Canon

EOS 6D Mark II

Camera

Wi-Fi (Wireless Communication) Function

Basic Instruction Manual

Instruction manuals (PDF files) and software can be downloaded from the Canon Web site (p.4, 194).

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Canon

EOS 6D Mark II

Camera Basic Instruction Manual

The Camera Basic Instruction Manual covers the most basic operations and functions.

Introduction

The EOS 6D Mark II is a digital single-lens reflex camera featuring a full-frame (approx. 35.9 x 24.0 mm) CMOS sensor with approx. 26.2 effective megapixels, DIGIC 7, normal ISO speed range of ISO 100 - ISO 40000 (for still photos), high-precision and high-speed 45-point AF (up to 45 cross-type points), maximum continuous shooting speed of approx. 6.5 shots/sec., Live View shooting, Full HD video shooting, 4K time-lapse movie shooting, Dual Pixel CMOS AF, Wi-Fi/NFC/Bluetooth (wireless communication) function, and GPS function.

Before Starting to Shoot, Be Sure to Read the Following

To avoid botched pictures and accidents, first read the “Safety Precautions” (p.15-17) and “Handling Precautions” (p.18-20). Also, read this manual carefully to ensure that you use the camera correctly.

Refer to This Manual while Using the Camera to Further Familiarize Yourself with the Camera

While reading this manual, take a few test shots and see how they come out. You can then better understand the camera. Be sure to store this manual safely, too, so that you can refer to it again when necessary.

Testing the Camera Before Use and Liability

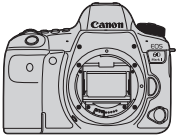
After shooting, play images back and check whether they have been properly recorded. If the camera or memory card is faulty and the images cannot be recorded or downloaded to a computer, Canon cannot be held liable for any loss or inconvenience caused.

Copyrights

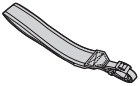
Copyright laws in your country may prohibit the use of your recorded images of people and certain subjects for anything but private enjoyment. Also be aware that certain public performances, exhibitions, etc. may prohibit photography even for private enjoyment.

Item Check List

Before starting, check that all the following items are included with your camera. If anything is missing, contact your dealer.



Camera
(with eyecup and body cap)



Strap

Battery Pack LP-E6N
(with protective cover)

Battery Charger
LC-E6/LC-E6E*

* Battery Charger LC-E6 or LC-E6E is provided. (The LC-E6E comes with a power cord.)

- **The camera does not come with an interface cable or HDMI cable.**
- **The camera does not come with the Software CD-ROM.**
- The Instruction Manuals are listed on the next page.
- For Software, see page 192.
- If you purchased a Lens Kit, check that the lenses are included.
- Be careful not to lose any of the above items.
- For items sold separately, see the System Map.

When you need Lens Instruction Manuals, download them from the Canon Web site (p.4).
The Lens Instruction Manuals (PDF files) are for lenses sold individually. Note that when purchasing the Lens Kit, some of the accessories included with the lens may not match those listed in the Lens Instruction Manual.

Instruction Manuals

Camera Basic Instruction Manual and Wi-Fi (Wireless Communication) Function Basic Instruction Manual

The booklet is the Basic Instruction Manual that contains the Camera Basic Instruction Manual and the Wi-Fi Function Basic Instruction Manual.
More detailed Instruction Manuals (PDF files) can be downloaded from the Canon Web site to your computer or the like.

Downloading the Instruction Manuals (PDF Files)

The Instruction Manuals (PDF files) can be downloaded from the Canon Web site to your computer or the like.

- **Instruction Manual (PDF files) download site:**
  - **Camera Basic Instruction Manual and Wi-Fi (Wireless Communication) Function Basic Instruction Manual** (this booklet)
  - **Camera Instruction Manual**
  - **Wi-Fi (Wireless Communication) Function Instruction Manual**
  - **Lens Instruction Manual**
  - **Software Instruction Manual**

▶ **www.canon.com/icpd**

- **To view the Instruction Manuals (PDF files), Adobe Acrobat Reader DC or other Adobe PDF viewer (most recent version recommended) is required.**
- Adobe Acrobat Reader DC can be downloaded for free from the Internet.
- Double-click a downloaded Instruction Manual (PDF file) to open it.
- To learn how to use PDF viewing software, refer to the software's Help section or the like.

Downloading Instruction Manuals Using QR Code

The Instruction Manuals (PDF files) can be downloaded to your smartphone or tablet using the QR code.

▶ **www.canon.com/icpd**

- A software application is required to read out the QR code.
- Select your country or region of residence, then download the Instruction Manuals.
- Select [**Manual/software URL**] under the [**5**] tab to display the QR code on the camera's LCD monitor.

Compatible Cards

The following cards can be used with the camera regardless of capacity. **If the card is new or was previously formatted (initialized) by another camera or computer, format the card with this camera** (p.63).

- **SD/SDHC*/SDXC* memory cards**
  * UHS-I cards supported.

Cards that Can Record Movies

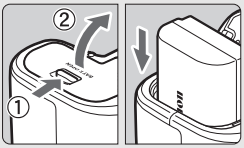
When shooting movies, use a large-capacity card with good enough performances (fast enough writing and reading speeds) to handle the movie recording quality. For details, see page 179.

In this manual, "card" refers to SD memory cards, SDHC memory cards, and SDXC memory cards.

* **The camera does not come with a card for recording photos/movies.** Please purchase it separately.

Quick Start Guide

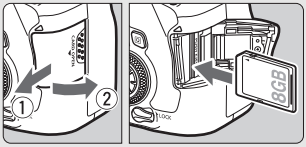
1



Insert the battery (p.36)**.**

- Upon purchase, charge the battery to start using (p.34).

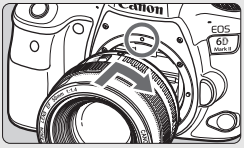
2



Insert the card (p.37)**.**

- With the card's label facing toward the back of the camera, insert it into the card slot.

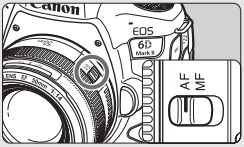
3



Attach the lens (p.46)**.**

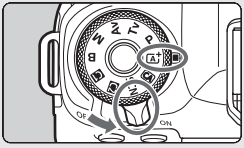
- Align the red mount index on the lens with the red mount index on the camera to attach the lens.

4



Set the lens's focus mode switch to <AF> (p.46)**.**

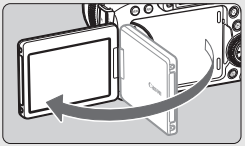
5



Set the power switch to <ON>, then set the shooting mode to <A+> (p.40)**.**

- Turn the Mode Dial while holding down the button at the center.
- All the necessary camera settings will be set automatically.

6



Flip out the LCD monitor (p.39).

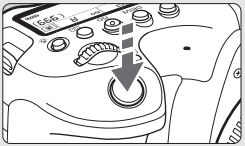
- When the LCD monitor displays the date/time/zone setting screen, see page 42.

7

Focus on the subject (p.49).

- Look through the viewfinder and aim the viewfinder center over the subject.
- Press the shutter button halfway, and the camera will focus on the subject.

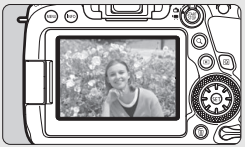
8



Take the picture (p.49).

- Press the shutter button completely to take the picture.

9



Review the picture.

- The image just captured will be displayed for approx. 2 sec. on the LCD monitor.
- To display the image again, press the <▶> button (p.182).

- To shoot while looking at the LCD monitor, see “Live View Shooting” (p.157).
- To view the images captured so far, see “Image Playback” (p.182).
- To delete images, see “Erasing Images” (p.190).

Conventions Used in this Manual

Icons in this Manual

<⊙>	: Indicates the Main Dial.
<◎>	: Indicates the Quick Control Dial.
<✥>	: Indicates the Multi-controller.
<▲><▼><◀><▶>	: Indicates the direction of the shift or move when the key on the Multi-controller is pressed.
<SET>	: Indicates the Setting button.
⏱4/⏱6/⏱8/⏱10/⏱16	: After you press an operation button, this indicates how long (in seconds) the respective setting will remain in effect after you let go of the button. The respective time will be 4 sec., 6 sec., 8 sec., 10 sec., or 16 sec.

* In addition to the above, the icons and symbols used on the camera's buttons and displayed on the LCD monitor are also used in this manual when discussing relevant operations and functionality.

MENU	: Indicates a function that can be changed by pressing the <MENU> button to change its settings.
☆	: This icon on the right of the page title indicates that the function is available only in the Creative Zone modes (<**P**>, <**Tv**>, <**Av**>, <**M**>, and <**B**>).
(p.***)	: Reference page numbers for more information.
	: Warning to prevent shooting problems.
	: Supplemental information.
	: Tips or advice for better shooting.
?	: Troubleshooting advice.

Notes About the Instructions and Sample Photos

- All operations described in this manual assume that the power switch is set to <ON> and the <LOCK> switch is set to the downward (Multi function lock released) (p.40, 52).
- It is assumed that all the menu settings and Custom Functions are set to their defaults.
- The illustrations in this manual show the camera attached with the EF50mm f/1.4 USM lens as an example.
- The sample photos displayed on the camera and used in this manual are for instructional purposes only.

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For Troubleshooting guide and Specifications, refer to the Instruction Manual (PDF files) downloadable from the Canon Web site. For how to download the Instruction Manual, see page 4.

Certification Logo

Select [**5: Certification Logo Display**] and press <SET> to display some of the logos of the camera's certifications. Other certification logos can be found in this Instruction Manual, on the camera body, and on the camera's package.

Safety Precautions

The following precautions are provided to prevent harm or injury to yourself and others. Make sure to thoroughly understand and follow these precautions before using the product. **If you experience any malfunctions, problems, or damage to the product, contact the nearest Canon Service Center or the dealer from whom you purchased the product.**

⚠ Warnings: Follow the warnings below. Otherwise, death or serious injuries may result.

- To prevent fire, excessive heat, chemical leakage, explosions, and electrical shock, follow the safeguards below:
  - Do not use any batteries, power sources, or accessories not specified in the Instruction Manual. Do not use any home-made or modified batteries, or the product if it is damaged.
  - Do not insert the battery's plus and minus ends incorrectly.
  - Do not short-circuit, disassemble, or modify the battery. Do not apply heat or solder to the battery. Do not expose the battery to fire or water. Do not subject the battery to strong physical shock.
  - Do not recharge the battery in temperatures outside the allowable charging (working) temperature range. Also, do not exceed the recharge time indicated in the Instruction Manual.
  - Do not insert any foreign metallic objects into the electrical contacts of the camera, accessories, connecting cables, etc.
- When disposing of a battery, insulate the electrical contacts with tape. Contact with other metallic objects or batteries may cause a fire or an explosion.
- If excessive heat, smoke, or fumes are emitted when recharging the battery, immediately unplug the battery charger from the power outlet to stop recharging. Otherwise, it may cause a fire, heat damage, or electrical shock.
- If the battery leaks, changes color, deforms, or emits smoke or fumes, remove it immediately. Be careful not to get burned in the process. It may cause a fire, electrical shock or burns if you keep using it.
- Prevent any battery leakage from contacting your eyes, skin, and clothing. It can cause blindness or skin problems. If the battery leakage comes in contact with your eyes, skin, or clothing, flush the affected area with lots of clean water without rubbing it. See a physician immediately.
- Do not leave any cords near a heat source. It can deform the cord or melt the insulation and cause a fire or electrical shock.
- Do not hold the camera in the same position for long periods of time. Even if the camera does not feel too hot, prolonged contact with the same body part may cause skin redness or blistering due to low-temperature contact burns. Using a tripod is recommended when using the camera in very hot places or for people with circulation problems or poor skin sensation.
- Do not fire the flash at anyone driving a car or other vehicle. It may cause an accident.
- When the camera or accessories are not in use, make sure to remove the battery, and disconnect the power plug and connecting cables from the equipment before storing. This is to prevent electrical shock, excessive heat, fire, and corrosion.

- Do not use the equipment where there is flammable gas. This is to prevent an explosion or a fire.
- If you drop the equipment and the casing breaks open to expose the internal parts, do not touch the exposed internal parts. There is a possibility of an electrical shock.
- Do not disassemble or modify the equipment. High-voltage internal parts can cause electrical shock.
- Do not look at the sun or an extremely bright light source through the camera or lens. Doing so may damage your vision.
- Keep equipment out of the reach of children and infants, including when in use. Straps or cords may accidentally cause choking, electrical shock, or injury. Choking or injury may also occur if a child or infant accidentally swallows a camera part or accessory. If a child or infant swallows a part or accessory, consult a physician immediately.
- Do not use or store the equipment in dusty or humid places. Likewise, keep the battery away from metallic items and store it with its protective cover attached to prevent short-circuit. This is to prevent fire, excessive heat, electrical shock, and burns.
- Before using the camera inside an airplane or hospital, check if it is allowed. Electromagnetic waves emitted by the camera may interfere with the plane's instruments or the hospital's medical equipment.
- To prevent a fire and electrical shock, follow the safeguards below:
  - Always insert the power plug all the way in.
  - Do not handle a power plug with wet hands.
  - When unplugging a power plug, grasp and pull the plug instead of the cord.
  - Do not scratch, cut, or excessively bend the cord or put a heavy object on the cord. Also do not twist or tie the cords.
  - Do not connect too many power plugs to the same power outlet.
  - Do not use a cord whose wire is broken or insulation is damaged.
- Unplug the power plug periodically and clean off the dust around the power outlet with a dry cloth. If the surrounding is dusty, humid, or oily, the dust on the power outlet may become moist and short-circuit the outlet, causing a fire.
- Do not connect the battery directly to an electrical outlet or a car's cigarette lighter outlet. The battery may leak, generate excessive heat or explode, causing fire, burns, or injuries.
- A thorough explanation of how to use the product by an adult is required when the product is used by children. Supervise children while they are using the product. Incorrect usage may result in electrical shock or injury.
- Do not leave a lens or lens-attached camera in the sun without the lens cap attached. Otherwise, the lens may concentrate the sun's rays and cause a fire.
- Do not cover or wrap the product with a cloth when using it. Doing so may trap heat within and cause the casing to deform or catch fire.
- Be careful not to get the camera wet. If you drop the product in the water or if water or metal get inside the product, promptly remove the battery. This is to prevent fire, electrical shock, and burns.
- Do not use paint thinner, benzene, or other organic solvents to clean the product. Doing so may cause fire or a health hazard.

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

- Do not use or store the product in a high-temperature location such as inside a car under the hot sun. The product may become hot and cause burns. Doing so may also cause battery leakage or explosion, which will degrade the performance or shorten the life of the product.
- Do not carry the camera around when it is attached to a tripod. Doing so may cause an injury or an accident. Also make sure the tripod is sturdy enough to support the camera and lens.
- Do not leave the product in a low-temperature environment for an extended period of time. The product will become cold and may cause injury when touched.
- Do not fire the flash near the eyes. It may hurt the eyes.

Handling Precautions

Camera Care

- This camera is a precision instrument. Do not drop it or subject it to physical shock.
- The camera is not waterproof and cannot be used underwater.
- To maximize the camera's dust- and drip- resistance, keep the terminal cover, battery compartment cover, card slot cover, and all other covers firmly closed.
- This camera is designed to be dust- and drip- resistant, in order to help prevent sand, dust, dirt, or water that falls on it unexpectedly from getting inside, but it is impossible to prevent dirt, dust, water, or salt from getting inside at all. As far as possible, do not allow dirt, dust, water, or salt to get on the camera.
- If water gets on the camera, wipe it off with a dry and clean cloth. If dirt, dust, or salt gets on the camera, wipe it off with a clean, well-wrung wet cloth.
- Using the camera in a location with large amounts of dirt or dust may cause a malfunction.
- Cleaning the camera after use is recommended. Allowing dirt, dust, water, or salt to remain on the camera may cause a malfunction.
- If you accidentally drop the camera into water or are concerned that moisture (water), dirt, dust, or salt may have gotten inside it, promptly consult the nearest Canon Service Center.
- Never leave the camera near anything having a strong magnetic field such as a magnet or electric motor. Also, avoid using or leaving the camera near anything emitting strong radio waves, such as a large antenna. Strong magnetic fields can cause camera misoperation or destroy image data.
- Do not leave the camera in excessive heat, such as in a car in direct sunlight. High temperatures can cause the camera to malfunction.
- The camera contains precision electronic circuitry. Never attempt to disassemble the camera yourself.

- Do not block the mirror operation with your finger, etc. Doing so may cause a malfunction.
- Use only a commercially-available blower to blow away dust when it adheres to the lens, viewfinder, reflex mirror, focusing screen, etc. Do not use cleaners that contain organic solvents to clean the camera body or lens. For stubborn dirt, take the camera to the nearest Canon Service Center.
- Do not touch the camera's electrical contacts with your fingers. This is to prevent the contacts from corroding. Corroded contacts can cause camera malfunction.
- If the camera is suddenly brought in from the cold into a warm room, condensation may form on the camera and internal parts. To prevent condensation, first put the camera in a sealed plastic bag and let it adjust to the warmer temperature before taking it out of the bag.
- If condensation forms on the camera, do not use the camera. This is to avoid damaging the camera. If there is condensation, remove the lens, card and battery from the camera, and wait until condensation has evaporated before using the camera.
- If the camera will not be used for an extended period, remove the battery and store the camera in a cool, dry, well-ventilated location. Even while the camera is in storage, press the shutter button a few times once in a while to check that the camera is still working.
- Avoid storing the camera where there are chemicals that result in rust and corrosion such as in a chemical lab.
- If the camera has not been used for an extended period, test all its functions before using it. If you have not used the camera for some time or if there is an important shoot such as a foreign trip coming up, have the camera checked by your nearest Canon Service Center or check the camera yourself and make sure it is working properly.
- If you repeat continuous shooting or perform Live View shooting or movie shooting for a prolonged period, the camera may become hot. This is not a malfunction.
- If there is a bright light source inside or outside the image area, ghosting may occur.

LCD Panel and LCD Monitor

- Although the LCD monitor is manufactured with very high precision technology with over 99.99% effective pixels, 0.01% or fewer of the pixels may be dead, and there may also be spots of black, red, or other colors. This is not a malfunction. They do not affect the images recorded.
- If the LCD monitor is left on for a prolonged period, screen burn-in may occur where you see remnants of what was displayed. However, this is only temporary and will disappear when the camera is left unused for a few days.
- The LCD monitor display may seem slightly slow in low temperatures or may look black in high temperatures. It will return to normal at room temperature.

Cards

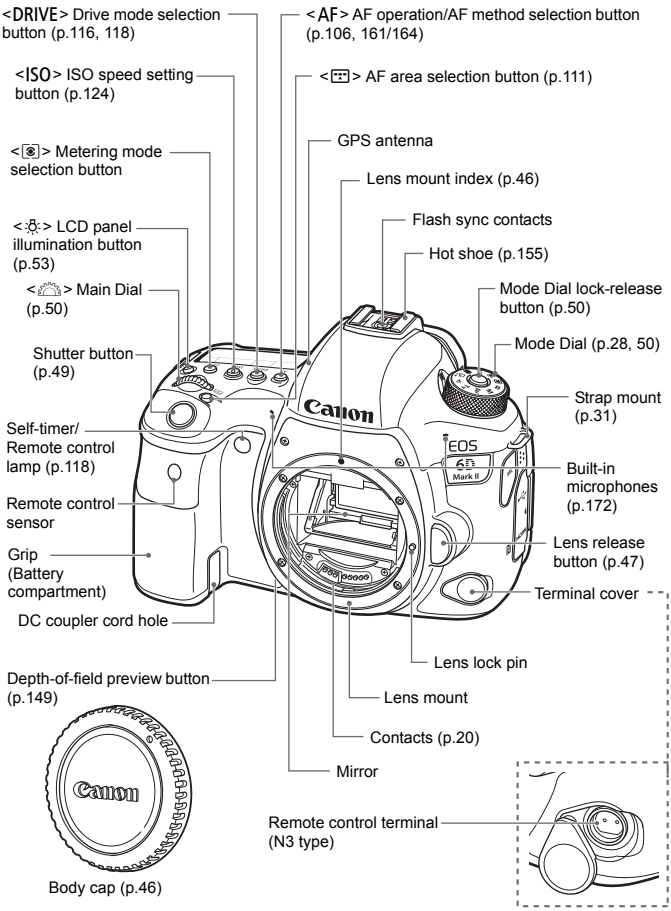
To protect the card and its recorded data, note the following:

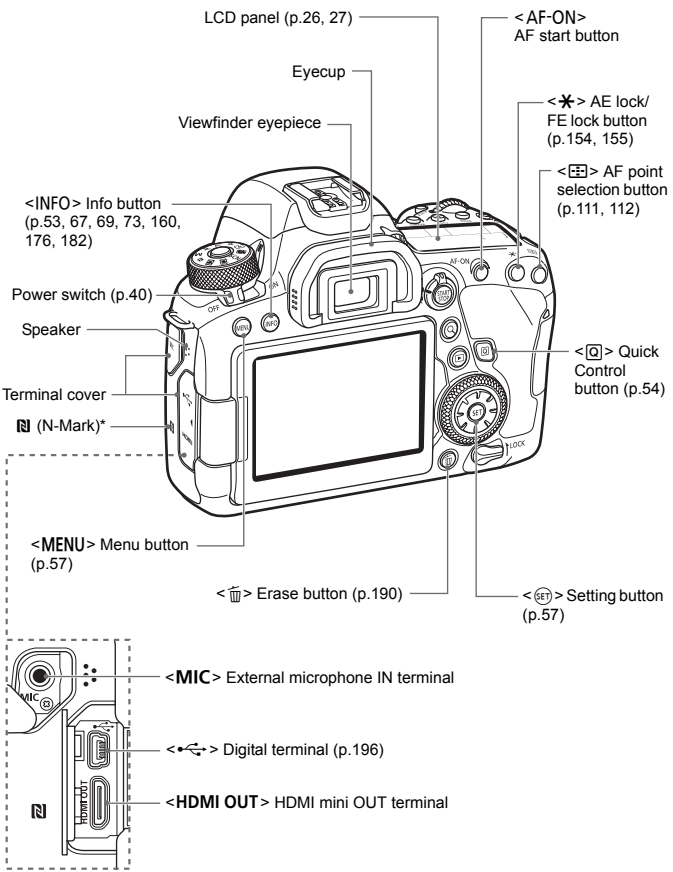
- Do not drop, bend, or wet the card. Do not subject it to excessive force, physical shock, or vibration.
- Do not touch the card's electronic contacts with your fingers or anything metallic.
- Do not affix any stickers, etc. on the card.
- Do not store or use the card near anything that has a strong magnetic field, such as a TV set, speakers, or magnets. Also avoid places prone to having static electricity.
- Do not leave the card in direct sunlight or near a heat source.
- Store the card in a case.
- Do not store the card in hot, dusty, or humid locations.

Lens

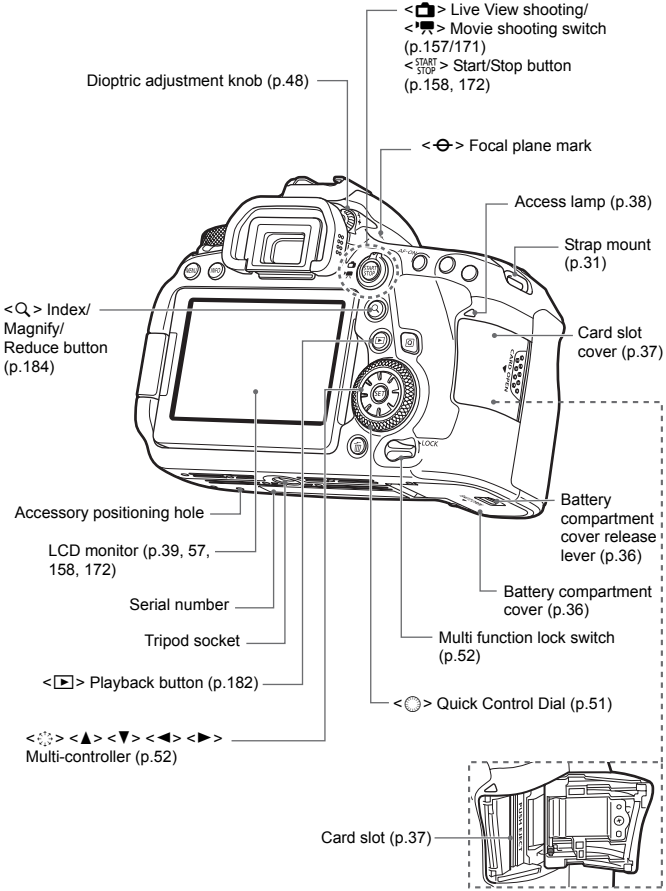
After detaching the lens from the camera, put down the lens with the rear end up and attach the rear lens cap to avoid scratching the lens surface and electrical contacts.

Nomenclature

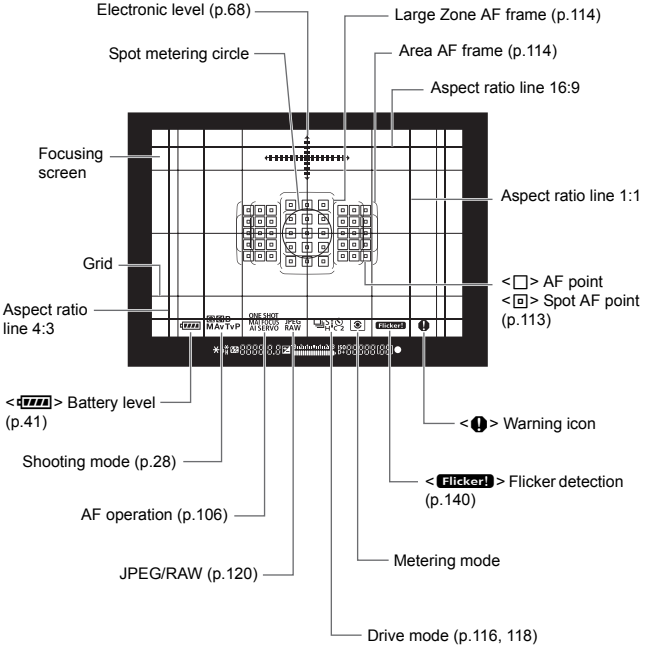




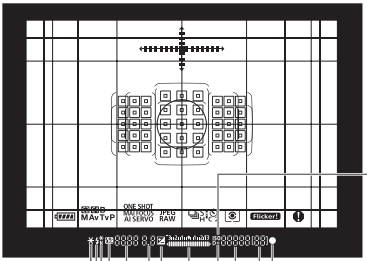
* Used for Wi-Fi connections via the NFC function.


<> Live View shooting/
<> Movie shooting switch
(p.157/171)
<START STOP> Start/Stop button
(p.158, 172)
Dioptric adjustment knob (p.48)
<> Focal plane mark
Access lamp (p.38)
Strap mount
(p.31)
<> Index/
Magnify/
Reduce button
(p.184)
Card slot
cover (p.37)
Accessory positioning hole
Battery
compartment
cover release
lever (p.36)
LCD monitor (p.39, 57,
158, 172)
Battery compartment
cover (p.36)
Serial number
Tripod socket
Multi function lock switch
(p.52)
<> Playback button (p.182)
<> Quick Control Dial (p.51)
<> <▲> <▼> <◄> <►>
Multi-controller (p.52)
Card slot (p.37)

Viewfinder Information Display



* The display will show only the settings currently applied.


ONE SHOT
AI SERVO
JPEG
RAW
M Av Tv P
Exposure level indicator
Exposure compensation amount (p.152)
AEB range (p.153)
<ISO> ISO speed (p.124)
<●> Focus indicator (p.76)
<✱> AE lock (p.154)
AEB in-progress (p.153)
Maximum burst for continuous shooting (p.123)
Number of remaining multiple exposures
<ϟ> Flash-ready (p.155)
Improper FE lock warning
ISO speed (p.124)
Consecutive self-timer shots (p.118)
<ϟ✱> FE lock (p.155)
FEB in-progress
<ϟH> High-speed sync
<D+> Highlight tone priority (p.135)
<ϟ> Flash exposure compensation (p.155)
<> Exposure compensation (p.152)
Shutter speed (p.147)
Bulb (buLb)
FE lock (FEL)
Busy (buSY)
Multi function lock warning (L)
No card warning (Card)
Card full warning (FuLL)
Card error warning (Card)
Error codes (Err)
AF point selection
([ ] AF, SEL [ ], SEL AF)
Aperture (p.148)

LCD Panel

Drive mode (p.116, 118)
- Single shooting
- H High-speed continuous shooting
- Low-speed continuous shooting
- S Silent single shooting
- S Silent continuous shooting
- Self-timer: 10 sec./remote control
- 2 Self-timer: 2 sec./remote control
- C Self-timer: Continuous

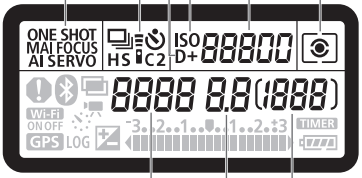
<D+> Highlight tone priority (p.135)

<ISO> ISO speed (p.124)

ISO speed (p.124)
Consecutive self-timer shots (p.118)

Metering mode
- Evaluative metering
- Partial metering
- Spot metering
- Center-weighted average metering

AF operation (p.106, 161)
ONE SHOT
One-Shot AF
AI FOCUS
AI Focus AF
AI SERVO
AI Servo AF
SERVO
Servo AF
M FOCUS
Manual focus (p.115)



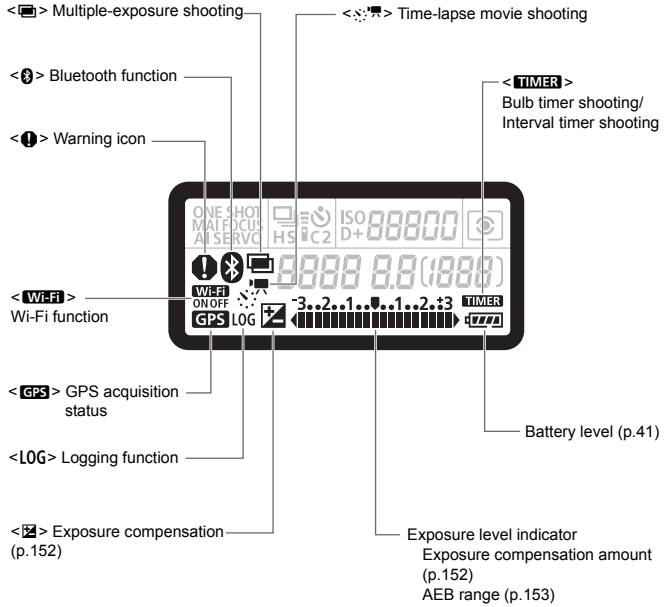
Possible shots
Self-timer countdown
Bulb exposure time
Error number
Remaining images to record

AF point selection
([ ] **AF, SEL [ ], SEL AF**)

Shutter speed
Bulb (**buLb**)
FE lock (**FEL**)
Remaining number of shots for time-lapse movie
Busy (**buSY**)
Multi function lock warning (**L**)
Cleaning image sensor (**CLn**)
No card warning (**Card**)
Card full warning (**FuLL**)
Card error warning (**Card**)
Error codes (**Err**)

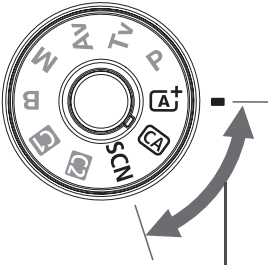
Aperture

* The display will show only the settings currently applied.


<> Multiple-exposure shooting
<> Time-lapse movie shooting
<> Bluetooth function
< TIMER >
Bulb timer shooting/
Interval timer shooting
<> Warning icon
ONE SHOT
MAI FOCUS
AI SERVO
HS
C2
ISO
D+
Wi-Fi
ON OFF
GPS
LOG
TIMER
< Wi-Fi >
Wi-Fi function
< GPS > GPS acquisition
status
Battery level (p.41)
<LOG> Logging function
<> Exposure compensation
(p.152)
Exposure level indicator
Exposure compensation amount
(p.152)
AEB range (p.153)

Mode Dial

You can set the shooting mode. Turn the Mode Dial while holding down the Mode Dial center (Mode Dial lock release button).



Basic Zone

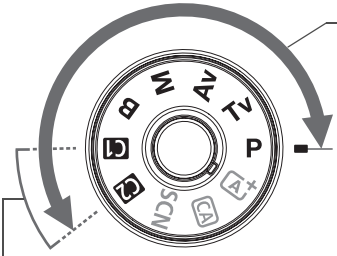
All you do is press the shutter button. The camera sets everything to suit the subject or scene for shooting.

A+ : **Scene Intelligent Auto** (p.76)

CA : **Creative Auto** (p.80)

SCN : **Special scene** (p.87)

	Portrait (p.89)		**Close-up** (p.96)
	Group Photo (p.90)		**Food** (p.97)
	Landscape (p.91)		**Candlelight** (p.98)
	Sports (p.92)		**Night Portrait** (p.99)
	Kids (p.93)		**Handheld Night Scene** (p.100)
	Panning (p.94)		**HDR Backlight Control** (p.101)



Creative Zone

These modes give you more control for shooting various subjects as desired.

P : **Program AE** (p.146)

Tv : **Shutter-priority AE** (p.147)

Av : **Aperture-priority AE** (p.148)

M : **Manual exposure** (p.150)

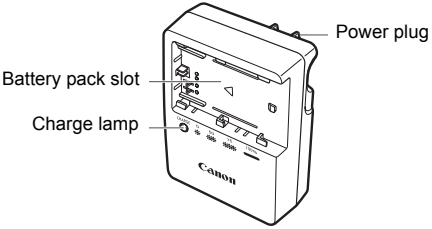
B : **Bulb**

Custom shooting mode

You can register the shooting mode (<**P**>, <**Tv**>, <**Av**>, <**M**>, or <**B**>), AF operation, menu settings, etc. to the <C1> and <C2> Mode Dial positions.

Battery Charger LC-E6

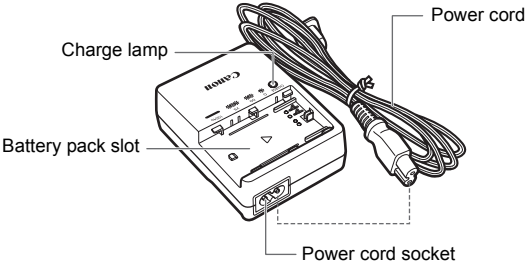
Charger for Battery Pack LP-E6N/LP-E6 (p.34).



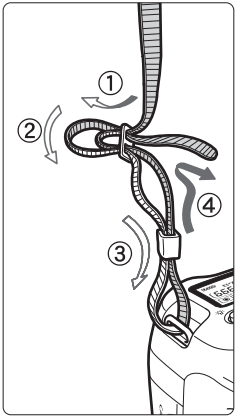
IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS. DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.
For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet, if needed.

Battery Charger LC-E6E

Charger for Battery Pack LP-E6N/LP-E6 (p.34).

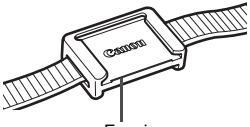


Attaching the Strap



Pass the end of the strap through the camera's strap mount eyelet from the bottom. Then pass it through the strap's buckle as shown in the illustration. Pull the strap to take up any slack and make sure the strap will not loosen from the buckle.

- The strap also has an attached eyepiece cover.



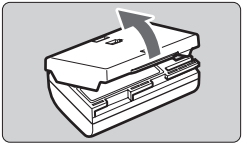
Eyepiece cover

1

Getting Started and Basic Camera Operations

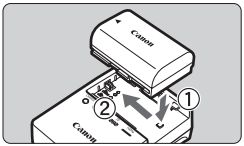
This chapter describes preparatory steps before you start shooting and the basic camera operations.

Charging the Battery



1 Remove the protective cover.

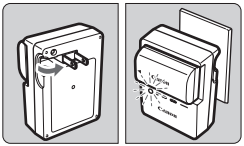
- Detach the protective cover provided with the battery.



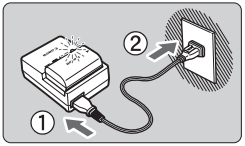
2 Attach the battery.

- As shown in the illustration, attach the battery securely to the charger.
- To detach the battery, follow the above procedure in reverse.

LC-E6



LC-E6E



3 Recharge the battery.

For LC-E6

- As shown by the arrow, flip out the battery charger's prongs and insert the prongs into a power outlet.

For LC-E6E

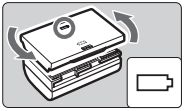
- Connect the power cord to the charger and insert the plug into a power outlet.
- ▶ Recharging starts automatically and the charge lamp blinks in orange.

Charge Level	Charge Lamp	
	Color	Display
0-49%	Orange	Blinks once per second
50-74%		Blinks twice per second
75% or higher		Blinks three times per second
Fully charged	Green	Turned on

- **It takes approx. 2 hr. and 30 min. to fully recharge a completely exhausted battery at room temperature (23°C / 73°F).** The time required to recharge the battery will vary greatly depending on the ambient temperature and the battery's remaining capacity.
- For safety reasons, recharging in low temperatures (5°C - 10°C / 41°F - 50°F) will take longer (up to approx. 4 hr.).

Tips for Using the Battery and Charger

- **Upon purchase, the battery is not fully charged.**
  Charge the battery before use.
- **Recharge the battery on the day before or on the day it is to be used.**
  Even during storage, a charged battery will gradually drain and lose its capacity.
- **After recharging the battery, detach it and disconnect the charger from the power outlet.**



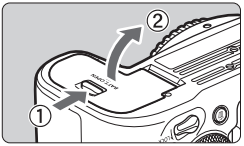
- **You can attach the cover in a different orientation to indicate whether the battery is recharged or not.**
  If the battery is recharged, attach the cover so that the battery-shaped hole <▭> is aligned over the blue sticker on the battery. If the battery is exhausted, attach the cover in the opposite orientation.
- **When not using the camera, remove the battery.**
  If the battery is left in the camera for a prolonged period, a small amount of power current will continue to be released, resulting in excess discharge and shorter battery life. Store the battery with the protective cover attached. Storing the battery when it is fully charged may lower the battery performance.
- **The battery charger can also be used in foreign countries.**
  The battery charger is compatible with a 100 V AC to 240 V AC 50/60 Hz power source. If necessary, attach a commercially-available plug adapter for the respective country or region. Do not attach any portable voltage transformer to the battery charger. Doing so may damage the battery charger.
- **If the battery becomes exhausted quickly even after having been fully charged, the battery has reached the end of its service life.**
  Check the battery's recharge performance and purchase a new battery.

- After disconnecting the charger's power plug, do not touch the prongs for approx. 10 sec.
- If the battery's remaining capacity is 94% or higher, the battery will not be recharged.
- The provided charger cannot charge any battery other than Battery Pack LP-E6N/LP-E6.

Installing and Removing the Battery

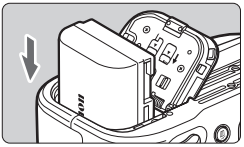
Load a fully-charged Battery Pack LP-E6N (or LP-E6) into the camera. **The camera's viewfinder becomes bright when a battery is installed, and darkens when the battery is removed. If the battery is not installed, the image in the viewfinder becomes blurred and you cannot perform focusing.**

Installing the Battery



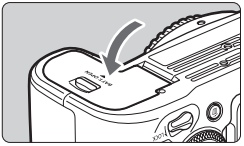
1 Open the cover.

- Slide the lever as shown by the arrows and open the cover.



2 Insert the battery.

- Insert the end with the electrical contacts.
- Insert the battery until it locks in place.

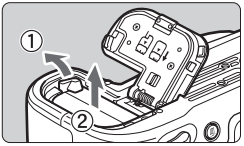


3 Close the cover.

- Press the cover until it snaps shut.

You cannot use batteries other than the Battery Pack LP-E6N or LP-E6.

Removing the Battery



Open the cover and remove the battery.

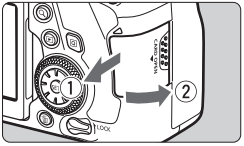
- Press the battery lock lever as shown by the arrow and remove the battery.
- To prevent short circuiting, be sure to attach the provided protective cover (p.34) to the battery.

Installing and Removing the Card

You can use an SD, SDHC, or SDXC memory card (sold separately) with the camera. The captured images are recorded onto the card.

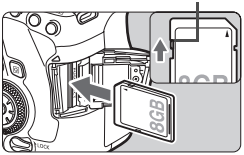
Make sure the card's write-protect switch is set upward to enable writing and erasing.

Installing the Card



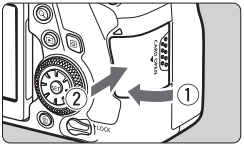
1 Open the cover.

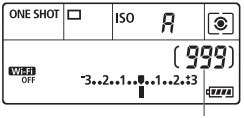
- Slide the cover as shown by the arrows to open it.



2 Insert the card.

- **As shown by the illustration, face the card's label side toward you and insert it until it clicks in place.**

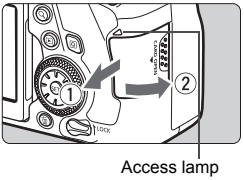




3 Close the cover.

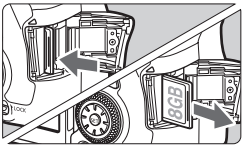
- Close the cover and slide it in the direction shown by the arrows until it snaps shut.
- When you set the power switch to <ON>, the number of possible shots will be displayed on the LCD panel.

Removing the Card



1 Open the cover.

- Set the power switch to <OFF>.
- **Check that the access lamp is off, then open the cover.**
- If [**Recording...**] is displayed on the LCD monitor, close the cover.



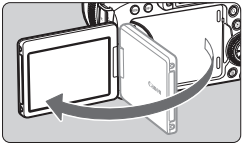
2 Remove the card.

- Gently push in the card, then let it go to eject.
- Pull the card straight out, then close the cover.

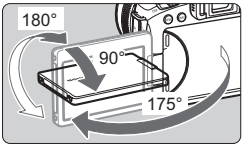
- **When the access lamp is lit or blinking, it indicates that images are being written to, read from, or erased from the card, or data is being transferred. Do not open the card slot cover during this time. Also, never do any of the following while the access lamp is lit or blinking. Otherwise, it can damage the image data, card, or camera.**
  - **Removing the card.**
  - **Removing the battery.**
  - **Shaking or banging the camera around.**
  - **Unplugging and connecting a power cord** (when household power outlet accessories (sold separately) are used).

Using the LCD Monitor

After you flip out the LCD monitor, you can set menu functions, use Live View shooting, shoot movies, or play back photos and movies. You can change the direction and angle of the LCD monitor.

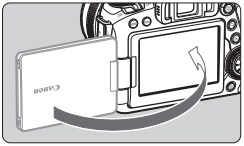


1 Flip out the LCD monitor.



2 Rotate the LCD monitor.

- When the LCD monitor is swung out, you can rotate it up, down, or over 180° to face the subject.
- The indicated angle is only approximate.

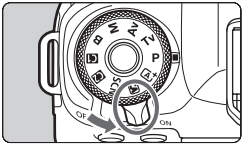


3 Face it toward you.

- Normally, use the camera with the LCD monitor facing you.

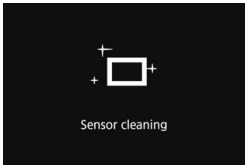
Turning on the Power

If you turn on the power switch and the date/time/zone setting screen appears, see page 42 to set the date/time/zone.



<ON> : The camera turns on.
<OFF> : The camera is turned off and does not function. Set the power switch to this position when not using the camera.

Automatic Sensor Cleaning



- Whenever you set the power switch to <ON> or <OFF>, sensor cleaning will be performed automatically. (A small sound may be heard.) During the sensor cleaning, the LCD monitor will display < >.

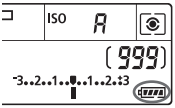
- Even during the sensor cleaning, if you press the shutter button halfway (p.49), cleaning operation will be stopped, and you can take a picture immediately.
- If you repeatedly turn the power switch <ON>/<OFF> at a short interval, the < > icon may not be displayed. This is normal and not a malfunction.

MENU Auto Power Off

- To save battery power, the camera turns off automatically after approx. 1 minute of non-operation. To turn on the camera again, just press the shutter button halfway (p.49).
- You can change the auto power off time with [**2: Auto power off**] (p.64).

Battery Level Indicator

When the power switch is set to <ON>, the battery level will be indicated in one of six levels. A blinking battery icon < > indicates that the battery will soon be exhausted.



Display			
Level (%)	100 - 70	69 - 50	49 - 20

Display			
Level (%)	19 - 10	9 - 1	0

Number of Possible Shots with Viewfinder Shooting

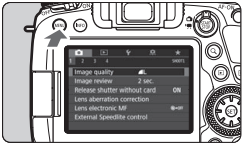
(Approx. number of shots)

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible shots	1200	1100

- The figures above are based on a fully-charged Battery Pack LP-E6N, no Live View shooting, and CIPA (Camera & Imaging Products Association) testing standards.
- With Battery Grip BG-E21 (sold separately) loaded with two LP-E6N battery packs, the number of possible shots will be approximately doubled.

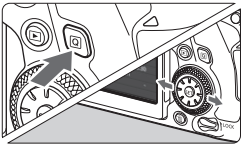
MENU Setting the Date, Time, and Zone

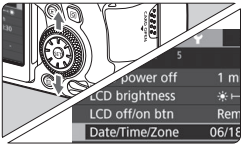
When you turn on the power for the first time or if the date/time/zone have been reset, the date/time/zone setting screen will appear. Follow the steps below to set the time zone first.
Set the camera to the time zone in which you currently live so that when you travel, you can simply change the setting to the correct time zone for your destination, and the camera will automatically adjust the date/time.
Note that the date/time appended to recorded images will be based on this date/time setting. Be sure to set the correct date/time.



1 Display the menu screen.

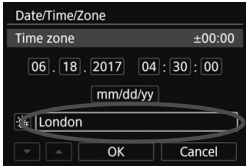
- Press the <MENU> button to display the menu screen.





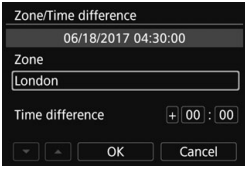
2 Under the [2] tab, select [Date/Time/Zone].

- Press the <Q> button and select the [] tab.
- Press the <◄> <►> keys to select the [2] tab.
- Press the <▲> <▼> keys to select [**Date/Time/Zone**], then press <SET>.

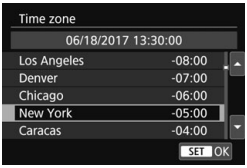


3 Set the time zone.

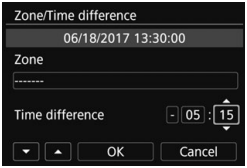
- **[London] is set by default.**
- Press the <◄> <►> keys to select [**Time zone**], then press <SET>.



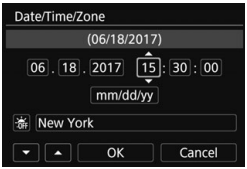
- Press the <◄> <►> keys to select [**Zone**], then press <SET>.



- Press the <▲> <▼> keys to select the time zone, then press <SET>.
- If your desired time zone is not listed, press the <MENU> button, then proceed to the next step to set it (with the time difference from the Coordinated Universal Time, UTC).

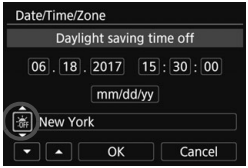


- To set the time difference from UTC, press the <◄> <►> keys to select a parameter (+/-/hour/minute) for [**Time difference**].
- Press <SET> so <⇕> is displayed.
- Press the <▲> <▼> keys to set it, then press <SET>. (Returns to <□>.)
- After entering the time zone or time difference, press the <◄> <►> keys to select [**OK**], then press <SET>.



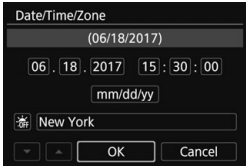
4 Set the date and time.

- Press the <◄> <►> keys to select the number.
- Press <SET> so <⇕> is displayed.
- Press the <▲> <▼> keys to set it, then press <SET>. (Returns to <□>.)



5 Set the daylight saving time.

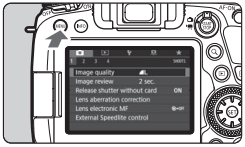
- Set it as necessary.
- Press the <◄> <►> keys to select [☀OFF].
- Press <SET> so <⌂> is displayed.
- Press the <▲> <▼> keys to select [☀], then press <SET>.
- When the daylight saving time is set to [☀], the time set in step 4 will advance by 1 hr. If [☀OFF] is set, the daylight saving time will be canceled and the time will go back by 1 hour.



6 Exit the setting.

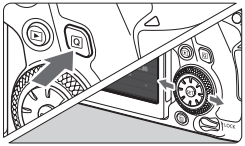
- Press the <◄> <►> keys to select [**OK**], then press <SET>.
- ▶ The date, time, time zone, and daylight saving time will be set.

MENU Selecting the Interface Language



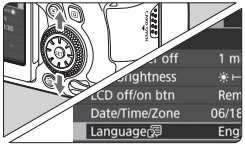
1 Display the menu screen.

- Press the <MENU> button to display the menu screen.



2 Under the [2] tab, select [Language].

- Press the <Q> button and select the [] tab.
- Press the <◄> <►> keys to select the [2] tab.
- Press the <▲> <▼> keys to select [**Language**], then press <SET>.



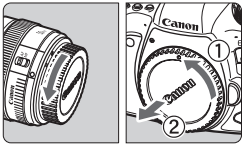
3 Set the desired language.

- Press the <▲> <▼> keys to select the language, then press <SET>.
- ▶ The interface language will change.

Attaching and Detaching a Lens

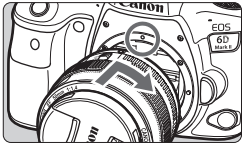
The camera is compatible with all Canon EF lenses. **The camera cannot be used with EF-S or EF-M lenses.**

Attaching a Lens



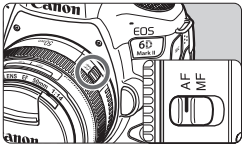
1 Remove the caps.

- Remove the rear lens cap and the body cap by turning them as shown by the arrows.



2 Attach the lens.

- Align the red mount index on the lens with the red mount index on the camera and turn the lens as shown by the arrow until it clicks in place.

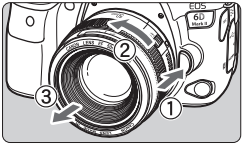


3 Set the lens's focus mode switch to <AF>.

- <**AF**> stands for autofocus.
- <**MF**> stands for manual focus. Autofocus will not operate.

4 Remove the front lens cap.

Detaching the Lens



While pressing the lens release button, turn the lens as shown by the arrow.

- Turn the lens until it stops, then detach it.
- Attach the rear lens cap to the detached lens.

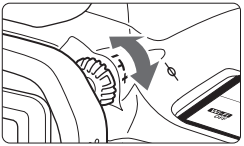
Do not look at the sun directly through any lens. Doing so may cause loss of vision.

Tips for Avoiding Smudges and Dust

- When changing lenses, do it quickly in a place with minimal dust.
- When storing the camera without a lens attached, be sure to attach the body cap to the camera.
- Remove dust on the body cap before attaching it.

Basic Shooting Operations

Adjusting the Viewfinder Clarity

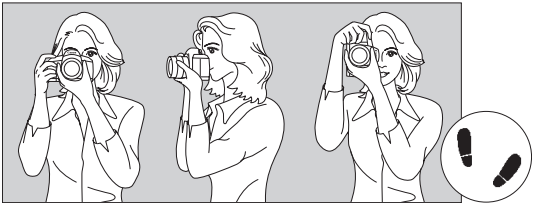


Turn the dioptric adjustment knob.

- Turn the knob left or right so that the AF points in the viewfinder look sharp.
- If the knob is difficult to turn, remove the eyecup.

Holding the Camera

To obtain sharp images, hold the camera still to minimize camera shake.

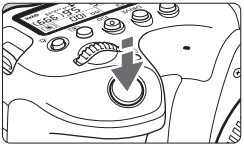


Horizontal shooting Vertical shooting

1. Wrap your right hand around the camera grip firmly.
2. Hold the lens bottom with your left hand.
3. Rest your right index finger lightly on the shutter button.
4. Press your arms and elbows lightly against the front of your body.
5. To maintain a stable stance, place one foot slightly ahead of the other.
6. Press the camera against your face and look through the viewfinder.

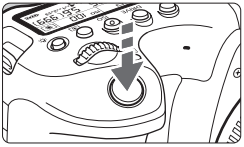
Shutter Button

The shutter button has two steps. You can press the shutter button halfway. Then you can further press the shutter button completely.



Pressing Halfway

This activates autofocusing and the automatic exposure system that sets the shutter speed and aperture.
The exposure setting (shutter speed and aperture) is displayed in the viewfinder and on the LCD panel for approx. 4 sec. (metering timer/ ⏱4).

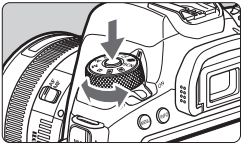


Pressing Completely

This releases the shutter and takes the picture.

- **Preventing Camera Shake**
  Hand-held camera movement during the moment of exposure is called camera shake. It can cause blurred pictures. To prevent camera shake, note the following:
  - Hold and steady the camera as shown on the preceding page.
  - Press the shutter button halfway to autofocus, then slowly press the shutter button completely.

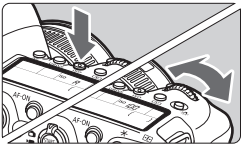
Mode Dial



Turn the dial while holding down the lock release button at the center of the dial.

Use it to set the shooting mode.

Main Dial

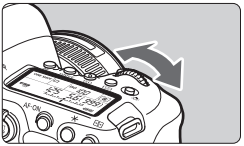


(1) After pressing a button, turn the <⊙> dial.

When you press a button such as <AF>, <DRIVE>, <ISO>, or <⊛>, the respective function remains selectable for approx. 6 sec. (⏱6). During this time, you can turn the <⊙> dial to change the setting.

When the timer ends or if you press the shutter button halfway, the camera will go back to shooting-ready state.

- Use this dial to select the AF operation, drive mode, ISO speed, metering mode, AF point, etc.

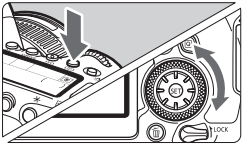


(2) Turn only the <⊙> dial.

While looking at the viewfinder display or LCD panel, turn the <⊙> dial.

- Use this dial to set the shutter speed, aperture, etc.

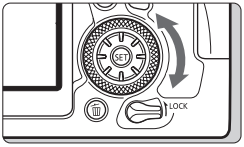
Quick Control Dial



(1) After pressing a button, turn the <◎> dial.

When you press a button such as <AF>, <ISO>, or <⊛>, the respective function remains selectable for approx. 6 sec. (⏱6). During this time, you can turn the <◎> dial to change the setting.
When the timer ends or if you press the shutter button halfway, the camera will go back to shooting-ready state.

- Use this dial to select the AF operation, ISO speed, metering mode, AF point, etc.



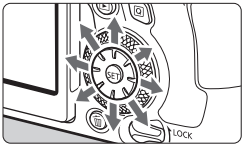
(2) Turn only the <◎> dial.

While looking at the viewfinder or LCD panel, turn the <◎> dial.

- Use this dial to set the exposure compensation amount, the aperture setting for manual exposures, etc.

Multi-controller

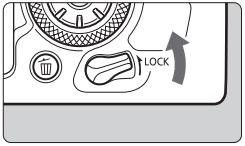
The <> consists of an eight-direction key.



- Use it to select the AF point, correct the white balance, move the AF point or magnifying frame during Live View shooting or movie shooting, set the Quick Control, etc.
- You can also use it to select menu items.

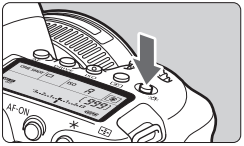
LOCK Multi Function Lock

With [**4: Multi function lock**] set and the <LOCK> switch set upward, you can prevent the settings from being changed by accidentally operating Main Dial, Quick Control Dial, or Multi-controller or by inadvertently tapping on the touch screen.
For [**4: Multi function lock**] details, see page 70.



<LOCK> switch set upward: Lock engaged
<LOCK> switch set downward: Lock released

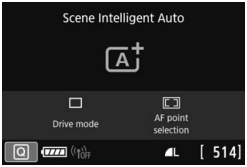
LCD Panel Illumination



You can illuminate the LCD panel by pressing the <☼> button. Turn on (⏱6) or off the LCD panel illumination by pressing the <☼> button.

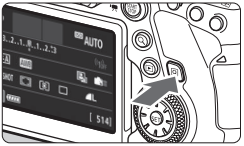
Displaying the Quick Control Screen

After you press the <INFO> button a number of times (p.69), the Quick Control screen will appear. You can then check the current shooting function settings.
Pressing the <Q> button enables Quick Control of the shooting function settings (p.54).
Then you can press the <INFO> button to turn off the screen (p.69).



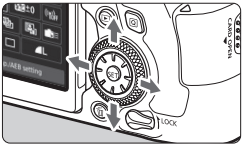
Q Quick Control for Shooting Functions

You can directly select and set the shooting functions displayed on the LCD monitor with intuitive operations. This is called Quick Control.



1 Press the <Q> button (⏱10).

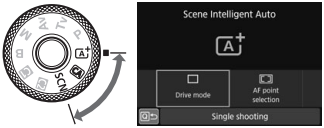
▶ The Quick Control screen will appear.



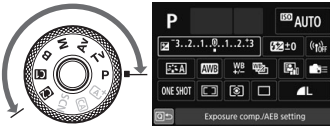
2 Set the desired functions.

- Press the <▲> <▼> <◀> <▶> keys to select a function.
- ▶ The settings of the selected function and Feature guide (p.72) will appear.
- Turn the <◎> or <◎> dial to change the setting.

- **Basic Zone modes**



- **Creative Zone modes**

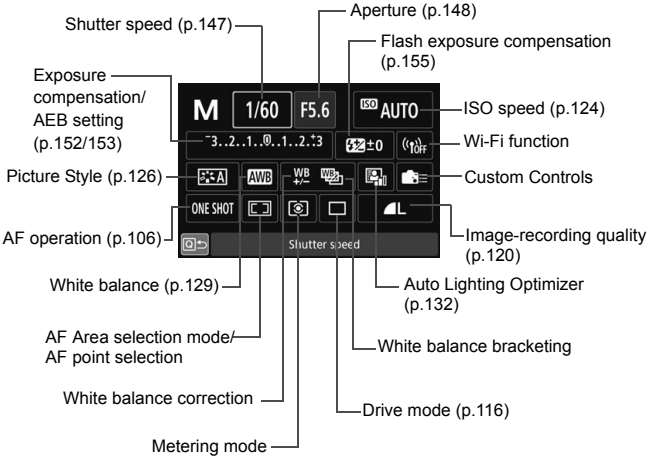


3 Take the picture.

- Press the shutter button completely to take the picture.
- ▶ The captured image will be displayed.

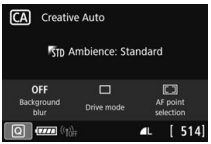
Functions Settable with the Quick Control

Creative Zone modes



Basic Zone modes (Sample screen)

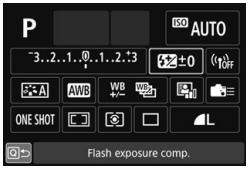
<CA> mode

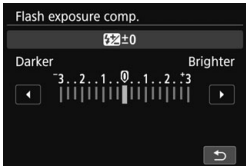


<> mode

<> mode

Quick Control

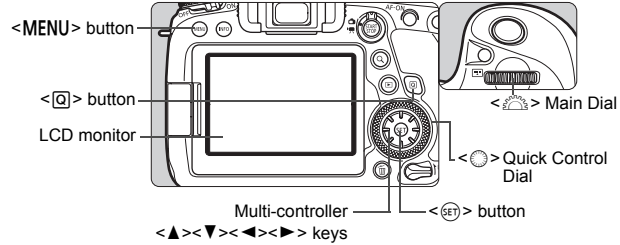




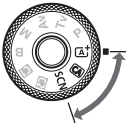
- Select the desired function and press <SET>. The function setting screen will appear.
- Turn the <⚙> or <◎> dial, then press the <◄> <►> keys to change the setting. There are also functions that are set by pressing a button following these operations.
- Press <SET> to finalize the setting and return to the previous screen.
- When you select <📷>, <[ ]> (p.109), or <((•))>, and press the <MENU> button to exit the setting.

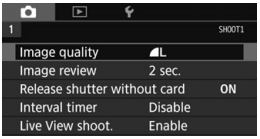
MENU Menu Operations and Configurations

You can configure various settings with the menus such as the image-recording quality, date/time, etc.



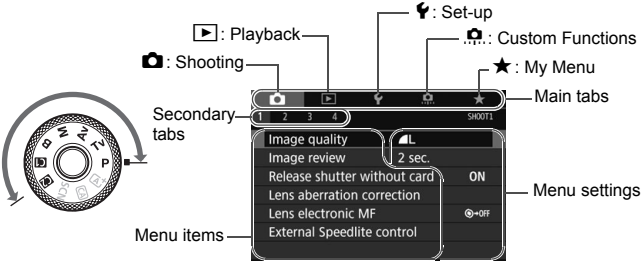
Basic Zone Modes Menu Screen



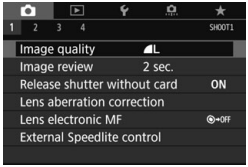


*** In Basic Zone modes, some tabs and menu items do not appear.**

Creative Zone Modes Menu Screen



Menu Setting Procedure

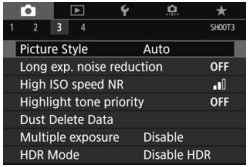


1 Display the menu screen.

- Press the <MENU> button to display the menu screen.

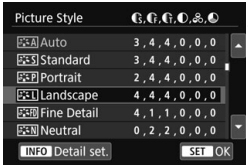
2 Select a tab.

- Each time you press the <Q> button, the main tab (group of functions) will switch.
- Press the Multi-controller's <◄> <►> keys to select a secondary tab.
- For example, the [3] tab in this manual refers to the screen displayed when the (Shooting) tab's third box [3] from the left is selected.



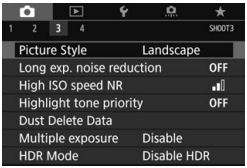
3 Select the desired item.

- Press the Multi-controller's <▲> <▼> keys to select the item, then press <SET>.



4 Select the setting.

- Press the <▲> <▼> or <◄> <►> keys to select the desired setting.
- The current setting is indicated in blue.



5 Set the setting.

- Press <SET> to set it.

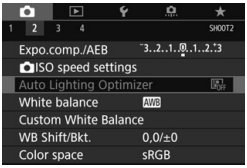
6 Exit the setting.

- Press the <MENU> button to exit the menu and return to shooting-ready state.

- The description of menu functions hereafter assumes that you have pressed the <MENU> button to display the menu screen.
- You can also tap on the menu screen or turn the <⌂> or <◎> dial to operate the menu.
- To cancel the operation, press the <MENU> button.

Dimmed Menu Items

Example: Highlight tone priority



Dimmed menu items cannot be set. The menu item is dimmed if another function setting is overriding it.

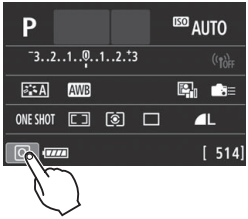
You can see the overriding function by selecting the dimmed menu item and pressing <SET>.
If you cancel the overriding function's setting, the dimmed menu item will become settable.

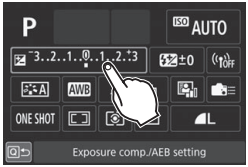
Operating the Camera with Touch Screen

You can operate the camera by tapping on the LCD monitor (touch-sensitive panel) with your fingers.

Tap

Sample Screen (Quick Control)





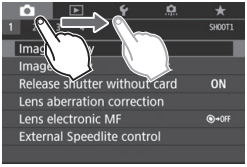
- Use your finger to tap on (touch briefly and then remove your finger from) the LCD monitor.
- By tapping, you can select menus, icons, etc. displayed on the LCD monitor.
- For example, when you tap on [Q], the Quick Control screen appears. By tapping on [Q↩], you can return to the preceding screen.

Examples of operations possible by tapping on the screen

- Setting menu functions after pressing the <MENU> button
- Quick Control
- Setting the function after pressing the <AF>, <DRIVE>, <ISO>, <⊙>, or <⊞> button
- Touch AF in Live View shooting and movie shooting
- Touch Shutter in Live View shooting
- Setting functions in Live View shooting and movie shooting
- Playback operations

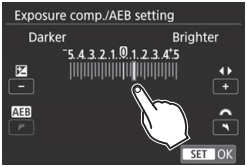
Drag

Sample Screen (Menu screen)



- Slide your finger while touching the LCD monitor.

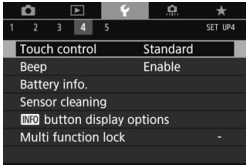
Sample Screen (Scale display)



Examples of operations possible by dragging your finger on the screen

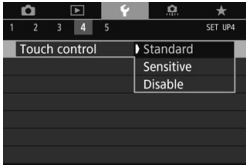
- Selecting a menu tab or item after pressing the <MENU> button
- Setting with scale display
- Quick Control
- Selecting AF points (except with Live View shooting)
- Setting shooting functions for Live View shooting and movie shooting
- Playback operations

MENU Setting the Touch Control Response



1 Select [Touch control].

- Under the [4] tab, select [**Touch control**], then press <SET>.



2 Set the touch control response setting.

- Select the desired setting, then press <SET>.
- [**Standard**] is the normal setting.
- [**Sensitive**] provides a more reactive touch screen response than [**Standard**]. Try using both settings and select the one you prefer.
- To disable touch operations, select [**Disable**].

Cautions for Touch Control Operations

- Since the LCD monitor is not pressure sensitive, do not use any sharp objects, such as your fingernail or a ballpoint pen, for touch operations.
- Do not use wet fingers for touch operations.
- If the LCD monitor has any moisture or if your fingers are wet, the touch screen may not respond or malfunction may occur. In such a case, turn off the power and wipe off the moisture with a cloth.
- Attaching any commercially-available protective sheet or sticker on the LCD monitor may degrade the touch operation response.
- If you quickly perform touch operation when [**Sensitive**] is set, the touch operation response may be poor.

MENU Formatting the Card

If the card is new or was previously formatted by another camera or computer, format the card with this camera.

When the card is formatted, all images and data on the card will be erased. Even protected images will be erased, so make sure there is nothing you need to keep. If necessary, transfer the images and data to a computer, etc. before formatting the card.

1 Select [Format card].

- Under the [1] tab, select [**Format card**], then press <SET>.

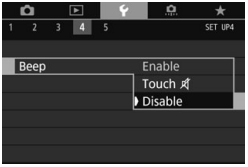
2 Format the card.

- Select [**OK**], then press <SET>.
- ▶ The card will be formatted.

- For low-level formatting, press the <🗑> button to add a checkmark <✓> to [**Low level format**], then select [**OK**].

MENU Disabling the Beeper

You can prevent the beeper from sounding when focus is achieved, during self-timer shooting, and during touch operations.



1 Select [Beep].

- Under the [**4**] tab, select [**Beep**], then press <SET>.

2 Select [Disable].

- Select [**Disable**], then press <SET>.
- ▶ The beeper will not sound.
- If [**Touch**] is selected, the beeper will be silent only for touch operations.

MENU Setting the Power-off Time/Auto Power Off

To save battery power, the camera turns off automatically after a set time of idle operation elapses. The default setting is 1 min., but this setting can be changed. If you do not want the camera to turn off automatically, set this to [**Disable**].
After the power turns off, you can turn on the camera again by pressing the shutter button or other buttons.

1 Select [Auto power off].

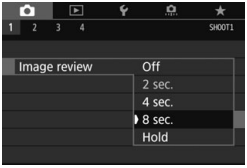
- Under the [**2**] tab, select [**Auto power off**], then press <SET>.

2 Set the desired time.

- Select the desired setting, then press <SET>.

MENU Setting the Image Review Time

You can set how long the image is displayed on the LCD monitor immediately after shooting. To keep the captured image displayed, set [**Hold**]. To not have the captured image displayed, set [**Off**].



1 Select [Image review].

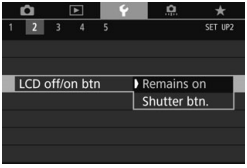
- Under the [**1**] tab, select [**Image review**], then press <SET>.

2 Set the desired time.

- Select the desired setting, then press <SET>.

MENU Turning the LCD Monitor Off/On

The Quick Control screen (p.54) or electronic level (p.67) can be set to be displayed or not when you press the shutter button halfway during viewfinder shooting.



1 Select [LCD off/on btn].

- Under the [**2**] tab, select [**LCD off/on btn**], then press <SET>.

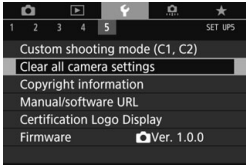
2 Set the desired setting.

- Select the desired setting, then press <SET>.

- [**Remains on**]: The LCD monitor display does not turn off even when you press the shutter button halfway. To turn off the LCD monitor, press the <INFO> button.
- [**Shutter btn.**]: When you press the shutter button halfway, the LCD monitor display turns off. When you let go of the shutter button, the display turns on.

MENU Reverting the Camera to the Default Settings ☆

The camera's shooting function settings and menu settings can be reverted to their defaults.



1 Select [Clear all camera settings].

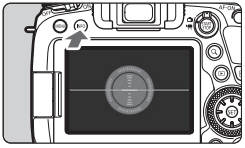
- Under the [5] tab, select [**Clear all camera settings**], then press <SET>.

2 Select [OK].

MENU Displaying the Electronic Level

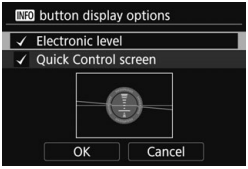
You can display the electronic level on the LCD monitor and in the viewfinder to help you correct the camera tilt.

Displaying the Electronic Level on the LCD Monitor



1 Press the <INFO> button.

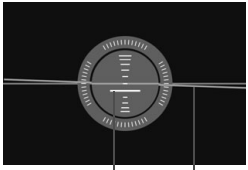
- Each time you press the <INFO> button, the screen display will change.
- Display the electronic level.

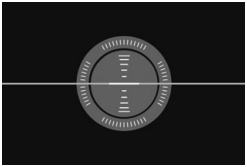


- If the electronic level does not appear, set [**4: INFO button display options**] so that the electronic level can be displayed (p.69).

2 Check the camera's tilt.

- The horizontal and vertical tilts are displayed in 1° increments.
- When the red line turns green, it indicates that the tilt is almost corrected.





MENU Displaying the Electronic Level in the Viewfinder

An electronic level can be displayed on the upper part of the viewfinder. Since this indicator is displayed during shooting, you can take the picture while checking the camera tilt.

1 Select [Viewfinder display].

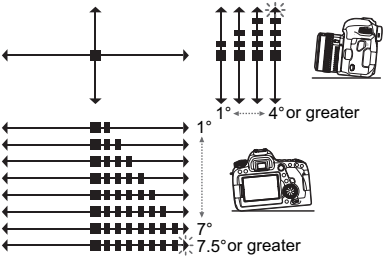
- Under the [2] tab, select [**Viewfinder display**], then press <SET>.

2 Select [Electronic level].

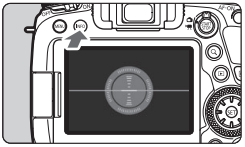
3 Select [Show].

4 Press the shutter button halfway.

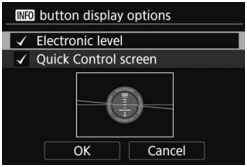
- ▶ The electronic level will be displayed on the upper part of the viewfinder.
- This level also works with vertical shooting.



INFO Button Functions

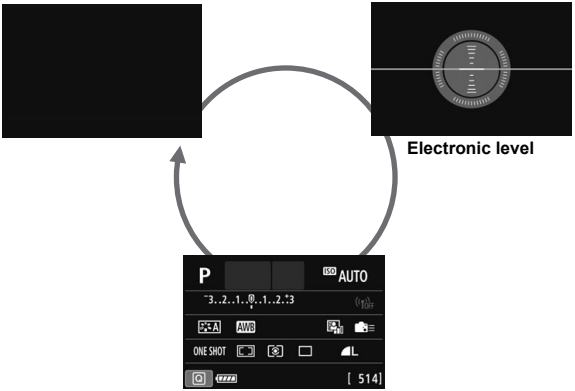


During viewfinder shooting, when you press the <INFO> button with the camera being ready to shoot, you can toggle the display between the electronic level (p.67) and Quick Control screen.



[**INFO button display options**] under the [**4**] tab enables you to select the options displayed when the <INFO> button is pressed.

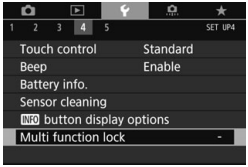
- Select the desired display option, then press <SET> to add a checkmark [✓].
- Then select [**OK**] to register the setting.



Quick Control screen

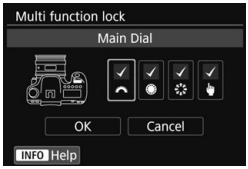
LOCK Setting the Multi Function Lock

By setting the <LOCK> switch upward, you can prevent the settings from being changed by accidentally operating the Main Dial, Quick Control Dial, or Multi-controller or by inadvertently tapping on the touch screen.
For details on the Multi function lock switch, see page 52.



1 Select [Multi function lock].

- Under the [4] tab, select [**Multi function lock**], then press <SET>.

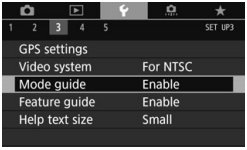


2 Add a checkmark [✓] to the camera control to be locked.

- Select a camera control and press <SET> to add a checkmark [✓].
- Select [**OK**].
- ▶ When the <LOCK> switch is set upward, the checkmarked [✓] camera controls will be locked.

Setting the Shooting Mode Guide

When you turn the Mode Dial to select a shooting mode, a brief description (shooting mode guide) of the shooting mode can be displayed on the screen. During viewfinder shooting, the mode guide appears when the Quick Control screen or electronic level is displayed. By default, it is set to [**Enable**].

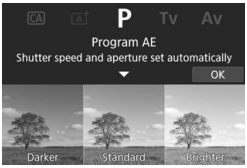


1 Select [Mode guide].

- Under the [**3**] tab, select [**Mode guide**], then press <SET>.

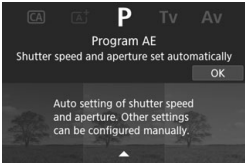
2 Select [Enable].

- If you do not want the Mode guide to appear, select [**Disable**].



3 Turn the Mode Dial.

▶ A brief description of the selected shooting mode will appear.



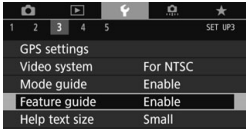
4 Press the <▼> key.

▶ A more detailed description will appear.

- To turn off the mode guide, press <SET> or press the shutter button halfway.

Setting the Feature Guide

When using Quick Control, a brief description (feature guide) of the selected function can be displayed. The Feature guide can be displayed during viewfinder shooting, Live View shooting, and movie shooting. By default, it is set to [**Enable**].



1 Select [Feature guide].

- Under the [3] tab, select [**Feature guide**], then press <SET>.

2 Select [Enable].

- If you do not want the Feature guide to appear, select [**Disable**].

3 With the camera ready to shoot, press the <Q> button.

- Exit the menu and press the <Q> button in the shooting-ready state.
- ▶ When you press <⊹> to select an item, the Feature guide will appear after a moment.

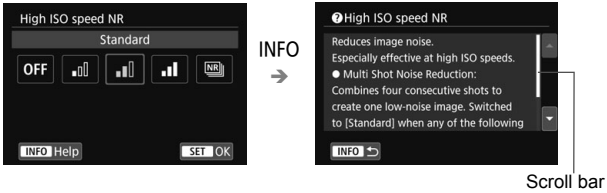
Viewfinder shooting

Live View/Movie shooting

Help

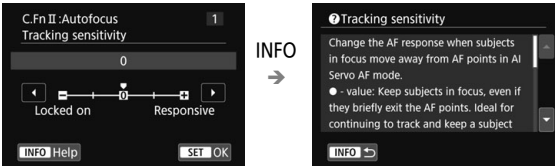
When [INFO Help] is displayed at the bottom of the menu screen, the feature's description (Help) can be displayed. Press the <INFO> button to display the Help. Press it again to turn off the Help display. If the Help fills more than one screen, a scroll bar will appear on the right edge. In such a case, press <▲> <▼> keys or turn the <◎> dial to scroll.

- **Example: [3: High ISO speed NR]**



- **Example: [4: Multi function lock]**

- **Example: [C.Fn II-1: Tracking sensitivity]**

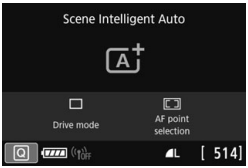


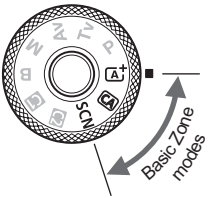
2

Basic Shooting

This chapter describes how to use the Basic Zone modes on the Mode Dial for best results.

With Basic Zone modes, all you do is point and shoot, and the camera sets everything automatically (p.103). Also, because advanced shooting function settings cannot be changed, you can enjoy shooting photographs without worrying about botched pictures due to misoperation.





Before Shooting in the <SCN> Mode

When you use the <SCN> mode for shooting with the LCD monitor turned off, press the <Q> button or <INFO> button to check which shooting mode is set, then start shooting.

Fully Automatic Shooting (Scene Intelligent Auto)

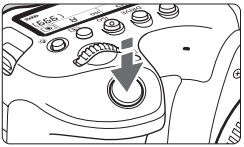
<A+> is a fully automatic mode. The camera analyzes the scene and sets the optimum settings automatically. It can also adjust focus automatically on either the still or moving subject by detecting the motion of the subject (p.79).

1 Set the Mode Dial to <A+>.

- Turn the Mode Dial while holding down the lock release button at the center.
- When the shooting mode description appears on the LCD monitor, press <SET> to hide it (p.71).

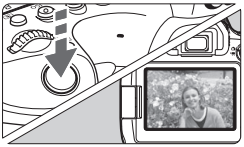
2 Aim the Area AF frame over the subject.

- All the AF points will be used to focus, and the camera will basically focus on the closest object.
- Aiming the center of the Area AF frame over the subject will make focusing easier.



3 Focus on the subject.

- Press the shutter button halfway. The lens elements will shift to focus.
- ▶ When achieving focus, the AF point that has achieved focus will be displayed. At the same time, the beeper will sound and the focus indicator <●> in the viewfinder will light up.
- ▶ In low light, the AF point(s) will light up briefly in red.



4 Take the picture.

- Press the shutter button completely to take the picture.
- ▶ The captured image will be displayed for approx. 2 sec. on the LCD monitor.

The <A+> mode makes the colors look more impressive in nature, outdoor, and sunset scenes. If you do not obtain the desired color tones, change the mode to a Creative Zone mode (p.29) and select a Picture Style other than <▦A>, then shoot again (p.126).

FAQ

- **The focus indicator <●> blinks and focus is not achieved.**
  Aim the Area AF frame over an area with good contrast, then press the shutter button halfway (p.49). If you are too close to the subject, move away and shoot again.
- **Even when focus is achieved, the AF points do not light up in red.**
  The AF points light up in red only when focus is achieved in low light or with a dark subject.
- **Multiple AF points light up simultaneously.**
  Focus has been achieved at all those points. You can take the picture as long as an AF point covering the target subject is lighting up.

- **The beeper continues to beep softly. (The focus indicator <●> does not light up.)**
  It indicates that the camera is focusing continuously on a moving subject. (The focus indicator <●> does not light up.) You can take sharp pictures of a moving subject.
  Note that focus lock (p.79) will not work in this case.
- **Pressing the shutter button halfway does not focus the subject.**
  If the focus mode switch on the lens is set to <**MF**> (manual focus), set it to <**AF**> (autofocus).
- **The shutter speed display is blinking.**
  Since it is too dark, taking the picture may result in a blurred subject due to camera shake. Using a tripod or a Canon EX-series Speedlite (sold separately, p.155) is recommended.
- **When the external flash was used, the bottom part of the picture came out unnaturally dark.**
  If a hood is attached to the lens, it may obstruct the flash light. If the subject is close, detach the hood before taking the picture with flash.

Minimizing Blurred Photos

- Silent single shooting (p.117), Single shooting in Live View shooting, etc. are effective. Mirror lockup is also effective when the shooting mode is set to one of the Creative Zone modes.
- For continuous shooting, using Silent continuous shooting (p.117) or Live View continuous shooting is effective.
- Use a sturdy tripod that can bear the weight of the shooting equipment. Mount the camera securely on the tripod.
- Using a remote switch or a remote controller is recommended.

Recomposing the Shot

Depending on the scene, positioning the subject toward the left or right to include a balanced background will result in a picture with better perspective. In the <A+> mode, pressing the shutter button halfway to focus on a still subject will lock the focus on that subject. Recompose the shot while keeping the shutter button pressed halfway, and then press the shutter button completely to take the picture. This is called “focus lock”. Focus lock is also possible in other Basic Zone modes (except in these <SCN> modes: < > < > < >).

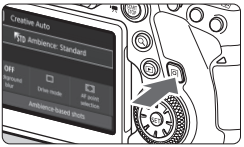
Shooting a Moving Subject

In the <A+> mode, if the subject moves (distance to camera changes) during or after focusing, AI Servo AF will take effect to focus on the subject continuously. (The beeper will continue beeping softly.) As long as you keep the Area AF frame positioned over the subject while pressing the shutter button halfway, focusing will be continuous. At the decisive moment, press the shutter button completely to take the picture.

CA Creative Auto Shooting

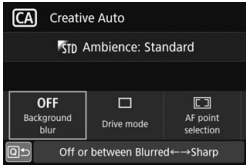
<CA> is a fully-automatic shooting mode that is a step more advanced from <A+>. You can first adjust the photo's ambience, background blur, etc. before shooting.
By pressing the <Q> button, you can set 1. Ambience-based shots, 2. Background blur setting, 3. Drive mode, and 4. AF point selection with Quick Control.
* <CA> stands for Creative Auto.

1 Set the Mode Dial to <CA>.



2 Press the <Q> button (⏱10).

▶ The Quick Control screen (p.102) will appear.

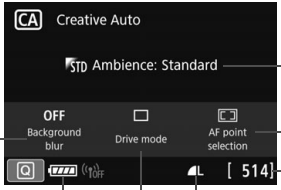


3 Set the desired functions.

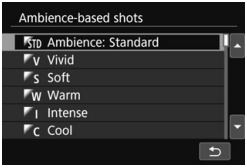
- Press the <▲> <▼> or <◀> <▶> keys to select a function.
- ▶ The settings of the selected function and Feature guide (p.72) will appear.
- For the setting procedure and details on each function, see pages 81-84.

4 Take the picture.

- Press the shutter button completely to take the picture.
- When you use the Live View function to see the resulting effects on the LCD monitor while shooting, see page 85.



(1) Ambience-based shots



You can select and shoot with the ambience you want to convey in your images. Turn the <⚙> or <◎> dial to select the ambience.
With the (1) item selected, press <SET> to display the screen shown on the left. You can then select the ambience from the displayed list. Press the <▲> <▼> keys to select the desired ambience.

Note that you can preview the resulting effect of "Ambience-based shots" before shooting by pressing the <START/STOP> button and switching to Live View shooting (p.85).

Ambience	Ambience Effect
STD Ambience: Standard	No setting
V Vivid	Low / Standard / Strong
S Soft	Low / Standard / Strong
W Warm	Low / Standard / Strong
I Intense	Low / Standard / Strong
C Cool	Low / Standard / Strong
B Brighter	Low / Medium / High
D Darker	Low / Medium / High
M Monochrome	Blue / B/W / Sepia

Ambience Settings

STD Ambience: Standard
This provides standard image characteristics.

V Vivid
The subject looks crisp, sharp and vivid. Effective for making the picture look more impressive than with [STD **Ambience: Standard**].

S Soft
The subject is less defined, giving the picture a softer and daintier look. Good for portraits, pets, flowers, etc.

W Warm
The subject is less defined with a warmer color cast, giving the picture a warmer and gentler look. Good for portraits, pets, and other subjects to which you want to give a warm look.

I Intense
While the overall brightness is slightly lowered, the subject is emphasized for a more intense feeling in the picture. Effective for making the human or living subject stand out more.

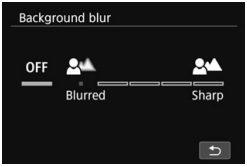
C Cool
The overall brightness is slightly lowered with a cooler color cast in the picture. Effective for making a subject in the shade look more calm and impressive.

B Brighter
The picture looks brighter.

D Darker
The picture looks darker.

M Monochrome
The picture becomes monochrome. You can select the monochrome color to be blue, black and white, or sepia.

(2) Background blur



You can adjust the degree of background blur. Turn the <⊙> or <◎> dial to set the effect.
With the (2) item on page 81 selected, press <SET> to display the screen shown on the left. While looking at the gauge, you can turn the <⊙> or <◎> dial to set the degree.

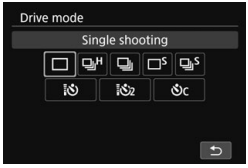
Note that you can preview the resulting effect of "Background blur" before shooting by pressing the <START/STOP> button and switching to Live View shooting (p.85).

OFF : The camera sets the aperture automatically to match the brightness. You can take the picture with the degree of background blur automatically set by the camera.

Blurred : The further left (Blurred end) you set the orange bar, the more blurred the background of the subject in the picture will be.

Sharp : The further right (Sharp end) you set the orange bar, the sharper the background of the subject in the picture will be.

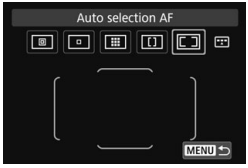
(3) Drive mode



You can select single shooting, continuous shooting, or self-timer. Turn the <⚙> or <◎> dial to select the desired mode.
Pressing <SET> will display the screen shown on the left. Turn the <⚙> dial to select the desired setting.

For drive modes, see page 116.

(4) AF point selection



Turn the <⚙> or <◎> dial to select the desired AF Area selection mode.
Pressing <SET> will display the screen shown on the left. You can then select the AF Area selection mode and AF point.

If you then press the <⊞> button in this status, you can select the AF Area selection mode. When the AF Area selection mode is set to other than [**Auto selection AF**], you can use <✥> to select the AF point or zone.

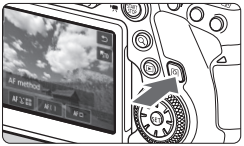
For AF area selection modes, see pages 109-111. For AF point selection, see page 112.

Using Effect Preview in Live View Shooting

In the <CA> mode, when you set the [**Ambience-based shots**] or [**Background blur**], shooting while checking the resulting effect on the Live View image is recommended.

1 Display the Live View image.

- Set the Live View/Movie shooting switch to <📷>, then press the <START STOP> button.
- Press the shutter button halfway, then focus on the subject.



2 Press the <Q> button.

▶ The Quick Control screen will appear (⏱10).

3 Select the desired ambience.

- Press the <▲> <▼> keys to select [**Ambience-based shots**].
- Turn the <⚙> or <◎> dial to select the ambience (p.81).

▶ The LCD monitor will display how the image will look with the selected ambience.

4 Set the ambience effect.

- Press the <▲> <▼> keys to select [**Effect**].
- Turn the <⚙> or <◎> dial to select the desired degree or setting of the effect.

5 Set [Background Blur].

- Press the <Q> button to exit the Quick Control.
- Turn the <⚙> or <◎> dial to adjust the blur while checking it on the screen (p.83). While you adjust it, [**Simulating blur**] will be displayed.

6 Take the picture.

- Press the shutter button completely.
- To return to viewfinder shooting, press the <START/STOP> button to exit Live View shooting.

<SCN> Mode [Brightness] and [Color tone]
When the Mode Dial is set to the <SCN> mode, you can adjust the [**Brightness**] and [**Color tone**] with the shooting mode. In step 3, when you select [**Brightness**] or [**Color tone**], you can adjust the [**Brightness**] to Darker/Brighter (3 steps each) or the [**Color tone**] to Cool tone/Warm tone (2 steps each) while watching the Live View image.

SCN: Special Scene Mode

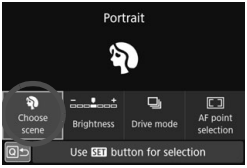
The camera will automatically choose the appropriate settings when you select a shooting mode for your subject or scene.

* <SCN> stands for Special Scene.

1 Set the Mode Dial to <SCN>.

2 Press the <Q> button (⏱10).

▶ The Quick Control screen will appear.



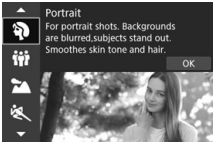
3 Select [Choose scene].

- Press the <▲> <▼> or <◀> <▶> keys to select [**Choose scene**], then press <SET>.

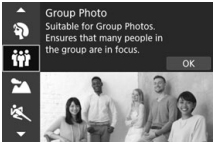
4 Select a shooting mode.

- Press the <▲> <▼> keys to select the shooting mode, then press <SET>.
- You can also select the shooting mode by turning the <⚙> or <◎> dial.

SCN Modes

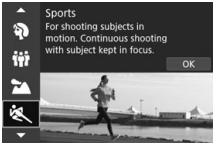


: Portrait (p.89)



: Group Photo (p.90)

: Landscape (p.91)

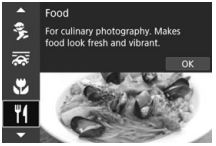


: Sports (p.92)

: Kids (p.93)

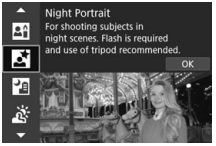
: Panning (p.94)

: Close-up (p.96)



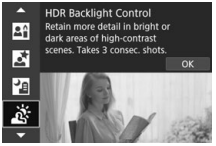
: Food (p.97)

: Candlelight (p.98)



: Night Portrait (p.99)

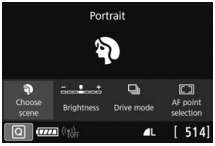
: Handheld Night Scene (p.100)



: HDR Backlight Control (p.101)

SCN: Shooting Portraits

The < > (Portrait) mode blurs the background to make the human subject stand out. It also makes skin tones and hair look softer.



Shooting Tips

- **Select the location where the distance between the subject and the background is the farthest.**
  The further the distance between the subject and background, the more blurred the background will look. The subject will also stand out better against an uncluttered dark background.

- **Use a telephoto lens.**
  If you have a zoom lens, use the telephoto end to fill the frame with the subject from the waist up. Move in closer if necessary.

- **Focus on the face.**
  Check that the AF point covering the face lights up. For close-ups of the face, focus on the eyes.

SCN: Shooting Group Photos

Use the < > (Group Photo) mode to shoot group photos. You can take a picture in which both the people in the front and people in the back are all in focus.

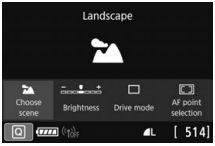
Shooting Tips

- **Use a wide-angle lens.**
  When using a zoom lens, use the wide-angle end to make it easy to get all the people in the group in focus at once, from the front row to the back. Also, if you place a little distance between the camera and the subjects (so that the subjects' entire bodies are in the shot), the focus range increases in depth.

- **Take multiple shots of the group.**
  It is recommended to shoot multiple photos in case some people close their eyes.

SCN: Shooting Landscapes

Use the < > (Landscape) mode for expansive scenery or to have everything in focus from near to far. For vivid blues and greens, and very sharp and crisp images.

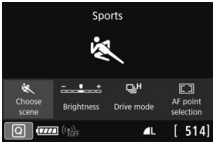


Shooting Tips

- **With a zoom lens, use the wide-angle end.**
  When using a zoom lens, set the lens to the wide-angle end to make the objects near and far in focus. It also adds breadth to landscapes.
- **Shooting night scenes.**
  Shooting with < > while handholding the camera may cause camera shake. Using a tripod is recommended.

SCN: Shooting Moving Subjects

Use the < > (Sports) mode to shoot a moving subject, such as a running person or a moving vehicle.



Shooting Tips

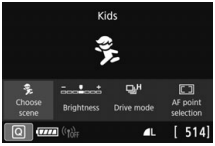
- **Use a telephoto lens.**
  Use of a telephoto lens is recommended to enable shooting from a distance.

- **Track the subject with the Area AF frame.**
  After aiming the Area AF frame over the subject, press the shutter button halfway to start focusing. During autofocusing, the beeper will continue beeping softly. If focus cannot be achieved, the focus indicator <●> will blink.

- **Shoot continuously.**
  The default setting is <H> (High-speed continuous shooting). At the decisive moment, press the shutter button completely to take the picture. If you keep holding down the shutter button, you can shoot continuously while maintaining autofocusing to capture changes in the subject's movement. (Viewfinder shooting: max. approx. 6.5 shots/sec., Live View shooting: max. approx. 4.0 shots/sec.)

SCN: Photographing Children

To photograph the children running around, use <> (Kids). Skin tones will look healthy.



Shooting Tips

- **Track the subject with the Area AF frame.**
  After aiming the Area AF frame over the subject, press the shutter button halfway to start focusing. During autofocusing, the beeper will continue beeping softly. If focus cannot be achieved, the focus indicator <●> will blink.

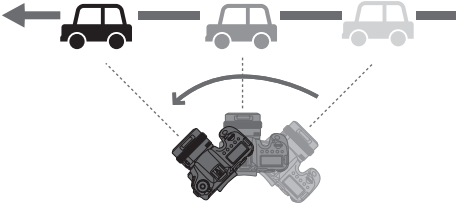
- **Shoot continuously.**
  The default setting is <H> (High-speed continuous shooting). At the decisive moment, press the shutter button completely to take the picture. If you keep holding down the shutter button, you can shoot continuously while maintaining autofocusing to capture changes in the subject's facial expression and movement. (Viewfinder shooting: max. approx. 6.5 shots/sec., Live View shooting: max. approx. 4.0 shots/sec.)

SCN: Panning

If you want to take a picture with the feel of speed and a blurred motion effect on the subject's background, use < > (Panning). With Live View shooting, if you use a lens supporting the < > mode, subject blur is detected, corrected, and reduced.

Shooting Tips

- **Turn the camera to follow the moving subject.**
  When shooting, turn the camera smoothly as you track the moving subject. Aim the AF point over the part of the moving subject where you want to focus, then press the shutter button halfway and keep holding it down as you turn the camera to match the subject's speed and movement. Press the shutter button completely while moving the camera to take the picture. Keep tracking the subject with the camera.



- **Set the level of background motion blur.**
  With [**Effect**], you can set the level of background motion blur. The [**Max**] setting will set a slower shutter speed to increase the background motion blur around the subject. If the subject blur is noticeable, set [**Effect**] to [**Med**] or [**Min**] to reduce the blur.

- To see which lenses support the < > mode, refer to the Canon Web site.
- When using a lens supporting the < > mode during Live View shooting, subject blur can be corrected and the shutter speed will be set automatically according to the setting of [**Effect**], regardless of the lens's Image Stabilizer setting.
- To prevent camera shake, it is recommended that you hold the camera with both hands, tighten your arms close to your body, and track the subject's movement smoothly to take pictures.
- This effect is most effective with trains, cars, etc. that move at a constant speed in one direction.
- Taking test shots or checking the image by playing it back immediately after shooting is recommended.

SCN: Shooting Close-ups

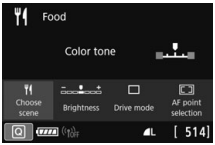
When you want to shoot flowers or small things up close, use the < > (Close-up) mode. To make small things appear much larger, use a macro lens (sold separately).

Shooting Tips

- **Use a simple background.**
  A simple background makes small objects such as flowers stand out better.
- **Move in as close as possible to the subject.**
  Check the lens for its minimum focusing distance. The lens minimum focusing distance is measured from the < > (focal plane) mark on the top of the camera to the subject. If you are too close to the subject and focus cannot be achieved, the focus indicator < > will blink.
- **With a zoom lens, use the telephoto end.**
  If you have a zoom lens, using the telephoto end will make the subject look larger.

SCN: Shooting Food

When you want to take pictures of food, use <> (Food). The photo will look bright and appetizing. Also, depending on the light source, the reddish tinge will be suppressed in the pictures taken under tungsten lights, etc.



Shooting Tips

- **Change the color tone.**
  You can change [**Color tone**]. To increase the food's reddish tinge, set it toward [**Warm**]. Set it toward [**Cool**] if it looks too red.

SCN: Shooting Candlelight Portraits

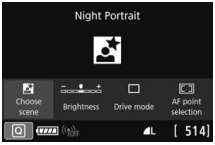
When you want to photograph a person in candlelight, use < > (Candlelight). The atmosphere of candlelight is reflected in the color tones of the picture.

Shooting Tips

- **Use the center AF point to focus.**
  Aim the center AF point in the viewfinder on the subject, then shoot.
- **Prevent camera shake if the numeric display (shutter speed) in the viewfinder blinks.**
  Under low light, the viewfinder's shutter speed display will blink. Hold the camera steady or use a tripod. When using a zoom lens, you can reduce the blur caused by camera shake by setting the lens to the wide-angle end.
- **Change the color tone.**
  You can change [**Color tone**]. To increase the candlelight's reddish tinge, set it toward [**Warm**]. Set it toward [**Cool**] if it looks too red.

SCN: Shooting Night Portraits (With a Tripod)

When you want to photograph people at night and obtain a natural-looking night scene in the background, use the <> (Night Portrait) mode. **Note that an external Speedlite is required for shooting.** Using a tripod is recommended.

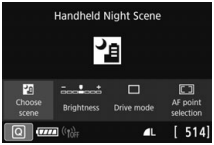


Shooting Tips

- **Use a wide-angle lens and a tripod.**
  When using a zoom lens, use the wide-angle end to obtain a wide night view. Also, since camera shake is prone to occur with handheld shooting, use a tripod.
- **Check the subject's brightness.**
  Note that it is recommended to play back the captured image on location to check the image brightness. If the subject looks dark, move nearer and shoot again.
- **Also shoot in other shooting modes.**
  Since camera shake is prone to occur with night shots, shooting also with <> and <> is recommended.

SCN: Shooting Night Scenes (Handheld)

Using a tripod when shooting a night scene gives the best results. However, the < > (Handheld Night Scene) mode enables you to shoot night scenes even while handholding the camera. In this shooting mode, four shots are taken consecutively for each picture, and the resulting one image with reduced camera shake is recorded.



Shooting Tips

- **Hold the camera firmly.**
  During shooting, hold the camera firmly and steadily. In this mode, four shots are aligned and merged into a single image. However, if there is significant misalignment in any of the four shots due to camera shake, they may not align properly in the final image.

- **For portraits, use an external Speedlite.**
  If you are to include people in the picture, use an external Speedlite. To take a nice portrait, the first shot will use flash. Tell the subject not to move until all four consecutive shots are taken.

SCN: Shooting Backlit Scenes

When shooting a scene having both the bright and dark areas, use the < > (HDR Backlight Control) mode. When you take one picture in this mode, three consecutive shots are taken at different exposures. This results in one image, with a wide tonal range, that has minimized the clipped shadows caused by backlighting.

* HDR stands for High Dynamic Range.

Shooting Tips

- **Hold the camera firmly.**
  During shooting, hold the camera firmly and steadily. In this mode, three shots are aligned and merged into a single image. However, if there is significant misalignment in any of the three shots due to camera shake, they may not align properly in the final image.

Q Quick Control

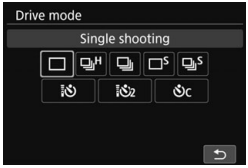
In Basic Zone modes, pressing the <Q> button sets the items shown in the tables on the next page with the Quick Control.

1 Set the Mode Dial to a Basic Zone mode.

Example: <A+> mode

2 Press the <Q> button (10).

▶ The Quick Control screen will appear.



3 Set the desired function.

- Press the <▲> <▼> or <◀> <▶> keys to select a function.
- ▶ The settings of the selected function and Feature guide (p.72) will appear.
- Turn the <⊙> or <◎> dial to change the setting.
- You can also select it from a list by selecting a function and pressing <SET>.

Settable Functions in Basic Zone Modes

●: Default setting*1 ○: User selectable ▭: Not selectable

Function		A+	CA
Ambience-based shots (p.81)		▭	○
Background blur (p.83)		▭	○
Drive mode (p.116)	**Single shooting**	●	●
	High-speed continuous shooting	○	○
	Low-speed continuous shooting	○	○
	Silent single shooting*2	○	○
	Silent continuous shooting*2	○	○
	10-sec. self-timer/Remote control	○	○
	2-sec. self-timer/Remote control	○	○
	Self-timer: Continuous shooting	○	○
AF point selection (p.111, 112)		○	○

Function		SCN					
Panning (p.94)		▭	▭	▭	▭	▭	○
Brightness (p.86)		○	○	○	○	○	○
Drive mode (p.116)	**Single shooting**	○	●	●	○	○	○
	High-speed continuous shooting	○	○	○	●	●	▭
	Low-speed continuous shooting	●	○	○	○	○	●
	Silent single shooting*2	○	○	○	○	○	○
	Silent continuous shooting*2	○	○	○	○	○	▭
	10-sec. self-timer/Remote control	○	○	○	○	○	○
	2-sec. self-timer/Remote control	○	○	○	○	○	○
	Self-timer: Continuous shooting	○	○	○	○	○	○
AF point selection (p.111, 112)		○	○	○	○	○	○

*1: If you change the shooting mode or set the power switch to <OFF>, all the functions will revert to their default settings (except the self-timer).

*2: Settable only with viewfinder shooting.

●: Default setting*1 ○: User selectable ▭: Not selectable

Function		SCN					
Color tone (p.86)			○	○			
Brightness (p.86)		○	○	○	○	○	
Drive mode (p.116)	**Single shooting**	●	●	●	●	●	●
	High-speed continuous shooting	○	○	○	○	○	○
	Low-speed continuous shooting	○	○	○	○	○	○
	Silent single shooting*2	○	○	○	○	○	○
	Silent continuous shooting*2	○	○	○	○	○	○
	10-sec. self-timer/Remote control	○	○	○	○	○	○
	2-sec. self-timer/Remote control	○	○	○	○	○	○
	Self-timer: Continuous shooting	○	○	○	○	○	○
AF point selection (p.111, 112)		○	○		○	○	○

*1: If you change the shooting mode or set the power switch to <OFF>, all the functions will revert to their default settings (except the self-timer).

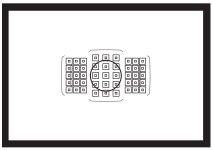
*2: Settable only with viewfinder shooting.

Adjusting Ambience-based shots, Background blur, Brightness, and Color tone

Using Live View shooting is recommended when setting [**Ambience-based shots**], [**Background blur**], [**Brightness**], or [**Color tone**]. For the operating procedures for Live View shooting, see “Using Effect Preview in Live View Shooting” on page 85 and see “<SCN> mode [**Brightness**] and [**Color tone**]” on page 86. You can adjust the effects while looking at the Live View image.

3

Setting the AF and Drive Modes



The AF points in the viewfinder are arranged to make AF shooting suitable for a wide variety of subjects and scenes.

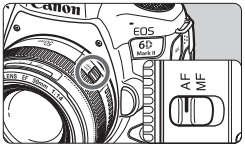
You can also select the AF operation and drive mode that best match the shooting conditions and subject.

- The ☆ icon at the upper right of the page title indicates that the function is available only in Creative Zone modes (<**P**>, <**Tv**>, <**Av**>, <**M**>, <**B**>).
- In Basic Zone modes, the AF operation is set automatically.

<**AF**> stands for autofocus. <**MF**> stands for manual focus.

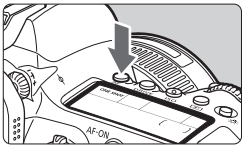
AF: Selecting the AF Operation ☆

You can select the AF operation characteristics to suit the shooting conditions or subject. In Basic Zone modes, the optimum AF operation is set automatically for the respective shooting mode.

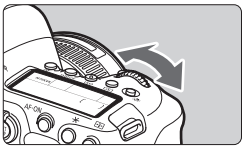


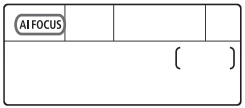
1 Set the lens's focus mode switch to <AF>.

2 Turn the Mode Dial to a Creative Zone mode.



3 Press the <AF> button (⏱6).



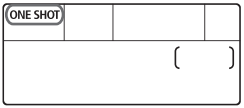


4 Select the AF operation.

- While looking at the LCD panel or the viewfinder, turn the <⚙> or <◎> dial.

  ONE SHOT : One-Shot AF
  AI FOCUS : AI Focus AF
  AI SERVO : AI Servo AF

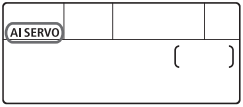
One-Shot AF for Still Subjects



Suited for still subjects. When you press the shutter button halfway, the camera will focus only once.

- The AF point that achieves focus is displayed, and the focus indicator <●> in the viewfinder will also light up.
- With the camera in the default settings and the metering mode set to the evaluative metering, the exposure setting is set at the same time the focus is achieved.
- While you keep holding down the shutter button halfway, the focus will be locked. You can then recompose the shot if desired.

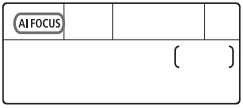
AI Servo AF for Moving Subjects



This AF operation is suited for moving subjects when the focusing distance keeps changing. While you hold down the shutter button halfway, the camera will keep focusing on the subject continuously.

- The exposure is set at the moment the picture is taken.
- When the AF area selection mode (p.113) is set to Automatic selection AF, focus tracking will continue as long as the Area AF frame covers the subject.

AI Focus AF for Switching the AF Operation Automatically



AI Focus AF switches the AF operation from One-Shot AF to AI Servo AF automatically if a still subject starts moving.

- After the subject is focused in One-Shot AF, if the subject starts moving, the camera will detect the movement, change the AF operation automatically to AI Servo AF, and start tracking the moving subject.

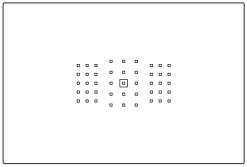
Selecting the AF Area and AF Point

The camera has 45 AF points for autofocusing. You can select the AF area selection mode and AF point(s) suiting the scene or subject.

Depending on the lens used, the number of usable AF points, AF point patterns, Area AF frame shape, etc. vary.

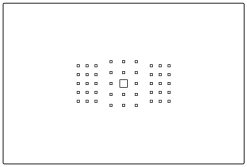
AF Area Selection Mode

You can select one of five AF area selection modes. For the selection procedure, see page 111.



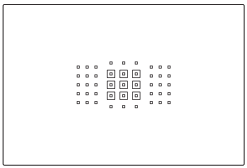
Single-point Spot AF (Manual selection)

For pinpoint focusing.



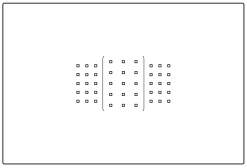
Single-point AF (Manual selection)

Select one AF point to focus.



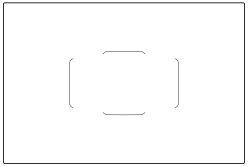
Zone AF (Manual selection of zone)

The AF area is divided into nine focusing zones for focusing.



Large Zone AF (Manual selection of zone)

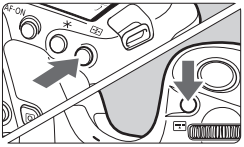
The AF area is divided into three focusing zones (left, center, and right) for focusing.



Automatic selection AF

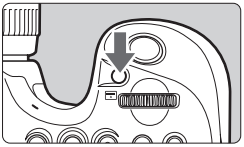
The Area AF frame (entire AF area) is used to focus.

Selecting the AF Area Selection Mode



1 Press the <⊞> or <⊞> button (⏱6).

- Look through the viewfinder and press the <⊞> or <⊞> button.

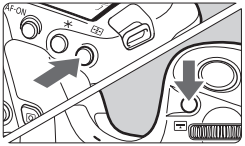


2 Press the <⊞> button.

- Each time you press the <⊞> button, the AF area selection mode changes.

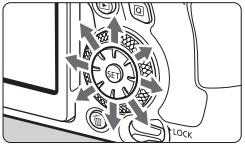
Selecting the AF Point Manually

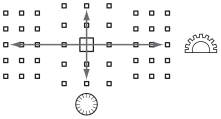
You can manually select the AF point or zone.



1 Press the <⊞> or <⊞> button (⏱6).

- ▶ The AF points will be displayed in the viewfinder.
- In the Zone AF mode or Large Zone AF mode, the selected zone will be displayed.





2 Select an AF point.

- The AF point selection will change in the direction you tilt <✥>. If you press <SET>, the center AF point (or center zone) will be selected.
- You can also select a horizontal AF point by turning the <◎> dial and select a vertical AF point by turning the <◎> dial.
- In the Zone AF and Large Zone AF modes, turning the <◎> or <◎> dial will change the zone (in a looping sequence for Zone AF).

AF Point Display Indications

Pressing the <⊞> or <⊞> button lights up the AF points that are cross-type AF points for high-precision autofocusing. The blinking AF points are horizontal-line or vertical-line sensitive.

AF Area Selection Mode

⊡ Single-point Spot AF (Manual selection)

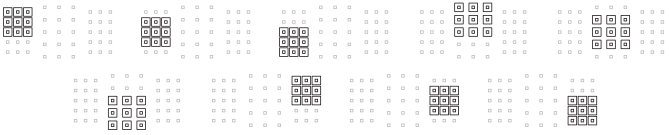
For pinpoint focusing over a narrower area than with Single-point AF. Select one AF point <⊡> to focus.
Effective for pinpoint focusing or focusing on overlapping subjects such as an animal in a cage.
Since Single-point Spot AF covers a very small area, focusing may be difficult during handheld or low-light shooting or for a moving subject.

□ Single-point AF (Manual selection)

Select one AF point <□> to be used for focusing.

⁞⁞⁞ Zone AF (Manual selection of zone)

The AF area is divided into nine focusing zones for focusing. Since all the AF points in the selected zone are used for Automatic selection AF, it is superior to Single-point AF in tracking the subject, and it is also effective for moving subjects.
However, since it is inclined to focus on the nearest subject, focusing on a specific target may be more difficult.
The AF point(s) achieving focus is displayed as <□>.



〔 〕 Large Zone AF (Manual selection of zone)

The AF area is divided into three focusing zones (left, center, and right) for focusing. Since the focusing area is larger than with Zone AF and all the AF points in the selected zone are used for Automatic selection AF, it is superior to Single-point AF in tracking the subject, and it is effective for moving subjects.
However, since it is inclined to focus on the nearest subject, focusing on a specific target may be more difficult.
The AF point(s) achieving focus is displayed as <□>.

〔◌〕 Automatic selection AF

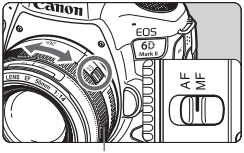
The Area AF frame (entire AF area) is used to focus. The AF point(s) achieving focus is displayed as <□>.

With One-Shot AF, pressing the shutter button halfway will display the AF point(s) <□> that achieved focus. If multiple AF points are displayed, it means they all have achieved focus. This mode tends to focus on the nearest subject.

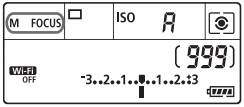
With AI Servo AF, you can set the AI Servo AF's initial position with [**C.Fn II-11: Initial AF pt, 〔◌〕 AI Servo AF**] set to [**1: Initial 〔◌〕 AF pt selected**] or [**2: Manual □ AF pt**]. As long as the Area AF frame can track the subject during shooting, focusing will continue.

MF: Manual Focus

If focus cannot be achieved with autofocus, follow the procedure below to focus manually.



Focusing ring



1 Set the lens's focus mode switch to <MF>.

▶ <M FOCUS> will be displayed on the LCD panel.

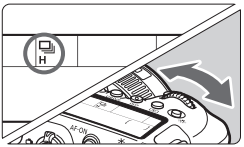
2 Focus on the subject.

- Turn the lens focusing ring until the subject looks sharp in the viewfinder.

Selecting the Drive Mode

Single and continuous drive modes are provided. You can select the drive mode suiting the scene or subject.

1 Press the <DRIVE> button (⏱6).



2 Select the drive mode.

- While looking at the LCD panel or in the viewfinder, turn the <⚙> dial.

□ : **Single shooting**
When you press the shutter button completely, only one shot will be taken.

□H : **High-speed continuous shooting**
When you hold down the shutter button completely, you can shoot continuously at **max. approx. 6.5 shots/sec.** while you keep holding it down.
However, the maximum continuous shooting speed may become slower under the following conditions:

- **With Anti-flicker shooting:**
  The continuous shooting speed will be **max. approx. 5.6 shots/sec.**
- **With Live View shooting:**
  When [**AF operation**] is set to [**One-Shot AF**], or when [**Manual Focus**] is set, the continuous shooting speed will be **max. approx. 6.5 shots/sec.**
  When [**AF operation**] is set to [**Servo AF**], the continuous shooting speed of **max. approx. 4.0 shots/sec.** will be given priority.
  Note that if an EX-series Speedlite is used with Live View shooting, the continuous shooting speed will be **max. approx. 1.7 shots/sec.**

: **Low-speed continuous shooting**
While you hold down the shutter button completely, you can shoot continuously at **max. approx. 3.0 shots/sec.** (except the < > mode).
Note that during Live View shooting, if [**AF operation**] is set to [**Servo AF**], subject tracking is given priority (Subject-tracking priority) at a continuous shooting speed of **max. approx. 3.0 shots/sec.** (except the < > mode).

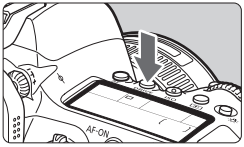
: **Silent single shooting**
You can perform single shooting while suppressing the mechanical sound during viewfinder shooting. This cannot be set for Live View shooting.

: **Silent continuous shooting**
During viewfinder shooting, you can shoot continuously at **max. approx. 3.0 shots/sec.** while suppressing the mechanical sound (compared to the < > setting). This cannot be set for Live View shooting.

: **10-sec. self-timer/remote control**
: **2-sec. self-timer/remote control**
: **Self-timer: Continuous**
For self-timer shooting, see page 118.

Using the Self-timer

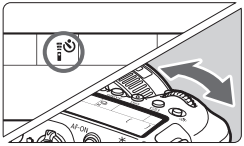
Use the self-timer when you want to be in the picture such as a commemorative photograph.



1 Press the <DRIVE> button (6).

2 Select the self-timer.

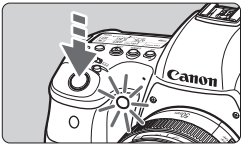
- While looking at the LCD panel or in the viewfinder, turn the <QUICK> dial.



: **Shoot in 10 sec.**
The picture is taken approx. 10 sec. after you press the shutter button completely. Remote control shooting is also possible.

: **Shoot in 2 sec.**
The picture is taken approx. 2 sec. after you press the shutter button completely. Remote control shooting is also possible.

: **10-sec. self-timer plus consecutive shots**
Turn the <> dial to set the number of multiple shots (2 to 10) to be taken with the self-timer. The picture is taken in 10 sec. after you press the shutter button completely. Remote control shooting is not possible.



3 Take the picture.

- Look through the viewfinder, focus on the subject, then press the shutter button completely.
- ▶ You can check the self-timer operation with the self-timer lamp, beeper, and countdown display (in seconds) on the LCD panel.
- ▶ Approx. 2 sec. before the picture is taken, the self-timer lamp will light up and the beeper will sound faster.

4

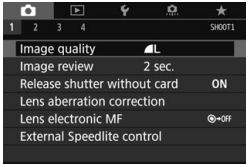
Image Settings

This chapter describes image-related functions: Image-recording quality, ISO speed, Picture Style, white balance, Auto Lighting Optimizer, noise reduction, highlight tone priority, lens aberration correction, and anti-flicker shooting.

- The ☆ icon at the upper right of the page title indicates that the function is available only in Creative Zone modes (<**P**>, <**Tv**>, <**Av**>, <**M**>, <**B**>).

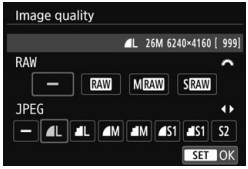
MENU Setting the Image-Recording Quality

You can select the pixel count and the image quality. Seven JPEG quality settings are provided: ◢L, ◢L, ◢M, ◢M, ◢S1, ◢S1, and S2. Three RAW image-recording quality settings are provided: RAW, M RAW, and S RAW (p.123).



1 Select [Image quality].

- Under the [📷1] tab, select [**Image quality**], then press <SET>.



2 Set the image-recording quality.

- To select a RAW setting, turn the <⚙> dial. To select a JPEG setting, press the <◄> or <►> keys.
- On the upper right, the "****M** (megapixels) ******x******" number indicates the recorded pixel count, and [***] is the number of possible shots (displayed up to 9999).
- Press <SET> to set it.

Guide to Image-Recording Quality Settings (Approx.)

Image Quality	Pixels Recorded	Print Size	File Size (MB)	Possible Shots	Maximum Burst	
					Standard	High Speed
JPEG						
◢L	26M	A2	7.5	1000	110	150
▟L			3.8	1950	150	150
◢M	12M	A3	4.0	1870	150	150
▟M			2.1	3570	150	150
◢S1	6.5M	A4	2.6	2820	150	150
▟S1			1.4	5310	150	150
S2	3.8M	A5	1.8	4170	150	150
RAW						
RAW	26M	A2	32.6	200	18	21
M RAW	15M	A3	25.3	250	21	23
S RAW	6.5M	A4	17.4	340	25	25
RAW+JPEG						
RAW ◢L	26M 26M	A2 A2	32.6 + 7.5	160	17	19
M RAW ◢L	15M 26M	A3 A2	25.3 + 7.5	200	18	18
S RAW ◢L	6.5M 26M	A4 A2	17.4 + 7.5	250	19	19

- The number of possible shots is based on Canon's testing standards and an 8 GB card.
- The maximum burst during continuous shooting is based on Canon's standard testing SD card (Standard: 8 GB, High-speed: UHS-I 16 GB) and testing standards (<▭H> High-speed continuous shooting, 3:2 aspect ratio, ISO 100, Standard Picture Style).
- **The file size, number of possible shots, and maximum burst will vary depending on the subject, card brand, aspect ratio, ISO speed, Picture Style, Custom Functions, and other settings.**

RAW Images

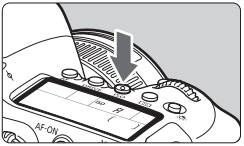
A RAW image is raw data output by the image sensor converted to digital data. It is recorded to the card as is, and you can select the quality as follows: RAW, M RAW, or S RAW.
A RAW image can be processed with [▶1: **RAW image processing**] and saved as a JPEG image. (M RAW and S RAW images cannot be processed with the camera.) As the RAW image itself does not change, you can process the RAW image to create any number of JPEG images with various processing conditions.
You can use Digital Photo Professional (EOS software, p.192) to process RAW images. You can make various adjustments to images depending upon how they will be used and can generate JPEG, TIFF, or other types of images reflecting the effects of those adjustments.

Maximum Burst for Continuous Shooting

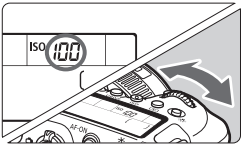
The approximate maximum burst is displayed at the bottom right of the viewfinder and Quick Control screen. If the maximum burst for continuous shooting is 99 or higher, “99” will be displayed.

ISO: Setting the ISO Speed for Still Photos ☆

Set the ISO speed (image sensor's sensitivity to light) to suit the ambient light level. In Basic Zone modes, the ISO speed is set automatically (p.125).
Regarding the ISO speed during movie shooting, see pages 173 and 175.



1 Press the <ISO> button (⏱6).



2 Set the ISO speed.

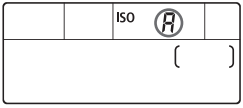
- While looking at the LCD panel or the viewfinder, turn the <⚙> or <◎> dial.
- ISO speed can be set within ISO 100 - ISO 40000 in 1/3-stop increments.
- "**A**" indicates ISO Auto. The ISO speed will be set automatically (p.125).

ISO Speed Guide

ISO Speed	Shooting Situation (No flash)	Flash Range
L (50), ISO 100 - ISO 400	Sunny outdoors	The higher the ISO speed, the farther the effective flash range will be.
ISO 400 - ISO 1600	Overcast skies or evening time	
ISO 1600 - ISO 40000, H1 (51200), H2 (102400)	Dark indoors or night	

* High ISO speeds will result in grainier images.

ISO Auto



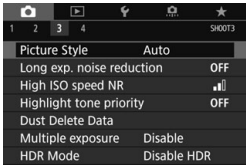
If the ISO speed is set to "**A**" (Auto), the actual ISO speed to be set will be displayed when you press the shutter button halfway.
As indicated below, the ISO speed will be set automatically to suit the shooting mode.

Shooting Modes	ISO Speed	
	No Flash	With Flash
A+/CA	ISO 100 - ISO 12800	ISO 100 - ISO 1600
SCN	Automatically set (Varies depending on the SCN shooting mode)	
P/Tv/Av/M	ISO 100 - ISO 40000*	ISO 100 - ISO 1600*
B	ISO 400*	ISO 400*

* The actual ISO speed range depends on the [**Minimum**] and [**Maximum**] set with [**Auto range**].

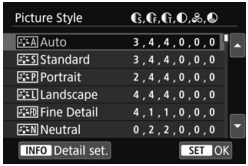
MENU Selecting a Picture Style ☆

Just by selecting a preset Picture Style, you can obtain image characteristics effectively matching your photographic expression or the subject.
In Basic Zone modes, [ ] (Auto) is set automatically.



1 Select [Picture Style].

- Under the [3] tab, select [**Picture Style**], then press <SET>.
- ▶ The Picture Style selection screen will appear.



2 Select a Picture Style.

- Select a Picture Style, then press <SET>.
- ▶ The Picture Style will be set.

Picture Style Characteristics

Auto
The color tone will be adjusted automatically to suit the scene. The colors will look vivid for blue skies, greenery and sunsets, particularly in nature, outdoor and sunset scenes.

Standard
The image looks vivid, sharp, and crisp. This is a general-purpose Picture Style suitable for most scenes.

Portrait
For nice skin tones. The image looks softer. Suited for close-up portraits.
By changing the [**Color tone**], you can adjust the skin tone.

Landscape
For vivid blues and greens, and very sharp and crisp images. Effective for impressive landscapes.

Fine Detail
Suited for detailed outline and fine texture description of the subject. The colors will be slightly vivid.

Neutral
Suited for processing the image with a computer. For natural colors and subdued images with modest brightness and color saturation.

Faithful

Suited for processing the image with a computer. The color of a subject that is captured in sunlight at a color temperature of 5200K will be adjusted to match the subject's colorimetrical color. For subdued images with modest brightness and color saturation.

Monochrome

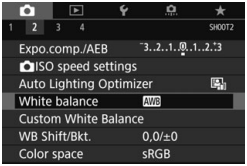
Creates black-and-white images.

User Defined 1-3

You can register a basic style such as [**Portrait**], [**Landscape**], a Picture Style file, etc. and adjust it as desired. With any of the User Defined Picture Style that has not yet been set, pictures will be taken with the same characteristics settings as with the default settings of [**Auto**].

WB: Setting the White Balance☆

White balance (WB) is for making the white areas look white. Normally, the Auto [AWB] (Ambience priority) or [AWB w] (White priority) setting will obtain the correct white balance. If natural-looking colors cannot be obtained with Auto, you can select the white balance to match the light source or set it manually by shooting a white object.
In Basic Zone modes, [AWB] (Ambience priority) is set automatically. (In the <🍴> mode, [AWB w] (White priority) is set.)



1 Select [White balance].

- Under the [📷2] tab, select [**White balance**], then press <SET>.

2 Select a white balance setting.

- Select the desired setting, then press <SET>.

(Approx.)

Display	Mode	Color Temperature (K: Kelvin)
AWB	Auto (Ambience priority, p.131)	3000 - 7000
AWB w	Auto (White priority, p.131)	
☀	Daylight	5200
🏠	Shade	7000
☁	Cloudy, twilight, sunset	6000
💡	Tungsten light	3200
▦	White fluorescent light	4000
⚡	Flash use	Automatically set*
🎨	Custom	2000 - 10000
K	Color temperature	2500 - 10000

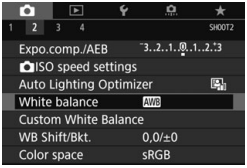
* Applicable with Speedlites having a color temperature transmission function. Otherwise, it will be fixed to approx. 6000 K.

White Balance

To the human eye, a white object looks white regardless of the type of lighting. With a digital camera, the white for color correction basis is decided depending on the color temperature of the illumination, and then the color is adjusted with software to make the white areas look white. With this function, you can take the pictures with natural color tones.

AWB Auto White Balance

With [AWB] (Ambience priority), you can increase the intensity of the image's warm color cast when shooting a tungsten-light scene. If you select [AWB w] (White priority), you can reduce the intensity of the image's warm color cast.
If you want to match the Auto white balance of previous EOS DIGITAL camera models, select [AWB] (Ambience priority).

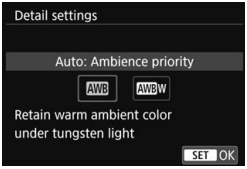


1 Select [White balance].

- Under the [2] tab, select [**White balance**], then press <SET>.

2 Select [AWB].

- With [AWB] selected, press the <INFO> button.



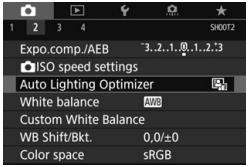
3 Select the desired item.

- Select [**Auto: Ambience priority**] or [**Auto: White priority**], then press <SET>.

  AWB : Auto: Ambience priority
  AWB w : Auto: White priority

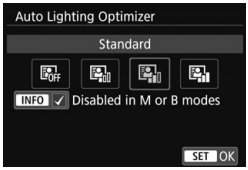
MENU Auto Correction of Brightness and Contrast ☆

If the image comes out dark or the contrast is low, the brightness and contrast can be corrected automatically. This function is called Auto Lighting Optimizer. The default setting is [**Standard**]. With JPEG images, the correction is applied when the image is captured.
In Basic Zone modes, [**Standard**] is set automatically.



1 Select [Auto Lighting Optimizer].

- Under the [**2**] tab, select [**Auto Lighting Optimizer**], then press <SET>.



2 Select the setting.

- Select the desired setting, then press <SET>.

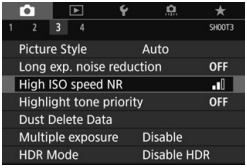
3 Take the picture.

- The image will be recorded with the brightness and contrast corrected as necessary.

MENU Setting Noise Reduction ☆

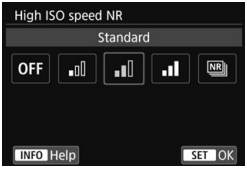
High ISO Speed Noise Reduction

This function reduces the noise generated in the image. Although noise reduction is applied at all ISO speeds, it is particularly effective at high ISO speeds. When shooting at low ISO speeds, the noise in the darker parts of the image (shadow areas) can further be reduced.



1 Select [High ISO speed NR].

- Under the [📷3] tab, select [**High ISO speed NR**], then press <SET>.



2 Set the level.

- Select the desired noise reduction level, then press <SET>.

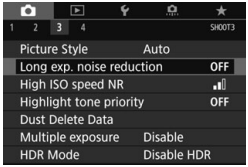
- **NR: Multi Shot Noise Reduction**
  Applies the noise reduction with higher image quality than [**High**]. For a single photo, four shots are taken continuously and aligned and merged automatically into a single JPEG image.
  If the image-recording quality is set to RAW or RAW+JPEG, you cannot set [**Multi Shot Noise Reduction**].

3 Take the picture.

- The image will be recorded with noise reduction applied.

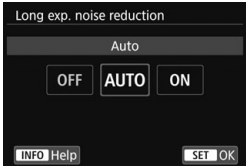
Long Exposure Noise Reduction

For images exposed for 1 sec. or longer, noise (dots of light and banding) typical of long exposures can be reduced.



1 Select [Long exp. noise reduction].

- Under the [📷3] tab, select [**Long exp. noise reduction**], then press <(SET)>.



2 Set the desired setting.

- Select the desired setting, then press <(SET)>.

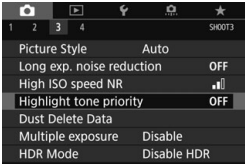
- **Auto**
  For exposures of 1 sec. or longer, noise reduction is performed automatically if noise typical of long exposures is detected. This [**Auto**] setting is effective enough in most cases.
- **Enable**
  Noise reduction is performed for all exposures of 1 sec. or longer. The [**Enable**] setting may reduce noise that cannot be detected with the [**Auto**] setting.

3 Take the picture.

- The image will be recorded with noise reduction applied.

MENU Highlight Tone Priority ☆

You can reduce overexposed, clipped highlights.



1 Select [Highlight tone priority].

- Under the [3] tab, select [**Highlight tone priority**], then press <SET>.

2 Select [Enable].

- Highlight details are improved. The dynamic range is expanded from the standard 18% gray to bright highlights. The gradation between the grays and highlights becomes smoother.

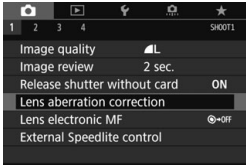
3 Take the picture.

- The image will be recorded with highlight tone priority applied.

MENU Correction of Lens Aberrations due to Optical Characteristics ☆

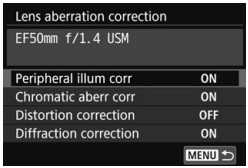
Peripheral light fall-off is a phenomenon that makes the image corners look darker due to the optical characteristics of the lens. Color fringing along subject outlines is called chromatic aberration. Image distortion due to optical characteristics of the lens is called distortion. And decreased image sharpness due to the aperture is called diffraction phenomenon. These lens aberrations can be corrected.
By default, [**Peripheral illum corr**], [**Chromatic aberr corr**], and [**Diffraction correction**] are set to [**Enable**], and [**Distortion correction**] is set to [**Disable**].
If the lens correction data is registered (saved) in the camera, peripheral illumination corrrection, chromatic aberration corrrection, and diffraction correction will be applied in Basic Zone modes. (In the <👪> mode, distortion correction is also applied.)
If the setting screen displays [**Correction data not available**] or the [📄] icon, it means that the correction data for the respective lens is not registered in the camera. See “Lens Correction Data” on page 139.

Peripheral Illumination Correction

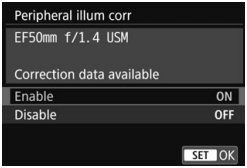


1 Select [Lens aberration correction].

- Under the [📷1] tab, select [**Lens aberration correction**], then press <(SET)>.



2 Select [Peripheral illum corr].



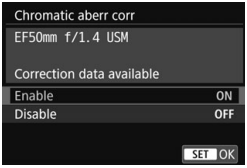
3 Select [Enable].

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Enable**], then press <SET>.

4 Take the picture.

- The image will be recorded with the peripheral illumination corrected.

Chromatic Aberration Correction



1 Select [Chromatic aberr corr].

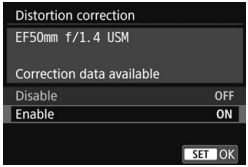
2 Select [Enable].

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Enable**], then press <SET>.

3 Take the picture.

- The image will be recorded with the chromatic aberration corrected.

Distortion Correction



1 Select [Distortion correction].

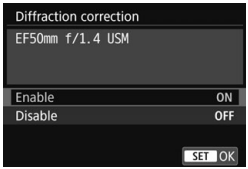
2 Select [Enable].

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Enable**], then press <SET>.

3 Take the picture.

- The image will be recorded with the distortion corrected.

Diffraction Correction



1 Select [Diffraction correction].

2 Select [Enable].

- Select [**Enable**], then press <SET>.

3 Take the picture.

- The image will be recorded with the diffraction corrected.

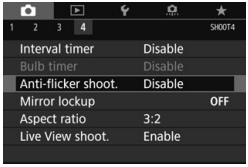
Lens Correction Data

The lens correction data for lens aberration corrections is registered (stored) in the camera. With [**Enable**] selected, the peripheral illumination correction, chromatic aberration correction, distortion correction, and diffraction correction will be applied automatically.

With EOS Utility (EOS software, p.192), you can check which lenses have their correction data registered in the camera. You can also register the correction data for unregistered lenses. For details, refer to the EOS Utility Instruction Manual.
For lenses incorporating the correction data, it is not necessary to register the correction data to the camera.

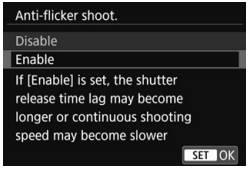
MENU Reducing Flicker ☆

If you shoot an image with a fast shutter speed under a light source such as fluorescent light, the blinking of the light source causes flicker and the image may be vertically unevenly exposed. If continuous shooting is used under these conditions, uneven exposures or colors across the images may result. When you use this feature during viewfinder shooting, the camera detects the flickering frequency of the light source and takes the picture when the flicker causes less effect on exposure or color tone.



1 Select [Anti-flicker shoot.].

- Under the [📷4] tab, select [**Anti-flicker shoot.**], then press <SET>.



2 Select [Enable].

3 Take the picture.

- The picture will be taken with reduced unevenness of exposure or color tone caused by the flicker.

5

GPS Settings

This chapter describes the camera's built-in GPS settings. The EOS 6D Mark II can receive satellite navigation signals from GPS satellites (USA), GLONASS satellites (Russia), and Quasi-Zenith Satellite System (QZSS) "Michibiki" (Japan).

- The GPS function is set to [**Disable**] by default.
- This manual uses the term "GPS" to refer to the satellite navigation function.

When [**GPS**] is set to [**Mode 1**] (p.143), the camera will continue to receive GPS signals at regular intervals even after the camera's power switch is set to <OFF>. The battery will thereby drain faster and the number of possible shots will decrease. When you do not not use GPS, setting [**GPS**] to [**Disable**] or [**Mode 2**] is recommended.

When using GPS function, be sure to check the countries and regions where its use is allowed, and use the function in accordance with the laws and regulations of the country or region. Be particularly careful when using GPS outside your home country.

GPS Precautions

■ Countries and Regions Permitting GPS Function Use

Use of GPS function is restricted in some countries and regions, and illegal use may be punishable under national or local regulations. To avoid violating GPS function regulations, visit the Canon Web site to check where the use is allowed.
Note that Canon cannot be held liable for any problems arising from GPS function use in other countries and regions.

■ Model Number

EOS 6D Mark II : DS126631
(including GPS module model: ES300)

- In certain countries and regions, the use of GPS function may be restricted. Therefore, be sure to use GPS function in accordance with the laws and regulations of your country or region. Be particularly careful when using GPS function outside your home country.
- Be careful about using GPS function where the operation of electronic devices is restricted.
- Others may be able to locate or identify you by using location data in your geotagged pictures or movies. Be careful when sharing these geotagged images, movies or GPS log files with others, such as when posting them online where many people can view them.
- GPS signal reception may take a longer time in some cases.

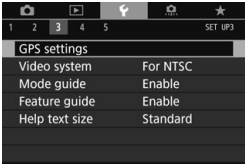
Hereby, Canon Inc., declares that this DS126631 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.canon-europe.com/ce-documentation

GPS Specifications
Frequency band(s): 1575.42±1.023 MHz, 1597.5515 - 1605.886MHz

CANON EUROPA N.V.
Bovenkerkerweg 59, 1185 XB Amstelveen, The Netherlands
CANON INC.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan

Acquiring GPS Signals

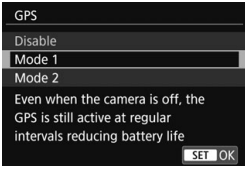
To acquire GPS signals, take the camera outside where the sky is unobstructed. Face the top of the camera toward the sky while keeping your hands, etc. away from the camera top.
When the signal acquisition conditions are good, it will take the camera approx. 30 sec. to 60 sec. to acquire the GPS satellite signals after you set [**GPS**] to [**Mode 1**] or [**Mode 2**]. Check that [GPS] is displayed on the LCD panel, then shoot.



1 Select [GPS settings].

- Under the [3] tab, select [**GPS settings**], then press <SET>.

2 Select [GPS].



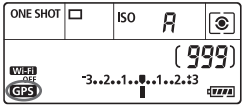
3 Select the mode.

- Select [**Mode 1**] or [**Mode 2**].
- ▶ [GPS] will be displayed on the LCD panel.

- **Mode 1**
  The camera will continue to receive GPS signals at regular intervals even when the power switch is set to <ON> or <OFF>.

- **Mode 2**
  When the power switch is set to <ON>, the camera will receive GPS signals. When the power switch is set to <OFF>, the GPS function will also turn off. However, if auto power off is in effect, the camera will continue to receive GPS signals at regular intervals.

GPS Acquisition Status



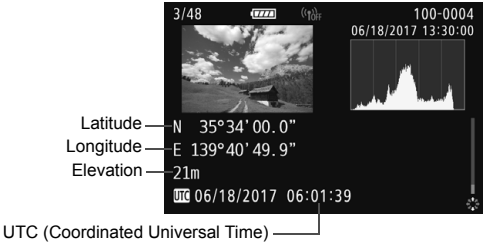
The GPS acquisition status is indicated by the [GPS] icon displayed on the camera's LCD panel.

Constant GPS: Signal acquired
Blinking GPS: Signal not acquired yet

When you shoot while [GPS] is constantly displayed, the image will be geotagged.

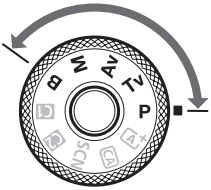
Geotagging Information

Play back the images and press the <INFO> button to display the shooting information screen. Then tilt <⊹> up or down to check the geotag information.



6

Advanced Operations for Photographic Effects



In Creative Zone modes, you can change various settings of the camera as you desire to obtain a wide variety of shooting results, by selecting the shutter speed and/or aperture, adjusting the exposure as you prefer, etc.

- The ☆ icon at the upper right of the page title indicates that the function is available only in Creative Zone modes (<**P**>, <**Tv**>, <**Av**>, <**M**>, <**B**>).
- After you press the shutter button halfway and let go, the exposure settings will remain displayed in the viewfinder and on the LCD panel for approx. 4 sec. (⏱4) by the metering timer function.

Set the <LOCK> switch downward.

P: Program AE

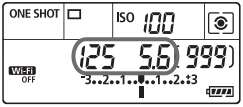
The camera automatically sets the shutter speed and aperture to suit the subject's brightness. This is called Program AE.

* <**P**> stands for Program.
* AE stands for Auto Exposure.

1 Set the Mode Dial to <P>.

2 Focus on the subject.

- Look through the viewfinder and aim the AF point over the subject. Then press the shutter button halfway.
- ▶ When focus is achieved, the focus indicator <●> in the viewfinder will light up (in One-Shot AF mode).
- ▶ The shutter speed and aperture will be set automatically and displayed in the viewfinder and on the LCD panel.



3 Check the display.

- The standard exposure will be obtained as long as the shutter speed and aperture displays do not blink.

4 Take the picture.

- Compose the shot and press the shutter button completely.

Tv: Shutter-Priority AE

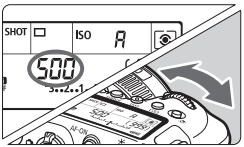
In this mode, you set the shutter speed and the camera automatically sets the aperture to obtain the standard exposure matching the brightness of the subject. This is called shutter-priority AE. A faster shutter speed can freeze the action of a moving subject. A slower shutter speed can create a blurred effect, giving the impression of motion.

* <Tv> stands for Time value.

Blurred motion
(Slow shutter speed: 1/30 sec.)

Frozen motion
(Fast shutter speed: 1/2000 sec.)

1 Set the Mode Dial to <Tv>.



2 Set the desired shutter speed.

- While looking at the LCD panel or viewfinder, turn the <⊞> dial.

3 Focus on the subject.

- Press the shutter button halfway.
- ▶ The aperture is set automatically.

4 Check the viewfinder display and shoot.

- As long as the aperture is not blinking, the standard exposure will be obtained.

Av : Aperture-Priority AE

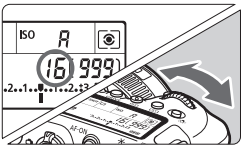
In this mode, you set the desired aperture and the camera sets the shutter speed automatically to obtain the standard exposure matching the subject brightness. This is called aperture-priority AE. A higher f/number (smaller aperture hole) will make more of the foreground and background fall within acceptable focus. On the other hand, a lower f/number (larger aperture hole) will make less of the foreground and background fall within acceptable focus.

* <**Av**> stands for Aperture value (aperture opening).

Blurred background
(With a low aperture f/number: f/5.6)

Sharp foreground and background
(With a high aperture f/number: f/32)

1 Set the Mode Dial to <Av>.



2 Set the desired aperture.

- While looking at the LCD panel or viewfinder, turn the <⊞> dial.

3 Focus on the subject.

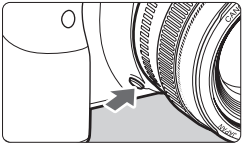
- Press the shutter button halfway.
- ▶ The shutter speed is set automatically.

4 Check the viewfinder display and shoot.

- As long as the shutter speed is not blinking, the standard exposure will be obtained.

Depth-of-Field Preview ☆

The aperture opening (diaphragm) changes only at the moment when the picture is taken. Otherwise, the aperture remains fully open. Therefore, when you look at the scene through the viewfinder or on the LCD monitor, the depth of field will look narrow (shallow).



Press the depth-of-field preview button to stop down the lens to the current aperture setting and check the depth of field (range of acceptable focus).

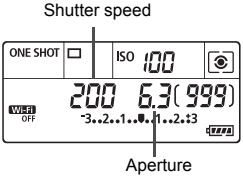
M: Manual Exposure

In this mode, you set both the shutter speed and aperture as desired. To determine the exposure, refer to the exposure level indicator in the viewfinder or use a commercially-available exposure meter. This method is called manual exposure.

* <M> stands for Manual.

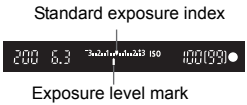
1 Set the Mode Dial to <M>.

2 Set the ISO speed (p.124).



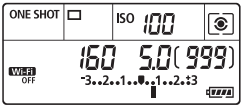
3 Set the shutter speed and aperture.

- To set the shutter speed, turn the <⊞> dial. To set the aperture, turn the <◎> dial.
- If it cannot be set, set the <LOCK> switch downward, then turn the <⊞> or <◎> dial.



4 Focus on the subject.

- Press the shutter button halfway.
- ▶ The exposure setting will be displayed in the viewfinder and on the LCD panel.
- Check the exposure level mark <▮> to see how far the current exposure level is from the standard exposure level.



5 Set the exposure and take the picture.

- Check the exposure level indicator and set the desired shutter speed and aperture.
- If the exposure level exceeds ±3 stops from the standard exposure, the end of the exposure level indicator will display <◀> or <▶>.

Exposure Compensation with ISO Auto

If the ISO speed is set to **A** (AUTO) for manual exposure shooting, you can set exposure compensation (p.152) as follows:

- [**2: Expo.comp./AEB**]
- Under [**C.Fn III-4: Custom Controls**], with [**: Expo comp (hold btn, turn)**]
- Quick Control (p.54)

☒ Setting the Desired Exposure Compensation ☆

Exposure compensation can brighten (increased exposure) or darken (decreased exposure) the standard exposure set by the camera. Exposure compensation can be set in the <**P**>, <**Tv**>, and <**Av**> shooting modes. Although you can set the exposure compensation up to ±5 stops in 1/3-stop increments for viewfinder shooting, the exposure compensation indicator in the viewfinder and on the LCD panel can display the setting only up to ±3 stops. If you want to set the exposure compensation setting beyond ±3 stops, use the Quick Control (p.54) or follow the instructions for [**2: Expo.comp./AEB**] on page 153.
If the <**M**> mode and ISO Auto are both set, see page 151 to set the exposure compensation.

1 Check the exposure.

- Press the shutter button halfway (⏱4) and check the exposure level indicator.

2 Set the compensation amount.

- While looking at the viewfinder or LCD panel, turn the <◎> dial.
- If it cannot be set, set the <LOCK> switch downward, then turn the <◎> dial.

▶ For exposure compensation, the <☒> icon will be displayed in the viewfinder and on the LCD panel.

Increased exposure for a brighter image

Decreased exposure for a darker image

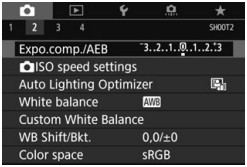
3 Take the picture.

- To cancel exposure compensation, set the exposure level indicator <▮/▮> to the standard exposure index (<▼/▼>).

Auto Exposure Bracketing (AEB)☆

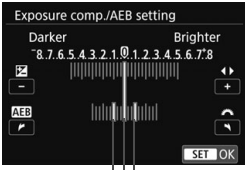
By changing the shutter speed, aperture, or ISO speed automatically, you can bracket the exposure up to ±3 stops in 1/3-stop increments for three consecutive shots. This is called AEB.

* AEB stands for Auto Exposure Bracketing.



1 Select [Expo.comp./AEB].

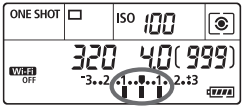
- Under the [2] tab, select [**Expo.comp./AEB**], then press <SET>.



AEB range

2 Set the AEB range.

- Turn the <⊛> dial to set the AEB range. By pressing the <◄> <►> keys, you can set the exposure compensation amount.
- Press <SET> to set it.
- ▶ When you exit the menu, the AEB range will be displayed on the LCD panel.



Standard exposure

Decreased exposure

Increased exposure

3 Take the picture.

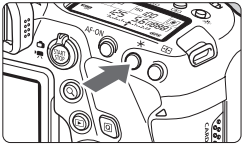
- Three bracketed shots will be taken according to the drive mode set in this sequence: Standard exposure, decreased exposure, and increased exposure.
- AEB will not be automatically canceled. To cancel AEB, follow step 2 to turn off the AEB range display.

✱ Locking the Exposure for Shooting (AE Lock)☆

You can lock the exposure when you want to set the focus and exposure separately or when you are to take multiple shots at the same exposure setting. Press the <✱> button to lock the exposure, then recompose and take the picture. This is called AE lock. It is effective for shooting backlit subjects, etc.

1 Focus on the subject.

- Press the shutter button halfway.
- ▶ The exposure setting will be displayed.



2 Press the <✱> button (⏱4).

- ▶ The <✱> icon lights up in the viewfinder to indicate that the exposure setting is locked (AE lock).
- Each time you press the <✱> button, the current exposure setting is locked.

3 Recompose and take the picture.

- When you are to take more pictures while maintaining the AE lock, keep holding down the <✱> button and press the shutter button to take another picture.

AE Lock Effects

Metering Mode	AF Point Selection Method (p.111, 112)	
	Automatic Selection	Manual Selection
⊞	AE lock is applied at the AF point that achieved focus.	AE lock is applied at the selected AF point.
⊡ ⊙ ⬚	AE lock is applied at the center AF point.	

* When the <⊞> mode is set and the lens's focus mode switch is set to <**MF**>, AE lock is applied with the exposure weighted on the center AF point.

ϟ Flash Photography

EOS-dedicated, EX-series Speedlites

Using an EX-series Speedlite (sold separately) makes flash photography easy.
For operation procedures, refer to the EX-series Speedlite's Instruction Manual. This camera is a Type-A camera that can use all the features of EX-series Speedlites.

Shoe-mount Speedlites

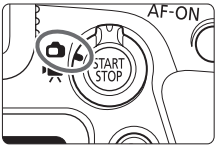
Macro Lites

- **Flash exposure compensation**
  You can adjust the flash output (flash exposure compensation) with Quick Control (p.54) or with [**Flash function settings**] under [**1: External Speedlite control**]. You can set flash exposure compensation up to ±3 stops in 1/3-stop increments.

- **FE lock**
  This enables you to attain an appropriate flash exposure for a specific part of the subject. Aim the viewfinder center over the subject, press the camera's <✱> button, then compose the shot and take the picture.

7

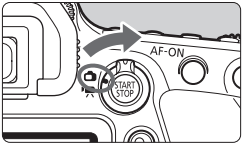
Shooting with the LCD Monitor (Live View Shooting)



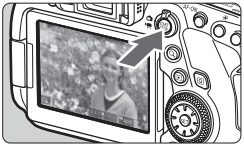
You can shoot while viewing the image on the camera's LCD monitor. This is called "Live View shooting".
Live View shooting is enabled by setting the Live View shooting/ Movie shooting switch to <📷>.

- If you handhold the camera and shoot while viewing the LCD monitor, camera shake may cause blurred images. Using a tripod is recommended in such cases.

Shooting with the LCD Monitor



1 Set the Live View shooting/Movie shooting switch to <📷>.



2 Display the Live View image.

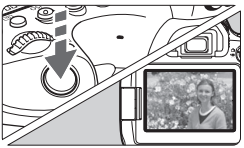
- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- The Live View image will be displayed in the brightness level closely matching that of the actual image to be captured.

3 Select a shooting mode.

- Turn the Mode Dial to select the shooting mode.

4 Focus on the subject.

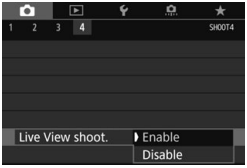
- When you press the shutter button halfway, the camera will focus with the current AF method (p.164).
- You can also tap on the screen to select the face or subject (p.169).



5 Take the picture.

- Press the shutter button completely.
- ▶ The picture is taken and the captured image is displayed on the LCD monitor.
- ▶ When the playback display ends, the camera will return to Live View shooting automatically.
- Press the <START/STOP> button to exit Live View shooting.

Enabling Live View Shooting



Set [**4: Live View shoot.**] (under the [**1**] tab in Basic Zone modes) to [**Enable**].

Number of Possible Shots with Live View Shooting

(Approx. number of shots)

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible Shots	380	340

- The figures above are based on a fully-charged Battery Pack LP-E6N and CIPA (Camera & Imaging Products Association) testing standards.
- With Battery Grip BG-E21 (sold separately) loaded with two LP-E6N battery packs, the number of possible shots will be approximately doubled.
- With a fully-charged Battery Pack LP-E6N, the continuous Live View shooting time will be as follows: At room temperature (23°C/73°F): Approx. 3 hr. 10 min., At low temperatures (0°C/32°F): Approx. 2 hr. 50 min.

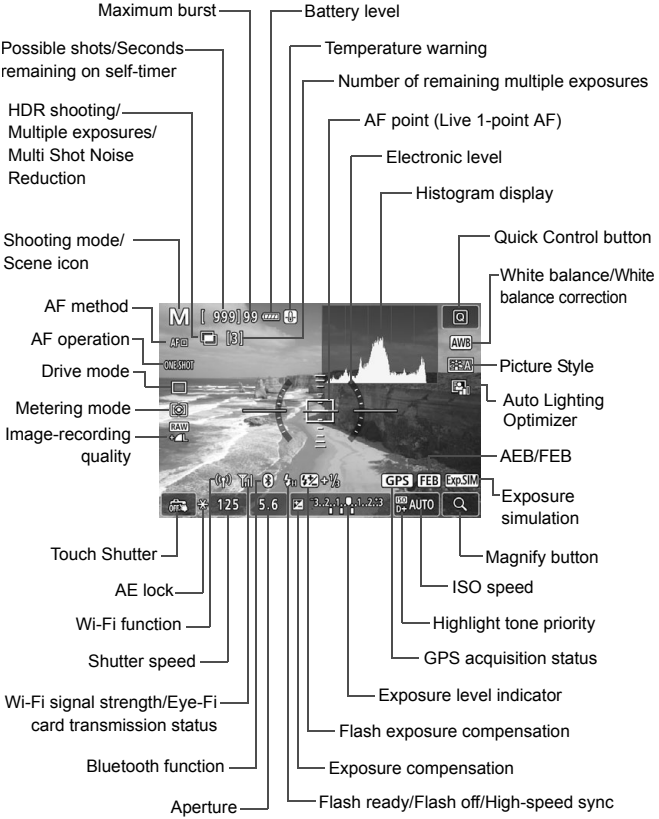
⚠ Warnings

Do not hold the camera in the same position for long periods of time.
Even if the camera does not feel too hot, prolonged contact with the same body part may cause skin redness or blistering due to low-temperature contact burns. Using a tripod is recommended when using the camera in very hot places or for people with circulation problems or poor skin sensation.

Do not point the camera toward an intense light source, such as the sun or an intense artificial light source. Doing so may damage the image sensor or the camera's internal components.

Information Display

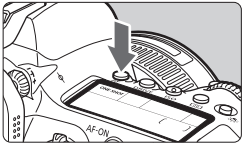
Each time you press the <INFO> button, the information display will change.



- The display will show only the settings currently applied.

Selecting the AF Operation ☆

You can select the AF operation characteristics to suit the shooting conditions or subject. In Basic Zone modes, the optimum AF operation is set automatically for the respective shooting mode.



1 Press the <AF> button.

2 Select the AF operation.

- Press the <◀> <▶> keys to select the desired AF operation, then press <(SET)>.

  ONE SHOT : One-Shot AF
  SERVO : Servo AF

3 Focus on the subject.

- Aim the AF point over the subject and press the shutter button halfway. The camera will then autofocus in the selected AF operation.

One-Shot AF for Still Subjects

Suited for still subjects. When you press the shutter button halfway, the camera will focus only once.

- When focus is achieved, the AF point will turn green and the beeper will sound.
- The focus remains locked while you hold down the shutter button halfway, allowing you to recompose the image before taking the picture.
- When the drive mode is set to <□H> for **high-speed continuous shooting**, the maximum continuous shooting speed is **approx. 6.5 shots/sec.**
- When the drive mode is set to <□> for **low-speed continuous shooting**, the maximum continuous shooting speed is **approx. 3.0 shots/sec.**
- **When an external Speedlite is used,** the continuous shooting speed will become slower. Regardless of the <□H> and <□> settings, the maximum continuous shooting speed will be **approx. 1.7 shots/sec.**

Servo AF for Moving Subjects

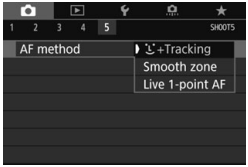
This AF operation is suited for moving subjects. While you hold down the shutter button halfway, the camera will keep focusing on the subject continuously.

- When focus is achieved, the AF point will turn blue.
- The exposure is set at the moment the picture is taken.
- When [**5: AF method**] is set to [**+Tracking**] or [**Smooth zone**], focusing will be continuous as long as the Area AF frame or Zone AF frame keeps tracking the subject.
- When the drive mode is set to <H> for **high-speed continuous shooting**, the maximum continuous shooting speed is **approx. 4.0 shots/sec.** The pictures will be taken with priority given to the continuous shooting speed.
- When the drive mode is set to < > for **low-speed continuous shooting**, the maximum continuous shooting speed is **approx. 3.0 shots/sec.** The pictures will be taken with priority given to subject tracking.
- When an external Speedlite is used, the continuous shooting speed will become slower. Regardless of the <H> and < > settings, the maximum continuous shooting speed will be **approx. 1.7 shots/sec.**

Focusing with AF (AF Method)

Selecting the AF Method

You can set the AF method to [**+Tracking**] (p.165), [**Smooth zone**] (p.167), or [**Live 1-point AF**] (p.168) to suit the shooting conditions and subject.
If you want to focus manually, set the lens's focus mode switch to <**MF**>, magnify the image, and focus manually.



Select the AF method.

- Under the [**5**] tab, select [**AF method**]. (For movie shooting, it is under the [**4**] tab. In Basic Zone modes, under the [**2**] tab.)
- Select the desired AF method, then press <SET>.
- While the Live View image is displayed, you can also select the AF method by pressing the <AF> button and turning the <> dial.

(face)+Tracking: AF

The camera detects and focuses on human faces. If a face moves, the AF point <[ ]> also moves to track the face.

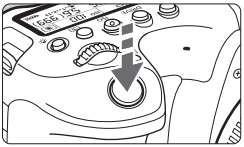
1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- ▶ The Area AF frame will appear.

Area AF frame

2 Check the AF point.

- When a face is detected, <[ ]> will appear over the face to be focused on.
- If multiple faces are detected, <[ ]> will be displayed. Use <⊕> to move <[ ]> over the face you want to focus on.
- You can also tap on the LCD monitor screen to select the face or subject. If you tap on a subject other than a human face, the AF point will switch to <AF>.



3 Focus on the subject.

- Press the shutter button halfway to focus.
- ▶ If no faces can be detected or if you do not tap anything on the screen, focus will be achieved within the Area AF frame.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.
- ▶ If focus is not achieved, the AF point will turn orange.

4 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.158).

- **Focusing on a subject other than a human face**
  - Tap on the subject (or spot) where you want to focus.
  - Press the <SET> or <🗑> button and the AF point <⊡> will appear on the screen, and the AF point can be moved with <✥>.
  - Once the AF point <⊡> achieves focus, the AF point will also move to track the subject if you change the composition or if the subject moves.

Smooth Zone: AF( )

Focus can be achieved with a larger area (Zone AF frame) than the AF point of [**Live 1-point AF**] (p.168).

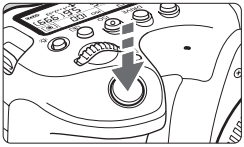
Zone AF frame

1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- ▶ The Zone AF frame will appear.

2 Select the AF point.

- Use <✥> to move the Zone AF frame to where you want to focus. (It cannot go to the edge of the screen.)
- Pressing <SET> or the <🗑> button will return the Zone AF frame to the screen center.
- You can also touch the LCD monitor screen to move the Zone AF frame.



3 Focus on the subject.

- Aim the Zone AF frame over the subject and press the shutter button halfway.
- ▶ When focus is achieved, the AF points achieving focus will turn green and the beeper will sound.
- ▶ If focus is not achieved, the Zone AF frame will turn orange.

4 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.158).

Live 1-point AF: AF □

The camera focuses with a single AF point. This is effective when you want to focus on a particular subject.

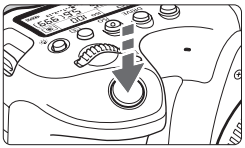
AF point

1 Display the Live View image.

- Press the <START STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- ▶ The AF point <□> will appear.

2 Move the AF point.

- Use <✥> to move the AF point to where you want to focus. (It cannot go to the edge of the screen.)
- Pressing <SET> or the <🗑> button will return the AF point to the screen center.
- You can also touch the LCD monitor screen to move the AF point.



3 Focus on the subject.

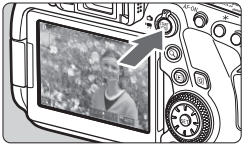
- Aim the AF point over the subject and press the shutter button halfway.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.
- ▶ If focus is not achieved, the AF point will turn orange.

4 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.158).

Shooting with the Touch Shutter

Just by tapping on the LCD monitor screen, you can focus and take the picture automatically.



1 Display the Live View image.

- Press the < START/STOP > button.
- ▶ The Live View image will appear on the LCD monitor.

2 Enable the Touch Shutter.

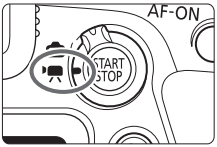
- Tap [OFF] on the screen's bottom left. Each time you tap on the icion, it will toggle between [OFF] and [ ].
- [ ] (Touch Shutter: Enable)
  The camera will focus on the spot you tap on, then the picture will be taken.
- [OFF] (Touch Shutter: Disable)
  You can tap on a spot to perform focusing on the spot. Press the shutter button completely to take the picture.

3 Tap on the screen to shoot.

- Tap on the face or subject on the screen.
- ▶ On the point you tap, the camera will focus (Touch AF) with the AF method that was set (p.164-168).
- ▶ When [ ] is set, the AF point turns green when focus is achieved, then the picture is taken automatically.
- ▶ If focus is not achieved, the AF point turns orange and the picture cannot be taken. Tap on the face or subject on the screen again.

8

Shooting Movies



Movie shooting is enabled by setting the Live View shooting/ Movie shooting switch to <🎥>.

- **Before shooting movies, see page 179 and make sure the card is able to record movies at the desired movie-recording quality setting.**
- If you handhold the camera and shoot movies, camera shake can cause blurred movies. Using a tripod is recommended in such cases.

Full HD 1080

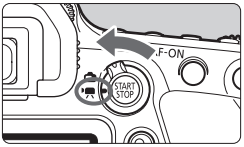
Full HD 1080 indicates compatibility with High-Definition featuring 1080 vertical pixels (scanning lines).

FULL HD 1080

Shooting Movies

Autoexposure Shooting

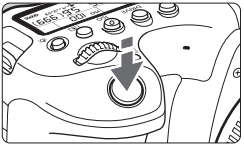
When the shooting mode is set to <A+>, <CA>, <P>, <Tv>, <Av>, or <B>, autoexposure control will take effect to suit the scene's current brightness.



1 Set the Live View shooting/Movie shooting switch to <>.

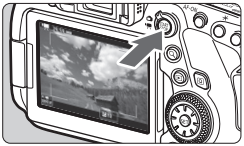
▶ The Live View image will appear on the LCD monitor.

2 Set the Mode Dial to <A+>, <CA>, <P>, <Tv>, <Av>, or <B>.



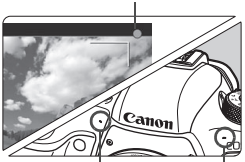
3 Focus on the subject.

- Before shooting a movie, focus with AF (p.164) or manual focus.
- By default, [**4: Movie Servo AF**] is set to [**Enable**] so that the camera always keeps focusing.
- When you press the shutter button halfway, the camera will focus with the current AF method.



4 Shoot the movie.

- Press the <START/STOP> button to start shooting a movie.
- ▶ While the movie is being shot, the "●" mark will be displayed on the upper right of the screen.
- ▶ Stereo sound is recorded by the built-in microphones.
- To stop shooting the movie, press the <START/STOP> button again.



ISO Speed in the <A+> and <CA> Modes

- The ISO speed will be set automatically within ISO 100 - ISO 25600.

ISO Speed in the <P>, <Tv>, <Av>, and <B> Modes

- The ISO speed will be set automatically within ISO 100 - ISO 25600.
- Under [**2: ISO speed settings**], if you set [**ISO Auto**] to [**Max.:H2 (102400)**], the maximum limit of the automatic ISO speed setting range will be expanded to H2 (equivalent to ISO 102400). If you select [**Max.:6400**] or [**Max.:12800**], you can narrow the automatic ISO speed setting range (maximum limit is lowered).
- If [**3: Highlight tone priority**] is set to [**Enable**] (p.135), the automatic ISO speed setting range's minimum limit will be ISO 200. Also, even if [**ISO Auto**] is set to [**Max.: H1 (51200)**] or [**Max.: H2 (102400)**], the maximum limit will not be expanded.

⚠ **Warnings**

Do not hold the camera in the same position for long periods of time. Even if the camera does not feel too hot, prolonged contact with the same body part may cause skin redness or blistering due to low-temperature contact burns. Using a tripod is recommended when using the camera in very hot places or for people with circulation problems or poor skin sensation.

Do not point the camera toward an intense light source, such as the sun or an intense artificial light source. Doing so may damage the image sensor or the camera's internal components.

Manual Exposure Shooting

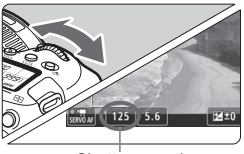
You can manually set the shutter speed, aperture, and ISO speed for movie shooting. Using manual exposure to shoot movies is for advanced users.

1 Set the Live View shooting/Movie shooting switch to <>.

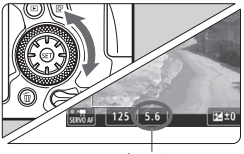
2 Set the Mode Dial to <M>.

3 Set the ISO speed.

- Press the <ISO> button.
- ▶ The ISO speed setting screen will appear on the LCD monitor.
- Turn the <> or <> dial to set it.
- For details on the ISO speed, see the next page.



Shutter speed



Aperture

4 Set the shutter speed and aperture.

- Press the shutter button halfway and check the exposure level indicator.
- To set the shutter speed, turn the <> dial. To set the aperture, turn the <> dial.
- The settable shutter speeds vary depending on the frame rate.

5 Focus and shoot the movie.

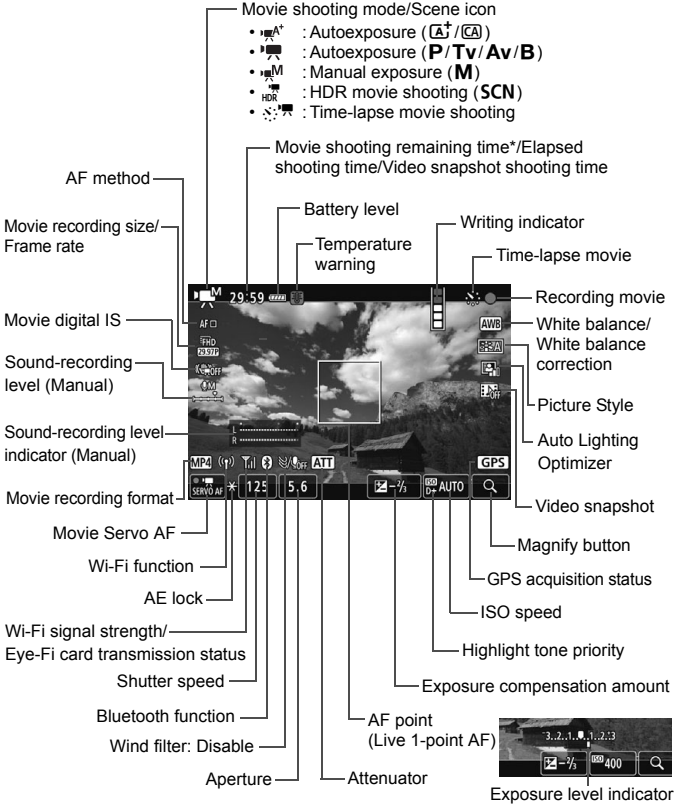
- The procedure is the same as steps 3 and 4 for “Autoexposure Shooting” (p.172).

ISO Speed in the <M> Mode

- With [**AUTO**] (**A**), the ISO speed will be set automatically within ISO 100 - ISO 25600. Under [**2: ISO speed settings**], if you set [**ISO Auto**] to [**Max.:H2 (102400)**], the maximum limit of the automatic ISO speed setting range will be expanded to H2 (equivalent to ISO 102400). If you select [**Max.:6400**] or [**Max.:12800**], you can narrow the automatic ISO speed setting range (maximum limit is lowered).
- You can set the ISO speed manually within ISO 100 - ISO 25600 in 1/3-stop increments. Under [**2: ISO speed settings**], if you set [**Maximum**] to [**H2 (102400)**] for [**ISO speed range**], the maximum limit for the manual ISO speed setting range will be expanded to H2 (equivalent to ISO 102400). Note that you can also set the [**Maximum**] and [**Minimum**] to a range narrower than the default range (ISO 100 - ISO 25600).
- If [**3: Highlight tone priority**] is set to [**Enable**] (p.135), the automatic and manual ISO speed setting range's minimum limit will be ISO 200. Also, even if the ISO speed's maximum limit is set to be expanded to [**H1 (ISO 51200)**] or [**H2 (ISO 102400)**], the maximum limit will not be expanded.

Information Display

Each time you press the <INFO> button, the information display will change.



* Applies to a single movie clip.

- The display will show only the settings currently applied.

MENU Setting the Movie Recording Quality

With [**1: Movie rec. size]**, you can set the movie recording quality (image size, frame rate, and compression method). The movie will be recorded as an MP4 file.
The frame rate displayed on the [**1: Movie rec. size**] screen switches automatically depending on the [**3: Video system**] setting.

The card's writing and reading speeds required for recording movies vary depending on the movie recording quality. Before shooting movies, see page 179 to check the performance requirements of the card.

Movie Recording Size

- **Image size**

  FHD 1920x1080
  The movie will be recorded in Full High-Definition (Full HD) quality. The aspect ratio is 16:9.

  HD 1280x720
  The movie will be recorded in High-Definition (HD) quality. The aspect ratio is 16:9.

- **Frame rate** (fps: frame per second)

  59.94P **59.94fps**/29.97P **29.97fps**
  For areas where the TV system is NTSC (North America, Japan, South Korea, Mexico, etc.).

  50.00P **50.00 fps**/25.00P **25.00 fps**
  For areas where the TV system is PAL (Europe, Russia, China, Australia, etc.).

  23.98P **23.98 fps**
  Selectable when [**3: Video system**] is set to [**For NTSC**]. Mainly for motion pictures.

- **Compression method**

  IPB **IPB** (Standard)
  Compresses multiple frames at a time efficiently for recording.

  IPB **IPB** (Light)
  Since the movie is recorded at a bit rate lower than with IPB (Standard), the file size will be smaller than with IPB (Standard) and the playback compatibility will be higher. This will make the possible shooting time longer than with IPB (Standard) (with a card having the same capacity).

- **Movie recording format**

  MP4 **MP4**
  The movie will be recorded in the MP4 format (file extension ".MP4"). This file format provides higher compatibility for playback than with MOV.

Cards that Can Record Movies

When shooting movies, use a large-capacity card with a writing/reading speed (required card performance) shown in the table below or higher than the standard specification. Test the card by taking a few movies in the desired quality (p.177) and make sure the card can properly record the movie.

Movie Recording Quality				SD Card
Normal movie				
FHD	59.94P 50.00P	IPB	MP4	SD Speed Class 10 or higher
	29.97P 25.00P 23.98P HDR movies			SD Speed Class 6 or higher
	29.97P 25.00P	IPB		SD Speed Class 4 or higher
HD	59.94P 50.00P	IPB		SD Speed Class 6 or higher
	29.97P 25.00P	IPB		SD Speed Class 4 or higher
Time-lapse movie				
4K	29.97P 25.00P	MJPG	MOV	UHS-I 90 MB/sec. or faster
FHD		ALL-I		UHS-I Speed Class 3 or higher

* The required card performance for time-lapse movies applies to reading speed.

Total Movie Recording Time and File Size Per Minute

● Normal movie

(Approx.)

Movie Recording Quality		Total Possible Recording Time on Card			File Size
		8 GB	32 GB	128 GB	
FHD: Full HD movie					
59.94P 50.00P	IPB	17 min.	70 min.	283 min.	431 MB/min.
29.97P 25.00P 23.98P	IPB	35 min.	140 min.	563 min.	216 MB/min.
HDR Movie	IPB	35 min.	140 min.	563 min.	216 MB/min.
29.97P 25.00P	IPB ⬇	86 min.	347 min.	1391 min.	87 MB/min.
HD: HD movie					
59.94P 50.00P	IPB	40 min.	162 min.	649 min.	184 MB/min.
29.97P 25.00P	IPB ⬇	250 min.	1001 min.	4004 min.	30 MB/min.

● Time-lapse movie

(Approx.)

Movie Recording Quality		Total Possible Recording Time on Card			File Size
		8 GB	32 GB	128 GB	
4K: 4K Time-lapse movie					
29.97P 25.00P	MJPG	2 min.	8 min.	34 min.	3576 MB/min.
FHD: Full HD Time-lapse movie					
29.97P 25.00P	ALL-I	11 min.	47 min.	189 min.	643 MB/min.

9

Image Playback

This chapter describes the basic procedures to play back the captured images and movies.

Images shot and saved with another device

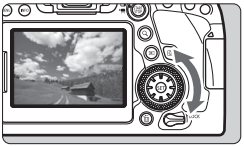
The camera may not be able to properly display images captured with a different camera, edited with a computer, or that have had their file names changed.

▶ Image Playback

Single-Image Display

1 Play back the image.

- Press the <▶> button.
- ▶ The last image captured or played back will appear.

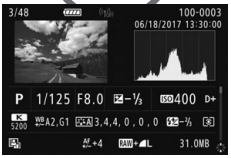


2 Select an image.

- To play back images starting with the last image captured, turn the <◎> dial counterclockwise. To play back images starting with the first captured image, turn the dial clockwise.
- Each time you press the <INFO> button, the display will change.

No information

Basic information display



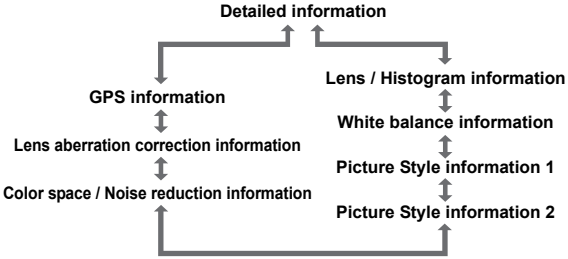
Shooting information display

3 Exit the image playback.

- Press the <▶> button to exit the image playback and return to shooting-ready state.

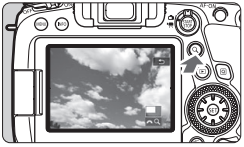
Shooting Information Display

With the shooting information screen displayed (p.182), you can press the <▲> <▼> keys to change the shooting information displayed at the screen bottom as follows.



Index display (Multiple-image Display)

Search for images quickly with the index display showing 4, 9, 36, or 100 images on one screen.



1 Press the <Q> button.

- During image playback or when the camera is ready to shoot, press the <Q> button.
- ▶ [Q] will be displayed on the lower right of the screen.

2 Switch to the index display.

- Turn the < > dial counterclockwise.
- ▶ The 4-image index display will appear. The selected image is highlighted with an orange frame.

- Turning the < > dial further counterclockwise will switch the display from 9 images, 36 images, and to 100 images. If you turn the dial clockwise, it will rotate through 100, 36, 9, 4, and single-image display.

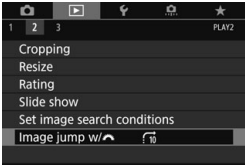
3 Select an image.

- Operate the < > dial or < > to move the orange frame and select the image.
- Press the <Q> button to turn off the [Q] icon, then turn the < > dial to display the image(s) on the next or previous screen.

- Press <SET> in the index display to display the selected image in the single-image display.

Jump Display (Jumping Through Images)

In the single-image display, you can turn the <⊙> dial to jump through the images forward or backward according to the jump method set.



1 Select [Image jump w/⊙].

- Under the [▶2] tab, select **[Image jump w/⊙]**, then press <SET>.

2 Select the jump method.

- Select the jump method, then press <SET>.

  : Display images one by one

  : Jump by 10 images

  : Jump images by the specified number

  : Display by date

  : Display by folder

  : Display movies only

  : Display stills only

  : Display protected images only

  : Display by image rating

Jump method

Playback position

3 Browse by jumping.

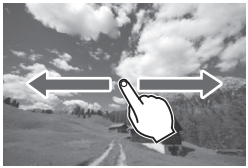
- Press the <▶> button to play back images.
- In the single-image display, turn the <⊙> dial.

▶ You can browse by the set method.

Playing Back with the Touch Screen

The LCD monitor is a touch-sensitive panel that you can touch with your fingers for various playback operations. **First, press the <▶> button to play back images.**

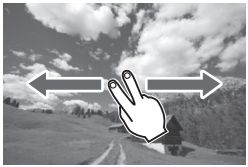
Browsing Images



Swipe with one finger.

- With single-image display, touch the LCD monitor with **one finger**. You can browse to the next or previous image by swiping your finger to the left or right.
  Swipe to the left to see the next (newer) image, or swipe to the right to see the previous (older) image.
- With index display, also touch the LCD monitor with **one finger**. You can browse to the next or previous screen by swiping your finger up or down.
  Swipe up to see the next (newer) images or swipe down to see the previous (older) images.
  When you select an image, the orange frame will appear. Tap on the image again to display it as a single image.

Jumping through Images (Jump Display)



Swipe with two fingers.

Touch the LCD monitor with **two fingers**. When you swipe two fingers to the left or right, you can jump through images with the method set in **[Image jump w/]** under the [▶**2**] tab.

Reducing Image (Index Display)

Pinch two fingers.

Touch the screen with two fingers spread apart, and pinch your fingers together on the screen.

- Each time you pinch your fingers, the image will shrink. If you pinch the single-image display, it will change to the 4-image index display.

- When you select an image, the orange frame will appear. Tap on the image again to display it as a single image.

Magnifying Image

Spread two fingers apart.

Touch the screen with two fingers together, then spread your fingers apart on the screen.

- As you spread your fingers, the image will be magnified.
- The image can be magnified up to approx. 10x.

- To reduce the image, pinch your fingers together on the screen.
- If you do this on a 4-image index display, it will change into the single-image display.

Double-tap.

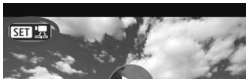
You can magnify the image by using one finger to quickly tap twice (double-tap) on the LCD monitor. The image will be magnified on the spot where you tap. To return to the single-image display, double-tap on the image again.

- To scroll around the position of magnified display in magnified view, touch the LCD monitor with one finger and move it around.

Playing Back Movies

1 Play back the image.

- Press the <▶> button to play back an image.



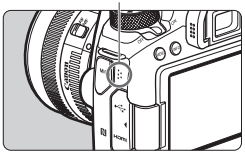
2 Select a movie.

- Turn the <◎> dial to select the movie to be played back.
- In the single-image display, the <SET> icon displayed on the upper left indicates a movie. If the movie is a video snapshot, <SET> will be displayed.
- In the index display, perforations at the left edge of a thumbnail indicate a movie. **As movies cannot be played back from the index display, press <(SET)> to switch to the single-image display.**

3 In the single-image display, press <(SET)>.

▶ The movie playback panel will appear at the bottom of the screen.

Speaker



4 Play back the movie.

- Select [▶] (Play), then press <(SET)>.
- ▶ The movie will start playing back.
- You can pause the playback by pressing <(SET)>. Press it again to resume the playback.
- You can adjust the sound volume even during movie playback by turning the <⁄⁄> dial.
- For more details on the playback procedure, see the next page.

Movie Playback Panel

Operation	Playback Description
▶ **Play***	Pressing <SET> toggles between playback and stop.
Slow motion	Adjusts the slow motion speed by turning the <◎> dial. The slow motion speed is indicated on the upper right of the screen.
First frame	Displays the movie's first frame.
Previous frame	Displays the previous frame each time you press <SET>. Holding <SET> down will rewind the movie.
Next frame	Plays the movie frame-by-frame each time you press <SET>. Holding <SET> down will fast forward the movie.
Last frame	Displays the movie's last frame.
♫ **Background music**	Plays back a movie with the selected background music.
✂ **Edit**	Displays the editing screen.
▬	Playback position
mm' ss"	Playback time (minutes:seconds)
Volume	Turn the <⊙> dial to adjust the volume of the built-in speaker (p.188).
MENU ↩	Returns to the single-image display when <MENU> button is pressed.

* For 4K time-lapse movie playback, the item name will be [**Play (Frame skip)**].

Playback with the Touch Screen

Tap [▶] at the center of the screen.

- ▶ The movie will start playing back.
- ● To pause the movie while it is playing back, tap on the screen. The movie playback panel will also appear.

Erasing Images

You can either select and erase unnecessary images one by one or erase them in one batch. Protected images will not be erased.

Once an image is erased, it cannot be recovered. Make sure you no longer need the image before erasing it. To prevent important images from being erased accidentally, protect them. Note that erasing a RAW+JPEG image will erase both the RAW and JPEG images.

Erasing a Single Image

1 Select the image to be erased.

- Press the <▶> button to play back images.
- Turn the <◎> dial to select the image to be erased.

2 Press the <🗑> button.

▶ The Erase menu will appear.

3 Erase the image.

- Select [**Erase**], then press <SET>. The image displayed will be erased.

10

Software Start Guide / Downloading Images to a Computer

This chapter describes about the EOS software, how to download and install the software, how to use the Software Instruction Manuals (PDF files), and how to transfer images to a computer.

Software Start Guide

Software Overview

You can download the following EOS software from the Canon Web site (p.194)**.**

You cannot install the EOS software to a computer without an Internet connection.

- **EOS Utility**

  With the camera connected to a computer, EOS Utility enables you to transfer still photos and movies shot with the camera to the computer. You can also use this software to set various camera settings and shoot remotely from the computer connected to the camera. Also, you can copy background music tracks, such as EOS Sample Music*, to the card.

  * You can use the background music as the soundtrack for a video snapshot album, movie, or slide show played back with your camera.

- **Digital Photo Professional**

  This software is recommended for users who shoot RAW images. You can view, edit, and print RAW and JPEG images.

  * Certain functions differ between the version to be installed on a 64-bit computer and that to be installed on a 32-bit computer.

- **Picture Style Editor**

  You can edit Picture Styles, and create and save original Picture Style files. This software is aimed at advanced users who are experienced in image processing.

- **Map Utility**
  Shooting locations can be displayed on a map on a computer screen by using the geotag location information recorded with GPS function.

- **EOS MOVIE Utility**
  This software enables you to play back the time-lapse movies you shot. You can also select time-lapse movie frames and save them as still photos (frame grab).

Downloading and Installing the Software

- **Do not connect the camera to a computer before you install the software. The software will not be installed correctly.**
- Even if a previous version of the software is installed on your computer, follow the procedure below to install the latest version. (The previous version will be overwritten.)

1 Download the software.

- Connect to the Internet from a computer and access the following Canon Web site.

  ▶ **www.canon.com/icpd**

- Select your country or region of residence and download the software.
- Decompress it on the computer.

  For Windows : Click the displayed installer file to start the installer.

  For Macintosh : A dmg file will be created and displayed. Follow the steps below to startup the installer.

  (1) Double-click the dmg file.
  ▶ A drive icon and installer file will appear on the desktop. If the installer file does not appear, double-click the drive icon to display it.

  (2) Double-click the installer file.
  ▶ The installer starts.

2 Follow the on-screen instructions to install the software.

Downloading the Software Instruction Manuals

Software Instruction Manuals (PDF files) can be downloaded from the Canon Web site to your computer.

- **Software Instruction Manual Download Site**

  ▶ **www.canon.com/icpd**

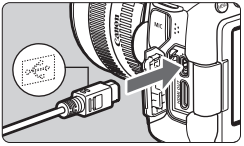
- **To view the Instruction Manuals (PDF files), Adobe Acrobat Reader DC or other Adobe PDF viewer (most recent version recommended) is required.**
- Adobe Acrobat Reader DC can be downloaded for free from the Internet.
- Double-click a downloaded Instruction Manual (PDF file) to open it.
- To learn how to use PDF viewing software, refer to the software's Help section.

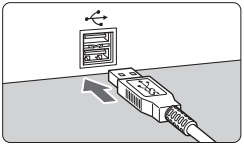
Downloading Images to a Computer

You can use EOS software to download images from the camera to a computer. There are two ways to do this.

Downloading by Connecting the Camera to the Computer

1 Install the software (p.194)**.**





2 Use the interface cable (sold separately) to connect the camera to the computer.

- Connect the cable to the camera's digital terminal with the cable plug's <⭠> icon facing the front of the camera.
- Connect the cord's plug to the computer's USB terminal.

3 Use EOS Utility to download the images.

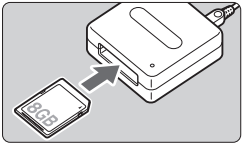
- Refer to the EOS Utility Instruction Manual (p.195).

With Wi-Fi connection established, the camera cannot communicate with the computer even if they are connected with an interface cable (sold separately).

Downloading Images with a Card Reader

You can use a card reader to download images to a computer.

1 Install the software (p.194)**.**



2 Insert the card into the card reader.

3 Use Digital Photo Professional to download the images.

- Refer to the Digital Photo Professional Instruction Manual (p.195).

When downloading images from the camera to a computer with a card reader without using EOS software, copy the DCIM folder on the card to the computer.

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- expat.h

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Digital Camera Model DS126631 Systems

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.

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.

The cable with the ferrite core provided with the digital camera must be used with this equipment in order to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

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.

Canon U.S.A. Inc.
One Canon Park, Melville, NY 11747, U.S.A.
Tel No. 1-800-OK-CANON (1-800-652-2666)

CAN ICES-3 (B) / NMB-3 (B)

USA and Canada only:
The Lithium ion/polymer battery that powers the product is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.

For CA, USA only
Included lithium battery contains Perchlorate Material – special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate/ for details.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATION.

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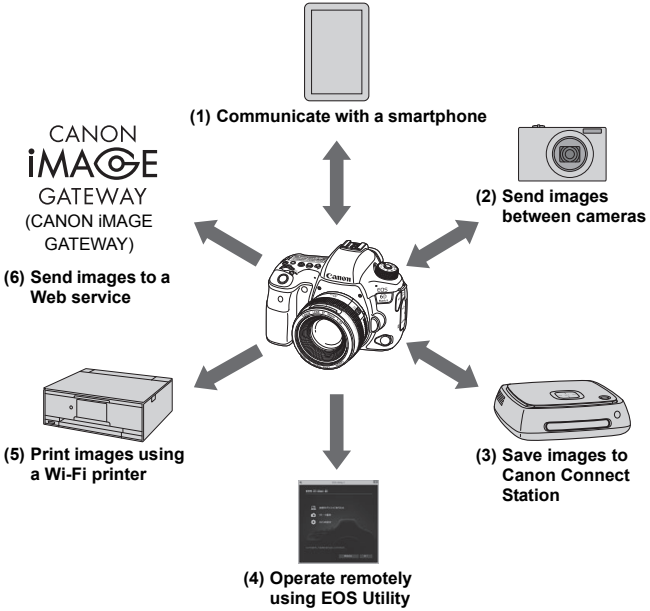
EOS 6D Mark II

Wi-Fi (Wireless Communication) Function Basic Instruction Manual

In Wi-Fi (Wireless Communication) Function Basic Instruction Manual, basic operation procedures for easy-to-use “Communicate with a smartphone” are explained.

Introduction

What You Can Do Using the Wi-Fi® (Wireless Communication) Functions



Before Using This Camera

Note that Canon cannot be held liable for any loss or damage from erroneous wireless communication settings when using the camera. In addition, Canon cannot be held liable for any other loss or damage caused by use of the camera.

When using wireless communication functions, establish appropriate security at your own risk and discretion. Canon cannot be held liable for any loss or damage caused by unauthorized access or other security breaches.

(1) Communicate with a smartphone (p.W-9)

Connect the camera to a smartphone or tablet via Wi-Fi and use the dedicated application “Camera Connect” to operate the camera remotely or view images stored in the camera.
In this manual and on the camera’s LCD monitor, “smartphone” refers to smartphones and tablets.

(2) Send images between cameras

Connect this camera and other Canon cameras with built-in wireless communication functions via Wi-Fi and send images between them.

(3) Save images to Connect Station

Hold the camera close to Connect Station (sold separately) to connect to it via Wi-Fi and save images to it.

(4) Operate remotely using EOS Utility

Connect the camera to a computer via Wi-Fi and operate the camera remotely using EOS Utility (EOS software).

(5) Print images using a Wi-Fi printer

Connect the camera to a printer supporting PictBridge (Wireless LAN) via Wi-Fi to print images.

(6) Send images to a Web service

Share images with your family and friends or share images using various Web services via CANON iMAGE GATEWAY, an online photo service for Canon users (free registration required).

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Connecting to a Bluetooth-connected Smartphone via Wi-Fi W-39

Wireless Communication Function Precautions W-41

Index W-43

For Troubleshooting guide and Specifications, refer to the Instruction Manual downloadable from the Canon Web site. For how to download the Instruction Manual, see page 4.

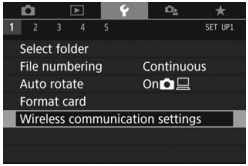
1

Getting Started

This section describes how to prepare a Bluetooth connection or Wi-Fi connection.

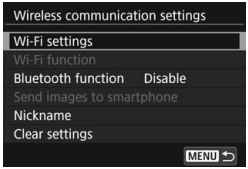
Setting Wi-Fi Settings

First, follow the steps below to set the Wi-Fi settings.

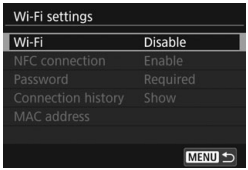


1 Select [Wireless communication settings].

- Press the <MENU> button, select [**Wireless communication settings**] under the [**1**] tab, then press <SET>.



2 Select [Wi-Fi settings].



3 Select [Wi-Fi].

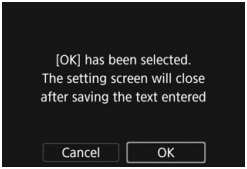
4 Select [Enable].

5 Register [Nickname].

- When the screen on the left appears, press <SET>.

▶ The screen on the left will appear.

- When using the displayed nickname, press the <MENU> button.
- Otherwise, enter any characters between 1 to 8 characters in length.
- When you finish entering characters, press the <MENU> button.



6 Exit the setting.

- When the screen on the left appears, select [**OK**], then press <SET>.

2

Connecting to a Smartphone via Wi-Fi

This section describes how to directly connect the camera to a smartphone via Wi-Fi.

Connecting to a smartphone via Wi-Fi enables you to perform the following:

- View images stored in the camera on a smartphone or save viewed images to a smartphone.
- Operate the camera to take a picture or change camera settings using a smartphone.
- Send images to a smartphone from the camera.

- You can also follow the instructions in Camera Connect's "Easy Connection Guide" to connect the camera to a smartphone via Wi-Fi.
- Set [**Wi-Fi**] to [**Enable**] on the [**Wi-Fi settings**] screen in advance (p.W-6).
- Install Camera Connect on the smartphone before setting up a connection (p.W-29).

Selecting the Wi-Fi Connection Method

You can select the following Wi-Fi connection methods according to the functions and usage status of the smartphone.

Connecting to a Bluetooth-compatible Smartphone via Wi-Fi (p.W-12)

- By connecting to a Bluetooth-compatible smartphone via Bluetooth in advance, you can connect via Wi-Fi simply by performing an operation on the camera and smartphone.

Connecting to an NFC-compatible Smartphone via Wi-Fi (p.W-20)

- You can automatically connect to an NFC-compatible smartphone via Wi-Fi by touching it to the camera.

Connecting to a Smartphone via Wi-Fi from the [Wi-Fi function] Menu (p.W-24)

- You can use Wi-Fi to connect to a smartphone that is not compatible with Bluetooth or NFC or a smartphone that cannot use its Bluetooth or NFC function.

Preparation for Smartphones

To connect the camera to a smartphone, a smartphone on which Android or iOS is installed is necessary. In addition, the dedicated application Camera Connect (free of charge) must be installed on the smartphone.

- When an NFC-compatible smartphone is touched to the camera before installing Camera Connect, the download screen of Camera Connect will be displayed on the smartphone.
- Camera Connect can be installed from the Google Play or App Store. The Google Play or App Store can also be accessed using the QR codes that appear when registering the camera to a smartphone (p.W-14, W-25).

Android

iOS

Connecting to a Bluetooth-compatible Smartphone via Wi-Fi

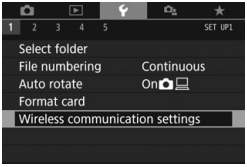
This section describes how to use the Bluetooth function to connect to a Bluetooth-compatible smartphone via Wi-Fi.

Bluetooth Connection

When you connect the camera to a Bluetooth-compatible smartphone via Bluetooth, you can establish a Wi-Fi connection by operating only the camera or the smartphone.
Note that pairing between the camera and smartphone is required to connect the camera to a smartphone via Bluetooth.

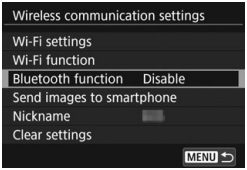
Establishing a Bluetooth Connection

Operation on the Camera-1

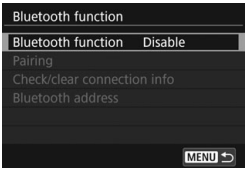


1 Select [Wireless communication settings].

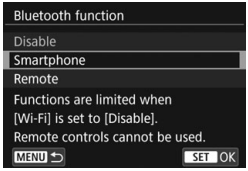
- Press the <MENU> button, select [**Wireless communication settings**] under the [**1**] tab, then press <SET>.



2 Select [Bluetooth function].

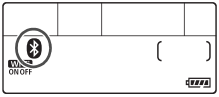


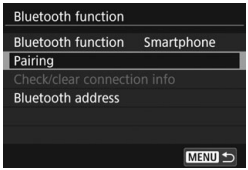
3 Select [Bluetooth function].



4 Select [Smartphone].

▶ <⊛> will be displayed on the camera's LCD panel.





5 Select [Pairing].

6 Select [Do not display].

- If Camera Connect is already installed, select [**Do not display**] and press <SET>.
- If Camera Connect is not installed, select [**Android**] or [**iOS**] on the screen on the left, scan the displayed QR code with the smartphone, then access Google Play or the App Store and install Camera Connect.

▶ The screen on the left will appear and pairing will start.

Operation on the Smartphone

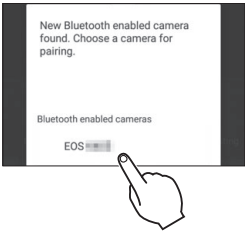
7 Enable the Bluetooth function.

- Enable the Bluetooth function on the settings screen of the smartphone.

8 Start Camera Connect.

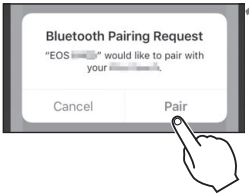
- Tap on the Camera Connect icon to start the application.

9 Select the camera to pair with.



- Tap on the nickname of the camera to be paired.
- ▶ If you are using an Android smartphone, proceed to step 11.

10 Tap on [Pair] (iOS only).



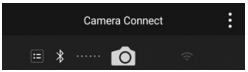
- When the screen on the left appears, tap on [**Pair**].

Operation on the Camera-2

11 Select [OK].

12 Press <(SET)>.

- Pairing will complete and the camera will be connected to the smartphone via Bluetooth.
- ▶ An illustration indicating that a Bluetooth connection has been established will appear on the main window of Camera Connect.

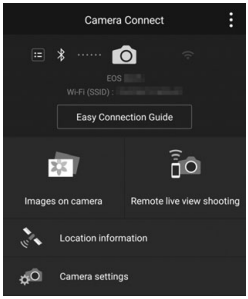


With a Bluetooth connection established, you can operate the camera to send images to the smartphone. For details, see page W-31.

Establishing a Wi-Fi Connection

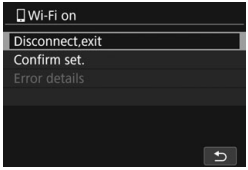
When a Bluetooth connection is established, follow the steps below to establish a Wi-Fi connection.

Android

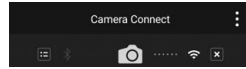


1 Select a Camera Connect function.

- Select the Camera Connect function you want to use.
- For the Camera Connect functions, see page W-29.

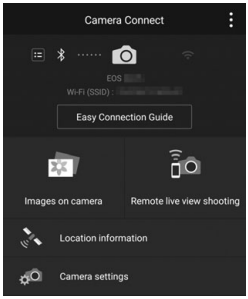


- A Wi-Fi connection will be established automatically.
- ▶ When a Wi-Fi connection is established, the screen for the selected function will appear.
- ▶ The [**Wi-Fi on**] screen will appear on the camera's LCD monitor.
- ▶ An illustration indicating that a Wi-Fi connection has been established will appear on the main window of Camera Connect.



The Wi-Fi connection to a Bluetooth-compatible smartphone is now complete.

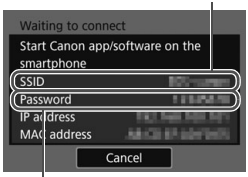
iOS



1 Select a Camera Connect function.

- Select the Camera Connect function you want to use.
- For the Camera Connect functions, see page W-29.

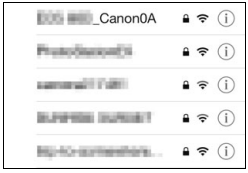
SSID (network name)



Password

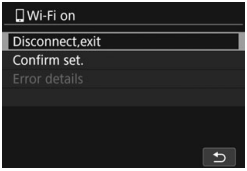
2 Check the SSID and password.

- Check the SSID (network name) and password displayed on the camera.



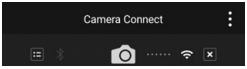
3 Operate the smartphone to establish a Wi-Fi connection.

- On the smartphone's Wi-Fi function screen, select the SSID checked in step 2.
- ▶ "**_Canon0A**" is displayed at the end of the SSID.
- For the password, enter the password checked in step 2.
- Display the Camera Connect screen.
- ▶ When a Wi-Fi connection is established, the screen for the selected function will appear.



▶ The [**Wi-Fi on**] screen will appear on the camera's LCD monitor.

▶ An illustration indicating that a Wi-Fi connection has been established will appear on the main window of Camera Connect.



The Wi-Fi connection to a Bluetooth-compatible smartphone is now complete.

- For how to terminate the Wi-Fi connection, see "Terminating the Wi-Fi Connection" (p.W-30).
- Terminating the Wi-Fi connection will switch the camera to the Bluetooth connection.

[Wi-Fi on] Screen

Disconnect,exit

- Terminates the Wi-Fi connection.

Confirm set.

- You can check the settings.

Error details

- When a Wi-Fi connection error occurs, you can check the details of the error.

To switch to the menu, press the <MENU> button.

Connecting to an NFC-compatible Smartphone via Wi-Fi

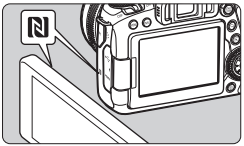
An NFC-compatible smartphone can be connected via Wi-Fi by touching it to the camera.
This section describes how to connect to an NFC-compatible smartphone via Wi-Fi.

- Smartphones labeled with the N mark are NFC-compatible.
- Some smartphones are NFC-compatible even if they are not labeled with the N mark. In such a case, check the NFC antenna position by referring to the smartphone's instruction manual.
- Set [**Wi-Fi**] to [**Enable**] and [**NFC connection**] to [**Enable**] on the [**Wi-Fi settings**] screen in advance (p.W-6).

A Wi-Fi connection may not be established with the NFC function even if the smartphone is NFC-compatible. In such a case, establish a Wi-Fi connection using the procedure in "Connecting to a Smartphone via Wi-Fi from the [**Wi-Fi function**] Menu" (p.W-24).

Establishing a Wi-Fi Connection

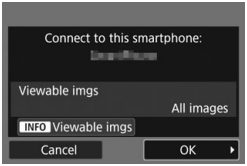
1 Enable the NFC function on the camera and smartphone.



2 Touch a smartphone to the camera.

- If the download site of Camera Connect appears on the smartphone, install Camera Connect (p.W-29).
- If an image is being played back on the camera, press the <▶> button to end the playback.
- Touch the N mark on the smartphone to that on the camera so that they come into contact with each other.
- **When a message indicating the connection is being established is displayed on the camera's LCD monitor**, move the smartphone away from the camera.

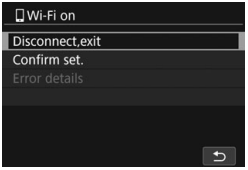
▶ Camera Connect starts on the smartphone and establishes a connection.

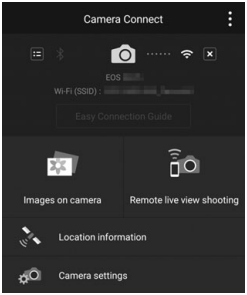


3 Establish a Wi-Fi connection.

▶ When a connection is established, the screen on the left will appear on the camera's LCD monitor. When connecting to the same smartphone via NFC, this screen will not appear again.

- If you select [**OK**] and press <SET>, a message indicating that the connection has been established is displayed and the [**Wi-Fi on**] screen is displayed.





▶ The main window of Camera Connect will be displayed on the smartphone.

The Wi-Fi connection to a smartphone is now complete.

▶ Operate the camera using Camera Connect. See page W-29.

- For how to terminate the Wi-Fi connection, see “Terminating the Wi-Fi Connection” (p.W-30).

[Wi-Fi on] Screen

Disconnect,exit

- Terminates the Wi-Fi connection.

Confirm set.

- You can check the settings.

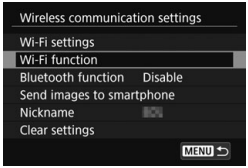
Error details

- When a Wi-Fi connection error occurs, you can check the details of the error.

To switch to the menu, press the <MENU> button.

Connecting to a Smartphone via Wi-Fi from the [Wi-Fi function] Menu

Operation on the Camera-1

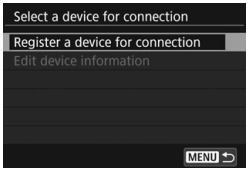


1 Select [Wi-Fi function].

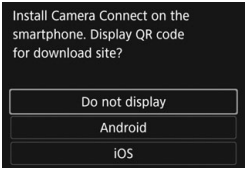
- Select [**Wi-Fi function**] on the [**Wireless communication settings**] screen, then press <SET>.

2 Select [ ] (Connect to smartphone).

- If the history (p.W-38) is displayed, switch the screen with the <◄> <►> keys.

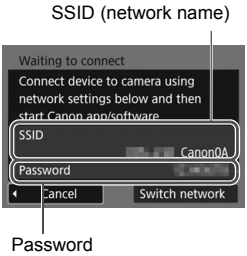


3 Select [Register a device for connection].



4 Select [Do not display].

- If Camera Connect is already installed, select [**Do not display**] and press <SET>.
- If Camera Connect is not installed, select [**Android**] or [**iOS**] on the screen on the left, scan the displayed QR code with the smartphone, then access Google Play or the App Store and install Camera Connect.



5 Check the SSID and password.

- Check the SSID (network name) and password displayed on the camera's LCD monitor.
- ▶ "**_Canon0A**" is displayed at the end of the SSID.

Operation on the Smartphone

Smartphone's screen (sample)

6 Operate the smartphone to establish a Wi-Fi connection.

- Activate the smartphone's Wi-Fi function, then select the SSID (network name) checked in step 5.
- For the password, enter the password checked in step 5.

7 Start Camera Connect.

- When the [**Waiting to connect**] screen is displayed on the camera's LCD monitor, start Camera Connect on the smartphone.

8 Select the camera to connect to via Wi-Fi.

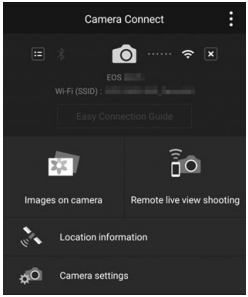
- Select and tap on the camera to connect to via Wi-Fi from [**Cameras**] on Camera Connect.

Operation on the Camera-2

9 Establish a Wi-Fi connection.

▶ When a connection is established, the screen on the left will appear on the camera's LCD monitor.

- If you select [**OK**] and press <SET>, a message indicating that the connection has been established is displayed and the [**Wi-Fi on**] screen is displayed.



▶ The main window of Camera Connect will be displayed on the smartphone.

The Wi-Fi connection to a smartphone is now complete.

▶ Operate the camera using Camera Connect. See page W-29.

- For how to terminate the Wi-Fi connection, see “Terminating the Wi-Fi Connection” (p.W-30).

[Wi-Fi on] Screen

Disconnect,exit

- Terminates the Wi-Fi connection.

Confirm set.

- You can check the settings.

Error details

- When a Wi-Fi connection error occurs, you can check the details of the error.

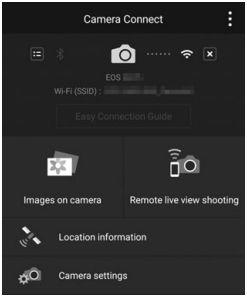
To switch to the menu, press the <MENU> button.

With a Wi-Fi connection established, you can send images to a smartphone from the camera menu ([**Send images to smartphone**]) or from the Quick Control screen during playback. For details, see page W-31.

Operating the Camera Using a Smartphone

You can use a smartphone with Camera Connect installed to view images stored in the camera or perform remote shooting, etc.

Camera Connect Main Window



The main functions of Camera Connect are described below.

Images on camera

- Images stored in the camera can be viewed.
- Images stored in the camera can be saved on a smartphone.
- Operations such as deletion can be performed on images stored in the camera.

Remote live view shooting

- The camera's Live View image can be viewed on a smartphone.
- You can shoot with remote operation.

Location information

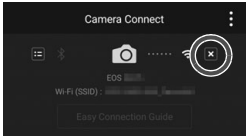
- Not supported on this camera.

Camera settings

- Camera settings can be changed.

Terminating the Wi-Fi Connection

To terminate the Wi-Fi connection, perform either of the following operations.



On the smartphone's Camera Connect screen, tap on [ ].

On the camera's [Wi-Fi on] screen, select [Disconnect,exit].

- If the [**Wi-Fi on**] screen is not displayed, select [**Wi-Fi function**] on the [**Wireless communication settings**] screen (p.W-13).
- Select [**Disconnect,exit**], then select [**OK**] on the confirmation dialog to terminate the Wi-Fi connection.

Sending Images to a Smartphone from the Camera

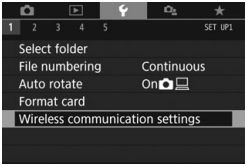
You can use the following methods to send images to a smartphone from the camera.

(1) Selecting [**Send images to smartphone**] to send images
(2) Sending images from the Quick Control screen during playback (p.W-33)
(3) Using the NFC function to send images during image playback (p.W-35)

(1) Selecting [Send images to smartphone] to Send Images

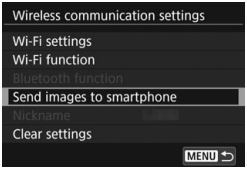
Select [**Send images to smartphone**] from the camera menu and send images.

1 Connect the camera to a smartphone via Bluetooth (Android only) or Wi-Fi (p.W-17)**.**



2 Select [Wireless communication settings].

- Under the [**1**] tab, select [**Wireless communication settings**], then press <SET>.



3 Select [Send images to smartphone].

▶ If you perform this step while connected via Bluetooth, a message is displayed and the connection switches to a Wi-Fi connection.

4 Select an image to send.

- Turn the <◎> dial to select an image to send, then press <SET>.
- By pressing the <🔍> button and turning the <⚙> dial counterclockwise, you can switch to the index display and select an image.

5 Select [Send img shown].

- To select a size at which to send the image, select [**Resize image**] and press <SET>.
- Select [**Send img shown**] and press <SET> to send the image displayed.

▶ When the transfer is complete, the screen for step 4 will reappear.

- To send another image, repeat steps 4 and 5.

(2) Sending Images from the Quick Control Screen During Playback

Send images from the Quick Control screen during playback.

1 Connect the camera to a smartphone via Bluetooth (Android only) or Wi-Fi (p.W-17)**.**

2 Play back the image.

- Press the <▶> button to play back images.

3 Press the <Q> button.

▶ The Quick Control screen will appear.

4 Select [ ].

▶ If you perform this step while connected via Bluetooth, a message is displayed and the connection switches to a Wi-Fi connection.

5 Select an image to send.

- Turn the <◎> dial to select an image to send, then press <SET>.
- By pressing the <🔍> button and turning the <⚙> dial counterclockwise, you can switch to index display and select an image.

6 Select [Send img shown].

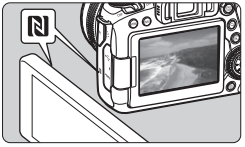
- To select a size at which to send the image, select [**Resize image**] and press <SET>.
- Select [**Send img shown**] and press <SET> to send the image displayed.
- ▶ When the transfer is complete, the screen for step 5 will reappear.
- To send another image, repeat steps 5 and 6.

(3) Using the NFC Function to Send Images During Image Playback

By touching an NFC-compatible smartphone to the camera while playing back an image on the camera, you can establish a Wi-Fi connection automatically and send the image to the smartphone even if a Bluetooth or Wi-Fi connection has not been established beforehand.

1 Play back the image.

- Press the <▶> button to play back images.



2 Touch a smartphone to the camera.

- Touch the N mark on the smartphone to that on the camera so that they come into contact with each other.
- When a message indicating the established connection is displayed on the camera's LCD monitor, move the smartphone away.

3 Select an image to send.

- Turn the <◎> dial to select an image to send, then press <SET>.
- By pressing the <Q> button and turning the <⚙> dial counterclockwise, you can switch to index display and select an image.

4 Select [Send img shown].

- To select a size at which to send the image, select [**Resize image**] and press <SET>.
- Select [**Send img shown**] and press <SET> to send the image displayed.
- ▶ When the transfer is complete, the screen for step 3 will reappear.
- To send another image, repeat steps 3 and 4.

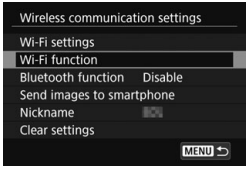
3

Reconnecting via Wi-Fi

This section describes how to reconnect the camera to a Smartphone for which you have already established a Wi-Fi connection.

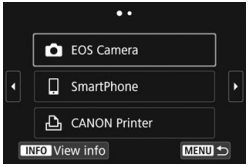
Reconnecting via Wi-Fi

Reconnect the camera via Wi-Fi to a Smartphone that you have connected to and registered connection settings for in the past.



1 Select [Wi-Fi function].

- Select [**Wi-Fi function**] on the [**Wireless communication settings**] screen, then press <SET>.



2 Select an item.

- Select the item to connect to via Wi-Fi from the displayed history. If the item is not displayed, press the <◀> <▶> keys to switch the screen.
- After selecting the item, press <SET>.

3 Operate the connected device.

- Activate the smartphone's Wi-Fi function, then start Camera Connect.
- If the smartphone's connection destination has been changed, restore the setting to connect via Wi-Fi to the camera.

▶ When directly connecting the camera to a smartphone via Wi-Fi, "**_Canon0A**" is displayed at the end of the SSID.

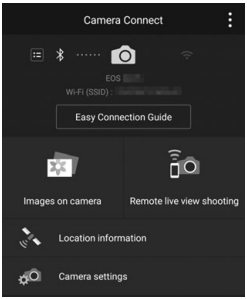
Connecting to a Bluetooth-connected Smartphone via Wi-Fi

With a Bluetooth connection established between the camera and a smartphone, follow the steps below to reconnect to the smartphone via Wi-Fi.

Android

1 Start Camera Connect.

- Tap on the Camera Connect icon on the smartphone to start the application.



2 Select a Camera Connect function.

- Select the Camera Connect function you want to use.
- A Wi-Fi connection will be automatically established. When a Wi-Fi connection is established, the screen for the selected function will appear.
- For the Camera Connect functions, see page W-29.

iOS

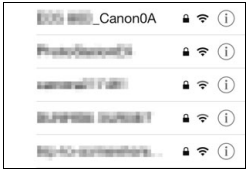
1 Start Camera Connect.

2 Select a Camera Connect function.

3 Check the SSID.

- Check the camera's SSID (network name) displayed on the smartphone.

Smartphone's screen (sample)



4 Operate the smartphone to establish a Wi-Fi connection.

- On the smartphone's Wi-Fi function screen, select the SSID checked in step 3.
- ▶ "**_Canon0A**" is displayed at the end of the SSID.
- Display the Camera Connect screen.
- ▶ When a Wi-Fi connection is established, the screen for the selected function will appear.

Wireless Communication Function Precautions

■ Countries and Regions Permitting Wireless Communication Function Use

Use of wireless communication functions is restricted in some countries and regions, and illegal use may be punishable under national or local regulations. To avoid violating wireless communication function regulations, visit the Canon Web site to check where use is allowed.
Note that Canon cannot be held liable for any problems arising from wireless communication function use in other countries and regions.

■ Model Number

EOS 6D Mark II: DS126631
(including WLAN module model: ES202, Bluetooth module model: WM500)

Complies with
IMDA Standards
DB00671

FCC/IC NOTICE
Model: DS126631 (including WLAN module: ES202, Bluetooth Module Model: WM500)

This device complies with Part 15 of FCC Rules and Industry Canada's licence-exempt RSSs. 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.

This device must not be co-located or operated in conjunction with any other antenna or device except Canon accessories supplied or designated for this product.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. This model has been tested and found to comply with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules.

Hereby, Canon Inc., declares that this DS126631 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.canon-europe.com/ce-documentation

Wi-Fi Frequency range:	2401 MHz - 2473 MHz
Wi-Fi Maximum output power:	9.48 dBm
Bluetooth Frequency range:	2402 MHz - 2480 MHz
Bluetooth Maximum output power:	7.14 dBm

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The descriptions in this Instruction Manual are current as of September 2017. For information on the compatibility with any products introduced after this date, contact any Canon Service Center. For the latest version Instruction Manual, refer to the Canon Web site.

CPB-E502-001
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