Canon

HF-DC2

キヤノン ハイパワーフラッシュ
ユーザーガイド
日本語

Canon High-Power Flash
User Guide
ENGLISH

Canon Drahtloses externes Blitzgerät
Benutzerhandbuch
DEUTSCH

Flash alta potencia Canon
Guía del usuario
ESPAÑOL

Flash haute puissance Canon
Guide de l'utilisateur
FRANÇAIS

Potente flash Canon
Guida per l'utente
ITALIANO

Вспышка повышенной мощности Canon
Руководство пользователя
РУССКИЙ

佳能高能量闪光灯 **使用说明书**
中文

在使用本产品之前，请务必先仔细阅读本使用说明书。
请务必妥善保管好本书，以便日后能随时查阅（保留备用）。
请在充分理解内容的基础上，正确使用。

ENGLISH

- This product is an external flash for Canon digital cameras. It can also be used as an external flash in HF-DC1-compatible cameras.
  For details on compatible cameras, see the Camera User Guide supplied with your camera.
- Make sure you read this guide, including the "Safety Precautions" section, before using the camera.
- Reading this guide will help you learn to use the camera properly.
- Store this guide safely so that you can use it in the future.

Checking the Package Contents

Before using this product, check that it includes the items below.
If any items are missing, please contact your dealer.
☐High-Power Flash (main unit)
☐Wide Panel
☐Bracket
☐Battery (CR123A)
☐Soft Case
☐User Guide (this manual)

Read This First

The High-Power Flash is an auxiliary flash capable of approximately twice* the flash shooting range with just a simple attachment operation to the camera.
If used when shooting in dim locations where the subject appears dark because light from the camera's built-in flash cannot reach the subject, this flash can enable brighter shooting of the subject in a flash shooting range that is approximately twice* as large.

* Compared to the available shooting range of the camera's built-in flash. Results vary depending on the lens specifications of your camera, aperture value when shooting, zoom setting, ISO sensitivity, and other factors.

Conventions Used in This Guide

- The High-Power Flash is referred to as the "flash".
- ①: This indicates important information that you need to know.
- ✐: This indicates hints and other additional information for maximizing flash performance.

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Table of Contents

Safety Precautions

• Before using the product, please ensure that you read the safety precautions described below. Always ensure that the product is used correctly.

• The safety precautions noted on the following pages are intended to prevent injuries to yourself and other persons, or damage to the equipment.

⚠ **Warning** Denotes the possibility of serious injury or death.

• **Do not trigger the flash in close proximity to people's eyes.**
Exposure to the intense light produced by the flash could damage eyesight. In particular, remain at least one meter (39 inches) away from infants when using the flash.

• **Store this equipment out of the reach of children and infants.**
Battery: Dangerous if swallowed. If this occurs, contact a doctor immediately.

• **Do not attempt to disassemble, alter or apply heat to the product.**
• **Avoid dropping or subjecting the product to severe impacts.**
• **To avoid the risk of injury, do not touch the interior of the product if it has been dropped or otherwise damaged.**
• **Stop using the product immediately if it emits smoke, a strange smell, or otherwise behaves abnormally.**
• **Do not use organic solvents such as alcohol, benzine, or thinner to clean the equipment.**
• **Do not let the product come into contact with water (e.g. sea water) or other liquids.**
• **Do not allow liquids or foreign objects to enter the product.**
This could result in electrical shock or fire.
If liquids or foreign objects come into contact with the product interior, immediately turn the product power off and remove the battery.

• **Use only the recommended batteries.**
• **Use only with the recommended product.**
• **Do not place the battery near or in direct flame.**
• **Never use damaged batteries or batteries whose outer seal is completely or partially missing or peeled off.**
This could result in electrical shock or fire.
The batteries may explode or leak, resulting in electrical shock or fire. This could cause injury and damage the surroundings.
In the event that batteries leak and the battery acid contacts eyes, mouth, skin or clothing, immediately flush with water.

⚠ **Caution** Denotes the possibility of injury.

• **When using the flash, be careful not to cover it with your fingers or clothing.**
This could result in burns or malfunction of the product.

- **Avoid using, placing or storing the product in the following places:**
  - Places subject to strong sunlight
  - Places subject to temperatures above 40 °C (104 °F)
  - Humid or dusty areas

These could cause leakage, overheating or an explosion of the batteries, resulting in electrical shock, fire, burns or other injuries. High temperatures may cause deformation of the product casing.

Caution	Denotes the possibility of damage to the equipment.

- **In regular use, small amounts of smoke may be emitted from the flash.**

This is due to the high intensity of the flash burning dust and foreign materials stuck to the front of the unit. Please use a cotton swab to remove dirt, dust or other foreign matter from the flash and wide panel to prevent heat build-up and damage to the unit.

- **Remove and store the batteries when you are not using the flash.**

If the batteries are left inside the flash, damage caused by leakage may occur.
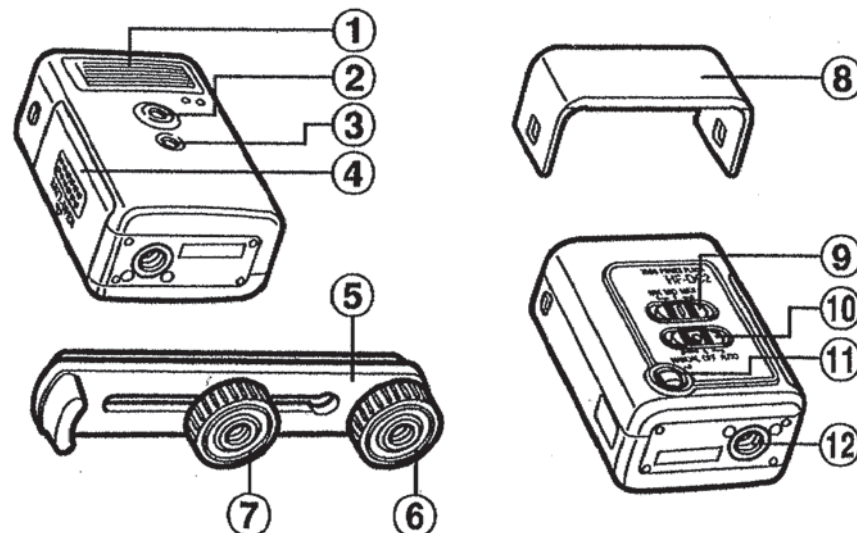
- **Before you discard the battery, cover the terminals with tape or other insulators.**

Contacting other metal materials may lead to fire or explosions.

- **Do not insert the batteries with the + and − terminals reversed.**

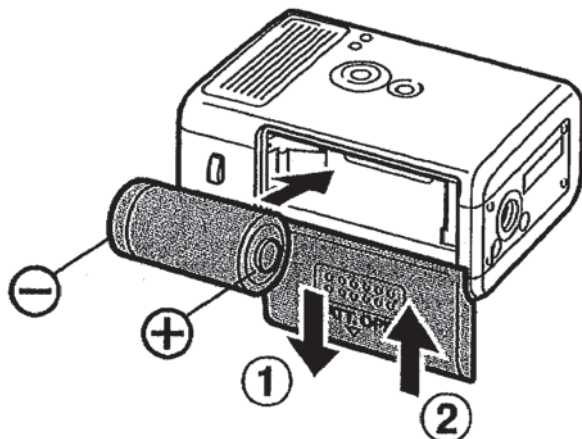This may cause the product to malfunction.

Components Guide

① Flash Head
② Metering Sensor
③ Camera Flash Sensor
④ Battery Compartment Cover
⑤ Bracket
⑥ Flash Attachment Screw
⑦ Camera Attachment Screw
⑧ Wide Panel
⑨ Intensity Switch
⑩ Power/Flash Mode Switch
⑪ Pilot Lamp
⑫ Bracket mounting hole
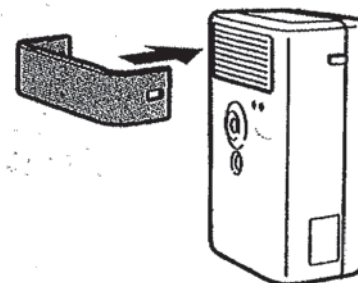
Preparation

Inserting the Battery

Insert the supplied battery (CR123A).

1 Move the cover in the direction of ① to open.

2 Correctly align the (+) and (−) ends of the battery, and insert as shown in the figure.

3 Close the cover by moving it in the direction of ② until it clicks into place.

Attaching the Wide Panel

For cameras where the lens focal length is 24 mm (35mm film equivalent), attach the wide panel with the zoom at the 24 mm position for shooting.
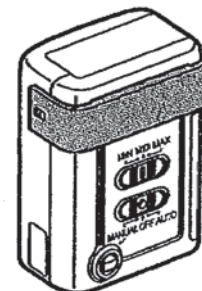

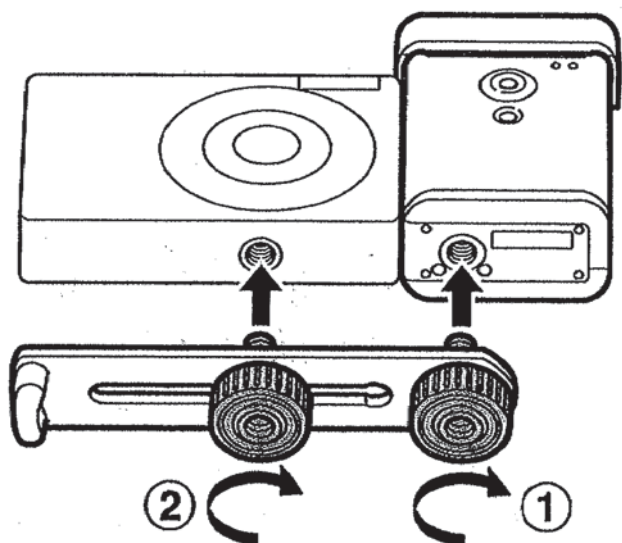**The wide panel is attached to the flash as shown in the figure.**

- Depending on the shooting scene and subject, not using the wide panel can sometimes provide the desired brightness.

When Not Using the Wide Panel

The wide panel cannot be used for shooting with telephoto cameras having a lens focal length greater than 28 mm (35mm film equivalent) or even with 24 mm cameras where the zoom is not at the 24 mm position. To prevent the wide panel from becoming lost, attach it to the back of the flash.

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█Attaching the Flash to the Camera

- If the flash and camera front surface are not parallel, or if there is a gap between the flash and camera, the flash may not be fired, or the flash may not operate properly.

- When attaching to camera types where the LCD monitor opens, if the flash makes contact with the LCD monitor, use with the LCD monitor closed.

1 Check that the flash and camera power are turned off.

2 Firmly tighten the flash attachment screw ① so that the flash and bracket are parallel.

3 Firmly tighten the camera attachment screw ② so that there is no gap between the flash and camera and the flash and camera front surface are parallel.
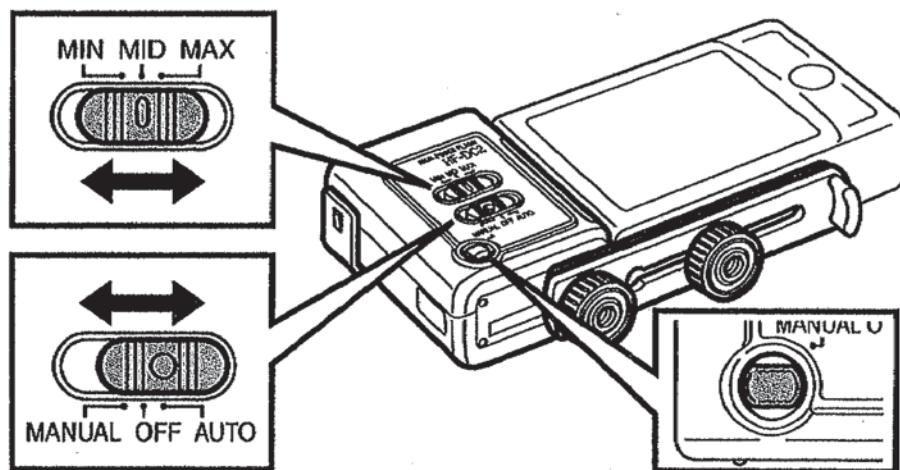
Taking Pictures with the Flash

The flash approximately doubles* the range that photos can be taken.

* Compared to the available shooting range of the camera's built-in flash. Results vary depending on the lens specifications of your camera, aperture value when shooting, zoom setting, ISO sensitivity, and other factors.

1 **Turn on the camera power.**

2 **Set the flash mode to [On].**
  - Before configuring the setting, choose a shooting mode where the flash mode [On] is available, such as **P** mode.

3 **Set the Intensity Switch to [MID].**

4 **Set the Power/Flash Mode Switch to [AUTO].**
  - Move the switch while pressing down the round center button.
  - Flash charging is started, and after about 7.5 seconds (when using a new battery), the flash is charged, and the Pilot Lamp is lit red.

5 **Check that the Pilot Lamp on the flash is lit red, and press the camera shutter button to take a picture.**
  - The flash is fired in synchronization with the camera's built-in flash to take the picture.
  - If the subject is dark, set the Intensity Switch to [MAX], and if the subject is too bright, set the Intensity Switch to [MIN], and try taking the picture again.
  - When you are finished taking pictures, move the switch to the [OFF] position using the operation in step 4 to turn off the power.
    Because the battery power is drained when the switch is a position other than [OFF], be sure to always turn off the power after use.

  - If the camera is set to modes such as AUTO, the flash may not fire depending on shooting conditions. In this case, choose another shooting mode in step 2, and then set the flash mode to [On].

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Using Manual Mode

If the Power/Flash Mode switch is set to [AUTO], the flash can sometimes be fired accidently if another nearby flash is fired. If this happens, the flash can be used in [MANUAL] mode to enable firing of the flash only when shooting with your camera.

1 **Perform steps 1 - 3 in the procedure in "Taking Pictures with the Flash", and perform the operation in step 4 to set the Power/Flash Mode switch to [MANUAL].**

2 **Check that the Pilot Lamp is lit red, and when taking pictures, press the shutter button to take a picture while pressing down the pilot lamp.**

- The flash is fired in synchronization with the camera's built-in flash only when the Pilot Lamp is lit red and the Pilot Lamp is being pressed down.

- If the subject is dark, set the Intensity Switch to [MAX], and if the subject is too bright, set the Intensity Switch to [MIN], and try taking the picture again.

- If the Power/Flash Mode Switch is set to [AUTO] or [MANUAL], and the Pilot Lamp is not lit red even after 10 seconds or longer, either the battery was not inserted properly, or the battery power may be low. Either insert the battery correctly, or replace with a new battery.

- During continuous shooting, the flash is fired for the first photo only.

- If the camera's built-in flash is not fired, the flash will not be fired.

- If a strong light is directed at the flash or if using a camera that is incompatible with this product, the camera's built-in flash may not be detected, and the flash may not be fired.

- The flash may not be fired when there are no reflective objects.

- The required charging time for the flash may be longer due to the usage conditions, remaining battery power, and other factors.

- If the required charging time is long, or the pilot lamp is no longer lit red, replace with a new battery (p.4).

- If using a camera that enables setting of the flash metering correction and intensity, these functions can be used to enable fine adjustment of the brightness for the subject.

Specifications

Model	Slave Flash
Guide number (max.)	18 (ISO 100•m) • 10.5 (ISO 100•m) with wide panel attached
Flash output interval	7.5 seconds or less (when using a new battery)
Illumination angle (angle of view)	24 mm angle of view (with wide panel attached) • 28 mm angle of view with wide panel not attached
Flash control system	Automatic control by flash control sensor
Sensor angle	Photometry: Approx. 20° (all directions) Slave: Approx. 70° (all directions)
Flash modes	Auto/Manual
Flash power selector	MAX/MID/MIN
Power supply	Lithium battery CR123A/DL123A (× 1)
Number of flashes (battery lifespan)	250 times minimum (Full Flash)

Operating environment	0 to 40 °C
Size	46.0 × 66.0 × 29.7 mm (1.81 × 2.60 × 1.17 in.) • When using the wide panel 49.9 × 66.0 × 32.0 mm (1.96 × 2.60 × 1.26 in.) (max. dimensions)
Weight	Approx. 66 g (2.3 oz.) (Approx. 69 g (2.4 oz.) (When using the wide panel))

Wide panel

Size (maximum size)	49.9 × 13.9 × 23.5 mm (1.96 × 0.55 × 0.93 in.)
Weight	Approx. 3.2 g (0.11 oz.)

Bracket

Size (maximum size)	107.0 × 22.0 × 17.0 mm (4.21 × 0.87 × 0.67 in.)
Weight	Approx. 32 g (1.1 oz.)

• All data is based on tests by Canon.

• Product specifications or appearance are subject to change without notice.

Canon

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