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## FC-16

## 2.4GHz Trigger USER GUIDE

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## Introduction

- A versatile, reliable kit that includes one 16 channel 2.4GHz radio transmitter 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 give 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

### **Sony version**

1pc transmitter  
1pc receiver  
1pc Flash Sync Cable  
1pc 3.5 to 6.35mm adapter  
1pc S2 Sony shutter release cable

### **Nikon version**

1pc transmitter  
1pc receiver  
1pc Flash Sync Cable  
1pc 3.5 to 6.35mm adapter  
1pc N1 Nikon shutter release cable  
1pc N3 Nikon shutter release cable

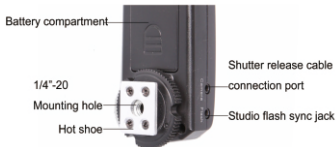
### **Canon version**

1pc transmitter  
1pc receiver  
1pc Flash Sync Cable  
1pc 3.5 to 6.35mm adapter  
1pc C1 Canon shutter release cable  
1pc C3 Canon shutter release cable

### 3.Name of Parts—Transmitter



## Receiver



- Function switch
- Flash(trigger studio flash and speedlite)
- OFF(power off)
- Camera(shutter shooting)

## 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

The package itself doesn't include AAA batteries. Please purchase them separately.



## 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	
1	on 2 3 4	
2	1 on 3 4	
3	on on 3 4	
4	1 2 on 4	
5	on 2 on 4	
6	1 on on 4	
7	on on on 4	

## 5.Setting channel

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

When push the button to "ON" , every code represent a value.

button 1 represent digit 1,

button 2 represents digit 2,

button 3 represent digit 4,

button 4 represent digit 8.

When push the button to OFF (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.

Channel Number	Corresponding Codes	Channel Diagram
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	

## 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 receiver, 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. Operate Radio Trigger

### 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. Operate Radio Trigger

### 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 the shutter release cable into camera, and another end into "Shutter release cable connection port" of the receiver. Switch on camera.
- Press triggering button, to control camera's shutter speed.
- Including the following 3 setting operations (6-3-1/6-3-2/6-3-3)



## 6. Operate Radio Trigger

### 6-3-1 Normal shutter shooting

Slide the Function Switch to "Camera" on both the transmitter and receiver. Set the transmitter and receiver to the same channel. 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 (with camera set to "bulb" mode)

Slide the Function Switch to "Camera" on both the transmitter and receiver. Set the transmitter and receiver to the same channel. 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	2408-2480MHz
Trigger channel	16
Connection of receiver	(Cold shoe with 1/4"-20 screw hole) (Hot shoe mount) (2.5mm jack)
Connection of transmitter	(hot 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><b>Canon EOS</b>            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><b>Canon EOS</b>            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>



## 8.Models of Shutter release cable

Models of Shutter release cable	Models of Cameras
<p>N1</p> 	<p><b>Nikon</b> D800E, D800, D700, D300s, D300, D200, D4, D3S, D3X, D3, D2Xs, D2X, D1X, D2Hs, D2H, D1H, D1, F100, N90s, F90X, F5, F6, F90 Fuji S5 Pro, S3 Pro</p>
<p>N3</p> 	<p><b>Nikon</b> D7100, D7000, D5100, D5000, D3200, D3100, D600, D90</p>

## 8.Models of Shutter release cable

Models of Shutter release cable	Models of Cameras
<p>S2</p> 	<p><b>Sony</b> A7, A7II, A7R, A7RII, A7S, A7SII, A7M2, A3000, A5000, A6000, A6300, A6500, HX300, RX1R, RX10, RX100II, A58, NEX-3NL</p>

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

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

FC-16 for Sony includes one camera shutter release cable S2.

## 9.Troubleshooting

FAQ	Solution
Unable to trigger the flash or camera shutter	<p>Make sure battery is properly installed.</p> <p>Make sure position of Function switch is in the same and right mode</p> <p>Make sure transmitter and receiver are at the same frequency channel.</p> <p>Make sure connective cable is inserted in the right socket.</p>
Camera shoots but not focus	Make sure the lens is in AF auto focus mode
Trigger distance is limited or misfires	Replace batteries

#### 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.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.