

WIRELESS FLASH TRIGGER

BY

CACTUS[™]

USER MANUAL

Thank you for choosing CACTUS.

This Cactus PT-04 Wireless Flash Trigger is a powerful yet stable device to command external flashes wirelessly. With this wireless flash trigger, you can place different flashes at various angles and distances from the object without being hindered by wires. This is particularly useful for portrait and product photography.

Please read this instruction manual carefully and refer to the manual of your camera and flash if necessary.

The Cactus PT-04 Wireless Flash Trigger composes of a transmitter and a receiver. The transmitter is to be attached on your camera while the receiver an external flash. When the transmitter is activated, it emits radio signal to the receivers and therefore triggers the external flashes.

Each receiver works with one flash. Number of receivers to be used with a transmitter is unlimited. In other words, you can control as many external flashes as you wish provided that you have enough receivers to work with them.

The transmitter is made of advanced electronic circuits and components. Its special energy-saving design allows a new battery to last a year when the unit is in the standby mode or triggers 20,000 times continuously. Triggering current is only 0.01mAh. It is safe for all cameras, both film and digital, and flashes with standard hot shoe or PC sync connector.

The four selectable channels and advanced anti-interference feature allow the device to work within the effective area without interfered by other channels.

Trademark Information

CACTUS is a registered Trademark of Harvest One Limited in Hong Kong.

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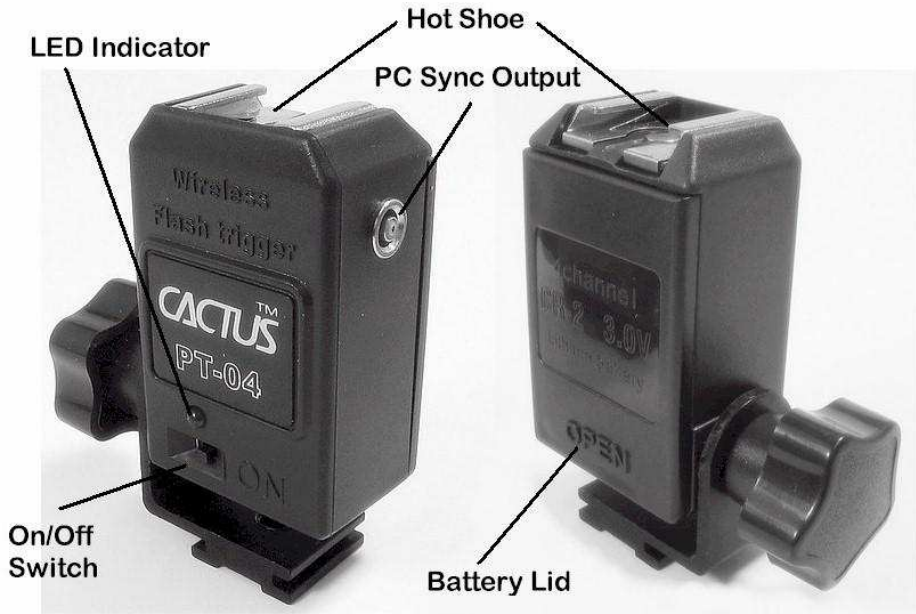
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NOMENCLATURE

Transmitter



Receiver



OPERATION

Channel setup

There are two small switches located at the bottom of the transmitter. Four channels can be tuned according to different combination of the switches. Only when the channel of the transmitter matches that of the receiver, the external flash cannot be triggered off.

The combinations are as follows:

Channel No.	Switch 1	Switch 2
1	1	2
2	0	2
3	0	N
4	1	N

Operation

1. Attach hot shoe of the external flash to that of the receiver, or use the flash's connection cable to connect the receiver and the flash.
2. Switch on the power of the receiver.
3. Set the channel of the receiver according to the table above so that it is the same as that of the transmitter. The switch of the receiver is inside the power compartment.
4. Press the "TEST" button of the transmitter. The light on the transmitter will be on, so as that of the receiver. Both lights are on means that both the transmitter and the receiver are working in good condition.
5. Attach the hot shoe of the transmitter to the hot shoe of the camera.
6. If your camera does not have a hot shoe, plug the 3.5mm plug of the camera's connection cable to the jack of the transmitter's X synchronic cable; connect another side of the camera's connection cable to the jack of the camera's X synchronic cable.
7. More than one receiver can be used to work with the transmitter.

MAJOR SPECIFICATIONS

The package includes:

1. One transmitter
2. One Receiver
3. One PC sync cable
4. One battery for transmitter and one for receiver

Specifications

- 4 channels selectable
- Radio working frequency: 433MHz;
- Maximum effective area: 10 metres / 3 feet 5 inches (in open area without interference)
- Minimum effective area: 60 centimetres / 2 feet
- Power Input of Transmitter: L1028 12V 23A battery
- Power Input of Receiver: CR2 3V Alkaline battery
- Net Weight: 78g.

TROUBLE SHOOTING

Q: I press the button on the transmitter but my flash does not light up. Why?

A: Please make sure that:

1. The plastic wrapping on receiver's battery has been removed.
2. Batteries on both the transmitter and receiver are new.
3. The receiver has been switched to "ON".
4. The channels of both the transmitter and receiver match each other.
5. When you press the button on the transmitter, the LED on the receiver and transmitter will light up.

Q: The flash misfires even I did not press the button on the transmitter. What can I do?

A: Although this trigger has advanced anti-interference design, interference from the environment is still inevitable. Please move your setup to some other areas and try again. If misfiring stops, the problem may come from the interference of the environment.

Interference may occur if you place flashes too close to each other. Try to move the flashes apart for at least 60cm / 2 feet. Misfiring problem should be resolved.

If misfiring persists, switch to different channels and try again.

NOTICES

NOTICES FOR CUSTOMERS IN THE U.S.A.

Federal Communications Commission (FCC) Radio Frequency Interference Statements

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.

HARVEST ONE LIMITED AND THE MANUFACTURER OF THIS WIRELESS FLASH TRIGGER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER AUTHORITY TO OPERATE THE EQUIPMENT



**FCC ID: VAAWFT
MADE IN CHINA**

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.

WARRANTY

The limited warranty set forth below is given by Harvest One Limited in the world with respect to the Cactus brand Wireless Flash Trigger purchased with this limited warranty.

Your Cactus Wireless Flash Trigger or other contents, when delivered to you in new condition in its original container, is warranted against defects in materials or workmanship as follows: for a period of one (1) year from the date of original purchase, defective parts or a defective Wireless Flash Trigger returned to our authorized dealers, as applicable, and proven to be defective upon inspection, will be repaired with new or comparable rebuilt parts or exchanged for a new Wireless Flash Trigger as determined by Harvest One Limited or the authorized dealers.

This limited warranty shall only apply if the Wireless Flash Trigger is used in conjunction with compatible camera and flash equipment, as to which items, Harvest One Limited, shall have no responsibility.

This limited warranty covers all defects encountered in normal use of the Wireless Flash Trigger, and does not apply in any of the following cases:

- (a) Loss of or damage to the Wireless Flash Trigger due to abuse, mishandling, improper packaging by you, alteration, accident, electrical current fluctuations.
- (b) Failure to follow operating, maintenance or environmental instructions prescribed in Cactus user's manual.
- (c) Receive services performed by someone other than Harvest One Limited or authorized dealers.
- (d) Without limiting the foregoing, water damage, sand/corrosion damage, battery leakage, dropping the trigger, scratches, abrasions or damage to the body, or damage to the hot shoe or PC cables, will be presumed to have resulted from misuse, abuse or failure to operate the Wireless Flash Trigger as set forth in the operating instructions.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE WIRELESS FLASH TRIGGER AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE WIRELESS FLASH TRIGGER SHALL BIND HARVEST ONE LIMITED. HARVEST ONE LIMITED SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, STORAGE CHARGES, LOSS OR CORRUPTION OF DATA, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE, THE WIRELESS FLASH TRIGGER, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF HARVEST ONE LIMITED HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO

EVENT SHALL RECOVERY OF ANY KIND AGAINST HARVEST ONE LIMITED GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE CACTUS WIRELESS FLASH TRIGGER SOLD BY HARVEST ONE LIMITED OR ITS AUTHORIZED DEALERS AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE, THE CACTUS WILRESS FLASH TRIGGER NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF HARVEST ONE LIMITED. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF HARVEST ONE LIMITED, OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES YOUR EXCLUSIVE REMEDY.

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Please contact your local dealer for customer services.