# Camtraptions Wireless Trigger
# Camera Remote & Flash Trigger

## Index

## Overview

The Camtraptions Wireless Trigger is a versatile and reliable solution for remotely firing a camera or off-camera flashes. Free your flashes and unlock the creative possibilities of remote photography!

Key Features Include:
- ➢ Wireless range of up to 120m
- ➢ Compatible with Canon & Nikon systems
- ➢ Flash sync speed up to 1/320s
- ➢ TTL pass-through on transmitter
- ➢ Wakes sleeping speedlights
- ➢ Receiver standby time: 200 hours
- ➢ Transmitter standby time: 1000 days
- ➢ 2.4GHz frequency, 7 channels

## Accessories

Multiple receiver units can be used to trigger several cameras or off-camera flashes. Additional receivers can be purchased at www.camtraptions.com.

Camera connecting cables are available for many different camera systems. Additional camera cables can be purchased at www.camtraptions.com.

# Safety warnings

- Before attaching or removing the Wireless Trigger, please turn off the camera and flash.
- The Wireless Trigger is not a toy. Please keep out of reach of children and pets.
- Remove the batteries if not being used for a long time.
- Please pay attention to the battery polarity when inserting batteries. Do not use damaged batteries in this device.
- The Wireless Trigger is not waterproof. Please keep it dry and do not expose to water or other liquids.
- When connected to a camera or flash, be careful not to knock or exert excessive force on the Wireless Trigger unit or on the cable sockets.
- Do not disassemble or attempt to modify the Wireless Trigger.

# Components
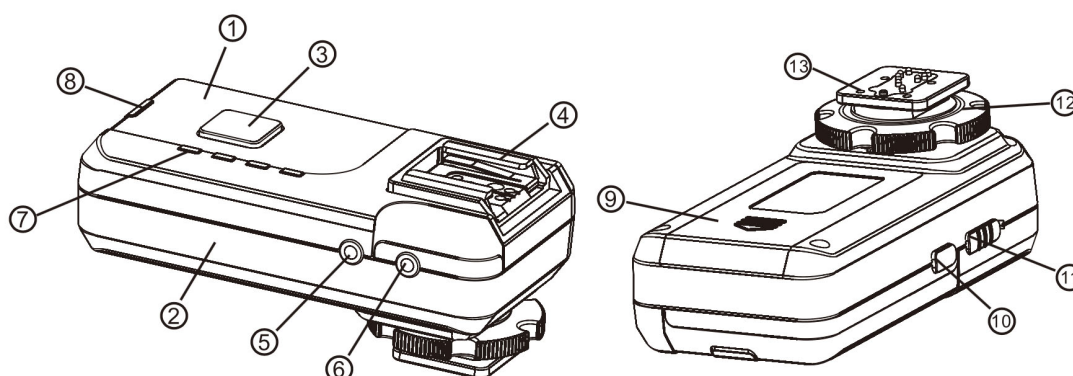
**Transmitter**

1. Top casing
2. Bottom casing
3. Trigger/shutter release button
4. Hot-shoe
5. Camera trigger socket
6. AUX socket
7. LED channel indicators
8. LED status indicator
9. Battery tray
10. Channel selector button
11. Power switch
12. Hot-shoe fastening screw
13. Hot-shoe mount
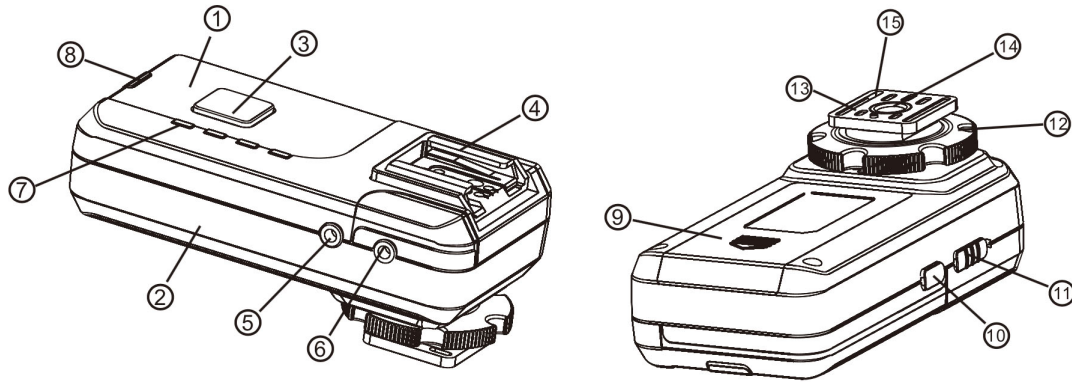
**Receiver**

1. Top casing
2. Bottom casing
3. Test button
4. Hot-shoe
5. Camera trigger socket
6. Flash trigger socket
7. LED channel indicators
8. LED status indicator
9. Battery tray
10. Channel selector button
11. Power switch
12. Hot-shoe fastening screw
13. Hot-shoe mount
14. Tripod socket
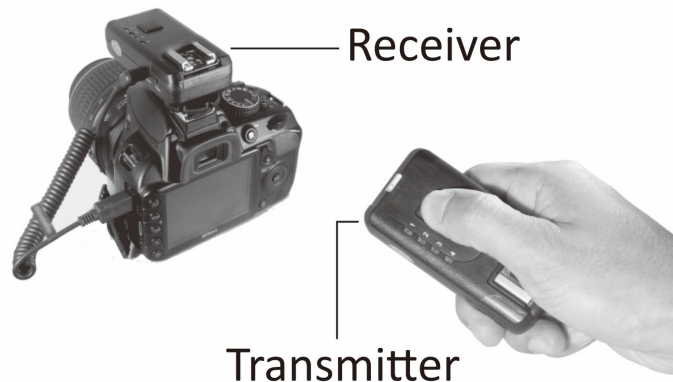15. Hole for carry cord

# Insert batteries

Insert 2 x AAA batteries into both the transmitter and receiver.

Battery polarity for transmitter and receiver is as indicated in the diagram on the right.

To conserve battery, turn the receiver and transmitter off when not in use.
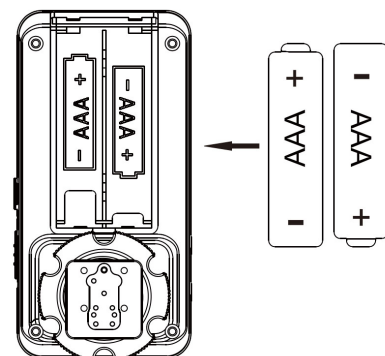
# Camera triggering



Receiver

Transmitter

**Remote camera triggering**

1. Plug camera connecting cord into socket marked "Camera" on the receiver unit and the other end of the cable into the camera's shutter release socket.
2. Turn on transmitter and receiver. Set both to the same channel by pushing the Channel button.
3. Turn on camera
4. Press the shutter release button on top of the transmitter half-down to start focusing/metering and fully down to take a photo.



**Wired camera triggering**

1. Plug camera connecting cord into socket marked "Camera" on the transmitter unit and the other end of the cable into the camera's shutter release socket.
2. Turn on the camera. Note: the transmitter does not need to be turned on.
3. Press the shutter release button on top of the transmitter half-down to start focusing/metering and fully down to fire the camera.

# Flash triggering

**Off-camera flash triggering**

1. Attach the transmitter to the camera hot-shoe and secure by tightening the fastening screw. Slide a speedlight flash into the hot-shoe on top of the receiver unit.
2. Thurn on the transmitter and receiver. Set both to the same channel by pushing the Channel button.
3. Turn on the camera and the flash.
4. Set the flash to manual mode and select your desired flash output power.
5. Take a photo with the camera to fire the flash.
6. To fire multiple flashes, attach them to additional receiver units and set them to the same channel as the transmitter.



**TTL pass-through**

With the transmitter attached to your camera, a flash, off-camera flash cord or another radio trigger can be mounted on top of the transmitter. All TTL commands from the camera are passed through the transmitter to the device on top. Note: TTL commands are only passed to flashes mounted on the transmitter, not to flashes mounted on the receiver. The receiver only relays "wake" and "fire" commands.
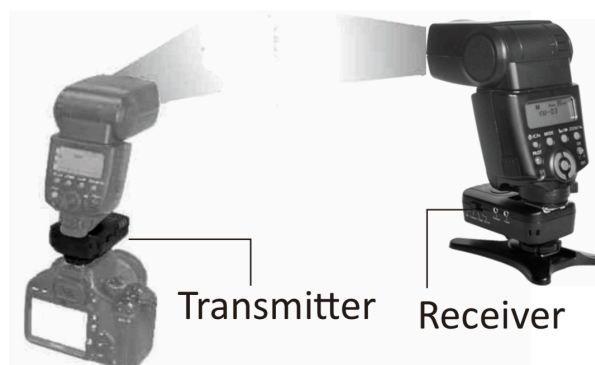
**Waking flashes**

Some flashes "sleep" after a set period of inactivity in order to conserve power. The wireless trigger sends "wake" commands to Canon and Nikon flashes that have entered power-save mode. To wake flashes, press the camera shutter-release button half-down. Press the shutter-release button fully down to fire the flash. A Canon camera can be used to wake a Nikon speedlight and vice versa.

The "wake" feature may not work with flash brands other than Canon or Nikon. With other brands, the first photograph taken will usually wake the flash. The flash will then fire for subsequent exposures.

## Channels

You can select from 7 independent channels to avoid interference with other Wireless Triggers. Ensure the transmitter and receiver are set to the same channel. To change the channel, turn the unit on and press the Channel button repeatedly to cycle through the channels. The 7 channels are denoted by the following combination of lights: 1, 2, 3, 4, 1+2, 3+4, 1+2+3+4.
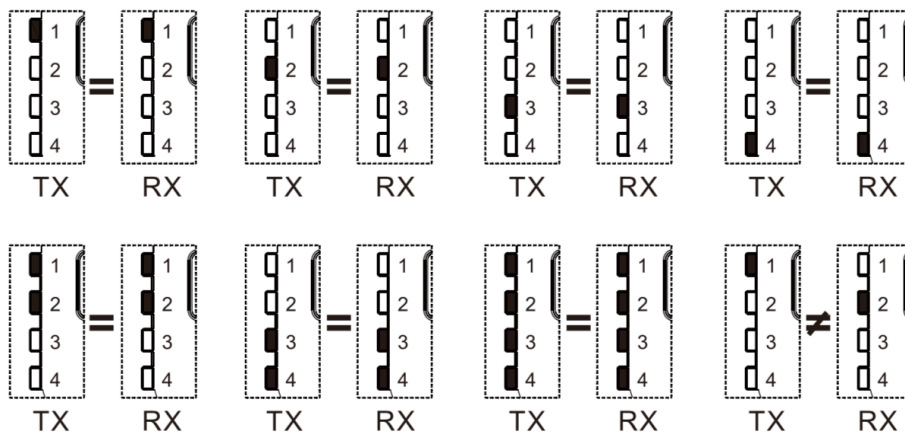


## Using with the Camtraptions PIR Sensor

The Wireless Trigger transmitter and receiver can be used in conjunction with the Camtraptions PIR Sensor to create a wireless camera trap:

1. Plug the PIR Sensor into the AUX port of the wireless transmitter unit using a Canon E3-type cable.
2. Set switch 6 on the PIR Sensor to the "ON" position.

3. Plug the wireless receiver into your camera (from the port marked "Camera") using the appropriate Camera Connecting Cable.
4. Turn on the transmitter and the receiver and set them both to the same channel.
5. Turn on the PIR Sensor and your camera.

If you want to use off-camera flashes in your wireless camera trap, you will need to follow the instructions outlined in the "Flash Triggering" section of this manual. The transmitter and receiver(s) used to control the flash(es) must be set to a different channel to the transmitter and receiver used to connect the PIR Sensor to your camera.

## Using with the Camtraptions Video Light Switch

The Wireless Trigger transmitter and receiver can be used in conjunction with the Camtraptions Video Light Switch to wirelessly control video lights in a video camera trap:

1. Plug the PIR Sensor into the AUX port of the wireless transmitter unit using a Canon E3-type cable.
2. Set switch 6 on the PIR Sensor to the "ON" position.
3. Plug one wireless receiver into your camera (from the port marked "Camera") using the appropriate Camera Connecting Cable. Plug a second wireless receiver into the Video Light Switch (from the port marked "Camera") using a Canon E3-type cable.
4. Set the transmitter and the receivers to the same channel.

## Troubleshooting

**General troubleshooting checklist**
- Make sure the batteries are installed correctly and both the receiver and transmitter are turned on.
- Ensure the transmitter and receiver are set to the same channel.
- Make sure the hot-shoe mount and any cables are correctly connected.
- Make sure the hot-shoe is compatible with the flash and camera.

**Flash output is too bright or flash isn't firing**
- Make sure the flash mode is set to manual and reduce the power level if required.

**Camera fires but doesn't focus**
- Make sure the camera body and lens focus mode is set to AF, not MF.

**Receiver misfires or signal interference**
- Please change the channel of the transmitter and receiver.

**Limited operating distance**
- Check that the batteries are not exhausted.
- Try using a different channel.
- Try to move the transmitter's location.

## Specifications

Radio frequency: 2.4GHZ
Signal type: Frequency Shift Keying (FSK)
Antenna: Built-in PCB Antenna
Control Distance: 120m (subject to environmental limitations)
Channels: 7
Normal triggering sync-speed: 1/320 second
Battery Type: 2 x AAA (2.4V ~ 3.2V)
Standby time:
      Transmitter: 1,000 days
      Receiver: 200 hours
Camera shutter port, Studio flash (RX)/AUX (TX) ports: $\varnothing$2.5mm
Safe Port Voltage: 3.3V to camera (TX), 300V from flash (RX)
Minimum latency: 400$\mu$s
Body Dimensions: 84*42*38mm (L*W*H)
Net Weight (without batteries or cables):
      Transmitter: 51g
      Receiver: 49g
Working Temperature: -15°C ~ 65°C
Storage Temperature: -30°C ~ 85°C

## Legal notices

In no event shall Camtraptions Ltd be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the use or misuse of our products.

This product should not be treated as household waste, but rather be brought to the appropriate collection point for recycling of electrical and electronic equipment. Please see www.camtraptions.com for details.

# Support

For technical support, please email support@camtraptions.com.