



Soldier

Wireless Grouping Flash Trigger/ Shutter Remote Control Déclencheur à distance sans fil pour obturateur et flash multiple

Product Manual
Manuel d'instructions

En

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This manual is current update of 1st May 2011. Please contact to PIXEL service center for further information, if interesting of the combining usage with products released after this day.

Ce manuel a été mis à jour le 1er Mars 2011. Si vous voulez utiliser ce produit en combinaison avec un autre produit Pixel de production ultérieure, veuillez consulter votre revendeur Pixel pour toutes informations supplémentaire.



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



Made in China
Fabriqué en Chine
PSM12 V30.01

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Overview

Thank you for purchasing the high quality PIXEL Soldier. It has solo or grouping flash trigger functions and can also be used as a remote radio shutter release. The transmitter can be set to any of 3 groups or combinations there of. The Soldier supports shutter speeds up to 1/250sec.

The Solider uses the global free 2.4GHz frequency. Choose from 16 channels, set by cross-over dip switches, therefore providing less chance of interference. This product uses FSK modulation which is more stable. Unique power saving technology prolongs battery life for the transmitter and receiver.

Please read and understand this instruction manual completely.

*Maximum sync speed may vary depending on make and model of cameras and flashes.

Cautions

1. Make sure the camera is powered off before installing device.
2. This accessory is an electronic product; some environmental conditions may affect the performance.
3. Do not expose to strong vibration, or it may lead to product failure.
4. For long periods of non-use, please turn off the transmitter and the receiver's power and remove the batteries.
5. Install batteries in the correct polarity as specified.
6. Do not pull on wires while the product is connected to the camera.
7. Do not expose to high temperature, such as an enclosed car under direct sunlight.
8. keep dry, do not immerse in liquids or expose to rain, as this may lead to malfunction.
9. Do not use near flammable gases, it may cause an explosion or fire.

Features

1. World wide free 2.4GHz frequency, FSK modulation, 16 selectable channels.
2. Receiver can be divided to 3 groups. Control different flash groups through transmitter setting, choose group A, B or C or any combination there of.
3. Support multiple receivers in the same group.
4. Flash sync speed up to 1/250sec.
5. Flash wake up feature.
6. Use receiver hotshoe to trigger Speedlites and receiver terminal and cable to trigger studio strobes.
7. Shutter remote control function available with optional shutter control cable.
8. Operating distance up to 80m.
9. Ultra-low power consumption. Transmitter standby for 2 years, receiver standby for 300 hours.
10. Low voltage design, rechargeable battery available.
11. Multi power supply design, capable of using AC power supply.

Included Items

Please check to make sure the following items are in the box. If any parts are missing, please contact the dealer.

- | | |
|---|--------------------------------------|
| ❶ Transmitter -----1pc | ❺ 2.5mm > 3.5mm Flash Cable-----1pc |
| ❷ Receiver -----1pc | ❻ 2.5mm > 6.3mm Flash Cable----- 1pc |
| ❸ AAA Battery -----2pcs | ❼ Instruction Manual----- 1pc |
| ❹ CR-2032 Battery-----1pc
(Installed in product) | ❽ Receiver Holder----- 1pc |
| | ❾ Hot Shoe Protection Cover----- 1pc |

- ⚠ Do not use receiver holder to hold Speedlite, it is not designed to support the weight of a Speedlite.

Compatible device

Transmitter compatibility list when used as a flash trigger

Model	Compatible device
Canon version	Canon DSLR EOS: 7D/5D series/ 1D series/1100D/1000D/600D/550D/500D/450D/400D/350D/300D/60D/50D/40D/30D/20D/10D PowerShot G10/G11/G12
Nikon version	DSLR Nikon: D300 series/D3 series/D2 series/D1series/ D700/D200/N90s/F100/F90/F90X/F6/ F5/D80/D70s/D7000/D5100/ D5000/D3100/D90
Sony version	Sony DSLR: a900/a850/a700/a550/a500/a450/a400/ a350/a300a200/a100 Appareil photo Konica Minolta Dynax : 7D、5D、DiIMAGE 9、7Hi、7i.
Version Panasonic/ Olympus	Olympus: PEN E-P1/E-P2/E-620/E-550/E-520/E-510/E-450/E-420/E410/E400/ E-100 / SP-510UZ/550UZ/560UZ/590UZ/570UZ/565UZ/E-1/E-3/E-10/E-20/E-30 Panasonic: DMC-FZ50/ 50K/50S/30/30K/30S/20/20K/20S/LC-1/L1/G2/G10G1/ GF1/GH1/GH2/L10/LC1

The above data is updated at 1st May 2011; the actual compatible is subject to after this day

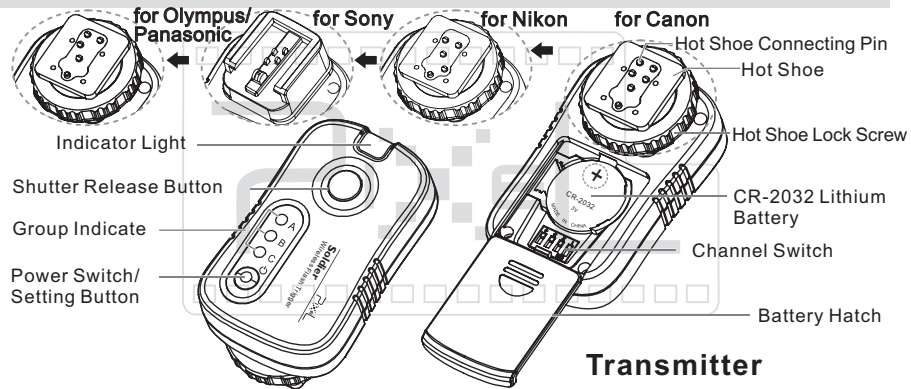
Compatible device

Receiver compatibility list when used as a flash trigger.

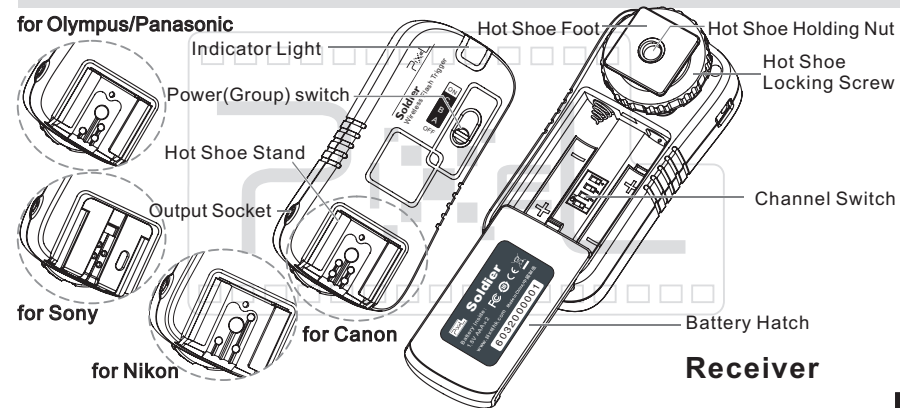
Model	Compatible device
Canon version	Flash canon EOS : 580EX II, 580EX, 550EX, 430EX II, 430EX, 420EX, 380EX, 320EX, 270EX II, 270EX, 220EX
Nikon version	Flash Nikon : SB-900, SB-800, SB-700, SB-600, SB-400
Sony version	Flash Sony : HVL-F58AM, F56AM, F43AM, F42AM, F36AM, F20AM
Version Panasonic/ Olympus	Flash Olympus : FL-50R, FL-50, FL-36R, FL-36, FL-20, FL-14 Flash Panasonic : FL 220, FL 360, FL 500

The above data is updated at 1st May 2011; the actual compatible is subject to after this day

Name of each part



Name of each part



Basic Operation

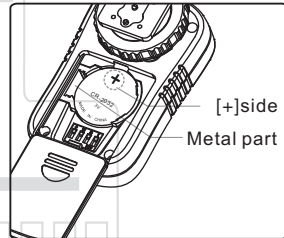
Installation or replacement of battery

Transmitter:

Please replace the battery when, indicator light fails to light when shutter release button is pressed or notice a shortening in operating range.

Please follow the below step for Installation and replacement of battery:

1. Slide the battery hatch, and open it.
2. Gently push the metal part then take out the battery.
3. Replace battery [+] side facing up, then follow the battery removal step in reverse.

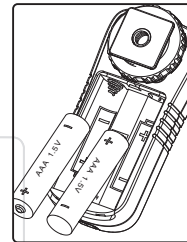


Basic Operation

Receiver:

- 1) Slide and remove the battery hatch.
- 2) Remove expired batteries
- 3) Install fresh batteries according to polarity specified in compartment.

- Please do not force any parts while installing and removing batteries, excessive force may damage the product.



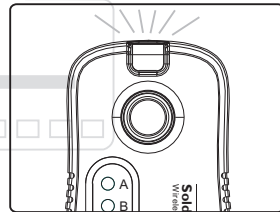
Switch power

Transmitter:

- 1) Press (Power Switch/Setting Button) 2S to turn on the transmitter power. (Group indicator light) turns on and shows the active group(s). (Group indicator light) turns off after 2S, transmitter then enters standby mode.
- 2) To power off, press (Power switch/Setting Button) for 2S under the standby mode. Transmitter turns off after Indicator Light blinks red.
- 3) Please turn off the transmitter power when not in use.

Check for the active group:

Gently press (Power Switch/Setting Button) while in standby mode, (Group Indicator Light) will light up corresponding active groups.

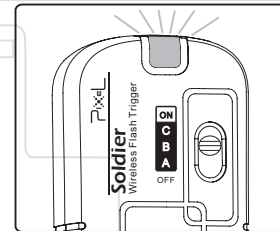


Switch power

Receiver:

- 1) Switch (Power (Group) switch) to A, B or C; which turn on the receiver power. The (Indicator light) will blink red at 2S intervals, indicating the RX is under operational status.
- 2) To power off, switch (Power (Group) switch) to OFF.. The (Indicator light) goes off.

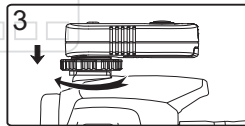
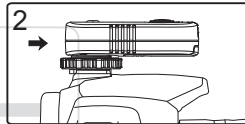
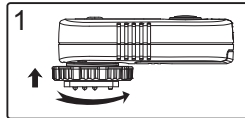
💡 For long periods of non-use, please turn off the transmitter and the receiver's power and remove the batteries.



Holding device

Transmitter Installation

- 1) Power off camera before installing the transmitter
- 2) Loosen the transmitter (Hot shoe locking screw) as figure.
- 3) Insert the (Hot shoe) on the camera hot shoe mount as right position.
- 4) Tighten the (Hot shoe locking screw) as figure.



Remove the transmitter

- 1) Power off camera.
- 2) Follow installation instructions in reverse , pull out the transmitter from camera

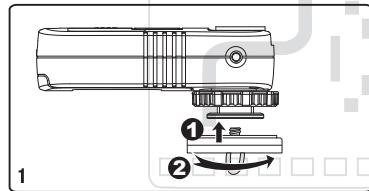
Holding device

- Please ensure the TX is securely tightened to the hotshoe, failure to do so may result in device miscommunication or the TX falling off.
- If you cannot remove the transmitter from the hotshoe mount, please check the (Hot shoe locking screw) is fully loosened.
- Do not forcibly pull out the transmitter from the hotshoe, it may damage the transmitter and camera.

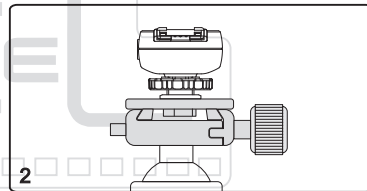
Holding device

Holding the receiver

Receiver provides 2 holding methods: (Hot shoe holding nut) and (Hot shoe foot). (Hot shoe holding nut) can hold on the camera hotshoe, quick release plate from tripod or any stand with a shoe mount.



1. Tighten the (Hot shoe holding nut) on the quick release plate as the figure.



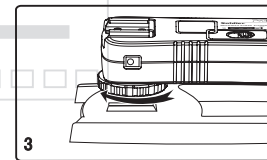
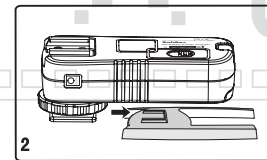
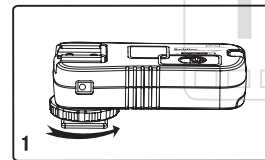
2. Insert the quick release plate on the tripod ball head as the figure.

Holding device

Using the (Hot shoe foot) the receiver can be held on the flash gun stand, B type stand or the included receiver holder.

Mount on the flash stand:

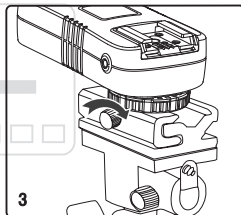
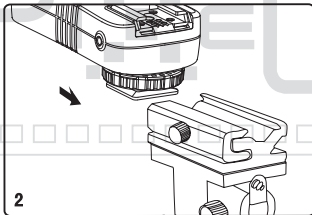
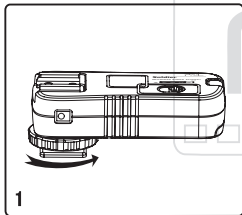
- 1) Rotate (Hot shoe locking screw) to right as the figure.
- 2) Insert the receiver (Hot shoe foot) on the flash stand.
- 3) Rotate (Hot shoe locking screw) to left as the figure.



Holding device

Mount on the B type stand:

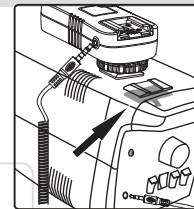
- 1) Rotate (Hot shoe locking screw) to right as the figure.
- 2) Insert (Hot shoe foot) on the B type stand.
- 3) Tight the holding nut on the B type stands.



Holding device

Connect receiver to studio light

- 1) Remove the RX Holder adhesive backing and stick on strobe unit.
- 2) Loosen (Hot shoe locking screw) to the right.
- 3) Insert receiver (Hot shoe foot) to receiver holder as the figure.
- 4) Tighten (Hot shoe locking screw) to the left.

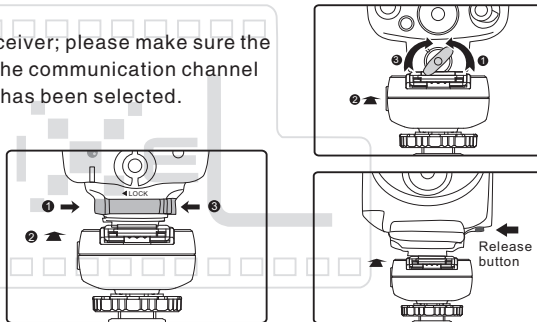


Connecting device

Receiver and flash gun connection

Before connecting the flash and receiver; please make sure the flash power is off, RX power is on, the communication channel has been set and the group setting has been selected.

- 1) Switch the flash gun locking button to unlock
- 2) Insert the flash hot shoe foot to the receiver hot shoe mount.
- 3) Follow the flash gun method to lock the flash.

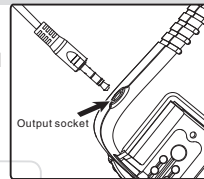


Connecting device

Receiver connect to studio light

The RX is connected to the studio light by the use of the included 2.5mm>3.5mm or 2.5>6.3mm flash cable.

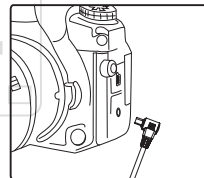
- 1) Plug the 2.5mm end into receiver (output socket).
- 2) Plug the 3.5mm or 6.3mm end into the studio light remote socket.



Receiver connect to camera

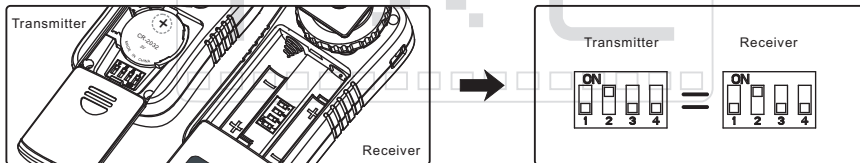
When using as a radio shutter release, you have to purchase the optional shutter control cable.

- 1) Connect 2.5mm end of shutter control cable to the receiver (Output socket).
- 2) Open the shutter control socket cover at camera.
- 3) Insert the shutter plug end of shutter release cable to the camera shutter control socket as figure.



Channel Setting

- ◆ (Channel switch) is inside the battery hatch as figure.
- ◆ Open the battery hatch cover to set the (channel switch)
- ◆ 16 channels available for this product.
- ◆ Do not use the same channel as other Soldier sets in your area.
- ◆ Please double check the transmitter and receiver are on the same channel.
- ◆ Switch to different channel if there is any interference in the working area.



Group setting

Group setting at receiver

Switch the receiver (Group (Power) switch) to A, B or C. If using multiple receivers for multiple flashes, you may choose to use one, two or all three groups, all are controllable from the one transmitter.

Group setting at transmitter

After assigning the receiver(s) to a group(s), set the transmitter to correspond to desired groups(s).

- 1) Gently press (Power switch/setting button) on the transmitter, transmitter (Group indicator light) will light for 2S indicating the group(s) that is active.
- 2) While the (Group Indicator light) is still lit, press (Power switch/setting button) again to switch to the next group.
- 3) Select the group as you need.
- 4) (Group indicator light) turns off after 2S, the transmitter will stay at the last selected group. Press (Power switch/setting button) to check the group location when (Group indicator light) is off. Group sequence as: A-> B->C-> A.B-> A.C-> B.C->A.B.C-> A.

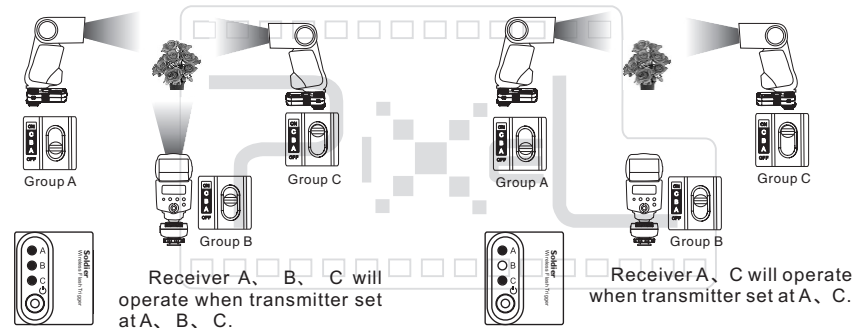
Usage

Flash trigger

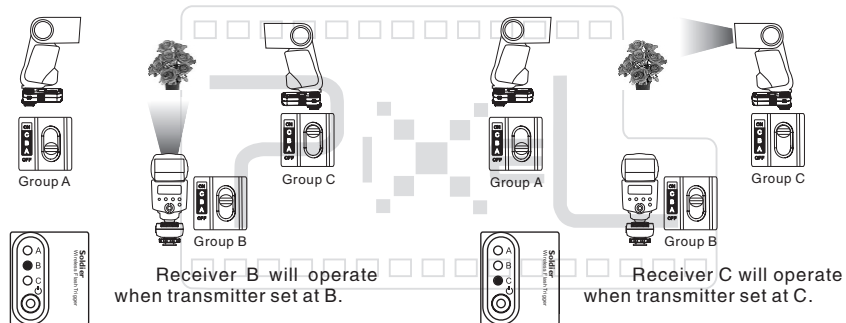
- 1) Check the installation, power turned on, and adjusted the flash power.
- 2) Half-press the shutter button on camera; the transmitter sends out the signal, it will wake up the flash.
- 3) Full-press the shutter button on camera; transmitter sends out the operation signal which sync with the flash.

- ⚡ When the camera is not compatible with the transmitter (eg: Nikon dedicated Soldier with Canon camera); you have to half press the transmitter (shutter button) once to enter Incompatibility mode, this will then allow the camera to synch with the transmitter. If an exposure is not taken within 1 minute, the transmitter will exit Incompatibility mode. If the interval between shots while in Incompatibility mode is over 1 minute, the transmitter will exit Incompatibility mode.
- ⚡ Some flashes may require more time to wake up, we suggest holding the half-press transmitter (Shutter button) longer.

Usage




Usage



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Usage

Camera shutter function

- 1) Using optional Shutter control cable, connect receiver to camera shutter control terminal.
- 2) Set the camera shooting mode as [].
- 3) Half-press the transmitter (Shutter button); the transmitter sends out the focus signal. The transmitter and receiver (Indicator light) will light green. The camera will remain in focus mode until you fully depress or release the shutter button.
- 4) Fully press the transmitter (Shutter button); the transmitter sends out the shooting signal to shoot the picture.
 - ◆ Some cameras will not shoot if autofocus cannot be achieved, if so, please set focus to 'manual'.

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PIXEL Soldier parameter

Type: FSK 2.4GHz Wireless System
Operation Range: 80M
Channel: 16
Transmitter Stand-by Time: 2 Years (CR-2032 lithium-ion battery)
Receiver Stand-by Time: 300 Hours (2pcs AAA alkaline battery)
Measurement (L X W X H): Transmitter: 66 X 37.5 X 28.5 MM
Receiver: 80 X 37.5 X 30 MM
Weight: Transmitter: 32.5g (with battery)
Receiver: 60.5g (with battery)

Now you can start to use incredible PIXEL product. If you have any question, you can contact the local dealer or visit to <http://www.pixelhk.com>

