光次数受闪光输出值和频率联合制约，闪光次数可能会自动调整。传输到接收端的次数是设置的次数，跟相机快门设置无关。为保证频闪次数正常，请使用下述方程计算相机快门速度：

$$\text{频闪次数} \div \text{频率} = \text{快门速度}$$

• 群组值设置

1. 长按<GR>按钮，可以对与当前分组模式相同的所有分组一起进行设置。
2. 所有与当前分组模式相同的分组值将会闪烁，使用拨盘以改变设置值。
3. 如果当前分组处于M模式，所有模式同样为M的分组的功率输出值都会同步调整。功率输出值可以在 Min.~1/1之间以0.3为增量改变，直到其中一个分组的值达到最大(1/1)或最小(Min.)；如果当前分组处于TTL模式，所有模式同样为TTL的分组的FEC值都会同步调整。FEC值可以在-3~3之间以0.3为增量改变，直到其中一个分组设置值达到最大(3)或最小(-3)；如果当前分组模式为--(关闭闪光)，则无影响。
4. 短按<GR>按钮，以确认设置值。

X 设置发射器

• 试闪

1. 按<TEST>触发按钮，可以测试闪光是否正常。
2. 全按下<TEST>触发按键，此时状态指示灯亮红色，引闪闪光灯。
3. 发射器端的设置值将同时同步到接收端中。

• 造型灯控制

双击<CH/OK>按钮可以控制造型灯的开关。



• 自动进入省电模式

1. 在停止操作发射器超过60秒之后，系统自动进入待机模式，此时LCD显示消失。
2. 要唤醒系统，可以按任意键(<TEST>全按/<CH/OK>/<GR>/<MODE>)。如果发射器安装在Olympus、Panasonic相机热靴上，也可以通过半按相机快门唤醒系统。
3. 如果发射器设置了单触点模式([] 显示)，将不会进入省电模式。

X 设置发射器

• 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。

注：如果对应的自定义功能开启有图标显示，则设置时，该图标会显示，以便于用户了解。

自定义功能编号	功能	设置编号	设置和说明
C.Fn-00	同步时延设置	00	关闭
		1~100	主闪时延N*100us闪光(时延图标  显示)
C.Fn-01	单触点模式	--	关闭
		on	启动(单触点模式已设置图标  显示) 如果发射器用PC线连接相机引闪或相机通过单触点引闪，建议将发射器设置成单触点模式
C.Fn-02	设置Zoom值	--	Zoom功能关闭
		20,24,28,35,50,70,80,105,135,200	固定Zoom值(20/24/28/35/50/70/80/105/135/200mm)
C.Fn-03	PC接口连接相机/闪光灯	in	PC接口连接相机
		ou	PC接口连接闪灯
C.Fn-04	频闪闪光开启、关闭	--	频闪闪光关闭
		on	频闪闪光开启
C.Fn-05	M/Multi模式下最小输出功率	1/128	M/Multi模式最小输出为1/128
		1/256	M/Multi模式最小输出为1/256

X 设置发射器

自定义功能编号	功能	设置编号	设置和说明
C.FN-06	组别数	03	A/B/C
		05	A/B/C/D/E
C.FN-07	闪光灯提示音	--	关闭
		on	开启

1. 长按<CH/OK>按钮2秒或更长，直到显示<Fn>。

2. 选择自定义功能编号。

* 旋转调节旋钮设置自定义功能编号。

3. 更改设置。

* 按<GR>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<GR>按钮确定。

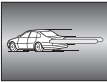
* 设置自定义功能后按下<MODE>模式选择按钮，退出C.Fn设置状态。

• 照相机方的设置

相机的闪光模式请设置在强制闪光、防红眼强制闪光或者后帘同步闪光模式，才可以触发X1T-O。

X 设置发射器

Olympus 相机闪光模式设置:

AUTO	自动闪光	在低光或逆光的拍摄条件下，闪光灯会自动闪光。
	强制闪光	在任何光线条件下闪光操作都可以进行。
	不闪光	闪光灯不闪光。
	红眼减轻闪光	使用此功能可减轻红眼现象。在 S 和 M 模式下，闪光灯始终闪光。
	慢速同步 (第1帘幕)	使用较慢的快门速度增亮灰暗的背景。
	慢速同步 (第1帘幕) / 红眼减轻闪光	慢速同步与减轻红眼相结合。
	慢速同步 (第2帘幕)	闪光灯在快门即将关闭之前闪光，以在移动光源后创建光轨效果。 
	手动	适于喜欢手动操作的用户。若在按 $\odot$ 之后再按 INFO 按钮，您可使用拨盘调整闪光级别。

X 设置发射器

Panasonic 相机闪光模式设置:

MENU → [拍摄] → [闪光] → [闪光模式]		
	[[强制闪光开]]	不管拍摄条件如何，每次都启动闪光灯。
	[[强制闪光开 / 红眼降低]]*	• 本功能适合在拍摄逆光或荧光灯下的被摄物体时使用。 
	[[慢速同步]]	拍摄较暗背景景色的图像时，本功能会在启动闪光灯的同时将快门速度变慢。较暗背景的景色会看起来更亮。
	[[慢速同步 / 红眼降低]]*	• 本功能适合在拍摄暗背景前的人物时使用。 • 使用较慢的速度可能会导致运动模糊。使用三脚架可以增强照片的清晰度。 
	[[强制闪光关]]	在任何拍摄条件下，都不启动闪光灯。 • 本功能适合在禁止使用闪光灯的地方拍摄时使用。 • 仅当使用外置闪光灯时，此项目才可用。

设置发射器

Panasonic 相机闪光模式设置:

设置为后帘同步

适用的模式:  **P A S M** 

后帘同步是指,当使用慢速快门速度拍摄诸如汽车这样运动的物体时,在快门就要关闭前启动闪光灯的拍摄方法。

选择菜单。

MENU →  **[拍摄]** → **[闪光]** → **[闪光同步]**

[1ST]	前帘同步 一般的使用闪光灯拍摄的方法。	
[2ND]	后帘同步 光源照在被摄物体的后面,使图像变得更具动感。	



闪光模式

设置发射器

• 操作方式选择

长按<CH/OK>按键5秒,切换操作方式(方式1/方式2)。

X1T-O操作方式一(默认)

TTL/M模式		
按键	操作	功能
CH/OK	短按	(常态下)进入CH设置状态;(设置状态下)确认返回常态
	双击	控制造型灯ON/OFF
	长按2秒	进入C.Fn设置状态
	长按5秒	切换操作方式(方式1/方式2)
GR	短按	向下选择设置组别
	双击	向上选择设置组别
	长按2秒	选择所有组别
MODE	短按	切换设置组别的闪光模式(TTL/M/OFF)
旋钮	状态	功能
	常态	无(3组)/翻页(5组)
	设置channel状态	调节channel数值
	设置组别状态	调节设置组别的功率POWER/曝光补偿FEC

X 设置发射器

Multi模式(C.FN-04-on)		
按键	操作	功能
CH/OK	短按	(常态下)进入CH设置状态; (设置状态下)确认返回常态
	双击	控制造型灯ON/OFF
	长按2秒	进入C.Fn设置状态
	长按5秒	切换操作方式(方式1/方式2)
GR	短按	向下选择设置组别 (PTH状态下)选择设置功率power/次数times/频率hz
	双击	向上选择设置组别
	MODE	短按
旋钮	状态	功能
	常态	无(3组)/翻页(5组)
	设置channel状态	调节channel数值
	设置功率状态	调节功率数值
	设置次数状态	调节次数数值
	设置频率状态	调节频率数值

X 设置发射器

X1T-O操作方式二

TTL/M模式		
按键	操作	功能
CH/OK	短按	(常态下)进入CH设置状态; (设置状态下)确认返回常态
	双击	控制造型灯ON/OFF
	长按2秒	进入C.Fn设置状态
	长按5秒	切换操作方式(方式1/方式2)
GR	短按	选择设置功率POWER/曝光补偿FEC
	长按2秒	选择所有组别
MODE	短按	(常态下)切换<►组别>模式(TTL/M/OFF)
旋钮	状态	功能
	常态	选择设置<►组别>
	设置channel状态	调节channel数值
	设置组别状态	调节组别的功率POWER/曝光补偿FEC

设置发射器

Multi模式(C.FN-04-on)		
按键	操作	功能
CH/OK	短按	(常态下)进入CH设置状态; (设置状态下)确认返回常态
	双击	控制造型灯ON/OFF
	长按2秒	进入C.Fn设置状态
	长按5秒	切换操作方式(方式1/方式2)
GR	短按	(PTH状态下)选择设置功率power/次数times/频率hz
MODE	短按	(常态下)控制<▶组别>的ON/OFF
		(PTH状态下)返回常态
	长按2秒	进入PTH状态(P-功率power、T-次数times、H-频率hz)
旋钮	状态	功能
	常态	无(3组)/翻页(5组)
	设置channel状态	调节channel数值
	设置功率状态	调节功率数值
	设置次数状态	调节次数数值
	设置频率状态	调节频率数值

注意事项

1. 如不能正确引闪或拍摄, 请检查电池是否正确安装以及是否打开引闪器电源; 引闪器是否设置在同一频道; 连接线或热靴口是否已正确牢固连接到位; 功能模式是否设置正确。
2. 如相机出现只能拍摄不能对焦现象, 请检查机身或镜头是否设定为MF手动对焦, 请设置为AF自动对焦。
3. 如您的引闪器受到他人干扰引闪或拍摄, 改变引闪器的频道设置即可。
4. 如您发现触发距离有限或者有漏闪现象, 请检查是否电池耗尽, 请尝试更换电池。

引闪器的保养

避免跌落: 如果受到强烈碰撞或振动, 引闪器可能会发生故障。

保持干燥: 本产品是非防水产品, 如果将其浸入水中或放置于高湿度的环境中将可能发生故障。内部构造生锈可能会导致无法修理的损害。

避免温度骤变: 温度的突变, 诸如在寒冷天进入温暖的大楼将可能会使引闪器内部结露。为避免结露, 请将引闪器事先装入手提袋或塑料包内, 以防温度突变。

远离强磁场: 无线电广播发射机等设备产生的强静电或强磁场可能会干扰本产品正常工作。

X 规格参数

型号	X1T-O
兼容相机	Olympus、Panasonic相机 支持所有具有PC输出出口的相机
内置无线	2.4G频率
调制方式	MSK
供电方式	2*AA电池
曝光控制	
手动闪光	有
TTL自动闪光	TTL
频闪闪光	有
TTL控制	
高速同步	有
曝光补偿	有，±3档间以1/3档为增量调节
曝光锁定	有
辅助对焦	手动开启
后帘同步	有(相机方设置)
无线闪光	
可控从属单元组	最多5组(A/B/C/D/E)
传输范围(约)	>100米
频道	32个
其他	
时延设置	有(0~10ms, 以100us为单位设置)

X 规格参数

其他	
闪光灯提示音	ON/OFF
造型灯	ON/OFF
ZOOM设置	可以通过发射器调节闪光灯焦距值
显示屏	宽屏液晶显示，背光开启或关闭
输出接口	发射器：PC端子输入、输出
固件更新	通过机身上的Micro USB进行固件升级
记忆功能	设置2秒后的参数会自动记忆，重新开机自动恢复
发射器尺寸/净重	72x75x52(mm)/90g

X 兼容相机列表

本机可兼容以下相机型号：

Olympus: PEN-F, E-P3, E-P5, E-PL5, E-PL6, E-PL7, E-PL8, E-M1, E-M10II

Panasonic: DMC-G85, DMC-GH4, DMC-GF1, DMC-GX85, DMC-LX100, DMC-FX2500GK



- 此表格仅列举目前已测试的相机型号，未涵盖所有Olympus、Panasonic相机。其他相机型号，用户可自行测试。
- 本公司保留未来修改此表格内容的权利。

Contents

24	Foreword	29	Setting the Transmitter
25	Warning		Power Switch
26	Names of Parts		HSS High-speed Sync Switch
	Body		Channel Settings
	Transmitter Panel		Mode Settings
27	Battery		Group POWER/FEC Settings
	Installing Batteries		Multi Flash Group ON/OFF Settings
	Low Battery Level Indication		Multi Flash Parameter Setting
28	Using the Flash Trigger		Group Settings
	As a Wireless Flash Trigger		Test Flash
	As a Wireless Flash Trigger with PC Sync Socket		Modeling Flash Control
			Automatically Enter Power Saving Mode
			C.Fn: Setting Custom Functions
			Setting the Camera
			Selecting the Operation Method
43	Attentions		
43	Caring for Flash Trigger		
44	Technical Data		
45	Compatible Camera Models		

X Foreword

Thanks for your purchase of this X1T-O TTL wireless flash trigger.

This TTL wireless flash trigger only applies to Olympus and Panasonic cameras. It can also directly control flashes which have built-in Godox wireless X system (e.g. TT685O, V860IIIO, AD360II, AD600, AD600M, QuickerII, etc.). As to the flashes which do not have Godox wireless X system (e.g. V860, V850, AD360, etc.), a XTR-16 or XTR-16S receiver can be used in combination to achieve manual flash control. Featuring multi-channel triggering, stable signal transmission, and sensitive reaction, it gives photographers unparalleled flexibility and control over their strobist setups. X1T-O can also connect to the cameras which have PC sync sockets. It supports high-speed sync function and the max flash synchronization speed is up to 1/8000s *.

*: 1/8000s is achievable when the camera has a max camera shutter speed of 1/8000s.

⚠ Warning

- ⚠ Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.
- ⚠ Always keep this product dry. Do not use in rain or in damp conditions.
- ⚠ Keep out of reach of children.
- ⚠ Do not use the flash unit in the presence of flammable gas. In certain circumstance, please pay attention to the relevant warnings.
- ⚠ Do not leave or store the product if the ambient temperature reads over 50°C.
- ⚠ Turn off the flash trigger immediately in the event of malfunction.
- ⚠ Observe precautions when handling batteries
 - Use only batteries listed in this manual. Do not use old and new batteries or batteries of different types at the same time.
 - Read and follow all warnings and instructions provided by the manufacturer.
 - Batteries cannot be short-circuited or disassembled.
 - Do not put batteries into a fire or apply direct heat to them.
 - Do not attempt to insert batteries upside down or backwards.
 - Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove batteries when the product is not used for a long time or when batteries run out of charge.
 - Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

X Names of Parts

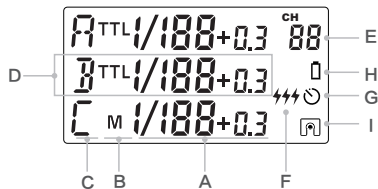
• Body

Transmitter



X Names of Parts

Transmitter Panel



- (A) Output Settings per Group in the M Mode; FEC Settings per Group in the TTL Mode
(B) Mode Settings (C) Group (D) Currently Selected Group (Operation Method 2)
(E) Channel Settings (F) Multi Mode Icon (G) Synchronization Delay Setting Icon
(H) Low Battery Indicator (I) Single Contact Icon

X Battery

● Installing Batteries

As shown in the illustration, slide the battery compartment lid of the transmitter and receiver and insert two AA batteries (sold separately) separately.

● Low Battery Indication

When the battery power (2 AA batteries <2.4V) gets low, Status Indicator Lamp blinks quickly (blink cycle=0.5s). Please replace new batteries, as low power leads to no flash or flash missing in case of long distance.



X Using the Flash Trigger



Note: To set ZOOM functions, please open the ZOOM functions on the camera flash.

The flash trigger features the following functions:

1. As a Wireless Flash Trigger

- 1.1 Mount the transmitter on camera hotshoe and turn it on before turning on the camera.
- 1.2 Set the transmitter and the receiver to the same channel by pressing Channel Setting Button.
- 1.3 Press the camera shutter button, and the flash will be triggered simultaneously. Status Indicator Lamp of transmitter turns red.



2. As a Wireless Flash Trigger with PC Sync Socket

- 2.1 Set the transmitter end and receiver end to the same channel and group.
- 2.2 The transmitter will control the flash on the receiver end to fire via using PC Sync Socket as input by default.
- 2.3 Press the camera shutter and use the PC Sync Socket's signal to control the flash.
- 2.4 PC Sync Socket can also be set as output. Long press the <CH/OK> Button of the transmitter until <Fn> is displayed on the panel. Then, set the value of C.Fn-03 to ou, and the PC Sync Socket is under output mode.



X Setting the Transmitter

• Power Switch

Slide the Power Switch to ON, and the device is on and Status Indicator Lamp will not blink.

Note: In order to avoid power consumption, turn off the transmitter when not in use.

• HSS High-speed Sync Switch

Slide the switch to ON or OFF to control the HSS high-speed sync's on or off.

If is ON, the group's mode setting icon will keep blinking.

• Channel Settings

1. Short press the <CH/OK> Button until the channel amount blinks.
2. Turn the Select Dial to choose the appropriate channel. Press the <CH/OK> Button again to confirm the setting.
3. This flash trigger contains 32 channels which can be changed from 1 to 32. Set the transmitter and the receiver to the same channel before usage.



X Setting the Transmitter

• Mode Settings

1. Short press the <GR> Button and the selected group will blink. Click to choose downwardly and double-click to choose upwardly.
2. Short press the <MODE> Button and the selected groups' modes will be changed by the order of TTL/M/--(-- represents OFF, which means that the current group will not fire flashes in this mode).



• Group POWER / FEC Settings

1. Short press the <GR> Button and the selected group will blink. Click to choose downwardly and double-click to choose upwardly.
2. Turn the Select Dial to change the power or flash exposure compensation settings. When the current group is in the M mode, the power output value is changeable from 1/1 full power to Min. [Note 1] power in 0.3 stop increments. When the current group is in the TTL mode, the FEC amount is changeable from -3 to 3 in 0.3 stop increments. When the current group is in the -- mode (flash off), the amounts will not change.
3. Short press the <CH/OK> Button again to confirm the setting.



X Setting the Transmitter

[Note 1]

Min. refers to the minimum power output value that can be set in M/Multi mode. 1/128 or 1/256 can be set according to C.Fn-05.

The minimum power output value is 1/128 and cannot be set to 1/256 for most of camera flashes. However, the value can change to 1/256 when using in combination with Godox strong power flashes e.g. AD600, etc.

• Multi Flash Group ON/OFF Settings

1. Open the multi flash in the C.Fn Custom Functions (set C.Fn-04 as 1).
2. Short press the <GR> button to select the group. Click to choose downwardly and double-click to choose upwardly.
3. Short press the <MODE> Button to change the mode of selected group.
4. The current group's mode will be changed by the order of on/-- (-- represents OFF, which means that the current group will not fire flashes in this mode).



X Setting the Transmitter

• Multi Flash Parameter Setting

1. Enter into multi flash mode before setting.
2. Press the <MODE> Button to enter multi flash parameter setting menu.
3. Then, P (output value), T (flash times) and H (flash frequency) will be displayed on the LCD panel.
4. Short press the <GR> Button to choose the settings. Turn the Select Dial to change the blinking setting amount. Continue to press the <GR> Button until all the amounts are set. Then, short press the <MODE> Button to exit.



! **Note:** As flash times are restricted by flash output value and flash frequency, it might get automatic adjustment. The times that transported to the receiver end are setting times, which is not related to the camera's shutter setting. To guarantee the normal times of stroboscopic times, please use the formula below to calculate the shutter speed.

Number of Flashes / Firing Frequency = Shutter Speed

• Group Settings

1. Long press the <GR> Button to set all the groups that in the same modes simultaneously.
2. The settings of the groups which are in the same mode with the current group will blink. Turn the Select Dial to change the settings.
3. If the current group is in the M mode, all the other groups which are in the M mode will change their power output value simultaneously. The power output value is changeable from 1/1 full power to Min. power in 0.3 stop increments, until one of the

X Setting the Transmitter

- group's setting turns to the maximum(1/1) or the minimum(Min.). If the current group is in the TTL mode, all the other groups which are in the M mode will change their FEC amount simultaneously. The FEC amount is changeable from -3 to 3 in 0.3 stop increments, until one of the group's setting turns to the maximum(3) or the minimum(-3). If the current group is in the -- mode (flash off), the amounts will not change.
- Short press the <GR> Button again to confirm the setting.

• Test Flash

- Press the <TEST> Trigger Button to see the whether flash will fire normally or not.
- Fully press the <TEST> Trigger Button, and the Status Indicator Lamp turns red and the flash can be triggered.
- The settings on the transmitter end will synchronize to the receiver end at the same time.



• Modeling Lamp Control

Double-click the <CH/OK> Button to power ON/OFF the modeling lamp.

X Setting the Transmitter

• Automatically Enter Power Saving Mode

- The flash trigger will go into standby mode after the transmitter enter sleep mode, and the displays on the LCD panel will disappear.
- Press any of the button (<TEST> fully pressed/<CH/OK>/<GR>/<MODE>) can wake up the flash trigger. If the transmitter is attached to the Olympus or Panasonic camera, half press the shutter can also wake up the system.
- If the transmitter is set to single contact mode( is displayed), the system will not enter power saving mode.

• C.Fn: Setting Custom Functions

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

Note: Some icons will be displayed when setting the relevant custom functions to make users have a good understanding.

Custom Functions No.	Functions	Setting Signs	Settings and Description
C.Fn-00	Synchronization	00	OFF
	delay setting	1~100	Master flash synchronization delay N*100 us (synchronization delay icon  is displayed.)
C.Fn-01	Single contact mode	--	OFF
		on	ON (The single contact mode set icon  is displayed.) It is advisable to set the transmitter to single contact mode when using it to trigger the flash by PC cord or through camera's single contact.

X Setting the Transmitter

Custom Functions No.	Functions	Setting Signs	Settings and Description
C.Fn-02	Zoom setting	--	Zoom is off.
		20,24,28,35,50,70 80,105,135,200	Zoom (20/24/28/35/50/70/80/105/135/200 mm)
C.Fn-03	PC sync socket connects with camera /camera flash	in	PC sync socket connects with camera
		ou	PC sync socket connects with flash
C.Fn-04	Multi Flash ON/OFF	--	Multi flash OFF
		on	Multi flash ON
C.Fn-05	Minimum power output in M/Multi mode	1/128	The minimum power output in M/Multi mode is 1/128
		1/256	The minimum power output in M/Multi mode is 1/256
C.Fn-06	Number of groups	03	A/B/C
		05	A/B/C/D/E
C.Fn-07	Beep	--	ON
		on	OFF

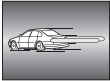
1. Press the <CH/OK> Button for 2 seconds or longer until <Fn> is displayed.
2. Select the custom function No.
* Turn the Select Dial to choose the Custom Function No.
3. Change the Setting.
* Press the <GR> Button until the custom function No. blinks.
* Turn the Select Dial to set the desired number. Pressing <GR> button will confirm the settings.
* Press <MODE> button to exit the C.Fn settings.

X Setting the Transmitter

• Setting the Camera

To trigger X1T-O, please set camera's flash mode to fill flash, red eye reduction flash or rear curtain flash.

Olympus Camera side flash mode setting:

AUTO	Auto flash	The flash fires automatically in low light or backlight conditions.
	Fill-in flash	The flash fires regardless of the light conditions.
	Flash off	The flash does not fire.
	Red-eye reduction flash	This function allows you to reduce the red-eye phenomenon. In S and M modes, the flash always fires.
	SLOW Slow synchronization (1st curtain)	Slow shutter speeds are used to brighten dimly-lit backgrounds.
	SLOW Slow synchronization (1st curtain)/Red-eye reduction flash	Combines slow synchronization with red-eye reduction.
	SLOW2/2nd Curtain Slow synchronization (2nd curtain)	The flash fires just before the shutter closes to create trails of light behind moving light sources. 
	FULL Manual 1/4 etc.	For users who prefer manual operation. If you press followed by the INFO button, you can use the dial to adjust the flash level.

X Setting the Transmitter

Panasonic Camera side flash mode setting:

MENU → [Rec] → [Flash] → [Flash Mode]	
 ([Forced Flash On]) ([Forced On/ Red-Eye])*	The flash is activated every time regardless of the recording conditions. • Use this when your subject is back-lit or under fluorescent light. 
 ((Slow Sync.)) ((Slow Sync./ Red-Eye))*	When taking pictures against a dark background landscape, this feature will slow the shutter speed when the flash is activated. Dark background landscape will appear brighter. • Use this when you take pictures of people in front of a dark background. • Using a slower speed can cause motion blur. Using a tripod can enhance your photos. 
 ([Forced Flash Off])	The flash is not activated in any recording conditions. • Use this when you take pictures in places where the use of flash is not permitted. • This item is available only when using an external flash.

X Setting the Transmitter

Panasonic Camera side flash mode setting:

Setting to the 2nd Curtain Synchro

Applicable modes:          

2nd curtain synchro activates the flash just before the shutter closes when taking pictures of moving objects such as cars using a slow shutter speed.

Select the menu.

MENU → [Rec] → [Flash] → [Flash Synchro]		
[1ST]	1st curtain synchro The normal method when taking pictures with the flash.	
[2ND]	2nd curtain synchro The light source appears behind the subject and picture becomes dynamic.	



Flash Mode

X Setting the Transmitter

• Selecting the Operation Method

Press the <CH/OK> Button for 5 seconds to switch the operation methods (Method 1/Method 2).

X1T-O Operation Method 1(by default)

TTL/M Mode		
Button	Operation	Function
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	Select the group downwardly
	Double-click	Select the group upwardly
	Long press for 2 seconds	Select all the group
MODE	Short press	Switch the flash mode of the group (TTL/M/OFF)
Select Dial	Status	Function
	Normal	No (3 groups)/Turning(5 groups)
	Set the channel	Adjust the channel amount
	Set the power	Adjust the power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

X Setting the Transmitter

Multi Mode (C.FN-04-on)		
Button	Operation	Function
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	Select the group downwardly (under PTH status) Set power/times /hz
	Double-click	Select the group upwardly
	MODE	Short press
Select Dial	Status	Function
	Normal	No (3 groups)/Turning(5 groups)
	Set the channel	Adjust the channel amount
	Set the power	Adjust the power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

X Setting the Transmitter

X1T-O Operation Method 2

TTL/M Mode		
Button	Operation	Function
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	Set POWER/FEC amount
	Long press for 2 seconds	Select all the group
MODE	Short press	(under normal status) Switch the < ► Group>mode (TTL/M/OFF)
Select Dial	Status	Function
	Normal	Set < ► Group>
	Set the channel	Set the channel amount
	Set the group	Adjust the group's POWER/FEC amount

X Setting the Transmitter

Multi Mode (C.FN-04-on)		
Button	Operation	Function
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	(under PTH status) Set power/times /hz
MODE	Short press	(under normal)Control the < ►Group>'s ON/OFF (under PTH status) Back to normal status
	Long press for 2 seconds	Enter PTH status (P-power, T-times, and H-hz)
Select Dial	Status	Function
	Normal	No (3 groups)/Turning(5 groups)
	Set the channel	Adjust the channel amount
	Set the power	Adjust the power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

X Attentions

1. Unable to trigger flash or camera shutter. Make sure batteries are installed correctly and Power Switch is turned on. Check if the transmitter and the receiver are set to the same channel, if the hotshoe mount or connection cable is well connected, or if the flash triggers are set to the correct mode.
2. Camera shoots but does not focus. Check if the focus mode of the camera or lens is set to MF. If so, set it to AF.
3. Signal disturbance or shooting interference. Change a different channel on the device.
4. Operating distance limited or flash missing. Check if batteries are exhausted. If so, change them.

X Caring for Flash Trigger

- **Avoid sudden drops.** The device may fail to work after strong shocks, impacts, or excess stress.
- **Keep dry.** The product isn't water-proof. Malfunction, rust, and corrosion may occur and go beyond repair if soaked in water or exposed to high humidity.
- **Avoid sudden temperature changes.** Condensation happens if sudden temperature changes such as the circumstance when taking the transceiver out of a building with higher temperature to outside in winter. Please put the transceiver in a handbag or plastic bag beforehand.
- **Keep away from strong magnetic field.** The strong static or magnetic field produced by devices such as radio transmitters leads to malfunction.

X Technical Data

Model	X1T-O
Compatible Cameras	Olympus and Panasonic cameras
	Support for the cameras that have PC sync socket.
Built-in remote system	2.4G Wireless transmission
Modulation mode	MSK
Power supply	2*AA batteries
Exposure Control	
Manual flash	Yes
TTL autoflash	TTL
Multi flash	Yes
TTL Control	
High-speed sync	Yes
Flash exposure compensation	Yes, ± 3 stops in 1/3 stop increments
Flash exposure lock	Yes
Focus assist	Manual open
Second curtain sync	Yes (Setting on the camera)
Wireless Flash	
Controllable slave group	Max. 5 groups (A/B/C/D/E)
Transmission range (approx.)	>100m
Channel	32

X Technical Data

Model	X1T-O
Others	
Synchronization delay set	Yes (0~10ms, use 100us as the unit)
Beep	ON/OFF
Modeling flash	ON/OFF
ZOOM setting	Adjust the flash's focal length through the transmitter
Output interface	Transmitter: use a PC cord to input and output
Firmware upgrade	Use the Micro USB port to upgrade
Memory function	Settings will be stored for 2 seconds after last operation and recover after a restart
Dimension/Weight for Transmitter	72x75x52(mm)/90g

X Compatible Camera Models

This flash trigger unit can be used on the following cameras:

Olympus: **PEN-F, E-P3, E-P5, E-PL5, E-PL6, E-PL7, E-PL8, E-M1, E-M10II**

Panasonic: **DMC-G85, DMC-GH4, DMC-GF1, DMC-GX85, DMC-LX100, DMC-FX2500GK**



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