



VC-16

3-in-1 radio trigger

User Guide

Description	Page
Introduction.....	
Safety Note.....	
Content of Carton.....	
Name of Parts.....	
Install Battery.....	
Set Channel.....	
Operate Radio Trigger.....	
Wirelessly Trigger StudioFlash.....	
Wirelessly Trigger Speedlite.....	
Wirelessly Control Shutter.....	
Release.....	
Technical Data.....	
Models of Shutter release cable.....	
Troubleshooting.....	

Introduction

- A *versatile, reliable* kit that includes one 16 channel 2.4GHz radio receiver and one 16 channel 2.4GHz radio receiver
- Remotely trigger speedlite, studio flash, and camera's shutter from up to 25m effective trigger distance
- The 2.4GHz frequency signal can pass through and around obstructions, and offer you flexibility trigger flash from any direction.
- 16 channels gives you ability to avoid interference from other users.
- Flash Sync Speed up to 1/200 sec
- LED indicators confirm communication between radio transmitter and radio receiver.
- Release shutter to take long exposure photography, Macro photography or wildlife photography
- Has a dual-function shutter release with half-press and full-press capabilities.
- Compatible with most major manufacturers' shoe-mount flashes with manual power control.
- Receiver can be mounted on any 1/4"-20 threaded stud or standard cold shoe.◦
- Each unit runs on two AAA batteries.

1. Safety Note

In order to protect camera from damage, avoid personal injury, please read these safety notes carefully before you use product. Please keep this user manual handy for your reference.

Do not use in high temperature, moisture or flammable environment

Do not expose in direct sun for a long time

Do not apply any fluids to the product

Do not disassemble or modify

Do not fall on hard object

Do not attempt to service the unit on your own.

Do not mix different type of batteries; Do not mix new and old battery

Do not install battery in reserve

Before battery exhaust, take out battery to avoid damage to the product

When the battery is in contact with the skin or clothing, rinse immediately with water

Always keep out of reach of children

2.Content of Carton

Canon version

1pc transmitter

1pc receiver

1pc 2.5 to 3.5mm PC sync cord

1pc 3.5 to 6.3mm adapter

1pc C1 Canon shutter release cable

1pc C3 Canon shutter release cable

Nikon version

1pc transmitter

1pc receiver

1pc 2.5 to 3.5mm PC sync cord

1pc 3.5 to 6.3mm adapter

1pc N1 Nikon shutter release cable

1pc N3 Nikon shutter release cable

Sony version

1pc transmitter

1pc receiver

1pc 2.5 to 3.5mm PC sync cord

1pc 3.5 to 6.3mm adapter

1pc S1 Sony shutter release cable

3. Name of Parts

Transmitter



Receiver



4. Install Battery

Open the battery compartment, then insert 2 new AAA alkaline batteries or 2 AAA 1.2V rechargeable battery. Make sure that the polarity is correct: the "+" and "-" markings on the batteries and in the compartment must match.

Note: Lower battery power will result in no flash or missing flash. When batteries are in lower power, please replace them with new ones as soon as possible. When not use transmitter and receiver, please turn Function Switch to "OFF" or take out the batteries to reduce power consumption.



receiver



transmitter

5. Setting channel

Receiver and transmitter each has 4 encoding switch, and 16 channels in total.

Note: The transmitter and receiver must be set at the same frequency channel!

Channel Number	Corresponding Codes	Channel Diagram
0	1 2 3 4	<p>ON</p> <p>1 2 3 4</p>
1	(on) 2 3 4	<p>ON</p> <p>1 2 3 4</p>
2	1 (on) 3 4	<p>ON</p> <p>1 2 3 4</p>
3	(on) (on) 3 4	<p>ON</p> <p>1 2 3 4</p>
4	1 2 (on) 4	<p>ON</p> <p>1 2 3 4</p>
5	(on) 2 (on) 4	<p>ON</p> <p>1 2 3 4</p>
6	1 (on) (on) 4	<p>ON</p> <p>1 2 3 4</p>
7	(on) (on) (on) 4	<p>ON</p> <p>1 2 3 4</p>

8	1 2 3 (on)	
9	(on) 2 3 (on)	
10	1 (on) 3 (on)	
11	(on) (on) 3 (on)	
12	1 2 (on) (on)	
13	(on) 2 (on) (on)	
14	1 (on) (on) (on)	
15	(on) (on) (on) (on)	

On the radio transmitter, the encode switch from left to right is 1,2,3,4.

When push the switch to "ON", every code represent a value, channel 1 represent digit 1, channel 2 represents digit 2, channel 3 represent digit 4, channel 4 represent digit 8. When push the switch to number-side, the digit is 0. You can calculate the total value according to the key's state.

For example, when all the 4 buttons are set to "ON" side, the total value is $1+2+4+8=15$. "15" is the channel code.

6. Operate Radio Trigger

6-1 Wirelessly Trigger Studio Flash

- Set radio receiver and transmitter at the same channel.
- Turn Function Switch to “Flash” mode on transmitter and receiver.
- When camera is power off, slip transmitter’s mounting foot fully into the camera’s hot shoe adapter. Rotate locking ring clockwise. Switch on camera.
- When studio flash is switch off, directly insert one end of sync cord into sync jack of transmitter, and insert the other end of sync cord into sync jack of studio flash. Switch on studio flash.
- Press camera shutter button, and the studio flash will be triggered simultaneously.



6-2 Wirelessly Trigger Speedlite

- Set radio receiver and transmitter at the same channel.
- Turn Function Switch to “Flash” mode on transmitter and receiver.
- When camera is OFF, slip transmitter’s mounting foot fully into the camera’s hot shoe adapter. Rotate locking ring clockwise. Switch on camera.
- When speedlite is OFF , slip the speedlite mounting foot fully into receiver’s hot shoe adapter. Switch on speedlite.
- Press camera shutter button, and the speedlite will be triggered simultaneously.



6-3 Wirelessly Control Shutter Release

- Set radio receiver and transmitter at the same channel.
- Turn Function Switch to “Camera” mode on transmitter and receiver.
- When camera is OFF, slip receiver’s mounting foot fully into the camera’s hot shoe adapter.
- Insert one end of shutter release cable into camera, and another end of shutter release cable into transmitter. Switch on camera.
- Press triggering button, to control camera’s shutter speed.



6-3-1 Normal shutter shooting

Choose normal shutter shooting mode, half press “triggering button”, “Transmitter signal indicator” and “receiver signal indicator” turns on green, camera automatically focus. Fully press “triggering button”, “Transmitter signal indicator” and “receiver signal indicator” turns on red, camera shoot.

6-3-2 Long-exposure setting

Long press “triggering button” about 3 seconds, then release “trigger button”, “transmitter signal indicator” turns from red to off, “receiver signal indicator” remains in red and camera remains long-exposure. Press “triggering button” again, camera stops exposure and “signal indicator” of both receive and transmitter turn off.






6-3-3 Delay shooting

Turn Function Switch to “Delay” mode on transmitter. The function switch remains in “Camera” mode in receiver. Half press “triggering button”, “transmitter signal indicator” and “receiver signal indicator” turns on green, camera automatically focus. Full press “triggering button”, “transmitter signal indicator” and “receiver signal indicator” blinks in red. Camera will shoot after 5 seconds blinking.

7. Technical Data

Trigger frequency	2.4GHz
Trigger channel	16
Connection of receiver	Cold shoe with 1/4"-20 screw hole Hot shoe mount 2.5mm jack
Connection of transmitter	Cold shoe 2.5mm jack
Sync speed	1/200s
Effective trigger distance	25m
Battery	transmitter: two AAA battery Receiver: two AAA battery
Weight	transmitter: 50g Receiver: 50g
Size	transmitter: 88x39x35mm Receiver: 88x39x35mm

8. Models of Shutter release cable

Models of Shutter release cable	Models of Cameras
<p>C1</p> 	<p>Canon EOS 1100D(Rebel T3), 1000D(Rebel XS),700D, 650D(T4i), 600D(Rebel T3i), 60 Da, 60D, 550D(Rebel T2i), 500D(Rebel T1i), 450D(Rebel XSi), 100D</p> <p>Pentax K200, K110D Super, K110D, K100D,K20D, K10D, K-7, K-5, Kr, Kx, *istDS2, *istDS, *istD, *ist, *MZ-6, MZ-L</p>
<p>C3</p> 	<p>Canon EOS 1D Mark IV, 1D(s) Mark III, 1D Mark III, 5D Mark III, 5D Mark II, 1D(s) Mark II, 1D Mark II(N), 1D Mark II, 50D, 40D, 30D, 20D, 10D,7D, 6D, 5D,1D X, 1D C, 1Ds, 1D, 1V, EOS 3, D2000</p>
<p>N1</p> 	<p>Nikon D800E, D800, D700, D300s, D300, D200, D4, D3S, D3X, D3, D2Xs, D2X, D1X, D2Hs, D2H, D1H, D1, F100, N90s, F90X, F5, F6, F90</p> <p>Fuji S5 Pro, S3 Pro</p>
<p>N3</p> 	<p>Nikon D7100, D7000, D5100, D5000, D3200, D3100, D600, D90</p>
<p>S1</p> 	<p>Sony A900, A850, A700, A580, A560, A550, A500, A450, A350, A300, A200, A99, A77, A65, A55, A35, A33, A380, A330, A100</p>

VC-16 for Canon includes two camera shutter release cable C1 & C3.

VC-16 for Nikon includes two camera shutter release cable N1 & N3.

VC-16 for Sony includes one camera shutter release cable S1.

9. Troubleshooting

FAQ	Solution
Unable to trigger the flash or camera shutter	Make sure battery is properly installed. Make sure position of Function switch is in the same and right mode Make sure transmitter and receiver are at the same frequency channel. Make sure connective cable is inserted in the right socket.
No hot shoe on your camera	Use the included "PC sync cord" to connect camera and transmitter
Camera shoots but not focus	Make sure the lens is in AF auto focus mode
Trigger distance is limited or misfires	Replace batteries



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FCC STATEMENT :

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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.