

Aputure®

Trigmaster PLUS II 2.4G



User Manual



Sirafe Lighting System

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Safety Notice

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.

 **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.
- 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.

Foreword

Thank you for purchasing Aputure® Trigmaster Plus II. It's an exciting new flash trigger full of features to improve your photography. Read this user manual to better understand your new Trigmaster Plus II and maximize your shooting skills. Also refer to your camera and flash manual before use.

1. Product Introduction

Trigmaster Plus II (TP2) is a transmitter and receiver system built into one pocket-sized unit. It uses a common 2.4G signal to trigger strobes, speedlights and cameras. It also has zone control, relay mode, a max flash sync speed of 1/320s, a range of 500 meters, 6 channels, and more. Whatever your triggering needs, you can easily master them with Trigmaster Plus II.

Main Features

Functions

1. Transmitter & receiver all-in-one
2. Interlink triggering mode
3. Four zones
4. Relay mode
5. Multi-camera control
6. Power display
7. Compatible with Aputure 2.4G Triggers

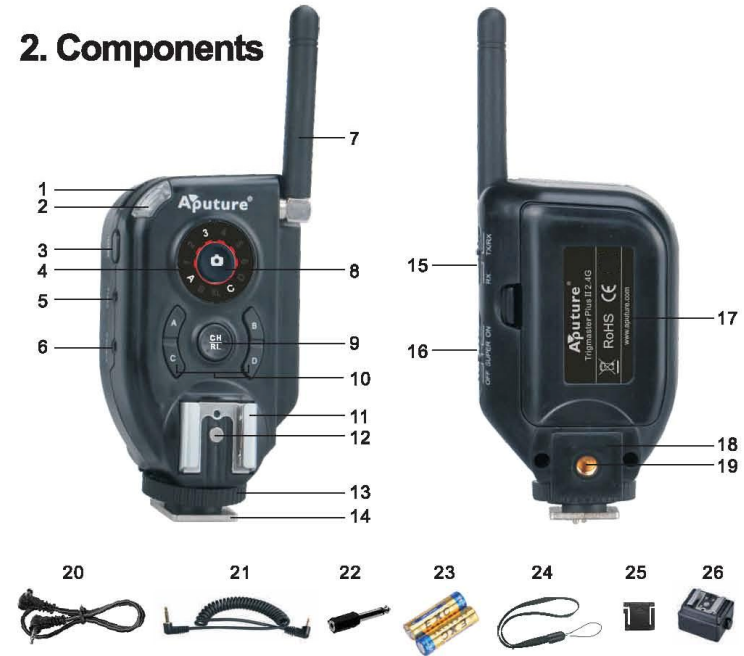
Properties

1. 500m range
2. Two AA batteries
3. Compatible with high voltage flashes (up to 300v)
4. Compatible with various flash brands
5. 2.4G wireless signal
6. Max Sync Speed up to 1/320s
7. Imported super-performance chip

Design

1. Durable metal hot shoe
2. Stable locking wheel
3. Foldable antenna for safety
4. Display panel
5. 1/4" tripod mount on cold shoe
6. Safety strap

2. Components



Body:

- | | | |
|--------------------------------------|-----------------------------|-------------------------|
| 1. Hang strap mount | 8. Trigger button | 15. Mode button |
| 2. LED | 9. Channel switch/RL button | 16. Power switch |
| 3. TEST/POWER indicator | 10. Zone button | 17. Battery compartment |
| 4. Panel (Channel/Zone/RL indicator) | 11. Hot shoe | 18. Cold shoe mount |
| 5. Strobe sync insert | 12. Hot shoe connection | 19. 1/4" tripod mount |
| 6. Shutter/PC insert | 13. Locking wheel | |
| 7. Antenna | 14. Hot shoe mount | |

Accessories:

- | | | |
|---------------------------|----------------------|--|
| 20. PC cable | 23. AA batteries | 26. Hot-shoe Adapter (Only included in Sony Model) |
| 21. Flash sync cable | 24. Hang strap | |
| 22. Sync output converter | 25. Protection cover | |

3. Getting Started and Basic Operation

Ordering Options

- 1) Order an extra unit as receiver.
- 2) Order extra shutter cables to control different cameras.
- 3) Order 3 or more units to take advantage of zones and relay mode.

Battery Installation

TP2 uses 2 AA batteries, which can last up to 80 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.

-  Note:
Turn off before removing batteries.




Modes

- 1) TX/RX - When using unit as flash trigger, camera remote transmitter and camera remote receiver.
- 2) RX - When using unit as flash receiver.



Channel Setting

TP2 has 6 channels. Set all to the same channels and corresponding zone (Refer to P10 to set).

-  Note:
Short press CH/RL button to switch channel.



Test Triggering

Local Test (Uses 1pcs TP2)

Press TEST button of unit on the flash (this unit should be set to RX) to trigger the flash.



Remote Control Test (Uses 2pcs TP2)

Press TEST button of unit in your hand (this unit should be set to TX/RX) to trigger the flash on another receiver (this unit should be set to RX).



Indicator Lights

Operation / Mode		Receiver		
		TX/RX	TX/RX	RX
Remote Shutter Control	Half press Trigger Button	Light green	Light green	No indicator
	Full press Trigger Button	Blink red once	Blink red once	No indicator
	Long press Trigger Button 3s	Light red for 3s	Light red (Light off once press it again)	No indicator
Triggering	Half press camera shutter button	Light green	No indicator	Light green
	Full press camera shutter button	Blink red once	No indicator	Blink red once
	Short press TEST Button	Blink red once	No indicator	Blink red once

Operation / State		Normal	Low Battery Power
Idle	Switch to ON	Blink green once/2s	Blink red once/2s
	Switch to SUPER	Blink green twice/2s	Blink red twice/2s

4. Function and Operation

Triggering

1) Remote Flash Triggering

1. Place one unit on camera hot shoe or connect with camera by PC cable and set to TX/RX.
2. Place one unit on remote flash and set to TX.
3. Press camera shutter button, remote flash will be fired.
4. Works the same way with studio strobes.



Controlling speedlite flash



Controlling studio strobe flash

Note:

1. For flashes that use PC cable should be inserted in TP2's 'CAMERA/PC' port.
2. To use studio strobes, connect flash sync cable with receiver's 'FLASH' port. 1/4" adapter is necessary for most studio strobes.

2) Local Flash Triggering

1. Place TP2 on flash and set to TX/RX.
2. Connect camera to TP2 by PC cable.
3. Press camera shutter to fire flash.



Remote Shutter Control

1) Wired Shutter Control

TP2 can act as a wired shutter release. You only need one unit for this.

1. Set TP2 to TX/RX mode.
2. Connect shutter cable between camera and 'CAMERA/PC' port on TP2.
3. Half press TP2's trigger button to autofocus.
4. Full press trigger button to fire the camera shutter.



Note:

Camera shutter cable should be purchased separately.

2) Wireless Shutter Control

TP2 can remotely control your camera shutter. Use one unit as a transmitter in hand, and another unit as receiver on camera.

1. Set both units to TX/RX.
2. Set both units to the same channel.
3. Place one unit in camera hot shoe, and connect remote shutter cable.
4. Hold one unit in hand, half press trigger button to autofocus, full press to fire the camera shutter.



Note:

No need to set zones to control shutter, and zones are all default open.

3) Continuous Shooting & Long Exposure

TP2 enables continuous shooting and long exposures remotely. Set up the units as shown above for wireless shutter control.

1. Set both units to TX/RX and the same channel.
2. Set camera to appropriate mode (either Continuous drive mode or Bulb mode)
3. Hold down trigger button for 3 seconds (LED on transmitter will turn off, and light red on receiver).
4. Release trigger button, and camera begins continuous shooting or long exposure.
5. Press the trigger button again to end the operation (LEDs turn off).

Battery Status Display

- 1) Hold the 'TEST' button for 1 second to display battery power.
- 2) Level 1 represents low power; level 6 represents high power.
- 3) Indicator lights turn off after releasing 'TEST' button, and displays channels again.
- 4) When displaying level 1, LED blinks red, and batteries should be replaced.



Memory Recall

TP2 can save all information including channels and zone settings, when powered off and back on.

5. Extra Functions

Zone Control

TP2 has four zones: A, B, C, D. Control up to four zones, individually or all at once, when using TP2 as transmitter (TX/RX). Only one zone can be set when using trigger as receiver (RX). Use one unit as transmitter and unlimited units as receiver, to control any combination of flashes or cameras.

Example: Controlling two different flashes.

- 1) Set one flash to zone A, and another flash to zone C.
- 2) Set the transmitter to zone A and C, and press camera shutter to fire both flashes.

- 3) Switch between zone A and C on the transmitter to control the flash of your choice.
- 4) Press camera shutter to fire either corresponding flash.



Note:

1. Set zones to control multiple flashes or cameras, but not when controlling a single camera.
2. Transmitter (TX/RX) can use up to all 4 zones. Receiver (RX) can use only one zone.

Relay Mode (RL)

Triggering range goes farther than 500 meters when using RL mode. Using 3 or more units, you can trigger your camera and flashes from extremely long distances. In order to do this, you must place a 2nd unit between the 1st and 3rd unit, in order to relay the signal. For reference, 1st unit = transmitter, 2nd unit = relays signal, 3rd unit = receiver.

1) Triggering Camera Shutter

1. Set all units to 'SUPER' mode.
2. Set all units to TX/RX.
3. Set 2nd unit to Relay Mode by pressing 'CH/RL' button for 1 second (RL indicator lights green and zones indicators turn off).



2) Triggering Flash / Multiple Cameras

1. Set all units to 'SUPER' mode.

2. Set 1st triggering unit to TX/RX.
3. Set 2nd and 3rd units to RX.
4. Set 2nd unit to Relay Mode by pressing 'CH/RL' button for 1 second (RL indicator lights green and zones indicators turn off).



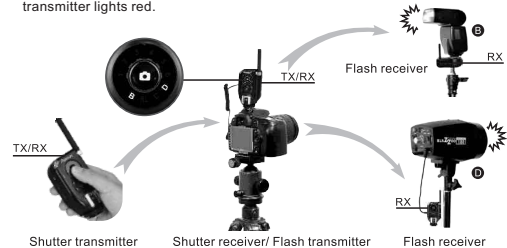
Note:

1. Sync speed will be compromised when using relay mode.
2. Relaying trigger does not display zones, but still uses them.

Interlink Triggering

Using 3 or more units, you can control both a camera and a flash remotely at the same time, while using a trigger in your hand. Even control multiple cameras or flashes. This is called Interlink triggering.

- 1) Use 1st unit as remote trigger in hand (TX/RX).
- 2) Place 2nd unit on camera hot shoe (TX/RX), connect by shutter cable.
- 3) Place 3rd and 4th unit on flash (RX).
- 4) Half-press trigger button on 1st unit to auto-focus. And led on transmitter lights green
- 5) Full-press to fire camera shutter and flash at the same time. And led on transmitter lights red.



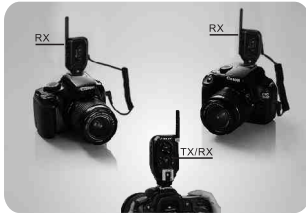
Note:

1. Set all units to the same channel.
2. Can use zones to trigger more flashes in this mode. Just set zones on the shutter camera trigger or flash transmitter and no need to set zones on the handle trigger.

Multi-Camera Control

TP2 can fire multiple camera shutters at the same time, by pressing the shutter button on your primary camera. This is useful for getting multiple angles at once.

- 1) Place 1st unit on primary camera (TX/RX).
 - 2) Place other units on as many cameras as you wish (RX).
- and Connect camera shutter cable on these units.
- 3) Press shutter button on primary camera.
 - 4) All other cameras will be triggered at the same time.



Note:

Must set zones to control multiple cameras. (Refer to P10 to set)

Compatibility

All 2.4G Trigmaster units are able to work with each other.

Note:

1. Ignore zone settings when using earlier Trigmasters.
2. Set all units to the same channel.
3. Match the channels of all Trigmaster 2.4G, more can refer to other Trigmaster's manual.

6. Specifications

Type:	2.4G wireless signal
Channel:	6 channels
Zone:	4 zones
Max sync speed:	1/320s
Dimensions:	92.5*53*29.5mm
Weight:	75g
Standby power:	200h (1.2V, 2500mAH X2)
Working time:	80h (1.2V, 2500mAH X2)

7. Notice

- 1) TP2 uses a 2.4G wireless signal, suitable for most shooting environments.
- 2) Make sure nothing is between triggers for optimal results.
- 3) Extend the antennas for greater triggering reliability.
- 4) Avoid antenna contact with any metal body.
- 5) It may be necessary to adjust the position of antenna for better results.



Orientation of transmitting and receiving TP2's for optimal radio reception.

Keep radios away from metal, concrete, or high water-content

8. Trouble Shooting

Unable to trigger flash.

- Ensure enough battery power.
- Set the transmitter and receiver to the same channel and zone settings are correct.
- Make sure the transmitter and receiver are set to the correct mode (TX/RX or RX).
- Make sure the hot shoe mount or PC cable are completely connected.
- Make sure the speedlite or strobe flash are compatible with TP2.
- Make sure recycle time of your flash is ready.

Unable to fire the shutter.

- Ensure enough battery power.
- Set the transmitter and receiver to the same channel.
- Make sure zone settings are correct to control multiple cameras.
- Make sure the transmitter and receiver are set to the correct mode (TX/RX or RX).
- Make sure the hot shoe mount or shutter cable are completely connected.
- Make sure the camera settings are right.

Some black exists in the photo.

- Max Sync Shutter speed is limited by the camera.
- Flash isn't ready to recycle when fire the shutter.

Camera shoots but doesn't focus.

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

Operating distance limited.

- Check if the battery is exhausted.
- Try to move transmitter's location.
- Remove obstacles between the transmitter and receiver.
- Adjust the position of antenna.
- Try using 'SUPER' mode.

Mistakes happen when triggering or shooting due to interference.

Try other channels or zones.

(The instruction and information in this manual are based on strict, controlled company testing procedures. Further notice will not be given if the design and specifications change.)

<p>Company: Aputure Imaging Industries Co., Ltd Name: Aputure Trigmaster Plus II Model Number: TXII-set FCC ID: 2AABZTXII-SET</p>

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.

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.