

**Canon**

**Multi-Function Shoe Directional  
Stereo Microphone**

**DM-E1D**

Advanced User Guide

**E**

# Contents

---

Introduction. . . . .	3
Instruction Manual. . . . .	4
About This Guide. . . . .	5
Safety Instructions. . . . .	6
Names of Parts. . . . .	7
Attaching and Removing. . . . .	8
Settings. . . . .	12
Specifications. . . . .	15

# Introduction

---

The Multi-Function Shoe Directional Stereo Microphone DM-E1D is an external microphone for video shooting that can be mounted on cameras equipped with a Multi-Function Shoe.

---

## Read before use

To avoid shooting problems and accidents, first read the [Safety Instructions](#). Also read this Advanced User Guide carefully to ensure correct use.

The microphone is not dustproof or waterproof. Do not allow rain, sand, dust, etc. to enter the microphone.

## Read this instruction manual while also referring to your camera's instruction manual

Before using the product, read this "Advanced User Guide" and the detailed guide of your camera to familiarize yourself with their operations.

\* Explanations in this guide are based on use with an EOS DIGITAL camera.

## Using the transmitter with a camera

This product can only be used with cameras equipped with a multi-function shoe.

- [Instruction Manual](#)
- [About This Guide](#)
- [Safety Instructions](#)
- [Names of Parts](#)



The "Instructions" provided with the product explain the basics of the product.

- **Advanced User Guide**

Complete instructions are provided in this Advanced User Guide.  
For the latest Advanced User Guide, refer to the following website.

<https://cam.start.canon/A007/>



## About This Guide




---

 [Icons in This Guide](#)

 [Basic Assumptions](#)

### Icons in This Guide

---

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

### Basic Assumptions

---

- These explanations assume that the camera's power is turned on.
- It is assumed that all the menu settings, Custom Functions, etc., are set to their defaults.

## Safety Instructions

---

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

### WARNING

Denotes the risk of serious injury or death.

- Keep the product out of the reach of young children.
- The cover is dangerous if swallowed. If swallowed, seek immediate medical assistance.
- Do not disassemble or modify the product.
  - Do not expose the product to strong shocks or vibration.
  - Do not touch any exposed internal parts.
  - Stop using the product in any case of unusual circumstances such as the presence of smoke or a strange smell.
  - Do not use organic solvents such as alcohol, benzine or paint thinner to clean the product.
  - Do not get the product wet. Do not insert foreign objects or liquids into the product.
  - Do not use the product where flammable gases may be present.
- This may cause electric shock, explosion or fire.

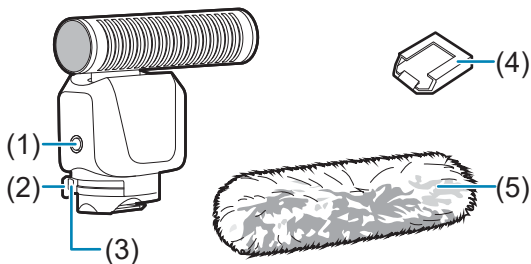
### CAUTION

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

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

## Names of Parts

---



---

(1) <MENU> Menu button

---

(2) Mounting foot lock lever

---

(3) Lock-release button

---

(4) Cover

---

(5) Wind screen

---

## Attaching and Removing

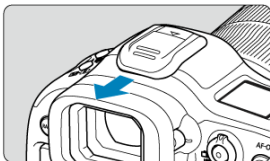
---

- [Attaching the Microphone to the Camera](#)
- [Attaching the Wind Screen to the Microphone](#)
- [Removing the Microphone from the Camera](#)

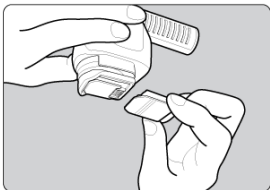
### Attaching the Microphone to the Camera

---

1. Turn off the camera's power
2. Remove the shoe cover from the accessory shoe on the camera

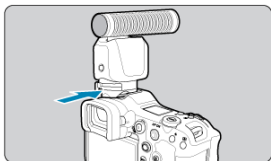


3. Remove the cover from the microphone



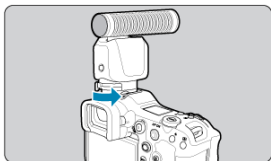


#### 4. Attach the microphone to the accessory shoe on the camera



- Insert the mounting foot of the microphone until it clicks into the accessory shoe on the camera.

#### 5. Secure the microphone



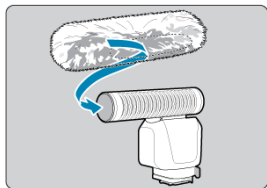
- Slide the mounting foot lock lever.
- Lock it so it clicks.

#### Caution

- Make sure the microphone is securely attached. Loose attachment may cause malfunctioning, and the microphone may fall off.
- Do not touch the contacts with your fingers. This may lead to corrosion. Corroded contacts may cause malfunctioning.
- Blow off any foreign material on the multi-function shoe with a commercially available blower or similar tool.
- Allow the multi-function shoe to dry before use if it gets wet.

## Attaching the Wind Screen to the Microphone

This has the effect of reducing noise from wind, etc.



### ! Caution

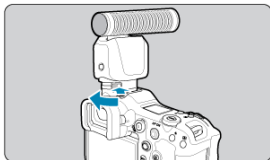
- Do not pull on or wash the wind screen, as fibers can easily come out due to the material it is made from. A loss of fibers causes a reduction in the noise reduction effect of the wind screen.
- Do not use or store the wind screen in a high-temperature location, such as inside a car under the hot sun. Doing so will cause the base material to harden and the fibers to wither.
- Take care to ensure that fibers that come out of the wind screen do not enter the camera.

## Removing the Microphone from the Camera

---

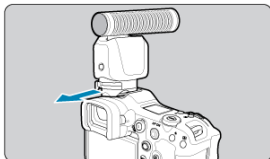
1. Turn off the camera's power

2. Release the lock



- While pressing the lock-release button, slide the lock lever.

3. Remove the microphone from the camera



- Put the cover on the microphone's contacts to protect the contacts.

# Settings

---

Operate the camera's menus to set up the microphone.

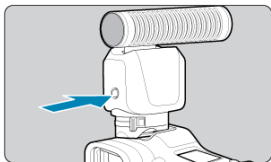
---

1. Attach the microphone to the camera (🔗)
2. Turn on the camera's power

**⚠ Caution**

- If a transmission error appears on the camera's monitor, turn off the camera's power, and then reattach the microphone.




3. Arrange the camera to shoot video
4. Press the < MENU > button on the microphone



- [Sound recording] appears on the camera monitor.



## 5. Check the settings

<p>Sound recording/ Rec. level</p>	<ul style="list-style-type: none"> <li>● <b>Auto</b> The sound-recording level is adjusted automatically.</li> <li>● <b>Manual</b> You can adjust the sound-recording level as needed.</li> <li>● <b>Disable</b> Sound will not be recorded.</li> </ul>	
<p>Wind filter</p>	<p>Set to <b>[Enable]</b> to reduce wind noise when there is wind outdoors. When the wind filter function takes effect, part of the low bass sounds will also be reduced.</p>	
<p>Attenuator</p>	<p>Automatically suppresses sound distortion caused by loud noises. Even if <b>[Sound recording]</b> is set to <b>[Auto]</b> or <b>[Manual]</b> for recording, sound distortion may still result if there is a very loud sound. In this case, setting it to <b>[Enable]</b> is recommended.</p>	
<p>Mic direction.</p>	<p>Select from <b>[Shotgun (mono)]</b>, <b>[90° (stereo)]</b>, or <b>[120° (stereo)]</b>.</p>	
	<p><b>[Shotgun (mono)]</b></p>	<p>Birdwatching, etc.</p> 
	<p><b>[90° (stereo)]</b></p>	<p>Everyday situations</p> 
<p><b>[120° (stereo)]</b></p>	<p>Large groups of singers, etc.</p> 	

 **Caution**

- The functions that can be set and the initial values vary depending on the camera being used. Be sure to check the settings before use.
- Do not apply excessive force to the microphone installation part of the camera. Doing so may cause it to break.
- Do not hold the camera by the microphone when the microphone is attached to the camera. Doing so may cause the microphone to break or the camera to fall.
- Test the microphone by speaking into it. Do not tap the microphone or blow into it.
- Do not touch the microphone or wind screen while recording. Doing so will cause noise to be recorded.
- Using the microphone close to objects that emit strong electromagnetic fields (radio towers, high-voltage wires, mobile phones, etc.) may cause noise to be recorded.
- Noise may be recorded if wireless functions on the camera are in use. It is recommended that you do not use wireless functions when recording.
- Sound may be distorted if the temperature around the microphone is low.
- The microphone is not dustproof or waterproof. Do not allow rain, sand, dust, etc. to enter the microphone.
- Operating noises may be recorded if the camera or lens is operated while shooting video. Furthermore, function noises of the camera and lens may be recorded.

## Specifications

---

**Type:**Back-electret-condenser type stereo microphone

**Directivity:**

Sharp directivity: Shotgun (mono)

Single directivity: 90° (stereo)/120° (stereo)

**Sensitivity:**

Shotgun (mono): -16 dBFS (94 dBSPL@1 kHz)

90° (stereo): -18.7 dBFS (94 dBSPL@1 kHz)

120° (stereo): -20 dBFS (94 dBSPL@1 kHz)

**Frequency:**100 to 10000 Hz

**Operating temperature:**0°C - 40°C/32°F - 104°F

**Operating humidity:**85% or less

**Dimensions:**Approx. 41.3 × 87.4 × 108.6 mm/1.63 × 3.44 × 4.28 in.

**Weight:**Approx. 136 g/4.80 oz. (main body only)

- All this data is based on Canon's testing standards.
- The product specifications and exterior are subject to change without notice.