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Foreword

Thanks for your purchase of this X1C TTL wireless flash trigger.

This TTL wireless flash trigger can be used with a transmitter and one or more receivers for studio flash, speedlite, and camera shutter. Featuring multi-channel triggering, stable signal transmission, and sensitive reaction, it gives photographers unparalleled flexibility and control over their strobist setups. The flash trigger applies to hotshoe-mounted Canon EOS series cameras, as well as the cameras which have PC sync sockets.

With X1C wireless flash trigger, high speed synchronization is available for most of camera flashes in the market which support E-TTL II. The max flash synchronization speed is up to 1/8000s *.

*: 1/8000s is achievable when the camera has a max camera shutter speed of 1/8000s.

1/8000s is not achievable because some models of Canon EOS cameras have a max camera shutter speed of only 1/4000s.

For Your Safety

To prevent damage to your product or injury to you or to others, read the following safety precautions in their entirety before using this device. Keep these safety instructions where all those who use this device will read them.

Failure to observe the precautions listed in this section could result in damage to the product. The following icon indicates warnings that should be read before using this device in case of possible damage or injury.

For Your Safety

A Do not disassemble or modify

Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries and take the product to an authorized maintenance center for inspection.

A Keep dry

Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.

A Do not use in the presence of flammable gas

Failure to observe this precaution could result in explosion or fire.

A Keep out of reach of children

This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

A Turn off the transceiver immediately in the event of malfunction

Should smoke or an unusual smell comes from this device, remove the batteries immediately in case of burning and take the device to an authorized maintenance center for inspection. Injuries could occur if it is further used.

A Do not expose to high temperature

Do not leave the device in a closed vehicle in the sun or in other areas subject to extremely high temperature. Failure to observe this precaution could result in fire or damage to the casing or internal parts.

A Observe precautions when handling batteries

Batteries may leak or explode if improperly handled. Observe the following precautions when handling batteries for use in this device:

- Use only batteries listed in this manual. Do not use old and new batteries or batteries of different types at the same time.
- Read and follow all warnings and instructions provided by the manufacturer.
- Batteries cannot be short-circuited or disassembled.
- Do not put batteries into a fire or apply direct heat to them.
- Do not attempt to insert batteries upside down or backwards.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove batteries when the product is not used for a long time or when batteries run out of charge.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

Names of Parts

• Body

Transmitter



LCD Panel

/ E

G

C B

A

I

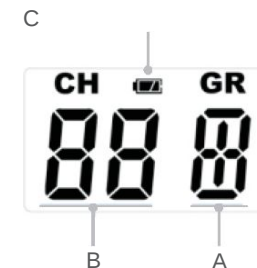
(A) Output Settings per Group in the M Mode; FEC Settings per Group in the TTL Mode
 (B) Mode Settings (C) Group (D) Currently Selected Group (E) Channel Settings
 (F) GR Grouping Icon (G) Synchronization Delay Setting Icon (H) Low Battery Indicator (I) Single Contact Icon

Names of Parts

Receiver



LCD Panel



(A) Group Setting (B) Channel Setting (C) Low Battery Indicator

Names of Parts

• Accessories

1. Remote Cable (C1, C3) Cable



2. Sync



3. Sync Adapter



Battery

• Installing Batteries

As shown in the illustration, slide the battery compartment lid of the transmitter and receiver and insert two AA batteries (sold separately) separately.

• Low Battery Indication

When the battery power (2 AA batteries <2.0V) gets low, Status Indicator Lamp blinks quickly (blink cycle=0.5s). Please replace new batteries, as low power leads to no flash or flash missing in case of long distance.



Using the Flash Trigger

The flash trigger features the following functions:

1. As a Wireless Studio Flash Trigger

- 1.1 Mount the transmitter on camera hotshoe and turn it on before turning on the camera.
- 1.2 Connect the receiver to studio flash by Sync Cable (one end in 2.5mm Shutter Release Port of the receiver, the other end in sync port of studio flash) before turning on the studio flash.
- 1.3 Set the transmitter and the receiver to the same channel.
- 1.4 Press the camera shutter button, and the studio flash will be triggered simultaneously. Status Indicator Lamp of both transmitter and receiver units turn red.

2. As a Wireless Speedlite Trigger

- 2.1 Mount the transmitter on camera hotshoe and turn it on before turning on the camera.
- 2.2 Mount the speedlite to Hot Shoe Speedlite Connection of receiver unit. Set the speedlite to M mode.
- 2.3 Set the transmitter and the receiver units to the same channel.
- 2.4 Press the camera shutter button, and the speedlite will be triggered simultaneously. Status Indicator Lamp of both transmitter and receiver units turn red.

3. As a Wired Shutter Release

- 3.1 Connect the receiver and the camera by Remote Cable (one end in receiver's Shutter Release Port, the other end in camera's shutter port) before turning on the camera.
- 3.2 Half press the <TEST> Trigger Button to focus. When fully press the <TEST> Trigger Button to shoot, the Status Indicator Lamp will turn red until releasing the button.

Using the Flash Trigger

4. As a Wireless Studio Flash Trigger or Speedlite Trigger with PC Sync Socket

- 4.1 The connection method of the receiver can be found in As a Wireless Studio Flash Trigger and As a Wireless Speedlite Trigger section.
- 4.2 The transmitter will control the flash on the receiver end to fire via using PC Sync Socket as input by default.
- 4.3 Press the camera shutter and use the PC Sync Socket's signal to control the flash.
- 4.4 PC Sync Socket can also be set as output. Long press the <CH> Button of the transmitter until <Fn> is displayed on the panel. Then, set the value of Fn 03 to 1, and the PC Sync Socket is under output mode.



Setting the Transmitter

• Power Switch

Slide the Power Switch to ON, and the device is on and Status Indicator Lamp will not blink.

Note: In order to avoid power consumption, turn off the transmitter when not in use.

• Power Switch of AF Assist Beam

Slide the power switch to ON, and the AF lighting is allowed to output.

• Channel Setting

1. Short press the <CH> Button until the channel amount blinks.
2. Turn the Select Dial to choose the appropriate channel. Press the <CH> Button again to confirm the setting.
3. This flash trigger contains 32 channels which can be changed from 1 to 32. Set the transmitter and the receiver to the same channel before usage.

Setting the Transmitter

• Mode Setting

1. Short press the <MODE> Button, and the mode of the current group will change.
2. To NON-GR grouping mode, all the groups' modes will be changed simultaneously by the order of TTL/M, in accordance with Ratio flash mode. To GR grouping mode, only the current group's mode will be changed by the order of TTL/M/--.

• Current Group Settings

1. Short press the <GR> Button to set the current group.
2. The current group settings will blink and turn the Select Dial to change the settings.
3. When the current group is in the M mode, the power output value is changeable from 1/1 full power to 1/128th power in 0.3 stop increments. When the current group is in the TTL mode, the FEC amount is changeable from -3 to 3 in 0.3 stop increments. When the current group is in the -- mode (flash off), the amounts will not change.
4. Short press the <GR> Button again to confirm the setting.

• Group Settings

1. Long press the <GR> Button to set all the groups that in the same modes simultaneously.
2. The settings of the groups which are in the same mode with the current group will blink. Turn the Select Dial to change the settings.
3. If the current group is in the M mode, all the other groups which are in the M mode will change their power output value simultaneously. The power output value is changeable from 1/1 full power to 1/128th power in 0.3 stop increments, until one of the group's setting turns to the maximum(1/1) or the minimum(1/128). If the current

Setting the Transmitter

group is in the TTL mode, all the other groups which are in the M mode will change their FEC amount simultaneously. The FEC amount is changeable from -3 to 3 in 0.3 stop increments, until one of the group's setting turns to the maximum(3) or the minimum(-3). If the current group is in the -- mode (flash off), the amounts will not change.

4. Short press the <GR> Button again to confirm the setting.

• Test Flash

1. Press the <TEST> Trigger Button to see the whether flash will fire normally or not.
2. Fully press the <TEST> Trigger Button, and the Status Indicator Lamp turns red and the flash on the receive end can be triggered.
3. Use the transmitter to control camera to focus or shoot, and the transmitter is connecting to the camera (do not connect to the flash) now.
4. In the standby mode, press the TEST Button can wake up the receiver.
5. The settings on the transmitter end will synchronize to the receiver end at the same time.



• Setting GR Grouping Mode

1. Press the <MODE> Mode Button until **Gr** icon is displayed, which shows that GR grouping mode has been set.
2. To cancel GR grouping mode, press the <MODE> Button again until the **Gr** icon disappeared.

Note: GR mode can only be used normally when attaching to the CANON EOS cameras that issued after 2012. If the camera model do not support GR grouping flash mode, NON GR mode will be changed automatically. And the GR icon on the LCD panel will disappear.



Setting the Transmitter

• Automatically Enter Power Saving Mode

1. The flash trigger will go into standby mode after the transmitter enter sleep mode, and the displays on the LCD panel will disappear.
2. Press any of the button (<TEST> fully pressed/<CH>/<GR>/<MODE>) can wake up the flash trigger. If the transmitter is attached to the CANON EOS camera, half press the shutter can also wake up the system.

C.Fn: Setting Custom Functions

The following table lists the available and unavailable custom functions of this flash. The icon "V" indicates the flash custom function is supported but "0" indicates the custom function is not supported.

Custom Functions No.	Functions	Setting Signs	Settings and Description	Application
C.Fn-00	Synchronization delay setting	0	OFF	V
		1~100	Master flash synchronization delay N*100 us (synchronization delay icon is displayed.)	
C.Fn-01	Single contact mode	0	OFF	V
		1	ON (The single contact mode set icon [^] is displayed.)	
C.Fn-02	Zoom setting	0	Do not change the zoom value.	V
		AU	Changing with camera's zoom value.	
		20,24,28,35,50,70,80,105,135,135+	Zoom(20/24/28/35/50/70/80/105/135/135+mm)	
C.Fn-03	PC sync socket connects with camera/flash	0	PC sync socket connects with camera	V
		1	PC sync socket connects with flash	

1. Press the <CH> Button for 2 seconds or longer until <Fn> is displayed.
2. Select the custom function No.
* Turn the Select Dial to choose the Custom Function No.
3. Change the Setting.
* Press the <GR> Button until the custom function No. blinks.
* Turn the Select Dial to set the desired number. Pressing <GR> button will confirm the settings.
* Press <MODE> button to exit the C.Fn settings.

Setting the Transmitter

• Wireless Shutter Release Mode

Half press the <TEST> Trigger Button to focus. Fully press the <TEST> Trigger Button, and the Status Indicator Lamp turns red. Now camera is ready to shoot. When releasing the button, the Status Indicator Lamp turns off.

• Setting the Camera

Use the External Flash Function on the camera to do the setting.

Note: 1. GR mode can only be used normally when attaching to the CANON EOS cameras that issued after 2012. If the camera model do not support GR grouping flash mode, NON GR mode will be changed automatically.

2. In the NON-GR mode, Ration Off is steadily set in the TTL mode while A:B C is steadily set in the M mode.

Setting the Receiver

• Channel Setting

1. Short press the <CH> Button and the channel amount will increase a step each time.
2. Long press the <CH> Button will enter quicker adjustment mode. The channel amount will increase fast in this mode.
3. Release the <CH> Button and the current channel amount is confirmed.
4. The channel amount will increase from 1 to 32. When the current channel is 32, press the <CH> Button again and the channel 1 will be displayed on the panel.



Setting the Receiver

• Group Settings

1. Short press the <GR> Button and the group amount will increase a step each time.
2. Long press the <GR> Button will enter quicker adjustment mode. The group amount will increase fast in this mode.
3. Release the <GR> Button and the current group amount is confirmed.
4. The group amount will increase from A to E. When the current group is E, press the <GR> Button again and the group A will be displayed on the panel.

Note: If the transmitter in the same channel is set to NON-GR grouping mode, the effective groups of the receiver will change from A to C. Make sure the receiver 's group is set to A/B/C.
If the transmitter in the same channel is set to GR grouping mode, the effective groups of the receiver will change from A to E.

• Automatically Enter Power Saving Mode

1. The system will go into standby mode after the transmitter goes into standby mode. And the displays on the LCD panel disappear now.
2. To wake up the system, press the <TEST> Button or the <GR> Button. Fully press the <TEST> Trigger Button of the transmitter can also wake up the receiver's system. If the transmitter is attached to the CANON EOS camera, half press the camera shutter can also wake up the system.

Attentions

1. Unable to trigger flash or camera shutter. Make sure batteries are installed correctly and Power Switch is turned on. Check if the transmitter and the receiver are set to the same channel, if the hotshoe mount or connection cable is well connected, or if the flash triggers are set to the correct mode.
2. Camera shoots but does not focus. Check if the focus mode of the camera or lens is set to MF. If so, set it to AF.
3. Signal disturbance or shooting interference. Change a different channel on the device.
4. Operating distance limited or flash missing. Check if batteries are exhausted. If so, change them.
5. No is displayed on the camera viewfinder, though the camera is mounted on the transmitter and the power switch is turned on. This is resulted from unusual working of the transmitter. Check and make sure the flash trigger is well connected to the camera through Hot Shoe Camera Connection, then power the Transmitter on again.

Caring for Flash Trigger

- **Avoid sudden drops.** The device may fail to work after strong shocks, impacts, or excess stress.
- **Keep dry.** The product isn't water-proof. Malfunction, rust, and corrosion may occur and go beyond repair if soaked in water or exposed to high humidity.
- **Avoid sudden temperature changes.** Condensation happens if sudden temperature changes such as the circumstance when taking the transceiver out of a building with higher temperature to outside in winter. Please put the transceiver in a handbag or plastic bag beforehand.
- **Keep away from strong magnetic field.** The strong static or magnetic field produced by devices such as radio transmitters leads to malfunction.

Technical Data

Model	X1C
Type	For Canon
Compatible Cameras	Canon EOS cameras (E-TTL II autoflash) Support for the cameras that have PC sync socket.
Built-in remote system	2.4G Wireless Transmission
Modulation mode	MSK
Power supply	2*AA batteries
Exposure Control	
Manual flash	Yes
TTL autoflash	E-TTL II
TTL Control	
High-speed sync	Yes
Flash exposure compensation	Yes, ± 3 stops in 1/3 stop increments
Flash exposure lock	Yes
Focus assist	Manual open
Second curtain sync	No
Modeling flash	Yes, fired with camera's depth-of-field preview button
Wireless Flash	
Wireless function	In TTL mode, Ratio Off
	In M mode, Flash Ratio (A:B C)
	Support for GR group flash, A-E group can set their flash mode separately.
Controllable slave group	In the GR grouping mode, 5 (A/B/C/D/E)
	In the Ratio grouping mode, 3 (A/B/C)
Transmission range(approx.)	>100m
Channel	32
Others	
Synchronization delay set	Yes (0~10ms, use 100us as the unit)
Wireless shutter release	Receiver can control camera shooting through 2.5mm sync port
ZOOM setting	Adjust the flash's focal length through the transmitter
LCD panel	Wide LCD panel, backlight on/off
Output interface	Transmitter: use a PC cord to input and output
	Receiver: use a 2.5mm sync cord to output
Firmware upgrade	Use the Micro USB port to upgrade
Memory function	Settings will be stored 2 seconds after last operation and recover after a restart
Dimension/Weight for Transmitter	72x75x52(mm)/100g
Dimension/Weight for Receiver	70x65x47(mm)/70g

FCC warning

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

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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