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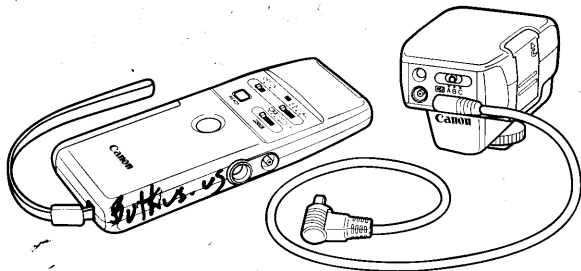
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# Canon

## Wireless Controller LC-5



使用説明書

INSTRUCTION MANUAL

MODE D'EMPLOI

BEDIENUNGSANLEITUNG

MANUALE D'USO

MANUAL DE INSTRUCCIONES

INSTRUCTIEHANDLEIDING

使用说明书

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# Wireless Controller

## LC-5

**Thank you for purchasing this Canon product.**

The Wireless Controller LC-5 enables remote shooting from locations at distances up to approx. 100 meters/330 feet. It can also switch between single and continuous shooting and enables simultaneous shooting using multiple receivers and cameras.

Be sure that you read and fully understand this instruction manual and the camera instruction manual before usage to ensure that you are familiar with the operations and use them correctly.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions. 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.

Note: This equipment has been tested and found to comply with the limits for class B digital devices, 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.





**N118**

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# Contents

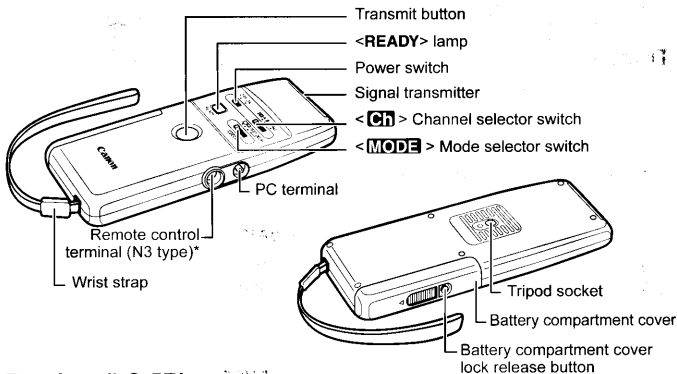
Nomenclature .....	3
Inserting the Batteries .....	4
Attaching the Receiver .....	6
Attaching to the camera accessory shoe.....	6
Attaching to the supplied bracket .....	6
Setting the Transmitter and Receiver .....	7
Setting the channel.....	7
Setting the receiver.....	7
Device Positioning and Reception Testing .....	8
Positioning of camera and receiver .....	8
Reception testing.....	8
Shooting .....	9
Shooting in <DELAY> mode.....	10
Simultaneous shooting using multiple cameras .....	10
Ultra-remote shooting using multiple LC-5 .....	10
Troubleshooting.....	11
Specifications .....	12

## Conventions used in this instruction manual

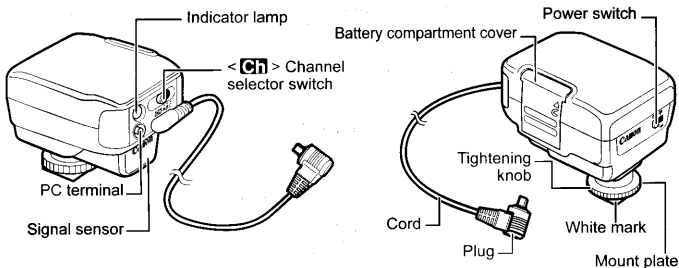
- The operation procedures in this instruction manual assume that the power switches for the camera and this device are turned on.
- For more information, reference page numbers are provided in parentheses (p. \*\*).
- This manual uses the following alert symbols:
  -  : The caution symbol indicates a warning to prevent shooting problems.
  -  : The note symbol gives supplemental information.
- The Film Advance mode in the film camera is denoted by Drive mode in this manual.

# Nomenclature

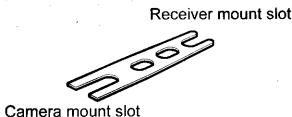
## Transmitter (LC-5T)



## Receiver (LC-5R)



## Bracket

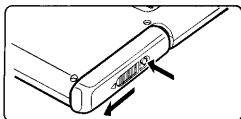


\* The Remote Switch RS-80N3 or Timer Remote Controller TC-80N3 (both sold separately) can be connected.

# Inserting the Batteries

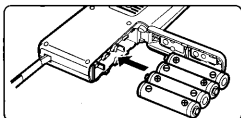
The transmitter and receiver both use four AA size batteries. Besides alkaline batteries, nickel-hydrate batteries and lithium batteries can also be used.

## Transmitter



### 1 Open the cover.

- Slide the battery compartment cover in the direction of the arrow while pressing down the lock release button.

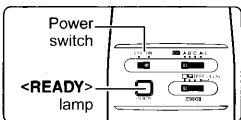


### 2 Insert the batteries.

- Be sure to insert the batteries in the proper + - orientation.

### 3 Close the cover.

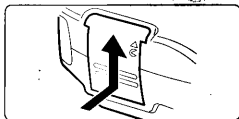
- To close, slide the battery compartment cover in the opposite of the opening direction.



### 4 Check the battery level.

- The battery level is adequate if the <READY> lamp turns on within two seconds after the power switch is set to <ON>.
- Approx. 4500 transmissions can be performed when using new AA size alkaline batteries.
- Replace with new batteries if the <READY> lamp flickers, flashes, or does not turn on.

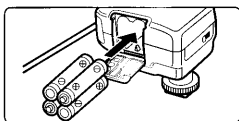
## Receiver



1

### Open the cover.

- Slide the battery compartment cover in the direction of the arrow to open.



2

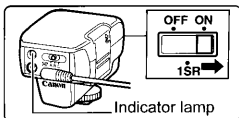
### Insert the batteries.

- Be sure to insert the batteries in the proper + - orientation.

3

### Close the cover.

- To close, slide the battery compartment cover in the opposite of the opening direction.



4

### Check the battery level.

- The battery level is adequate if the indicator lamp turns on for about one second after the power switch is set to <1SR> or <ON>.
- Approx. 100 hours of operation can be performed when using new AA size alkaline batteries (continuous standby time).
- Replace with new batteries if the indicator lamp flashes or does not turn on after the power switch is turned on.

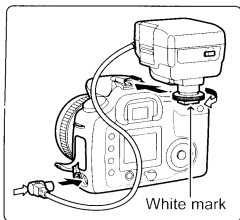
- ⚠ Usage of AA size battery types other than alkaline batteries can result in poor contact for certain battery types due to the lack of a unified standard for the contact shape.

# Attaching the Receiver

The receiver can be attached in two ways.

*Beitk.us.us*

## Attaching to the camera accessory shoe



### 1 Attach the receiver to the accessory shoe.

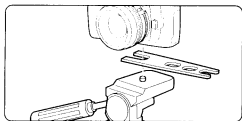
- Insert into the accessory shoe with the white mark of the mount plate facing forward.
- Turn the tightening knob in the direction of the arrow to tighten.

### 2 Insert the plug of the receiver cord into the remote control terminal of the camera.

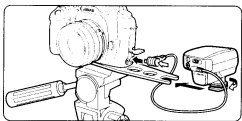
- Press the black part of the plug, and insert until it locks into place.
- To remove the plug, hold the silver part of the plug and pull out.

## Attaching to the supplied bracket

When a flash is already attached to the accessory shoe, attach the receiver to the bracket.



### 1 Attach the bracket between the tripod and camera.



### 2 Attach the receiver to the bracket.

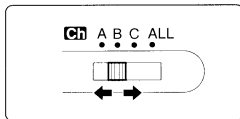
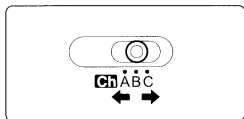
- Insert the mount plate into the bracket, and then turn the tightening knob in the direction of the arrow to tighten.

### 3 Insert the plug of the receiver cord into the remote control terminal of the camera.




# Setting the Transmitter and Receiver ■

## Setting the channel ■



Setting the transmitter **<Ch>** switch to **<ALL>** enables shooting at any receiver channel.


To prevent mixed signals with other remote controllers, set the transmitter and receiver to the same channel (**<A>**, **<B>**, or **<C>**).

 Multiple receivers can be controlled simultaneously with a single transmitter.




## Setting the receiver

Set the receiver power switch to **<ON>** or **<1SR>**.

**<ON>**: The transmit button on the transmitter can be used with the same halfway-press and full-press operations as the camera shutter button.


Setting the camera drive mode to  enables switching between Single and Continuous shooting using the transmitter.

**<1SR>**: This is set when shooting with a short time lag after shooting preparation is complete. 1SR is an abbreviation for One Step Release.

-  ● When set to **<ON>**, be sure to first press the transmit button halfway down, and wait until the **<READY>** lamp turns on before fully pressing. Shooting may not be possible if the transmit button is fully pressed right away.
- When set to **<1SR>**, be sure that the drive mode setting is the same for the transmitter and camera. Multiple shots may be taken if the drive mode is set to  in the transmitter and  in the camera.

# Device Positioning and Reception Testing

## Positioning of camera and receiver


- The receiver can be turned 360 degrees. Adjust the receiver direction so that the signal sensor is facing the transmitter.
  - Since signals reflect off walls in indoor environments, operation is possible with approximate positioning.
  - Although operation is possible up to distances of 100 meters/330 feet, the actual distance range may be shorter due to obstacles, the directions of the transmitter or receiver, weather, atmospheric conditions, and other factors.
-  ● Be sure that the receiver cord does not get in the way of the lens or signal sensor.
- Do not place any objects between the transmitter and receiver. This could prevent transmission or reception of signals.
  - When indoors, do not use remote controllers for televisions or other electronic devices while using this device. This could cause a malfunction.

## Reception testing

Set the transmitter <MODE> switch to <TEST>.

Check that the transmitter <READY> lamp is turned on, and then point it in the direction of the signal sensor and press the transmit button (no shot is taken even if the button is fully pressed).

Transmission and reception are performed normally if the indicator lamp on the receiver turns on for approximately one second.

 Pressing the transmit button several times about once a month with batteries inserted in the transmitter enables the transmitter to be kept in good operating condition.

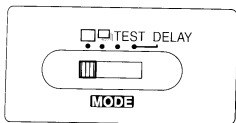
## Communication compatibility with Wireless Controllers LC-1 to LC-4

- LC-1, LC-2: Not compatible
- LC-3, LC-4: Completely compatible

# Shooting

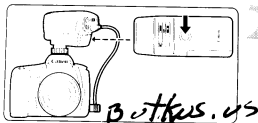
This section describes an example when the receiver power switch is set to <ON>.

When shooting, check that the transmitter <READY> lamp is turned on, and then point it in the direction of the signal sensor and press the transmit button. When shooting in the <1SR> setting, be sure to observe the precautions (ⓘ) on page 7.



## 1 Select <□> or <□>.

- Be sure that the camera drive mode is already set to <□>.  
(In the <1SR> setting, set the drive modes for the transmitter and camera to the same setting.)



## 2 Press the transmit button.

- Halfway pressing the button turns on the indicator lamp on the receiver for a moment.
- Fully pressing the button turns on the indicator lamp on the receiver and performs shooting.

- Cover the viewfinder eyepiece with the eyepiece cover to block out the light. Shooting without blocking out the light can change the exposure due to light entering from the viewfinder.
- Adjust the focus using <MF> (manually). Shooting cannot be performed unless the focus is achieved using <AF> in some cases.
- During continuous shooting, hold down the transmit button while pointing the transmitter towards the receiver.
- In <□> mode, signals are not received from the transmitter while the receiver indicator lamp is turned on or flashing.
- During flash photography, set the camera drive mode to <□>. If flash photography is performed with the camera drive mode set to <□>, the camera may take shots continuously even if the transmitter is set to single shooting mode.

- During bulb exposure, set the transmitter <MODE> switch to <□>. The exposure continues while the transmit button is being held down.
- During continuous shooting, keep the transmit button held down (the receiver indicator lamp remains on during continuous shooting).
- The Remote Switch RS-80N3 (sold separately) can be used to connect to the transmitter remote control terminal.

## Shooting in <DELAY> mode

This mode is used for taking commemorative photos, and other situations that include the user, where you do not want to capture the transmitter in the image.

Set the transmitter < **MODE** > switch to < **DELAY** >.

Press the transmit button all the way down so that the receiver indicator lamp flashes. The photo is taken about 3.5 seconds later.

## Simultaneous shooting using multiple cameras

Simultaneous shooting can be performed using multiple cameras with receivers attached.

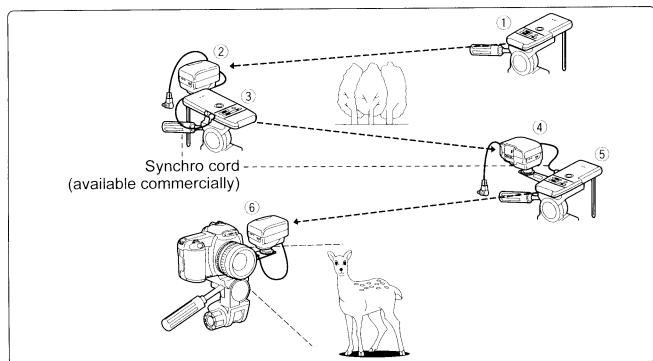
The shooting method is identical to shooting with a single receiver.

Before shooting, use < **TEST** > mode to check that all receivers are responding.

## Ultra-remote shooting using multiple LC-5

As shown in the figure, using a synchro cord with plugs on each end (available commercially) to connect the transmitter and receiver PC terminals enables the transmitter to be used as a relay device.

Set ① and ⑥ to the same channel, and set all ② to ⑤ to channel < **A** > for shooting.



# Troubleshooting

Refer to the examples below to check the device. Be sure to also check the batteries and power switches of the camera and this device (p. 4, 5).

## Unable to shoot.

- ⊗ **Did you wait until the <READY> lamp was lit before pressing the transmit button?**
  - Check that the <READY> lamp is turned on before pressing the transmit button.
- ⊗ **Are the transmitter and receiver set to the same channel?**
  - Set to the same channel or to <ALL> (p. 7).
- ⊗ **Is the transmitter <MODE> selector switch set to <TEST>?**
  - Switch to a setting other than <TEST>.
- ⊗ **Is sunlight shining on the signal sensor?**
  - Adjust by turning the receiver so that sunlight does not shine on the signal sensor.
- ⊗ **Is the receiver plug connected securely to the camera?**
  - Insert the plug securely into the camera until it locks into place (p. 6).
- ⊗ **Is the lens focus mode switch set to <AF>?**
  - Set to <MF> and adjust the focus manually (p. 9).

## Multiple shots were taken even though the transmit button was pressed just for a moment.

- ⊗ **Is the camera or transmitter drive mode set to <□>?**
  - Set to <□> (p. 7, 9).

## Shots are taken even though the transmit button was not pressed.

- ⊗ **Is anyone nearby using an LC-5, LC-4, or LC-3?**
  - Set to a different channel from the other user (p. 7).
- ⊗ **Is anyone nearby using a remote controller for a television or other electronic device?**
  - Ask the user to stop using the remote controller (p. 8).
- ⊗ **Is anyone nearby using the stroboscopic function?**
  - Ask the user to stop using the stroboscopic function.
- ⊗ **Is there a fluorescent light immediately near the receiver?**
  - Separate the receiver and fluorescent light.

# Specifications

Type .....	Wireless remote controller system using infrared modulated light pulses (approx. 800 to 1000 nm)
Compatible cameras .....	EOS series cameras with N3 type remote control terminal
Transmission distance .....	Max. approx. 100 m/330 ft. (when using one transmitter-receiver set)
Channels .....	A, B, and C (3 channels), and ALL channels
Mode settings .....	Single shooting, continuous shooting, operation test, and approx. 3.5 sec. delay
Release .....	Halfway-press, full-press, and one-step release
Remote control terminal .....	N3 type remote control terminal for Remote Switcher RS-80N3 and Timer Remote Controller TC-80N3
PC terminal .....	Terminal for transmitter-receiver connection
Number of possible transmissions .....	Approx. 4500 times (when using alkaline batteries)
Transmission interval .....	Approx. 0.3 second
Reception standby time .....	Approx. 100 continuous hours (when using alkaline batteries)
Power supply .....	Four AA size alkaline batteries each for transmitter and receiver
Dimensions (W x H x D) .....	Transmitter: 69 x 163 x 22 mm/2.7 x 6.4 x 0.9 in. Receiver: 64 x 75 x 93 mm/2.5 x 3 x 3.7 in.
Weight .....	Transmitter: 130 g/4.6 oz. (no batteries) Receiver: 120 g/4.2 oz. (no batteries)

- ⌘ All the specifications above are based on Canon's testing standards.
- ⌘ The specifications and physical appearance are subject to change without notice.

This Class B digital apparatus complies with Canadian ICES-003.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This instruction manual is current as of April 2005. Please contact the Canon Service Center for information about combining usage with products released after this date.