

121016-LV5-Manual-Black- Revised.pdf
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Cactus®

User Manual

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1. Main Features of Cactus LV5

Thank you for purchasing Cactus LV5 Laser Trigger. Cactus LV5 is a powerful yet handy device that allows you to take camera trap or wildlife photos. With this trigger, you won't miss a shot when those unexpected moments occur.

- **EXCLUSIVE! Dno Mode Triggering (DMT).** Cactus LV5 can be triggered by: (1) blocking the transmission between the Laser Emitter and Sensor; or (2) removing the object between the Laser Emitter and Sensor.
- **EXCLUSIVE! Works wirelessly with Cactus V5 and subsequent V5-compatible models.** Cactus LV5 combines Laser and radio frequency (RF) technology in a single device. With a built-in Cactus V5 transceiver module in the Sensor, LV5 allows you to take instant camera trap photos with an unlimited number of portable flashes, wirelessly!
- **Long working distance.** The working distance between the Laser Emitter and the Sensor is up to 150 meters.
- **Works under sunlight.** The LV5 not only works under ambient light, its intelligent design also allows it to work under sunlight.
- **Supports single and continuous shots.** Supports bulb shot. The LV5 offers endless possibilities for your creative works.
- **Two sensitivities.** You can choose between two frequencies: 500Hz and 1KHz. Choose the one that best suits your shooting situation.

2. Caution & Warning

Before using your product, read the following safety precautions to ensure correct and safe usage and to help prevent damage to the Cactus LV5.

1. Keep out of reach of children.
2. Lasers can cause injury to the eyes.

Avoid direct eye exposure at all times.

3. Turn OFF all your equipments (e.g. Cactus units, flash units, and cameras, etc.) before changing batteries or making connection. Observe the correct polarities when changing batteries. There is danger of possible explosion if batteries are installed incorrectly.
4. Switch off the LV5 and remove batteries during storage.
5. Do not permanently store the product in a high temperature environment (e.g. under strong direct sunlight, inside an automobile, near cooking stoves/ovens).
6. Do not operate the device in the presence of flammable gases or fumes.
7. The Cactus LV5 should never be submerged in liquid or exposed to heavy rain unless it is properly protected.
8. Never drop or allow the devices to hit the floor.
9. ONLY use the product as described in the user manual. Improper use of the product may cause damage to the LV5.

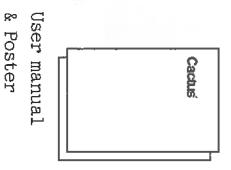
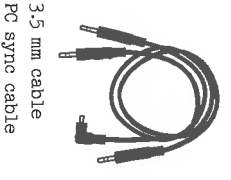
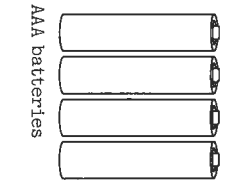
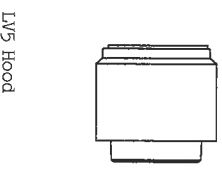
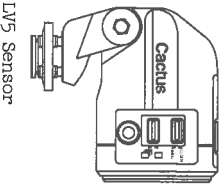
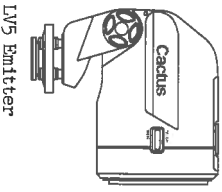
3. Major Specifications:

- Working radio frequency: 2.4GHz
- Number of radio channels: 16
- Selectable Laser frequencies:
 - (1) 500Hz
 - (2) 1KHz
- Supported sync speed: Up to 1/1000s (subject to the camera's sync speed limitation)
- Effective distance between Emitter and Sensor:
 - (1) 150m in dark environment
 - (2) 20m under strong and direct sunlight
- RF effective distance: 0.3m to 100m
- Operating temperature: -20°C to +50°C (-4°F to 122°F)
- Camera voltage handling: 0V to 6V
- Power Input: Operates with 4 or 8AAA 1.5V batteries
- Tilt angle: -20° to 65°
- Dimensions:
 - Emitter: 92mm (L) x 80mm (W) x 93mm (H)
 - Sensor: 153mm (L) x 80mm (W) x 93mm (H) (including hood)

- Weight:
 - Emitter: 145g
 - Sensor: 193g (including hood)

4. Package Contents:

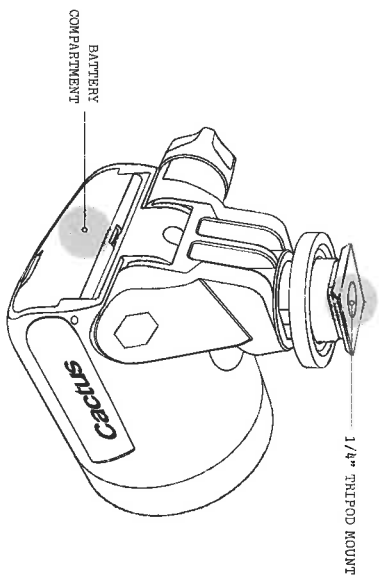
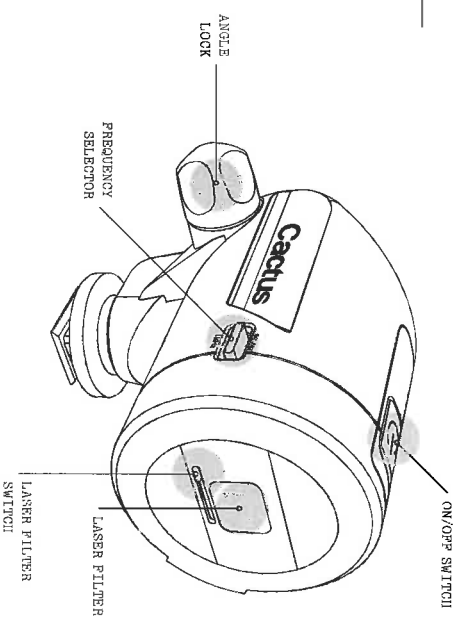
- LV5 Emitter (1)
- LV5 Sensor (1)
- LV5 Hood (1)
- AAA batteries (4)
- 3.5mm cable (1)
- PC sync cable (1)
- User manual (1)
- Poster (1)



5. Nomenclature

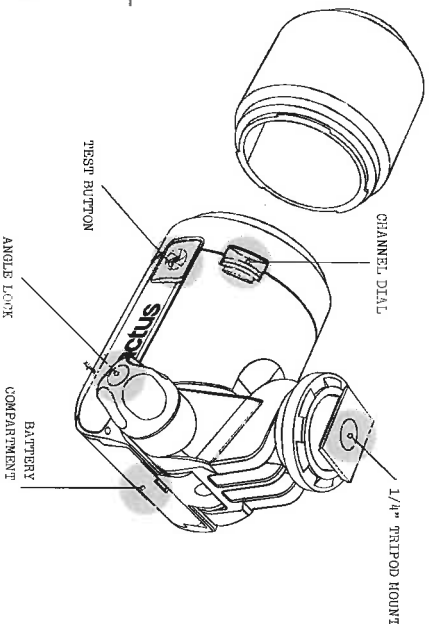
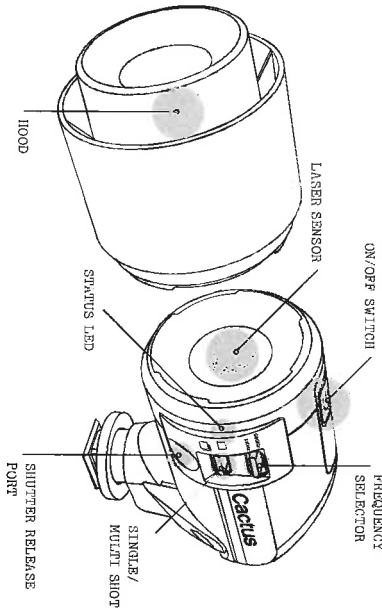
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LV5 Emitter



5.2

LVS Sensor



- Glossary**
- 500Hz Frequency 500Hz
 - 1KHz Frequency 1000Hz
 - Single Shot
 - Multi Shot
 - Test Button
 - ON/OFF Switch

5.3

Compatibility

LVS works with all SLR and DSLR cameras that come with a shutter release port.

The shutter release function of the LVS requires the use of a separately purchased shutter release cable for connection between the transmitter and the camera. This cable is NOT included.

For a list of optional accessories, see Section 9.

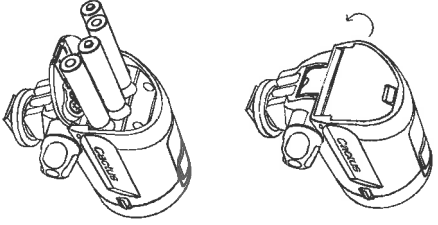
6. Setup

6.1.1 Four AAA batteries

Setting up the Emitter and Sensor

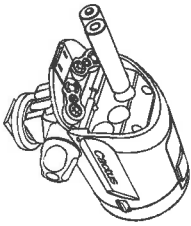
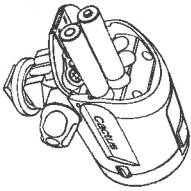
1. Open the battery door by pulling the latch.
2. Insert four (4) AAA batteries into the battery compartment.
3. Insert the batteries with the correct polarities by referring to the +/- signs indicated on the battery compartment.
4. Close the battery door after batteries are installed.

Note: Alkaline batteries are recommended. Rechargeable batteries also work, but operation time may be reduced.



6.1.2 Two AAA batteries

The LV5 can also operate using only two (2) AAA batteries, but you must insert them in pairs as depicted on the right.

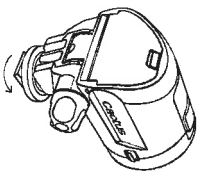


6.2

Mounting to Light Stand, Tripod, or Umbrella Swivel

There are a few ways to install the LV5 Emitter and Sensor:

1. Light stand: Mount the LV5 by using the standard 1/4" tripod mount. Rotate the unit until it is secured in place.
2. Tripod (via quick release plate): Mount the LV5 to the tripod screw on the quick release plate. Secure the mount by turning the lock from the underside of the quick release plate.
3. Umbrella Swivel with hot shoe mount: Mount the LV5 to the hot shoe mount and secure it by tightening the hot shoe lock.



6.1.3 Battery Consumption:

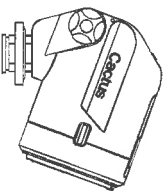
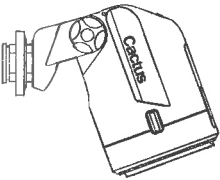
	BATTERY LIFE* (HRS)		
	2 X AAA	4 X AAA	
LV5 EMITTER	40	80	
LV5 SENSOR	STANDBY	90	180
	TRAP MODE OPERATION	85	175
	ESCAPE MODE OPERATION	60	125

* Battery consumption based on battery capacity of 1000mah

6.3

Adjusting Tilt Angles

1. Loosen the Angle Lock.
2. Set the LV5 to the required tilting angle (from 20° down to 65° up).
3. Tighten the angle lock when done.

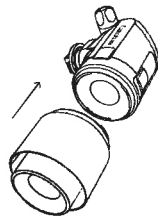


Note: Stone bags are recommended for added weight and security on cue light stand/tripod.

6.4

Installing the Hood

1. Attach the Hood using its bayonet-style mount to the Sensor.
2. Align the white dots on the Sensor and Hood. When they are in place, turn the Hood clockwise to lock it.
3. Turn the Hood counter-clockwise to detach it.

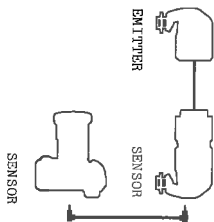


6.5

Connecting LV5 Sensor to the camera

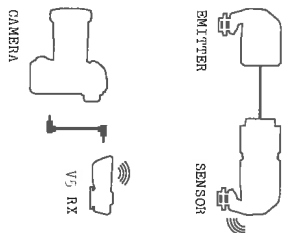
6.5.1 Direct Cable Connection

1. Connect the shutter release cable (optional) to the Sensor's shutter release port.
2. Plug the other end of the shutter release cable to the camera's shutter release port.
3. The Sensor sends a signal to the camera directly via the shutter cable, so the distance between the Sensor and the camera is limited by the length of the shutter release cable.



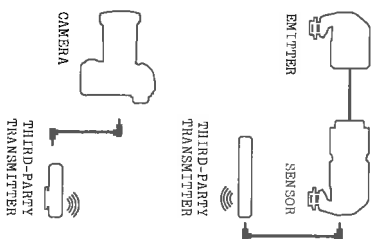
6.5.2 Cactus V5 Wireless Shutter Release

1. Connect the shutter release cable (optional) to the Cactus V5 X-Sync Port.
2. Plug the other end of the shutter release cable into the camera's shutter release port.
3. Adjust both the Sensor and the V5 RX to the same channel by using the channel dial.
4. The Sensor sends a radio signal to the V5, but be sure to place the camera within the 100m suggested operating distance.



6.5.3 Third-Party/Wireless Shutter Release

1. Connect a third-party wireless shutter release transmitter to the Sensor using a 3.5mm shutter release cable.
2. Plug the third-party wireless shutter release receiver to the camera's shutter release port.
3. The Sensor sends a signal to the third-party transmitter, so distance between LV5 and the camera depends on the operating distances of the third-party wireless shutter release.



7. Operation

7.1

Basic Setup

1. Install AAA batteries in the battery compartments in both the Emitter and the Sensor.
2. Mount the Emitter and Sensor securely on light-fixing equipment such as a light stand, tripod, or hot shoe mount on an umbrella swivel.
3. Open the Laser Filter on the Emitter.
4. Mount the Hood on the Sensor for better reception, especially for outdoor use.
5. Set both the Emitter and the Sensor to the same Frequency (e.g. 500Hz) using the Frequency Selector. Select 1KHz for fast moving objects and 500Hz for slow moving objects.
6. Pair up the Emitter and Sensor within 1m by aiming the laser at the Sensor until you see a steady green LED.

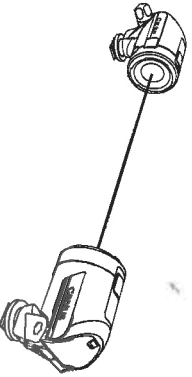
7.2

LV5 Trap Mode

LV5 triggers the camera to take one shot when laser signal is intercepted.

7.2.1 Single Shot

1. Set the Sensor to **Single Shot**.
2. Switch on your camera and set the drive mode to **Single mode**. (See your camera's user manual for corresponding function key.)
3. Connect the Sensor to the camera (see Section 6.5).
4. Place the Emitter and Sensor to the desired location and adjust the angle of the laser path so that the Sensor can detect the laser like the image below:



5. Switch on both the Emitter and Sensor by pressing the ON/OFF switch once. The Sensor status LED blinks green every 3 seconds.
6. Aim the Emitter laser at the Sensor. When the laser is detected, the blinking LED turns to a steady green and the LV5 is ready to use. If the laser is never detected, the LED continues to blink green every 3 seconds. Aim again until the LED turns steady green.
7. Press the Test Button on the Sensor to confirm the shutter cable or wireless connection with your camera. At half-press, LED turns orange and camera will auto focus; at full-press the LED turns green, shutter releases and the camera takes a shot.
8. When an object passes through the laser, the LV5 triggers the shutter of your camera and takes a shot (delay may occur depending on camera model and lens focusing speed).
9. When the laser signal is once again detected by the Sensor, the LED turns steady green and is ready for the next shot when an object passes through the laser.



7.2.2 MultiShot

LV5 triggers the camera to take multiple shots when Laser signal is intercepted.

1. Follow steps in Section 7.1.
2. Set the Sensor to **Multi Shot**.
3. Set the **camera's** drive mode to **burst/continuous/high speed mode**. (Refer to your camera user manual for corresponding function key.)
4. Setup is complete and the equipment is ready for use.
5. When an object passes through the laser and blocks the Sensor from detecting the laser, it triggers the camera to start taking multiple shots until the object no longer blocks the laser.
6. Once the Laser signal is detected by the Sensor again, the LED turns green and LV5 is ready for the next group of multiple shots.

BULB EXPOSURES

LV5 triggers the camera to bulb shot when it is set in Multi Shot and laser signal is intercepted.

1. Set the camera to Bulb.
2. Press and hold the Test Button for approximately 3 seconds until the green LED is off.
3. LED blinks green for 2 seconds to confirm activation.
4. When an object intercepts the laser, LV5 triggers the camera shutter to open. The shutter stays open until the object no longer intercepts the laser.

7.3

LV5 Escape Mode

LV5 triggers the camera shutter when an object moves away from the laser signal.

Make sure the Sensor is off. Press and hold the ON/OFF Switch for 5 seconds. The Sensor is ready and functions in Escape Mode when the LED is steady red.

To cancel Escape Mode, switch off the Sensor.

7.3.1 SingleShot

1. Connect the Sensor to your camera.
2. Switch on the Emitter. The Status LED blinks orange every 3 seconds.
3. When the laser is detected, the Status LED light turns to steady orange.
4. Place the object between the Emitter and Sensor, blocking the laser. The Status LED turns red. The LV5 is now ready.
5. Once the object moves away and the laser is detected again by the Sensor, the camera's shutter releases and takes one shot.

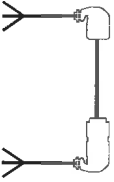
7.3.2 MultiShot

1. Follow steps 1-4 outlined in Section 7.3.1 but set the Sensor to Multi Shot and the camera's drive mode to burst/continuous/high speed mode. (Refer to your camera's user manual for corresponding function key.)
2. When the laser is detected by the Sensor again, the camera's shutter releases and takes multiple images until the object blocks the laser.

Setting the LV5 for Outdoor Use

Outdoor environments have high luminosity level and the brightness around the LV5 could affect laser detection between the Emitter and the Sensor. The maximum tested distance of LV5 under direct sunlight is 20m. To set your LV5 for outdoor shooting, perform the steps below.

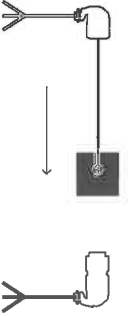
1. Pair up the Emitter and Sensor within 1m by aiming the laser at the Sensor until you see a steady Green LED in Trap Mode.



2. Place the Emitter and Sensor at a desirable distance. Mount the LV5 units securely on light stands or tripods, and adjust them to similar heights. (see the image below). Place a black card in front of the Emitter and a clear red dot appears on the card.



3. Slowly move the black card away from the Emitter towards the Sensor.

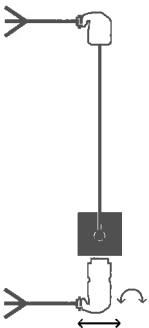


Note: The further away the black card is from the Emitter, the lighter and larger the red dot appears.

Off Camera Flash with Cactus V5

Add creative lighting effects to your photos by using Cactus V5 transceivers and portable flash units. Set one V5 as Transmitter (TX), mount it on the camera's hot shoe, and set additional V5 transceiver(s) as Receiver (RX) for portable flash unit(s).

In this case, set the V5 transceivers used as wireless flash trigger to a different channel other than what you are using for the LV5/V5 wireless shutter release.

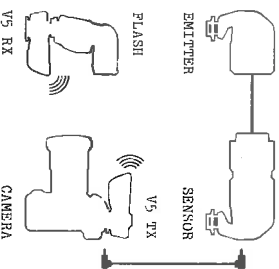


4. When the black card reaches the Sensor, take note of the approximate location of the red dot and adjust the height and angle of the Sensor to match the same dot. Remove the black card. If the laser is detected by the Sensor, the status LED will turn from blinking to steady.

Note: For long distance setup, use a larger black card.

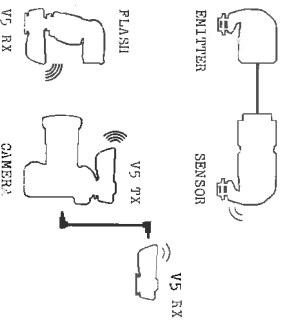
Suggested LV5 Setup with Cactus V5 Wireless Flash Transceiver

1. Connect the Sensor to camera by shutter cable (optional).
2. Mount V5 TX to camera hot shoe and flash to V5 RX, both set to the same channel.



Option 2:

1. Use the Sensor's wireless function by pairing it with a V5 RX. Set both to the same channel (e.g. Ch 5).
2. Connect this V5 to camera by a shutter cable (optional).
3. Set the pair of V5 used for wireless flash to a different channel (e.g. Ch 16).

**8. LED signal Outline**

STATUS	SENSOR INDICATOR	
	TRAP MODE	ESCAPE MODE
POWERED ON	GREEN BLINKS EVERY 3 SECONDS	ORANGE BLINKS EVERY 3 SECONDS
LASER DETECTED	STEADY GREEN	STEADY ORANGE
LASER NOT DETECTED	STEADY RED	
HALF-PRESS	ORANGE	
FULL-PRESS	GREEN	
LOW BATTERY	RED GREEN & ORANGE BLINKS EVERY 5 SECONDS	
BULB MODE ACTIVATED	GREEN LIGHTS UP FOR 2 SECONDS	
BULB MODE CLOSED	GREEN BLINKS ONCE	

9. Optional accessories**Shutter Release Cables**

1. Cactus V5 Shutter Cable for Canon Pentax Samsung SC-C1
2. Cactus V5 Shutter Cable for Canon SC-C3
3. Cactus V5 Shutter Cable for Nikon SC-N1
4. Cactus V5 Shutter Cable for Nikon SC-N3
5. Cactus V5 Shutter Cable for Nikon SC-N4
6. Cactus V5 Shutter Cable for Olympus SC-O2
7. Cactus V5 Shutter Cable for Olympus SC-OLY
8. Cactus V5 Shutter Cable for Panasonic Leica SC-PAN
9. Cactus V5 Shutter Cable for Sony Minolta SC-SON
10. Cactus Shutter Cable for iPhone (available 2013)

Wireless Flash Trigger

1. Cactus Wireless Flash Transceiver V5
2. Cactus Wireless Flash Transceiver V6 (available 2013)

10. Troubleshooting

Laser does not hit the Sensor

EMITTER/LASER SYMPTOM	POSSIBLE CAUSES	SOLUTION
NO LASER	<ol style="list-style-type: none"> 1. BATTERIES INSTALLED INCORRECTLY 2. INSUFFICIENT BATTERY POWER 	<ul style="list-style-type: none"> • ENSURE CORRECT POLARITIES WHEN FITTING THE BATTERIES. • REPLACE BATTERIES IN THE EMITTER.
LASER EMITS PROPERLY	<ol style="list-style-type: none"> 3. LASER SPOT FALLS ON WRONG POSITION 	<ul style="list-style-type: none"> • USE THE BLACK CARD TO TRACE THE PATH OF THE LASER BEAM AND FIX THE ANGLE LOCK ACCORDINGLY. SEE SECTION 7.4. • MOUNT THE EMITTER TO A BALL HEAD FOR VERY FINE ADJUSTMENTS.

Laser not detected
(assuming the Laser beam does hit the Sensor)

SENSOR LED STATUS	POSSIBLE CAUSES	SOLUTION
NO LED	1. BATTERIES INSTALLED INCORRECTLY	• ENSURE CORRECT POLARITIES WHEN FITTING THE BATTERIES.
RED GREEN CHANGE BLINKS EVERY 5 SECONDS	2. INSUFFICIENT BATTERY POWER	• REPLACE BATTERIES IN THE SENSOR AND RETRY.
TRAP MODE: GREEN BLINKS EVERY 3 SECONDS ESCAPE MODE: ORANGE BLINKS EVERY 3 SECONDS	3. FREQUENCY MISMATCH	• SET BOTH THE EMITTER AND SENSOR TO THE SAME FREQUENCY, I.E. 500HZ OR 1KHZ.
	4. EMITTER & SENSOR DO NOT PAIR UP	• PLACE EMITTER AND SENSOR WITHIN 1M. ONCE LASER IS DETECTED, ADJUST DISTANCE. SEE SECTION 7.4.
	5. WEAK LASER SPOT	• OPEN THE LASER FILTER ON THE EMITTER.
		• ATTACH THE HOOD TO THE SENSOR FOR OUTDOOR USE.
TRAP AND ESCAPE MODE: STEADY RED	6. WEAK LASER SPOT	• SEE POINT 5.
	7. INTERFERENCE FROM UNWANTED LIGHT	• RE-POSITION EMITTER OR SENSOR TO AVOID UNWANTED LIGHT.
	8. EMITTER AND/OR SENSOR FALLS OUT OF TRACK	• RE-POSITION EMITTER AND/OR SENSOR UNTIL LED TURNS TO STEADY GREEN.

Camera shutter or flash not triggered with wired connection
(assuming laser is detected)

SENSOR LED STATUS	POSSIBLE CAUSES	SOLUTION
TRAP MODE: STEADY GREEN REMAINS	1. NO OBJECT HAS PASSED THROUGH THE LASER BEAM	• RETRY WITH BIGGER OBJECT TO INTERCEPT THE LASER BEAM AT A CLOSER DISTANCE WITH EITHER THE EMITTER OR THE SENSOR.
	2. OBJECT MOVING TOO FAST	• SWITCH BOTH EMITTER AND SENSOR TO 1KHZ AND RETRY. • USE MORE THAN ONE LYS TO TRAP THE OBJECT.
ESCAPE MODE: STEADY RED REMAINS	3. OBJECT STILL INTERCEPTING THE LASER BEAM	• CHECK THE LASER BEAM AND REMOVE ANY OBJECTS.
TRAP MODE: TURNS RED (LASER IS INTERCEPTED) ESCAPE MODE: (LASER IS DETECTED)	4. SHUTTER CABLE OR X-SYNC CABLE CONNECTION PROBLEM	• ENSURE THE SHUTTER CABLE OR X-SYNC CABLE IS PLUGGED IN SECURELY ON BOTH ENDS.
	5. CAMERA AV SYSTEM DOES NOT FOCUS	• SET CAMERA LENS TO MANUAL FOCUS.
	6. CAMERA DRIVE MODE IS SET INCORRECTLY	• ENSURE CAMERA IS SET TO THE CORRESPONDING DRIVE MODES.

Camera shutter or flash not triggered with wireless connection (assuming laser is detected)

LED STATUS	POSSIBLE CAUSES	SOLUTION
LV5 SENSOR IN TRAP MODE: TURNS RED	1. CACTUS TRIGGER SET INCORRECTLY	• ENSURE THE CACTUS TRANSMITTER IS SET AS RX AND ON THE SAME CHANNEL WITH LV5.
LV5 SENSOR IN ESCAPE MODE: TURNS ORANGE	2. BATTERIES INSTALLED INCORRECTLY	• CHECK BATTERY POLARITIES OR REPLACE NEW BATTERIES OF CACTUS TRANSMITTER.
VS: NO LED	3. BACKGROUND RADIO INTERFERENCE	• SET BOTH LV5 AND VS TO ANOTHER CHANNEL. • CHANGE SETUP LOCATION AS INTERFERENCE MAY COME FROM OTHER EQUIPMENT IN THE SURROUNDING AREA.
LV5 SENSOR IN TRAP MODE: TURNS RED	4. BEYOND 100-METER EFFECTIVE RANGE	• MAKE SURE LV5 AND VS ARE PLACED WITHIN 100 METERS.
LV5 SENSOR IN ESCAPE MODE: TURNS ORANGE	5. CONNECTION PROBLEM BETWEEN CACTUS TRIGGER AND THE OTHER DEVICE (E.G. FLASH UNIT OR CAMERA)	• CHECK WASH CONNECTION AND COMPATIBILITY WITH CACTUS TRIGGER. • CHECK CAMERA CONNECTION WITH CACTUS TRIGGER.
VS: GREEN	6. CAMERA AP SYSTEM DOES NOT FOCUS	• SET CAMERA LENS TO MANUAL FOCUS.
	7. CAMERA DRIVE MODE IS SET INCORRECTLY	• ENSURE CAMERA IS SET TO THE CORRESPONDING DEVICE MODES.

11. Notices

Notices for Customers in the USA.

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 LASER 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: VAAMPTLV5

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.

R&ITE Declaration of Conformity (DOC)

We, Harvest One Limited, 9D On Shing Industrial Building, 2-16 Wo Liu Hang Road, Po Yan, Hong Kong, declare under our own responsibility that the product:

Cactus Laser Trigger LV5 is in conformity with the essential requirements and other relevant requirements of the RITE Directive (1999/5/EC).

The products are compliant with the following standards and/or other normative documents:

SAFETY EN 62479:2010
EN 60950-1:2006

EMSI EN 301 489-1 V1.9.2
EN 301 489-3 V1.4.1
EN 300 440-1 V1.6.1
EN 300 440-2 V1.4.1

Supplementary information:

Technical file held by: Harvest One Limited
Place and date of issue: Centre Testing International Corporation,

Build C, Hongwei Industrial Zone,
Baoan 70 District, Shenzhen, China
December 24, 2010

Signed by or for the manufacturer: *Mr. Wai Kwan* 24 Dec 2012
Name: Mring Wai Kwan Date of Signature
Title: Director



This product Laser Trigger LV5 is in conformity with the provisions of EU Council Directive: 1999/5/EC.



The crossed-out wheeled bin means that within the European Union the product must be disposed separately at the end of product cycle. Do not dispose this product with other municipal waste.

12. WARRANTY

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

Your Cactus Laser 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 Laser 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 Laser Trigger as determined by Harvest One Limited or the authorized dealers.

This limited warranty shall only apply if the Laser 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 Laser Trigger, and does not apply in any of the following cases:

- (a) Loss of or damage to the Laser 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 laser trigger, scratches, abrasions or damage to the body, or damage to the hot shoe or cables, will be presumed to have resulted from misuse, abuse or failure to operate the Laser 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 LASER TRIGGER AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTEE, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE

LASER TRIGGER SHALL BIND HARVEST ONE LIMITED. HARVEST ONE LIMITED SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTED 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 LASER 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 LASER 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 LASER 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.

Corporate Office:

HARVEST ONE LIMITED
9D ON SHING IND. BLDG.,
2-16 WO LIT HANG ROAD,
PO TAN, HONG KONG

PLEASE CONTACT YOUR LOCAL DEALER FOR CUSTOMER SERVICES.

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Cactus