Timer Remote Controller

TC-E3
TC-N3

Advanced User Guide

EN

CT2-D426-A

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Introduction

Timer Remote Controller TC-E3 and TC-N3 are remote switches with timer control and shot count control functions. It is useful in time-lapse photography of blooming flowers and in astrophotography, for example.
* For details on compatible cameras, check the Canon website or others.
* This Advanced User Guide is for both Timer Remote Controller TC-E3 and TC-N3.

Read before use

To avoid shooting problems and accidents, first read the Safety Instructions. Also read this Advanced User Guide carefully to ensure correct use.
This product is not dustproof or waterproof. Do not allow rain, sand, dust, etc. to enter the product.

Read in conjunction with the camera instruction manual

Before use, read this guide and the Advanced User Guide for your camera to familiarize yourself with operations and ensure correct use.
* **Explanations in this guide are based on use with an EOS digital camera.**

- Instruction Manual
- About This Guide
- Safety Instructions
- Part Names

Instruction Manual



The included Instruction Manual provides basic product information.

- **Advanced User Guide**

  Complete instructions are provided in this Advanced User Guide.
  For the latest Advanced User Guide, refer to the following website.
  https://cam.start.canon/A015/

About This Guide

Icons in This Guide

Basic Assumptions

Icons in This Guide

	Links to pages with related topics.
	Warning to prevent shooting problems.
	Supplemental information.

Basic Assumptions

- In this guide, the timer remote controller is referred to as the "remote controller."
- Instructions apply to a camera with the power turned on.
- Icons used for buttons or symbols in this guide correspond to icons found on the camera or remote controller.
- It is assumed that all settings (such as menu settings and Custom Functions) are set to defaults.

Safety Instructions

Be sure to read these instructions in order to operate the product safely.
Follow these instructions to prevent injury or harm to the operator of the product or others.

⚠ WARNING: Denotes the risk of serious injury or death.

- Keep the product out of the reach of young children.
- The battery is dangerous if swallowed. If swallowed, seek immediate medical assistance.
- Use only power sources specified in this instruction manual for use with the product.
- Do not disassemble or modify the product.
- Do not expose the product to strong shocks or vibration.
- Do not touch any exposed internal parts.
- Stop using the product in any case of unusual circumstances such as the presence of smoke or a strange smell.
- Do not use organic solvents such as alcohol, benzine or paint thinner to clean the product.
- Do not get the product wet. Do not insert foreign objects or liquids into the product.
- Do not use the product where flammable gases may be present.
  This may cause electric shock, explosion or fire.
- Observe the following instructions when using commercially available batteries or provided battery packs.
  - Use batteries/battery packs only with their specified product.
  - Do not heat batteries/battery packs or expose them to fire.
  - Do not charge batteries/battery packs using non-authorized battery chargers.
  - Do not expose the terminals to dirt or let them come into contact with metallic pins or other metal objects.
  - Do not use leaking batteries/battery packs.
  - When disposing of batteries/battery packs, insulate the terminals with tape or other means.
    This may cause electric shock, explosion or fire.
  - If a battery/battery pack leaks and the material contacts your skin or clothing, flush the exposed area thoroughly with running water. In case of eye contact, flush thoroughly with copious amounts of clean running water and seek immediate medical assistance.
- A cord wrapped around a person's neck may result in strangulation.

⚠ CAUTION: Follow the cautions below. Otherwise physical injury or property damage may result.

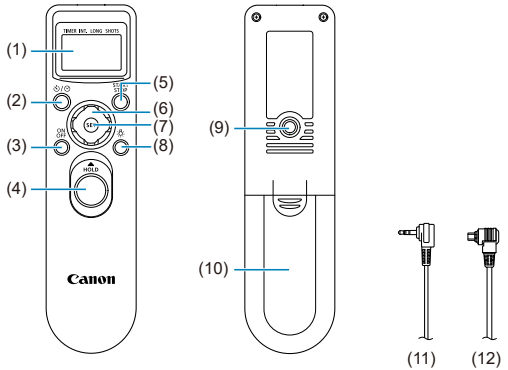
- Do not leave the product in places exposed to extremely high or low temperatures.
  The product may become extremely hot/cold and cause burns or injury when touched.

Part Names

Body

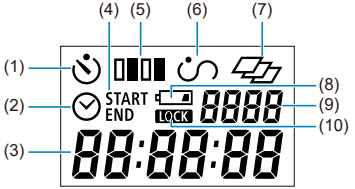
Display Panel

Body



(1)	Display panel
(2)	〈⏱/⏲〉 Self-timer/time button
(3)	〈ON/OFF〉 Power button
(4)	Release button
(5)	〈START/STOP〉 Start/Stop button
(6)	〈✣〉 Cross keys
(7)	〈SET〉 Set button
(8)	〈☼〉 Display panel illumination button
(9)	Tripod socket
(10)	Battery compartment cover
(11)	Plug (E3)
(12)	Plug (N3)

Display Panel



(1)	Self-timer icon
(2)	Time icon
(3)	Time display
(4)	START/END icon
(5)	Interval timer icon
(6)	Long-exposure timer icon
(7)	Shot count icon
(8)	Battery-low icon
(9)	Shot count display
(10)	Setting lock indicator

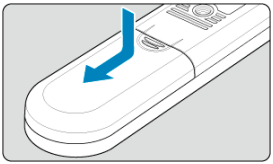
Preparation and Basic Operations

- Inserting Batteries in the Remote Controller
- Checking Battery
- Connecting the Remote Controller to a Camera
- Turning On the Remote Controller
- Setting the Time
- Activating Illumination
- Locking the Remote Controller

Inserting Batteries in the Remote Controller

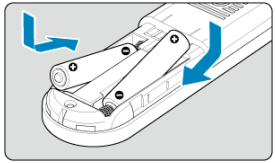
The remote controller uses two batteries. You can use LR03/AAA alkaline batteries or HR03/AAA NiMH batteries.

1. **Remove the battery compartment cover.**



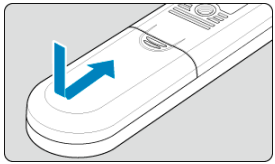
- Slide the battery compartment cover off.

2. **Insert batteries.**



- Insert the batteries as shown, making sure the positive and negative ends are correct.

3. **Attach the battery compartment cover.**

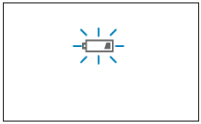


- Slide the battery compartment cover on.

4. **Set the time ( ).**

Checking Battery

When the [ ] battery-low icon appears, replace the batteries with new ones.

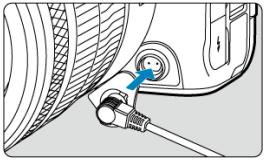


Connecting the Remote Controller to a Camera

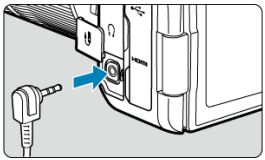
1. **On the camera, open the terminal cover.**

   - For details, refer to the camera instruction manual.

2. **Connect the plug to the camera remote control terminal.**



TC-N3



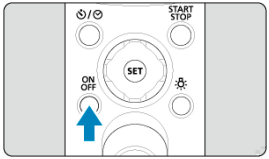
TC-E3

Caution

- To disconnect the TC-N3 plug, hold the silver part of the plug and pull it out.

Turning On the Remote Controller

Press and hold the 〈ON/OFF〉 button for 3 sec. to turn the remote controller on.



- To turn the remote controller off, press and hold the 〈ON/OFF〉 button for 3 sec.

Setting the Time

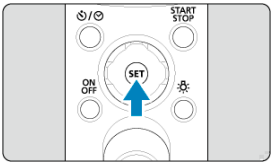
Set the current time on the remote controller.

1. **Select time display.**

   - Press the 〈⏱/🕒〉 button and select the [🕒] time icon.



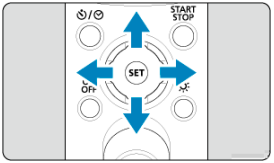
2. **Press and hold 〈SET〉 for 3 sec.**



   - The time display starts blinking.



3. Set the time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.

4. Exit the setting.

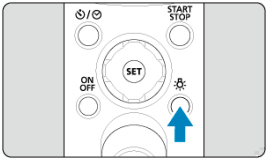
- Press 〈(SET)〉.

Note

- If no operation is performed within 5 min., this setting is closed and no time is set.

Activating Illumination

Each press of the 〈☼〉 button switches illumination on or off.



Note

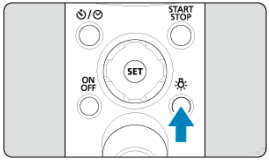
- If no operation is performed within approx. 6 sec. after illumination is activated, illumination is deactivated.

Locking the Remote Controller

Press and hold the 〈 〉 button for 3 sec. to lock the remote controller. While it is locked, input other than the 〈 〉 button has no effect.
To unlock the remote controller, press and hold the 〈 〉 button again for 3 sec.

Caution

- The release button is not locked.



- The [LOCK] setting lock indicator is displayed while the remote controller is locked, and the remote controller continues to display the status before locking.



Shooting with the Remote Controller

Using the Remote Controller

The remote controller can be used in three ways: to set self-timer settings, to set a shooting time, and to shoot remotely.

Self-Timer Shooting ( )

Set your preferred shot count for the camera to take individual shots at your specified interval until all shots are taken.

Timed Shooting ( )

Set times to start and end shooting according to your preferred schedule.

Shooting Remotely ( )

Shoot by pressing the release button. Shooting is possible even without batteries.

Note

- Taking test shots in advance is recommended.

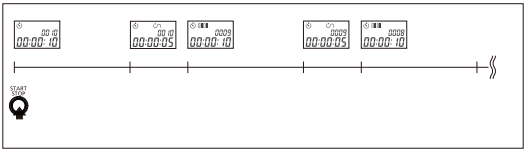
Self-Timer Shooting

Configuring Self-Timer Shooting

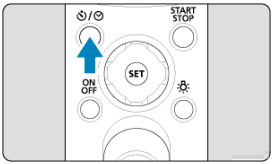
Operation During Shooting

Configuring Self-Timer Shooting

The camera shoots as shown in the following figure.
Shooting begins after the time set for the self-timer elapses. The camera shoots as many times as your specified shot count.
For this type of shooting, set the self-timer (), interval timer (), long-exposure timer () and shot count ().



1. **Select self-timer shooting.**



- Press the 〈/〉 button and select the [] self-timer icon.



2. Configure the self-timer.

- Press 〈 (SET) 〉 and set the amount of time.



- Press 〈 ◀ 〉 or 〈 ▶ 〉 to select hours, minutes, or seconds.
- Press 〈 ▲ 〉 or 〈 ▼ 〉 to change the number.
- When finished, press 〈 (SET) 〉 .

Caution

- Pressing 〈 ▲ 〉 and 〈 ▶ 〉 together resets the setting.
- If you are using autofocus, note that making the amount of time too short may not give the camera enough time to focus.

3. Configure the interval timer.

- Press 〈▶〉 and select the [▯▮▯▮] interval timer icon.



- Press 〈SET〉 and set the amount of time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈SET〉.

Note

- Interval timer time is the time between the end of one exposure and the start of the next.
- The interval between shots is a combination of the time set for the interval timer and the time set for the long-exposure timer.

4. Configure the long-exposure timer.

- Press 〈▶〉 and select the [ ] long-exposure timer icon.



- Press 〈SET〉 and set the amount of time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈SET〉.

Caution

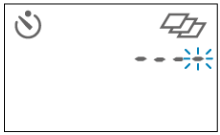
- Exposure time settings apply when the camera is set to long (bulb) exposures. In other shooting modes, the camera shoots at your specified shutter speed. To shoot at the shutter speed set on the camera, set the exposure timer to [00:00:00].

5. Set the shot count.

- Press 〈▶〉 and select the [⧉] shot count icon.



- Press 〈(SET)〉 and set the number of shots.



- Press 〈◀〉 or 〈▶〉 to switch digits.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈(SET)〉.

Caution

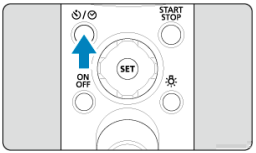
- Set to [----] for an unlimited shot count.

Operation During Shooting

Operation during shooting is as follows.
Examples of camera and remote controller settings are listed below.

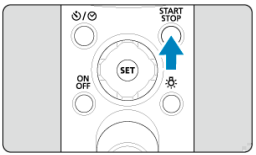
- Camera
  - Drive mode: [**Single shooting**]
  - Shooting mode: Long (bulb) exposures
  - Bulb timer: [**Disable**]
- Remote controller
  - Self-timer: 10 sec.
  - Long-exposure timer: 5 sec.
  - Interval timer: 10 sec.
  - Shot count: 10

- Press the 〈⏲/♡〉 button and select the [⏲] self-timer icon.





- Press the 〈START/STOP〉 button.



- blinks as the configured self-timer time starts counting down. The shutter opens after the configured time elapses.



- blinks as the configured long-exposure timer time starts counting down. The shutter closes after the configured time elapses.



- The shot count is reduced by one, and blinks as the configured interval timer time starts counting down. The shutter opens after the configured time elapses.



- blinks again as the configured long-exposure timer time starts counting down. The shutter closes after the configured time elapses.



- After this, the interval timer and long-exposure timer are activated repeatedly until the shot count reaches 0.

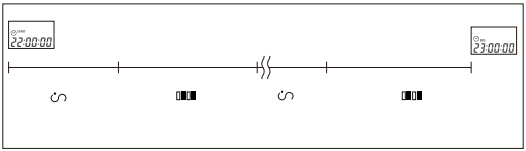
Timed Shooting

Configuring the Shooting Time

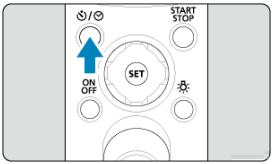
Operation During Shooting

Configuring the Shooting Time

The camera shoots as shown in the following figure.
The camera starts and stops shooting at the configured times. There is no need to set the shot count, which is determined by the interval and exposure times configured between the shooting start and end times.
Here, set the start time (START), end time (END), interval timer (▮▮▮), and long-exposure timer (ᔓ).



1. **Select time display.**



- Press the 〈⏱/🕒〉 button and select the [🕒] time icon.



2. Configure the start time.

- Press 〈▶〉 to display the [START] start time.



- Press 〈SET〉 and set the amount of time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈SET〉.

Caution

- Pressing 〈▲〉 and 〈▶〉 together resets the setting.

3. Configure the end time.

- Press 〈▶〉 to select the [END] end time.



- Press 〈SET〉 and set the amount of time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈SET〉.

4. Configure the interval.

- Press 〈▶〉 and select the [▯▮▯▮] interval timer icon.



- Press 〈SET〉 and set the amount of time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈SET〉.

5. Configure the exposure time.

- Press 〈▶〉 and select the [ ] long-exposure timer icon.



- Press 〈SET〉 and set the amount of time.



- Press 〈◀〉 or 〈▶〉 to select hours, minutes, or seconds.
- Press 〈▲〉 or 〈▼〉 to change the number.
- When finished, press 〈SET〉.

Note

- Interval timer time is the time between the end of one exposure and the start of the next.
- The interval between shots is a combination of the time set for the interval timer and the time set for the long-exposure timer.

Caution

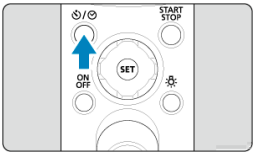
- Exposure time settings apply when the camera is set to long (bulb) exposures. In other shooting modes, the camera shoots at your specified shutter speed.

Operation During Shooting

Operation during shooting is as follows.
Examples of camera and remote controller settings are listed below.

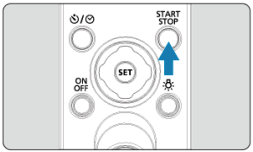
- Camera
  - Drive mode: [**Single shooting**]
  - Shooting mode: Long (bulb) exposures
- Remote controller
  - Start time: 22:00
  - End time: 23:00
  - Interval timer: 25 sec.
  - Long-exposure timer: 20 sec.

- Press the 〈⏱/⏲〉 button and select the [⏲] time icon.





- The current time appears.
- Press the 〈START/STOP〉 button.



- Shooting begins when the start time is reached.



- blinks as the configured long-exposure timer time starts counting down. The shutter closes after the configured time elapses.
- blinks as the configured interval timer time starts counting down. The shutter opens after the configured time elapses.



- blinks again as the configured long-exposure timer time starts counting down. The shutter closes after the configured time elapses.



- After this, the interval timer and long-exposure timer are activated repeatedly until the end time is reached.

Note

- To display the end time during this operation, press the 〈/〉 button.

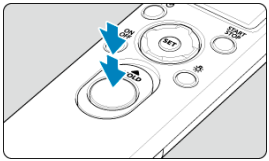
Caution

- Any exposure in progress when the end time is reached will continue until the configured exposure time has elapsed.

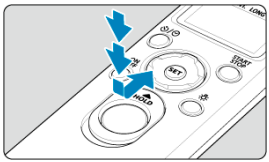
Shooting Remotely

Shoot by pressing the release button. Shooting is possible even without batteries.

- The release button can be pressed halfway or completely. Pressing halfway focuses the camera on a subject, and the shutter speed and aperture value are determined. Pressing completely takes the picture.



- The release button can be locked by pressing it completely and sliding it as shown. This is useful for long exposures and continuous shooting. To unlock the release button, slide it in the direction opposite from locking.



Caution

- You can shoot by pressing the release button even while the self-timer (ⓘ) or interval timer (▯▮▯) is active. At this time, the number of times you press the release button does not affect the shot count displayed. (The number of presses is not subtracted from the shot count.)
- Shooting is not possible while the long-exposures timer (ⓘ) is active, even if you press the release button.

Specifications

Type		Wired timer remote controller
Release function		Two-step push button switch with lock function
Power source		Two LR03/AAA alkaline batteries. * HR03/AAA NiMH batteries: can be used, AAA lithium batteries/lithium-ion batteries: cannot be used.
Cord length		Approx. 80 cm / Approx. 2.6 ft.
Dimensions (W × H × D)		Approx. 40.0 × 154.0 × 19.6 mm / Approx. 1.57 × 6.06 × 0.77 in.
Weight	TC-E3	Approx. 80 g / Approx. 2.82 oz. * Excluding batteries
	TC-N3	Approx. 95 g / Approx. 3.35 oz. * Excluding batteries
Working temperature range		0°C–45°C / 32°F–113°F
Working humidity		85% or less

- All data above based on Canon testing standards.
- Product specifications and appearance are subject to change without notice.

Regulations

Only for European Union and EEA (Norway, Iceland and Liechtenstein) and United Kingdom



These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU), the Battery Regulation ((EU) 2023/1542) and/or national legislation implementing those Directives and Regulation and the UK Waste Electrical and Electronic Equipment Regulations and the UK Batteries and Accumulators Regulations.

If a chemical symbol is printed beneath the symbol shown above, in accordance with the Battery Regulation and the UK Batteries and Accumulators Regulations, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Battery Regulation and the UK Batteries and Accumulators Regulations.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit

www.canon-europe.com/sustainability/approach/.