



# Wireless Flash Trigger **Pawn**

Product Manual

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This manual is current update of 1st March, 2010.  
Please contact to PIXEL service center for further  
information, if interesting of the combining usage with  
products released after this day.



[Http:// www.pixelhk.com](http://www.pixelhk.com)



Made in China

50707 V20.01

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## Overview

Thank you for purchasing high performance Pixel Pawn product! The functions of Pawn included flashgun trigger, studio light trigger and wireless shutter control. The flash sync speed is up to 1/320s. The shutter control mode included single, continuous, BULB and 4sec delay shooting.

Pawn is using global free channel 2.4GHz and FSK modulation system to make the performance more stable. Particular saving power design which make the transmitter and receiver battery last more time.

Before use this product; you must read carefully and understand the user manual, also be familiar with the usage of your camera and flashgun, it's necessary to ensure you can operate the Pawn correctly.



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## High-performance of PAWN

### Pawn Features

- ◆ Using global free 2.4GHz channel and FSK modulation system, and there's 16 selectable frequency channels.
- ◆ Flash sync speed is up to 1/320s.
- ◆ Support the flashgun wake-up function; you'll never miss any shot opportunity.
- ◆ Fire the flashgun through hot shoe part and fire the studio light through PC socket
- ◆ The Pawn supports to control multiple flashguns and studio lights at same time.
- ◆ Shutter function mode included single, continuous, bulb and 4sec delay shooting.
- ◆ The Pawn supports to control multiple cameras to take shots at the same time.
- ◆ Maximum operating distance is up to 80 meters.
- ◆ Ultra-low standby power consumption; transmitter standby time is more than 2 years, and receiver standby time up to 300 hours.
- ◆ Low voltage design, it's able to use rechargeable batteries.
- ◆ Multi power source design which supply power through charging socket directly when without batteries.

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## Caution before use

1. Make sure the camera and flashgun are all power off before use the device.
2. As Pawn is electronic product, the function will be influenced by the environment. That may cause the abnormality working of camera and flashgun. However, the condition would happen with small possibility.
3. Please don't pull the cable when connecting the trigger with the devices.
4. Don't let the product vibrate strongly, otherwise it possible cause the product break down.
5. Take care of install the battery with anti-polarity, otherwise the battery may leak causticity liquid, get fever or explode.
6. If the device is long time not in use, please turn off the trigger power and take out the batteries.
7. Please keep it dry and don't touch the product with wet hand, also the product do not immerge into water or exposure in rain. Otherwise it'll lead to abnormally working and ever break down the product.

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## Caution before use

8. Don't place the product in the area of high temperature, such as closed car under sunshine, control panel and so on.
9. Please don't use this product in the environment which can easily burned or blast, avoid this warning will cause fire or explode.
10. As this product is related to the battery, the installation must obey the operate principle strictly. Otherwise it may cause explode, fire or body hurt.
11. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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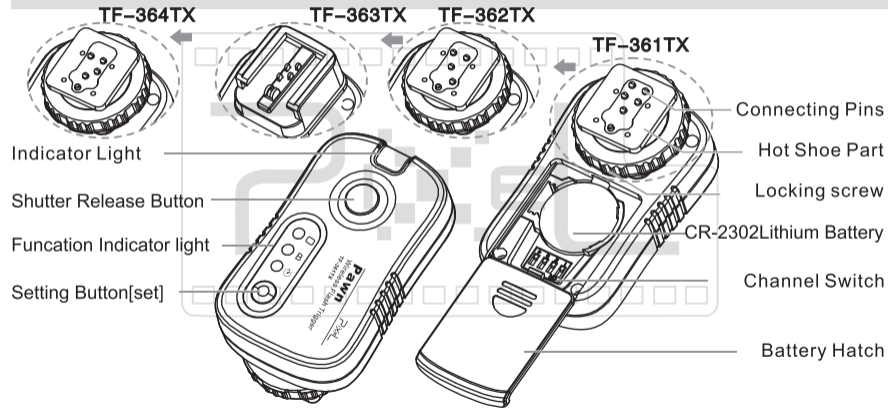
## Included items

Please check the package and make sure the below items are already in the box. If there's missed anything, please contact with the distributor directly.

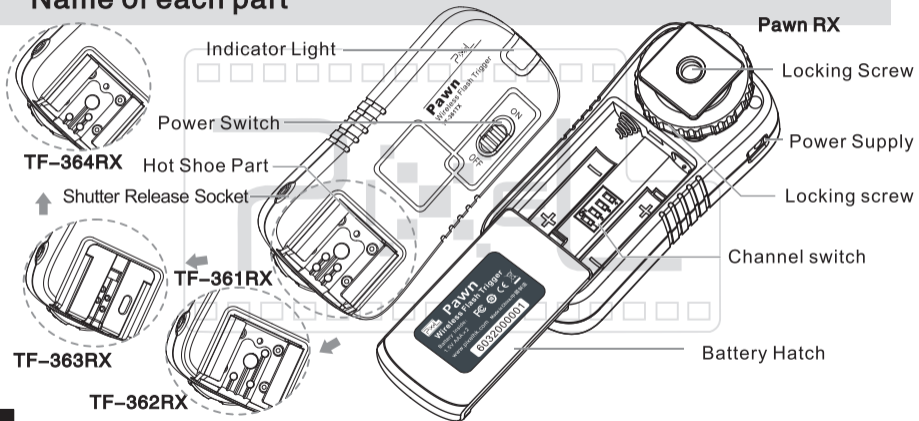
❶ PAWN TX	1set	❹ Shutter control cable	
PAWN RX	1set	TF-361/for Canon	2pcs
❷ AAA lithium battery	2pcs	TF-362/for Nikon	3pcs
❸ CR-2032 battery	1pc	TF-363/for Sony	1pc
( which installed in the product )		TF-364/for Olympus/ Panasonic	3pcs
❹ 2.5mm+3.5 cable	1pc	❺ User manual	1pc
❺ 3.5mm switch to 6.35 plug	1pc	❻ Receiver holding mount	1pc
		❼ Hot shoe protection cover	1pc

☀ Shutter release cable is compatible with camera model.

## Name of each part



## Name of each part



## Basic Operation

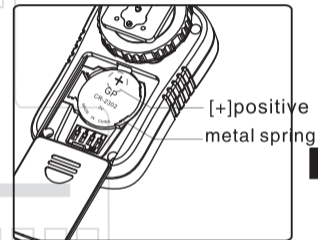
### Install and change the battery:

When the operate distance decrease obviously or the indicator light getting dark or the channel of trigger goes wrong frequently, you need to change the batteries.

### Pawn Transmitter

Please follow the steps to replace the install the battery:

- 1) Slide and open the battery hatch.
- 2) Please press the metal spring to outwards and take the battery.
- 3) Please warranty the positive outwards when fix the battery. Please take care about the polarity to avoid incorrectly installation.

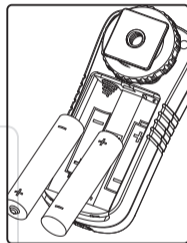


## Basic Operation

### Pawn Receiver

Please follow the steps to replace the install the battery:

- 1) Slide and open the battery hatch.
- 2) Press the battery [+] polar to [-] polar side and pull it out to take out the battery.
- 3) Install the new battery according to the polarity sign in the battery hatch; press the [+] polar to [-] polar to install the battery in the hatch. Please take care about the polarity to avoid incorrectly installation.



## Basic Operation

- 4) Make sure the battery is installed correctly, and then close the battery hatch.

- Please do not disassembly and installation forcibly; otherwise you'll break the product.
- Keep an eye on the battery polarity, incorrect installation will make the machine unable to work normally and destroy the product, even cause property loss and body hurt.

## Basic Operation

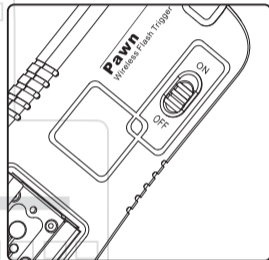
### Power switch:

#### Pawn Transmitter

Because of the transmitter is using ultra-low standby power consumption, there is no power switch on the transmitter. It'll automatic enter to standby after install the battery.

#### Pawn Receiver

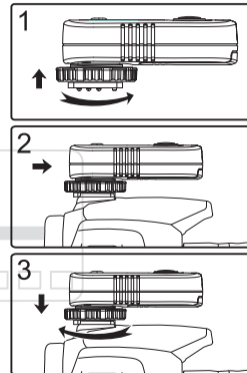
- ◆ Push the power switch [ON] to turn on the power, the indicator light will flash red light every 2 seconds to indicate the receiver is under receiving state.
- ◆ Push the power switch [OFF] to turn off the power, the indicator also turned off.
- ◆ Please turn off the power and take out the battery when not in use for long time.



## Basic Operation

### Install the transmitter

- 1) Make sure the camera is power off before install the transmitter.
- 2) Please turn the hotshoe locking screw to the end of right side.
- 3) Insert the hot shoe into the camera hot shoe mount and make sure it is inserted in place.
- 4) Turn the hot shoe locking screw to the end according to the "LOCK" direction; Tighten the hot shoe locking screw to avoid the transmitter drop from the camera.





## Basic Operation

Remove the transmitter

- 1) Turn off the camera power.
- 2) According to the reverse steps to remove the transmitter from camera.

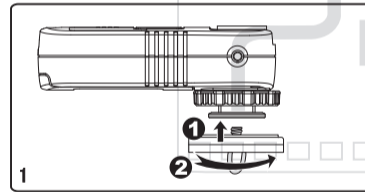
- ⚠ It may miss communicate or drop the receiver from the hot shoe mount, if the hot shoe lock pin is not inserted to the hole or the locking screw is not tighten.
- ⚠ If it's unable to pull the transmitter out from the camera, please make sure the hot shoe locking screw is released completely.
- ⚠ Never pull the transmitter forcibility; otherwise you'll break down the transmitter and camera.
- ⚠ TF-363 transmitter doesn't have hot shoe locking screw, just pull out it.

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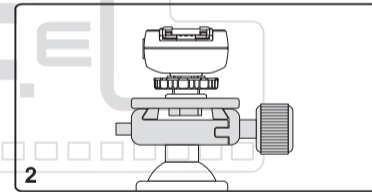
## Basic Operation

Mount the receiver:

There's two different fixative way of the receiver. One is using the hot shoe locking screw other is using tripod screw.  
You can use locking screw to mount on camera; use tripod screw to mount on tripod quick release plate.



1) Follow the picture to insert the tripod screw on quick release plate and tighten it.



2) Follow the picture to install the quick release plate on the tripod ball head.

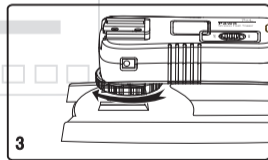
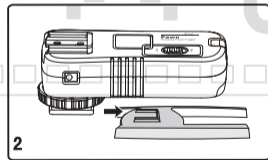
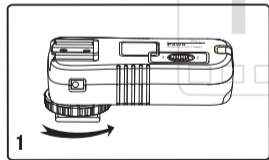
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## Basic Operation

The tripod screw can be held on light stand, stand mount and any holder which having the screw nut.

### Receiver mounts on light stand:

- 1) Follow the picture shown to loose the locking screw as right direction
- 2) Insert the flashgun on the light stand as picture shown.
- 3) Follow the picture shown to tight the locking screw as left direction

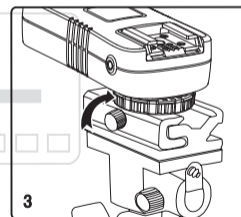
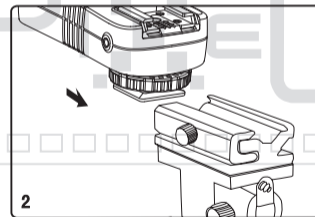
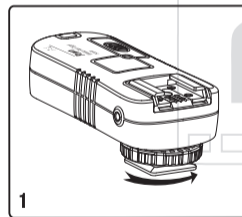


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## Basic Operation

### Install the receiver on the type B stand

- 1) Follow the picture shown to loose the locking screw as right direction
- 2) Insert the flashgun on the Type B stand as picture shown.
- 3) Follow the picture shown to tight the locking screw as left direction

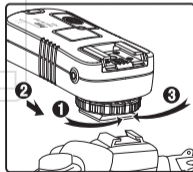
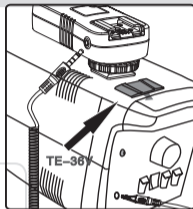


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## Basic Operation

### Install the receiver to studio light

- 1) Remove the bottom sticker from [TE-36V] and stick it on studio light as the picture.
- 2) Loose the locking screw to right.
- 3) Insert the receiver on the [TE-36V] as the picture.
- 4) Tight the locking screw to left.



### Insert the receiver on camera hot shoe

When using the receiver for wireless shutter function, you can hold the receiver on camera hot shoe mount. (The installation step is same as light stand installation)

## Basic Operation

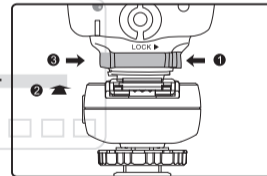
### Receiver connects to flashgun

Before insert the flashgun on the receiver; please make sure the flash power is off, and turned on the receiver power with finished the channel setting.

### Control the on-top flashgun:

Install the flashgun on TF-361RX

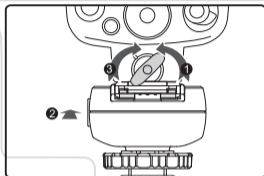
- 1) Turn the holding lock to left for release the hot shoe lock.
- 2) Insert the flashgun on the receiver hot shoe.
- 3) Turn the holding lock to right for tight the flash.



## Basic Operation

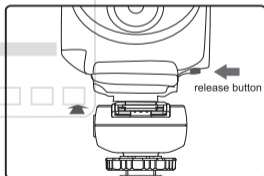
### Install the flashgun on TF-362RX

- 1) Turn the locking screw to left for release the hot shoe lock.
- 2) Insert the flashgun on the receiver hot shoe.
- 3) Turn the locking screw to right for tight the flash.



### Install the flashgun on TF-363RX

Insert the flashgun to the receiver hot shoe directly.  
Press the release button to pull out from hot shoe when remove the flashgun.



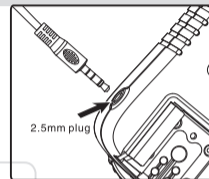
**TF-364RX installation is same as TF-361RX**

## Basic Operation

### Connect the receiver with the studio light.

Using the item 3.5mm cable (sometime with 6.35mm adaptor) to connect the studio light with PAWN.

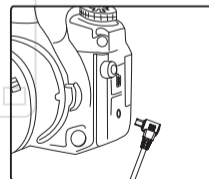
- 1) Follow the picture as insert 2.5mm plug to PAWN receiver 2.5mm socket.
- 2) Insert 3.5mm plug to studio socket.
- 3) If the studio light only support 6.35mm plug, you need to use the 6.35mm adaptor to connect the cable.



### Connect receiver with camera

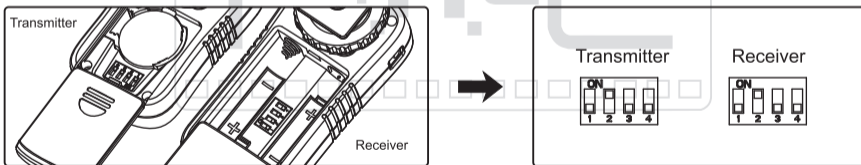
You need to connect the receiver to the camera through shutter release cable when control the camera shooting.

- 1) Insert the shutter release cable plug in PAWN receiver 2.5mm socket.
- 2) Open the camera shutter plug protection cover.
- 3) Follow the picture to insert the cable to camera directly.



## Channel setting

- ◆ Pawn channel switch is inside the battery hatch.
- ◆ Open the battery hatch to set the channel.
- ◆ Totally 16 difference channels for Pawn.
- ◆ When using multi-set Pawn in the same area, you may need to change to difference channel.
- ◆ Finish the channel setting; you need to double check the receiver and transmitter are in the channel.
- ◆ When you get any frequency jamming, you need to change the difference channel.



## Set the transmitter function

### Set the transmitter function

You can set different function of transmitter when using shutter release to shoot.

- 1 ) Press “SET” of transmitter, the function indicator light up and show the current function mode.
- 2 ) Press “SET” again, another function indicator light up and this mode is the working mode.
- 3 ) It's able to select function mode if necessary.
- 4 ) The function indicator light will turned off after 4sec, and the transmitter will stay in the mode as your last selected function.  
When the function indicator is turned off, you can check the current mode by pressing “SET” slightly.

## Usage

### Fire the flashgun

- 1) Check very parts and see is it connected completely; the power all turned on, flashgun parameter set already.
- 2) Half press the camera shutter release, the transmitter send out the signal and wake up the "sleeping" flashgun (Flash in Standby mode).
- 3) Fully press the camera shutter release, transmitter send out flash signal and trigger the flashgun to sync flashing.

- ⚡ When using the transmitter which is not compatible camera model; you'll need to half press the button of transmitter once, the camera can sync shooting within one minute. You'll need to half press the transmitter button again if over than one minute.
- ⚡ Some of the flash wake up time may take longer, we suggest to half pressing the button for little bit longer then fully press the button to shoot. Try to avoid fully press the button directly.

## Usage

### Control camera shooting

Single shoot function:

- 1) Press "SET" button of transmitter slightly and choose the mode as .
  - 2) Set the camera function mode as .
  - 3) Half press the release button to send out the focus signal. Transmitter and receiver are showing green as indicator light. Camera is under focus state until released or pressed the button.
  - 4) Full press the release button to send out the shooting signal. Transmitter and receiver are showing red as indicator light. Camera is starting to shoot.
- ◆ Set the camera function as
  - ◆ If set the camera function as , camera may taking a picture as continuous shoot.
  - ◆ If set the camera function as [BULB] mode, camera may taking a picture as BULB mode. It may cause under or over exposure.
  - ◆ If set the camera function as  , camera may taking a picture as

## Usage

Continuous shoot (or [BULB] shoot) function

- 1) Press "SET" button of transmitter slightly, set the function mode as "B".
- 2) Set camera function as [📄] or [BULB].
- 3) Half press the release button to send out the focus signal. Transmitter and receiver are showing green as indicator light. Camera is under focus state until released or pressed the button.
- 4) Full press the release button to send out the shooting signal. Transmitter is showing red as indicator one time; receiver is keep blinking red as indicator light. Camera is starting to shoot.
- 5) Press transmitter button again to stop sending the signal. The receiver will also stop the camera shooting.

En

## Usage

- ◆ If set the camera function as [📄], its taking picture as continuous shoot.
- ◆ If set the camera function as [BULB] mode, camera may taking a picture as [BULB] mode.
- ◆ If set camera mode as [📄], its taking picture as single shoot.
- ◆ If set camera function as [🕒], its only delay a shoot at once.



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## Usage

### Delay shoot function

- 1) Press "SET" button of transmitter, and set the function as [☺].
- 2) Set camera function as [□].
- 3) Half press the release button to send out the focus signal. Transmitter and receiver are showing green as indicator light. Camera is under focus state until released or pressed the button.
- 4) Full press the release button to send out the shooting signal. Transmitter is showing red as indicator one time; receiver is keep blinking red as indicator light, camera is counting to shoot.
- 5) After complete the counting, receiver indicator light is turned off. Receiver sends out the shooting signal to camera.

En

## Usage

- ◆ Set the camera function as [□].
  - ◆ If set the camera function as [☺], its taking picture as continuous shoot.
  - ◆ If set the camera function as BULB mode, camera may taking a picture as BULB mode. It may cause under or over exposure.
  - ◆ If set the camera function as [☺], camera may count as more delay time.
- ☼ When the focusing mode set as M, the camera will not focus when half pressing the button.
- ☼ When the focusing mode set as A, most of camera will not shoot when camera cannot focus on the subject.

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## PIXEL PAWN Specifications

Type:	Using FSK 2.4GHz Wireless Remote Control System
Channel:	16
Transmitter standby time:	2 years (using the CR -2032 Lithium battery)
Receiver standby time:	300 hours (using the AAA battery)
Dimensions ( H × W × D):	Transmitter: 63mm × 38 mm × 31mm Receiver: 66mm × 38 mm × 26 mm
Weight:	Transmitter: 32.5 g (with battery) Receiver: 60.5 g (with battery)

Now you can start to use unique high-performance PIXEL product PAWN, if you have any questions you can contact the local distributor.

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.

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