

Camera Flash Trigger 机顶闪光灯触发器

CT-16

说明书



前言

感谢您购买CT-16系列机顶闪光灯触发器。该触发器由发射器和接收器组成，是一款连接相机和机顶闪光灯，通过控制相机来同步引闪机顶闪光灯的遥控器。

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



接收器

- (1) 同步插孔
- (2) 接收器触发信号指示灯
- (3) 电源开关
- (4) 频道转换拨码开关
- (5) 伞孔
- (6) 热靴触发接口
- (7) 电池仓
- (8) 热靴固定座
- (9) 1/4" 支架固定螺孔

发射器



- (10) 试闪按钮
- (11) 频道转换拨码开关
- (12) 热靴插座
- (13) PC线插孔
- (14) 发射器触发信号指示灯

● 附件

- 1、闪光灯同步线
- 2、同步转换接头
- 3、说明书



● 电池及安装

发射器：内置一节23A 12V锂电池，连续触发可达万次以上。
接收器：滑开背面的电池盒盖可装入两节AAA 1.5V碱性电池（另行购置）。

低电量电量指示：

电池电量较低时，会出现漏闪或不闪现象。请更换电池。

更换电池

更换电池时，请执行以下步骤：

- 1、关闭相机电源并断开与遥控器的连接。
- 2、取出电池，再放置新的电池。



▲ 不使用遥控器时：

- 1、发射器耗电量极少，不使用时新电池可待机3年以上，不需要操作。
- 2、接收器上有设定电源关闭开关。不使用时，为了减少电池电量消耗，请将电源开关滑至OFF档位。

● 频道设置说明

CT-16系列无线遥控器共最多有16个频道，使用前请务必将发射器与接收器置于相同频道。频道设置见以下表格内容。

通道数	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
S1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
S2	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
S3	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1
S4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

使用

● 功能介绍

CT-16系列无线遥控触发器采用无线遥控方式工作。发射器采用先进电路，电路设计有待机睡眠功能，功耗极低。接收器由MCU控制解码工作，反映速度灵敏，能满足各种类型相机的同步闪光。

● 连接

- 1、将机顶闪光灯插入接收器的热靴触发接口（6）。
- 2、打开接收器的电源开关（3）。



● 使用

- 1、将发射器与接收器的频道设定拨码开关（11）与（4）拨至相同状态。



- 2、按下发射器试闪按钮（10），发射器的触发信号指示灯（14）闪亮，此时接收器的触发信号指示灯（2）应同时闪亮，闪光灯闪光工作。



- 3、将发射器的热靴插座（12）插入照相机的热靴座，即可正常使用。（不同相机的设置不同）



- 4、若机顶闪光灯采用3.5mm同步插孔，需将所配的闪光灯同步线一端插入接收器的同步插孔（1），另一端插入机顶闪光灯的同步插孔。



- 5、若同时使用闪光灯同步转换线与同步转换接头，可同步引闪影室闪光灯。将所配的闪光灯同步线的一端插入接收器的同步插孔（1），带同步接头的另一端插入影室闪光灯的同步控制插孔。



产品参数

型号	CT-16
频道	16
传输频率	433MHz 无线传输
发射器电源	12V 23A锂电池
接收器电源	3V (AAA *2)
同步插孔	Φ6.35mm / Φ3.5mm
室外工作距离	≤30 m (开阔地带)
室内工作距离	≤20m (开阔地带)
同步时间	1/250秒
发射器尺寸	60*42*30mm
接收器尺寸	90*50*32mm

注意事项

- 1、如不能正确引闪或拍摄，请检查是否设置在同一频道；是否连接线或热靴口已正确牢固连接到位。
- 2、如您的遥控器受到他人干扰引闪或拍摄，请改变遥控器的频道设置即可。
- 3、如您发现触发距离有限或者漏闪现象，请检查是否电池耗尽，请尝试更换电池。
- 4、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。

维护保养

- 1、避免跌落：如果受到强烈碰撞或振动，定时器可能会发生故障。
- 2、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温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。
- 3、避免温度骤变：温度的突变，诸如在寒冷天进出温暖的大楼将可能会使遥控器内部结露。为避免结露，请将遥控器事先装入手提袋或塑料包内，以防温度突变。

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Camera Flash Trigger

CT-16 Instruction Manual



Foreword

Thank you for purchasing CT-16 Series Camera Flash Trigger. It is a control discreteness for camera to trigger camera flash synchronously. The device is composed of two parts, namely signal transmitter and receiver.

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.

Names of Parts

Body



Receiver

- Sync Cord Jack
- Receiving Indicator Lamp
- Power Switch
- Channel Code Switch
- Umbrella Input
- Hot Shoe Flash Connection
- Battery compartment
- Hot Shoe Mounting Foot
- 1/4" Bracket Mounting Hole



Transmitter

- Test Button
- Channel Code Switch
- Camera Hot Shoe
- Sync Cord Jack
- Transmitter Indicator Lamp

Accessories

- Sync Cable
- Convert Adapter
- Instruction Manual



Battery and Battery Installation

Transmitter: The transmitter is equipped with a 23A 12V lithium-ion battery which can normally be used for over ten thousand times.

Receiver: Slide the battery-chamber cover from the back of the receiver and insert two AAA 1.5V alkaline batteries (available separately).

Low Battery Indicator:

LED indicator on receiver will blink fast when the batteries are low. Please change batteries before they run down in case of flash failure or flash missing.

Replacing Batteries:

- Turn the camera off and disconnect the receiver
- Remove the batteries with new ones



When the device is not in use:

- The transmitter consumes little power and can last over three years when it is in spare without any operation.
- The receiver is equipped with a power on/off switch. To reduce the drain on the batteries when the device is not in use, please slide the power to **OFF** position.

Channel Settings

There are 16 channels in this device. Set the transmitter and receiver on the same channel before use. Check the table for channel setting as below:

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
S1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
S2	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
S3	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1
S4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

Instructions for Use

Instructions for Use

CT-16 Series Camera Flash Trigger is based on a wireless remote system. The transmitter is equipped with an advanced electric circuit. It has sleepy function, thus very low power consumption is needed. The receiver is used with alternating current, and it achieves quick response under the advanced MCU control. It can meet the need of sync flash for any different shutter camera.

Connection

Mount the camera flash to Hot Shoe Flash Connection (6) of the receiver.
Turn on the Power Switch (3)



Operation

- Set the transmitter and receiver in the same channel position.



Technical Data

Model	CT-16
Chanel	16
Transmit frequency	433MHz wireless remote system
Transmitter power	12V 23A Aithium-ion battery
Receiver power	3V (AAA *)
Sync socket	Φ6.35mm /Φ3.5mm
Outdoor operation distance	≤30 m (Open space)
Indoor operation distance	≤20m (Open space)
Sync speed	1/250 sec
Transmitter Dimension	60*42*30mm
Receiver Dimension	90*50*32mm

Attentions

- Unable to trigger flash or camera shutter. Make sure the transmitter and receiver are set to the same channel, and the PC cord or the hot shoe mount is completely connected.
- Signal disturbance or shooting interference. Change different channel on the device.
- Operating distance limited or flash missing. Check if the battery is exhausted. Try to change the battery.
- Keep away from strong magnetic field. The strong static or magnetic field produced by devices such as radio transmitter leads to malfunction.

Maintenance

- Avoid falling.** The device may malfunction after strong shocks or under excess stress.
- Keep dry.** The production isn't water-proof. It will lead to malfunction if soaked in water or exposed in high humidity, which cause malfunction and rust, corrosion.
- Avoid sudden temperature changes,** such as the circumstance when taking the remote control out of a building with higher temperature to outside in winter. This may lead to condensation of moisture. Please put the remote control in handbag or plastic bag to prevent sudden temperature changes.

