

Aputure®

Trigmaster PLUS 2.4G

User Manual



Aputure®
www.aputure.com

Aputure Manufacturing Authority

使用者指南

前言

感谢您购买Aputure® (爱图仕) Trigmaster Plus 2.4G, 本产品延续了以往爱图仕产品的优越性能, 并添加了新的功能, 相信会给您带来更加愉悦的摄影体验。您可以通过本说明书轻松掌握产品的使用方法及相关注意事项。为保证拍摄的顺利进行, 照相机及闪光灯的使用请对照相应用户手册。



产品功能简介

Trigmaster Plus 2.4G集快门, 引闪等功能于一体, 用户在使用过程中可根据需求加以选择。本产品采用2.4G频率, 符合所有国家的无线电使用规则, 并且设有6个独立频道, 可满足多摄影师同时工作要求, 并能有效地保证速度、距离及稳定性。当使用指定品牌数码单反相机控制专用闪光灯时, 快门同步速度高达1/250秒, 距离远达120米(开阔地带)。

主要特点:

1. 无线同步触发相机、机顶闪光灯、影视闪光灯、外拍闪光灯
2. "发射+接收"功能置于一体
3. 2.4G传输信号, 性能更加稳定
4. 连环引闪, 使相机和各类闪光灯同步工作
5. 相机遥控相机拍摄, 一台相机可控制多台相机
6. 可唤醒品牌闪光灯(如佳能/尼康/索尼/奥林巴斯等)
7. 120米之内可触发相机和闪光灯, 80米之内无漏闪
8. 快门同步速度高达1/250秒
9. 兼容爱图仕研发、生产的所有Trigmaster家族内的2.4G产品

更方便搭配的方式:

1. 可以单独购买该产品作为接收器, 以便工作时同时控制多台闪光灯
2. 可以单独购买不同快门线来控制多种不同型号相机

各部位名称



主机各部位名称：

- | | |
|--------------|-----------|
| 1. 天线 | 9. 快门触发接口 |
| 2. 状态指示灯 | 10. PC接口 |
| 3. 触发键 | 11. 热靴固定座 |
| 4. 频道指示灯 | 12. 电池舱 |
| 5. 频道按键 | 13. 铜螺母 |
| 6. 机顶闪光灯触发接口 | 14. 电源开关 |
| 7. 工作状态切换档位 | 15. 系绳孔 |
| 8. 影视闪光灯触发接口 | |

附件名称：

- | | |
|------------|---------------|
| 16. 相机遥控线 | 19. 同步转换器 |
| 17. PC线 | 20. 电池：AAA型2节 |
| 18. 闪光灯同步线 | |

电池安装

Trigmaster Plus 2.4G使用二节AAA 1.5V电池。正常可连续使用100小时以上，安装电池，打开电池舱，插入电池前请对准正负极，关闭电池舱。



频道和档位设定

频道设定

Trigmaster Plus 2.4G共6个频道，使用前请务必将用作发射器与接收器的Trigmaster Plus 2.4G都置于相同频道。可以使用一个发射器来同时控制多个接收器，达到同时控制多台闪光灯的目的；或用于多个摄影师于同一环境中工作来控制不同的相机（不同摄影师要设置不同的频道以避免信号干扰）。



频道设定示意图

档位设定

Trigmaster Plus 2.4G用作引闪接收器时，工作状态切换档位设置于RX。Trigmaster Plus 2.4G用作快门遥控触发器、快门遥控接收器或引闪发射器时，工作状态切换档位设置于TX/RX。



档位设定示意图


功能与操作

快门功能操作

有线快门

使用一个 Trigmaster Plus 2.4G，设置于档位 TX/RX，通过相机遥控线与相机相连。半按触发键（发射状态指示灯变为绿色），相机自动对焦；全按触发键（发射状态指示灯变为红色），相机拍摄。



 小贴士：当需要更远距离遥控相机时，请选择无线遥控模式。

遥控快门

同时使用两个 Trigmaster Plus 2.4G 时，分别设置于相同档位 TX/RX 状态下。一个作为快门遥控发射器持于手端，一个作为快门遥控接收器通过相机遥控线与相机端相连。

半按手持端快门遥控器触发键（发射状态指示灯变为绿色），相机自动对焦；全按触发键（发射状态指示灯变为红色），相机拍摄。



遥控连拍或长曝光拍摄（相机设置为B门）

同时使用两个 Trigmaster Plus 2.4G，分别设置于相同档位 TX/RX。一个作为快门遥控发射器持于手端，一个作为快门遥控接收器通过相机遥控线与相机端相连。按下快门遥控发射器触发键并保持三秒后（快门遥控器发射状态指示灯自动熄灭，接收器接受状态指示灯维持红色）释放触发键，相机即可持续曝光或连拍。再次按下快门遥控器触发键，相机解除曝光或连拍（两指示灯熄灭）。

引闪功能操作

无线引闪

同时使用两个（或多个）Trigmaster Plus 2.4G 时，一个作为引闪发射器（设置于档位 TX/RX），通过热靴触接口或 PC 线与相机端相连；另一个作为引闪接收器（设置于档位 RX），通过影视或机顶闪光灯触接口与闪光灯相连。



本地引闪

作为引闪发射器的 Trigmaster Plus 2.4G，亦可通过闪光灯同步线再连接一本地图闪光灯。

按下相机快门（引闪发射器发射状态指示灯变为红色），相机同步触发与发射端相连接的闪光灯。



连环引闪操作

用户可在无线遥控触发相机的同时同步传递信号给闪光灯，使得相机、闪光灯在无线遥控下同时工作，此操作模式被称作‘连环引闪’。同时使用三个(或多个)Trigmaster Plus 2.4G时，一个作为快门遥控发射器置于手中（设置于档位TX/RX），一个同时作为快门遥控接收器和引闪发射器与相机相连（设置于档位 TX/RX），另一个作为引闪接收器与闪光灯相连（设置于RX档）。

半按快门遥控发射器触发键（发射状态指示灯变为绿色），相机自动对焦；全按触发键（发射状态指示灯变为红色），相机拍摄并同步触发与接收器相连接的闪光灯。

 小贴士：所有Trigmaster Plus 2.4G频道设置相同即可，无需区分。



多相机控制操作

使用Trigmaster Plus 2.4G时，一台相机可控制多台相机同时工作。

同时使用三个（或多个）Trigmaster plus 2.4G时，一个作为遥控发射器（设置于档位TX/RX）置于相机热靴上，另外的作为遥控接收器（设置于档位RX）置于相机热靴上，并通过快门遥控线与相机相连，当触发装有发射器的相机快门时，另外的相机同时也被触发。



唤醒功能操作

Trigmaster Plus 2.4G具有唤醒闪光灯的功能。当热靴闪光灯停止工作一段时间后，会自动进入休眠节电状态，这时，具有唤醒闪光灯功能的Trigmaster Plus 2.4G可以自动唤醒闪光灯，并保持相机和闪光灯的同步工作。

兼容性

由我司研发、生产的所有Trigmaster家族内的2.4G产品均可做到互相兼容。

注意事项

引闪测试

本地测试（使用一个Trigmaster Plus 2.4G）

将Trigmaster Plus 2.4G设置于档位RX，每按下触发键一次，可使与之连接的闪光灯引闪输出一次。

遥控测试（使用两个Trigmaster Plus 2.4G）

将一个Trigmaster Plus 2.4G置于手中（设置于档位TX/RX），另外一个连接于闪光灯端（设置于档位RX）。先半按触发键，再按下频道按键可遥控引闪一次。

小贴士：须先半按发射器触发键，再按下频道按键才不会使频道改变，反之则会改变频道设置。释放触发键时要先松开频道按键，再松开触发键，否则也会改变频道。

电量不足提示

当Trigmaster Plus 2.4G状态指示灯呈红色闪烁状态时，意在提示电量不足。

常见问题

Q: 不能正常引闪或拍摄

A: 确认电池是否已经安装并打开了接收器的电源开关

A: 确认发射器与接收器工作状态切换档位是否设置正确

A: 确认发射器和接收器是否设定在同一频道

A: 确认连接线或热靴接口是否已正确连接到位

Q: 相机只能拍摄不能对焦

A: 机身或镜头对焦模式是否设定为MF手动对焦，请设置为AF自动对焦

Q: 受干扰误引闪或拍摄

A: 同步改变发射器和接收器频道设置即可

Q: 触发距离有限

A: 检查是否电池耗尽

A: 尝试变换发射器的位置和角度，见下图

A: 发射器与接收器之间是否有明显障碍物

Q: 信号或拍摄干扰

A: 检查频道是否与其他摄影师频道重叠

技术参数

载频: 2.4G

传输距离: 120米

频道数: 6个

触发同步延时: 1/250秒

连续触发频率: 8帧/秒

体积: 80x48x27毫米

待机: 2000小时

连续工作: 100小时

安全须知

为了防止对产品造成损害或伤害到您自己或他人，请在使用前充分阅读下面的安全须知，并妥善保管以便所有本产品使用者可随时参阅。

👉 请勿自行拆卸或改装

违反此警告可能会触电或导致产品故障。若本产品因为摔落或其它意外事故造成破损，请取出电池，并送到专业维修店维修。

👉 保持干燥

请勿用湿手操作，禁止将产品置于水中或在雨中作业。否则可能引起火灾或触电。

请勿在有易燃气体的环境下使用，违反此警告可能引起爆炸或火灾。

👉 置于儿童接触不到的地方

本产品包含的零部件，有可能造成窒息的危险。如果儿童不小心吞食了零件，请立即送往医院救治。

👉 请勿暴露于高温环境

请勿将本产品置于阳光直射下的封闭的车辆内或其他高温环境。否则可能导致产品发生爆炸。

👉 电池使用安全事项

- 只能使用本手册中指定的电池。
- 不要混用新旧电池或不同类型的电池。
- 请勿拆卸电池或使电池短路。
- 装电池时要注意正负极对应正确。
- 电池电量耗尽时容易发生漏液，为防止对产品造成损害，当长期使用本产品时请将电池取出。
- 如果受损电池中的液体接触到皮肤或衣物，应立即用大量清水冲洗。

Trigmaster Plus 2.4G

User Manual



Foreword

Thank you for purchasing Aputure® Trigmaster Plus 2.4G. It inherits the advantages of previous flash and shutter trigger products while integrating exciting new features, bringing you a remarkable flash control experience. Read this instruction manual to better understand your new Trigmaster Plus 2.4G and maximize your shooting experience. Also refer to your camera and flash manual before use.



Product Introduction

Trigmaster Plus 2.4G features a transmitter and receiver system built into one pocket-sized unit. The Auto-Sensing technology analyzes the status of the Trigmaster Plus 2.4G connection to determine which mode to utilize (transmitter or receiver). With a flash sync speed of 1/250s, a remote distance of 120 meters, and 6 different channels, you'll be able to work efficiently in a variety of conditions.

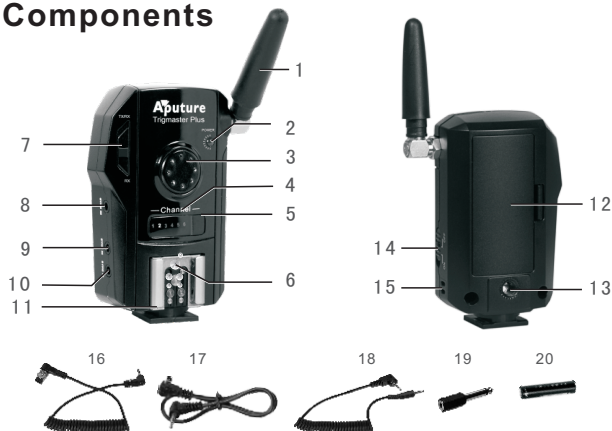
Main Features:

1. Transmitter and Receiver built-in-one
2. Auto-Sensing Technology
3. Interlink Triggering Mode
4. Strobe, Speedlight, and Camera all controllable
5. 2.4G radio frequency, more stable and sensitive
6. Compatible with upcoming all triggers belonging to Trigmaster family
7. Can awaken most branded Speedlights, e.g. Canon, Nikon, Sony, Olympus, etc
8. One camera can shutter multiple cameras
9. Long range up to 120m at any angle, no misfire within 90m
10. Ultra-fast microchips enable sync speeds of 1/250sec
11. Reliable, long range and speedy

Ordering Options:

1. One may order an extra Trigmaster Plus 2.4G to control multiple flashes.
2. One may order an individual remote cable to control different camera models.

Components



Body

1. Antenna
2. Status indicator lamp
3. Trigger button
4. Channel indicator lamp
5. Channel switch
6. Hot shoe connection
7. Function switch
8. Studio flash sync hole
9. Camera remote shutter hole
10. PC_IN hole
11. Fastening nut

12. Battery holder
13. Copper nut
14. Power switch
15. Rope hole

Accessories

16. Remote cable
17. Sync cable
18. PC cable
19. Sync output converter
20. Battery: two AAA1.5V batteries

Battery Setup

Trigmaster Plus 2.4G uses two AAA 1.5V batteries, which can normally be used up to 100 hours. To insert the battery, open the battery hatch by following the arrow's direction; then insert the battery according to the +/- icons, then close the battery hatch.



Switch Settings

Channel Setting

Trigmaster Plus 2.4G contains 6 possible channels. Set all the Trigmaster Plus 2.4G units on the same channel before use. One transmitter can work with multiple receivers to control multiple flashes or multiple cameras simultaneously. Trigmaster Plus 2.4G can also be used by multiple photographers working together to control different cameras, but each photographer must set their own channel different from others to avoid signal disturbance.



Diagram of Channel Setting

Function Setting

When Trigmaster Plus 2.4G works as a flash receiver, the function switch should be set to RX. When Trigmaster Plus 2.4G works as a camera remote trigger, camera remote receiver or flash trigger, the function switch should be set to TX/RX.



Diagram of Function Switch Setting

Operation

Camera Remote Operation

Wired Mode Shutter

Use one Trigmaster Plus 2.4G (function switch set to TX/RX), connected with camera via remote cable.

Half press the trigger button to auto-focus (transmitter indicator lamp turns green); full press the trigger button to take a picture (transmitter indicator lamp turns red).



 **Tips:** Please select wireless mode for longer distance camera remote.

Wireless Mode Shutter

Use two Trigmaster Plus 2.4G units. With each function switch set to TX/RX, one works as a camera remote trigger; while the other works as camera remote receiver connected to camera.

Half press the trigger button of camera remote trigger to auto-focus (transmitter indicator lamp turns green); fully press the trigger button to take a picture (transmitter indicator lamp turns red).



Continuous Shooting and Long-Exposure Settings (Bulb mode)

Use two Trigmaster Plus 2.4G units. With each function switch set to TX/RX, press trigger button of trigger for 3 seconds (transmitter indicator lamp turns off automatically, receiver indicator lamp turns red), then release trigger button, camera starts exposure or continuous shooting. Re-press trigger button, and camera exposure and shooting stops (both transmitter and receiver indicator lamps turn off).

Flash Trigger Operation

Triggering

Use two (or more) Trigmaster Plus 2.4G units. One works as flash trigger (function switch set to TX/RX), connected to camera via Hot-shoe or PC cable; the other one works as flash receiver (function switch set to RX), connected to flash via Sync cable or Hot-shoe.

Press camera shutter (transmitter indicator lamp turns red), flash is triggered at the same time.



Local Flash

Trigmaster Plus 2.4G, when used as flash trigger, can also be connected with one local flash via sync cable.

Press camera shutter (transmitter indicator lamp turns red), and the local flash will be triggered at the same time.



Interlink Triggering Operation

User can remotely trigger a flash in sync with camera to enable the whole system to work simultaneously. This is called relay mode.

Use three (or more) Trigmaster Plus 2.4G units. One works as camera remote trigger held in hand (function switch set to TX/RX); one works as either camera remote receiver or flash trigger (function switch set to TX/RX); the other one works as flash receiver connected with flash (function switch set to RX).

Half-press trigger button of remote camera trigger (transmitter indicator lamp turns green), camera will auto-focus. Full-press trigger button of remote camera trigger (transmitter indicator lamp turns red), camera shutter is activated while triggering flash at the same time.

 **Tips:** Just set all Trigmaster Plus 2.4G's channel switch to the same, no need to be differed.



Multiple Camera Shutter Control

With Trigmaster Plus 2.4G, you can control multiple cameras at the same time. Place one unit on your master camera, and set it to TX/RX mode. Set the other units on your additional cameras, and set them to RX mode (Don't forget to attach the remote shutter cable). When you press the shutter on your master camera, the shutters will be triggered on your additional cameras at the same time.



Wake up Function

Trigmaster Plus 2.4G is able to wake your speedlight flash. When you stop using your flash for a period of time, it will go to sleep and become dormant. When using Trigmaster Plus 2.4G, you can wake up the flash.

2.4G Compatibility

All 2.4G products from the Aputure Trigmaster family are compatible with one another.

Notice


Triggering Test

Local Test (Tested by one Trigmaster Plus 2.4G)

When Trigmaster Plus 2.4G's function switch is set to RX, press the trigger button, and the connected flash will be triggered and flash at the same time.

Remote Test (Tested by two Trigmaster Plus 2.4G)

One Trigmaster Plus 2.4G held in hand(function switch set to TX/RX), the other one connected with flash (function switch set to RX). Half-press the trigger button first, then press the channel switch, and the connected flash will be triggered and flash at the same time.

 **Tips:** To avoid channel changing, make sure to half-press the trigger button before pressing the channel switch, and release the trigger button after releasing the channel switch.

When Trigmaster Plus 2.4G status indicator lamp is red and flickering, the battery power is low.

Troubleshooting

Q: Unable to trigger flash or camera shutter

A: Make sure the battery is installed and receiver power switch turned on.

A: Set the transmitter and receiver to the same channel.

A: Make sure the transmitter and receiver are set to the correct function switch(TX/RX or RX).

A: Make sure the hot shoe mount or PC cable are completely connected.

Q: Camera shoots but doesn't focus

A: Make sure the lens focus mode is set to AF, not MF.

Q: Operating distance limited

A: Check if the battery is exhausted

A: Try to move transmitter's location and angle, as following

A: Check if there is barrier between transmitter and receiver

Q: Signal Disturbance or Shooting Interference

A: Make sure Trigmaster plus 2.4G channel switch settings are different than other photographers.

Specifications

Type:	2.4G wireless remote system
Transmitter distance:	120 meters (open area)
Channel:	6 different channels
Sync-speed:	1/250 sec
Continuous trigger frequency:	8 frames/second
Dimensions:	80x48x27 mm
Power life standby:	2000 hours.
Continuous working time:	100 hours.

For Your Safety

To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use this equipment will read them.

Do not disassemble or modify

Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries.

Keep dry

Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.

Do not use in the presence of flammable gas

Failure to observe this precaution could result in explosion or fire.

Keep out of reach of children

This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

Do not expose to high temperatures

Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperatures. Failure to observe this precaution could result in fire or in damage to the casing or internal parts.

Observe precaution when handling batteries

- Use only batteries listed in this manual. Do not mix old and new batteries or batteries of different types.
- Do not short or disassemble.
- 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 the batteries when leaving the product
- Unattended for prolonged periods or when no charge remains.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.