

Nikon

Shotgun Microphone

ME-D10

Reference Guide

ME-D10 Model Name: N2411

- Read this document thoroughly before using the product.
- To ensure proper use of the product, be sure to read "For Your Safety" (page 7).
- After reading this document, keep it readily accessible for future reference.

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Introduction

What the ME-D10 Can Do for You

The ME-D10 can selectively capture sound by adjusting its pickup direction. Use the ME-D10 with cameras that have a digital accessory shoe. The power supply from the camera and the transfer of audio data to the camera are made via the digital accessory shoe.

Select the Microphone Mode That Matches Your Creative Intent

You can use the microphone-mode switch to toggle between **PURE** and **FOCUS** microphone modes. Use **PURE** mode to record the sound of the scene "as-is," such as musical instrument performances or field recordings, and **FOCUS** mode to capture human voices in interviews, product presentations, or similar situations, enabling a wide range of applications by switching between modes.

Select the Sound Pickup Direction

You can select the primary direction that the microphone picks up sound: front, rear, or omnidirectional. Adjusting its pickup direction allows the microphone to clearly record your targeted sounds.

Record High-Quality Audio with 32-bit Float Recording

When attached to a camera that supports 32-bit float recording, the microphone can record sound with less audio clipping and distortion. This enables audio recording with a wide dynamic range, from a soft whisper to a loud scream, in high sound quality.

Monitor Settings Using Status Lamps

You can monitor the microphone mode and pickup direction settings through the status lamps when microphone switches are operated or video recording starts. The status lamps will blink rapidly when audio clipping occurs.

Before You Begin

Please read these instructions carefully before using a Nikon ME-D10 shotgun microphone. You will also need to consult the documentation provided with the camera.

- Use the ME-D10 as an external microphone by mounting it on a camera equipped with a digital accessory shoe. For information on the cameras that can be used with the ME-D10, see “Compatible Cameras” ([📖 5](#)).
- The camera operations described in this guide are those for the ZR.
- Be sure to update to the latest version of the camera firmware. With earlier versions, some functions may not be available or the camera may fail to correctly detect the product. The latest firmware is available from the Nikon Download Center.
<https://downloadcenter.nikonimglib.com/>

Compatible Cameras

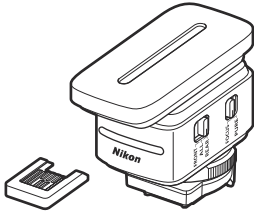
The ME-D10 can be used with the following cameras. Do not use the ME-D10 with cameras that do not support the microphone.

- ZR

Package Contents

Be sure all items listed here were included with your microphone.

- Microphone
- Digital accessory foot cover (comes attached to the microphone)
- Soft case
- *User's Manual*
- Warranty



- Wind muff



For Your Safety

To prevent damage to property or injury to yourself or to others, read "For Your Safety" in its entirety before using this product.

After reading these safety instructions, keep them readily accessible for future reference.



WARNING: Failure to observe the precautions marked with this icon could result in death or severe injury.



CAUTION: Failure to observe the precautions marked with this icon could result in injury or property damage.



WARNING

Do not use while walking or operating a vehicle.

Failure to observe this precaution could result in accidents or other injury.

Do not disassemble or modify this product.

Do not touch internal parts that become exposed as the result of a fall or other accident.

Failure to observe these precautions could result in electric shock or other injury.

Should you notice any abnormalities such as the product producing smoke, heat, or unusual odors, immediately disconnect the camera power source.

Continued operation could result in fire, burns or other injury.

Keep dry.

Do not handle with wet hands.

Failure to observe these precautions could result in fire or electric shock.

Do not use this product in the presence of flammable dust or gas such as propane, gasoline or aerosols.

Failure to observe this precaution could result in explosion or fire.

Keep this product out of reach of children.

Failure to observe this precaution could result in injury or product malfunction.

In addition, note that small parts constitute a choking hazard.

Should a child swallow any part of this product, seek immediate medical attention.



CAUTION

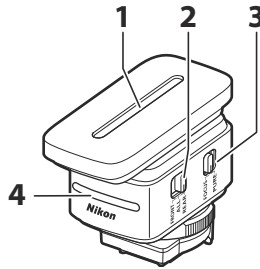
Do not leave the product where it will be exposed to extremely high temperatures for an extended period, such as in an enclosed automobile or in direct sunlight.

Failure to observe this precaution could result in fire or product malfunction.

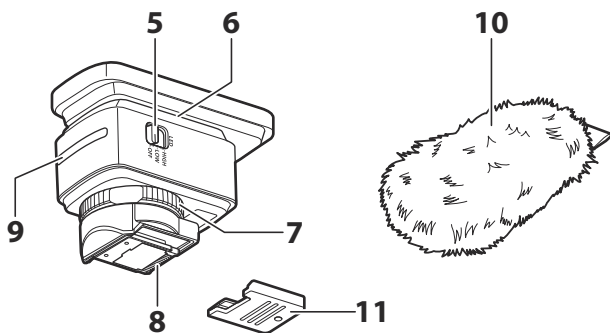
First Steps

Parts of the Microphone: Names and Functions

The parts of the microphone are listed below.



1	Pickup element	—
2	Pickup pattern switch	Select the primary direction that the microphone picks up sound from FRONT (front), ALL (omnidirectional), and REAR (rear) modes.
3	Microphone-mode switch	Select a microphone mode. <ul style="list-style-type: none">• FOCUS: Use for capturing human voices in interviews, product presentations, and similar situations.• PURE: Use for recording the sound of the scene "as-is," such as musical instrument performances or field recordings.
4	Status lamp (front)	Flashes or lights up when the microphone switches are operated or during video recording. For more information, see "Status Lamps" (📖 17).



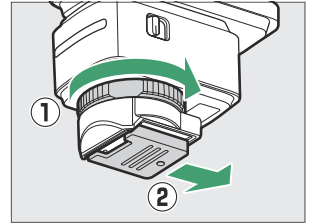
5	LED brightness switch	Select the brightness of the front and rear status lamps. Select OFF to turn the status lamps off.
6	Shock mount	Reduces the vibration noise produced when using the camera.
7	Lock ring	Turn the lock ring to secure the microphone after attaching it to the camera's digital accessory shoe.
8	Digital accessory shoe terminal	—
9	Status lamp (rear)	Flashes or lights up when the microphone switches are operated or during video recording. For more information, see "Status Lamps" (📖 17).
10	Wind muff	Attach the wind muff to reduce wind noise.
11	Digital accessory foot cover	—

Attaching the ME-D10

Turn the camera off before attaching the ME-D10.

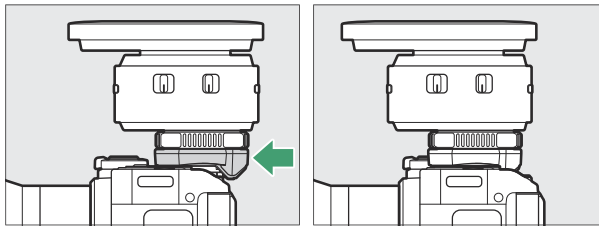
1 Remove the digital accessory foot cover from the microphone.

- Loosen the lock ring (1) and remove the digital accessory foot cover from the microphone (2).
- Keep the digital accessory foot cover in a safe place.



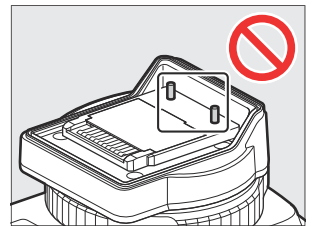
2 Slide the digital accessory shoe terminal into the camera digital accessory shoe.

Ensure that the digital accessory shoe terminal is inserted all the way.

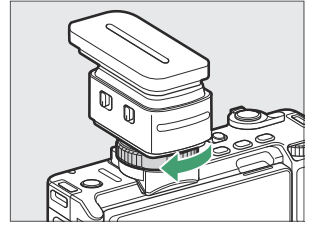


Cautions: Attaching the Microphone

The pins on the connector may protrude if the lock ring is not fully loosened, preventing the microphone from being fully inserted into the digital accessory shoe. Before inserting the microphone into the digital accessory shoe, rotate the lock ring until it is fully loosened, making sure that the connector pins are retracted.



3 Tighten the lock ring.



Tip: Attaching the Wind Muff

When attaching the supplied wind muff, place the side without the tag over the front of the pickup element of the ME-D10, then pull the tag and stretch the muff over the rear of the element.



Tip: The Shock Mount

Vibration reduction may cause the microphone to wobble if it is shaken when attached to the camera.

Tip: Removing the ME-D10

To remove the ME-D10, turn the camera off and loosen the lock ring by turning it in the direction opposite to that used to attach it.

- Reattach the digital accessory foot cover to the ME-D10 when the microphone is not in use.

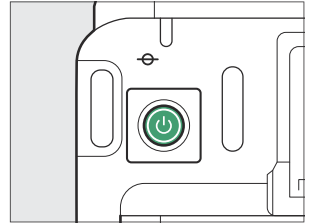
Using the ME-D10

Video Recording with the ME-D10

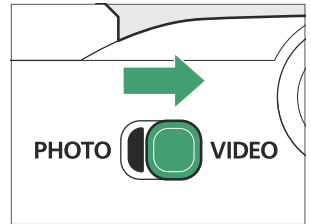
The steps for recording videos with the ME-D10 are as follows.

1 Turn the camera on.

The ME-D10 is powered by the camera. The power supply ends when the camera turns off or the standby timer expires.



2 Slide the camera photo/video selector to VIDEO to select video mode.

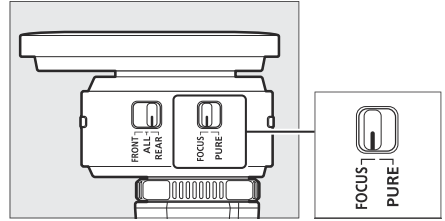


3 Select the microphone mode and pickup direction.

Adjust the settings of the microphone-mode and pickup pattern switches to suit your recording.

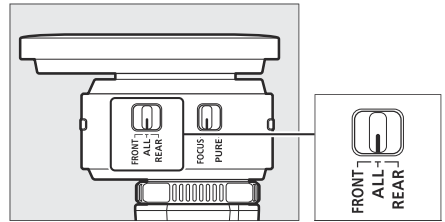
• Microphone-mode switch

- **PURE:** Use this mode for recording the sound of the scene "as-is" including low frequencies, such as musical instrument performances or field recordings. This mode allows you to further refine the sound to the quality you desire in post-production with its resistance to editing degradation. We recommend recording the audio in 32-bit float format.
- **FOCUS:** Use this mode to capture human voices in interviews, product presentations, and similar situations. It is directional, allowing recording with reduced environmental noise such as air conditioning.



• Pickup pattern switch

- **FRONT:** Use when the sound source is in front of the camera.
- **ALL:** Use when sound sources are all around the camera.
- **REAR:** Use when you narrate or provide commentary while recording video.

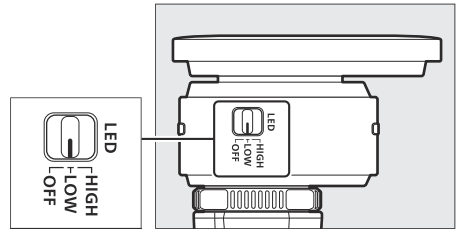


Tip: Combining Microphone Mode and Pickup Direction

You can set the pickup direction with both **PURE** and **FOCUS** microphone modes. Selecting **FOCUS** with **FRONT** or **REAR** pickup direction strengthens the directionality. For details on the characteristics of each combination, refer to "Audio Characteristics" ([21](#)).

4 Set the brightness of the status lamps.

Use the LED brightness switch to adjust the brightness of the front and rear status lamps.

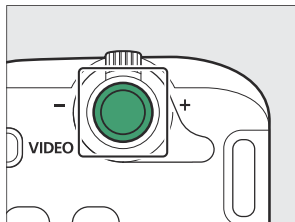


5 Configure microphone settings on your camera.

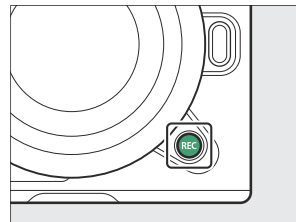
Adjust the microphone settings in the video recording menu on your camera as needed. See the camera *Reference Guide* for details. The menu items about external microphone settings include:

- [32-bit float audio recording]
- [Audio input sensitivity]
- [Attenuator]
- [Frequency response]

6 Press the camera shutter-release/REC button or the REC button on the front of the camera to start video recording.



Shutter-release/REC button



REC button

Tip: Cautions: Audio Clipping

- If audio clipping is detected during video recording, both the front and rear status lamps will blink rapidly in sync with the sound being captured.
 - Using 24-bit recording causes audio clipping when the detected sound exceeds the capability of the camera. Adjust the audio input sensitivity until the rapid blinking of the status lamps stops.
 - Using 32-bit float recording allows audio recording with minimal clipping and distortion. Move the microphone away from the sound source until the rapid blinking of the status lamps stops if audio clipping continues under the following conditions.
 - When recording extremely loud sounds beyond the microphone's capabilities,
 - When the sound source is too close to the microphone, or
 - In strong wind conditions.
 - Audio may sound distorted if the speaker volume or gain is set too high during video playback.
-

Status Lamps

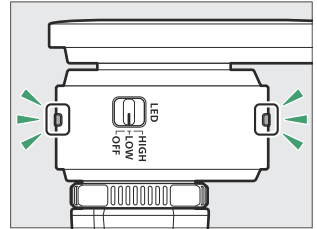
The status lamps light or flash when the microphone switches are operated or during video recording.

Operating Switches

Using the LED Brightness Switch

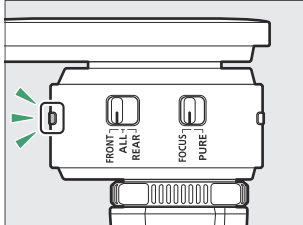
Use the LED brightness switch to set the brightness of the status lamps to **OFF**, **LOW**, or **HIGH**. Adjust the brightness according to the shooting conditions.

- If **LOW** or **HIGH** is selected while no footage is being recorded, both the front and rear status lamps will light briefly at the selected brightness level before turning off.
- Select **OFF** to turn the status lamps off.

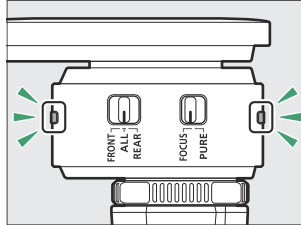


Using the Pickup Pattern and Microphone-Mode Switches

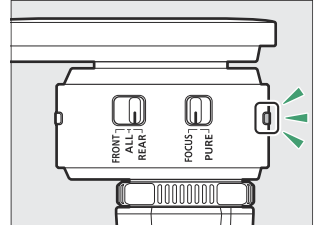
- Either or both of the status lamps flash twice with the brightness set with the LED brightness switch according to the position selected with the pickup pattern switch when that switch is operated.



Pickup pattern: **FRONT**



Pickup pattern: **ALL**

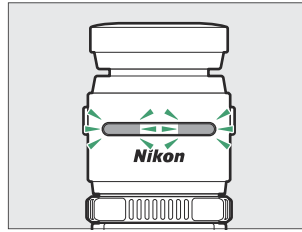


Pickup pattern: **REAR**

- The status lamps flash twice with the brightness set with the LED brightness switch when the microphone-mode switch is operated.



Microphone mode: **FOCUS**



Microphone mode: **PURE**

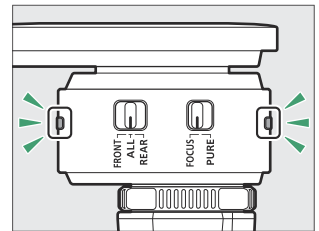
- The parts of the status lamps that flash vary depending on the combination of pickup pattern and microphone mode.

	FOCUS	PURE
FRONT	Center of the front status lamp	Sides of the front status lamp
ALL	Center of the front and rear status lamps	Sides of the front and rear status lamps
REAR	Center of the rear status lamp	Sides of the rear status lamp

During Recording

When video recording starts with the LED brightness switch set to a position other than **OFF**, the status lamps will flash twice according to the microphone mode and pickup pattern settings, then the front and rear status lamps will light. This makes it easy to see whether video recording is in progress.

- If the microphone mode or pickup pattern setting is adjusted during video recording, the status lamps will flash twice according to the changed settings.
- If audio clipping is detected during video recording, the status lamps will blink rapidly.
- The status lamps turn off when video recording ends.



Precautions for Use

• ME-D10 Shotgun Microphones

- Keep the ME-D10 in the supplied soft case with the digital accessory foot cover attached when not in use.
- Do not touch the digital accessory shoe terminal with your fingers.
- Do not use at temperatures below $-10\text{ }^{\circ}\text{C}/14\text{ }^{\circ}\text{F}$ or above $40\text{ }^{\circ}\text{C}/104\text{ }^{\circ}\text{F}$. Failure to observe this precaution could cause a product malfunction.
- Do not drop the ME-D10 or subject it to strong shocks or vibration. Failure to observe this precaution could damage the product or cause it to malfunction.
- Do not subject the ME-D10's sound collecting part to powerful air currents, for example, from a blower. Failure to observe this precaution could damage the product or cause it to malfunction.
- Do not apply pressure from outside when the device is placed in a sealed bag. Failure to observe this precaution could damage the product or cause it to malfunction.
- Do not place under heavy objects or subject to heavy loads. Failure to observe these precautions could cause damage or malfunction.
- Do not pick up the camera by the ME-D10 alone. Failure to observe this precaution could damage the connective parts of the products.
- The device may malfunction if used in the vicinity of radio transmitters or other devices that produce strong static charges or magnetic fields.
- If the ME-D10 will not be used for an extended period, store it in a cool, dry location to prevent mold and rust. Do not store the ME-D10 with naphtha or camphor moth balls, next to equipment that produces strong electromagnetic fields, or where it will be exposed to extremely high temperatures, for example near a heater or in an enclosed vehicle on a hot day. Failure to observe this precaution could cause product malfunction.
- The presence of dust or water on the ME-D10 may interfere with clear sound recording. Wipe the product gently with a soft, dry cloth before use.
- The ME-D10 may pick up sounds made by the camera or lens during recording.
- The ME-D10 may pick up sounds caused by touching it during recording.

• Wind Muffs

- When using the wind muff, prevent fibers from the muff from sticking to the lens or entering the camera while changing the lens.
- Do not stretch or wash the wind muff. Failure to observe this precaution may cause fibers to come loose, resulting in deterioration of its wind noise reduction capacity.
- If the wind muff is wet, dry it thoroughly before placing it in storage.
- Store the wind muff in a cool, dry location, away from direct sunlight. Failure to observe this precaution could cause the fabric to deteriorate or discolor.

Technical Notes

Specifications

Type	Shotgun microphone
Polar pattern	Omnidirectional, front, rear
Frequency response	40–20,000 Hz (PURE), 90–20,000 Hz (FOCUS)
Sampling frequency/bit length	48 kHz/24 bit, 48 kHz/32-bit float (when attached to ZR)
Power supply	Supplied by the camera
Dimensions (W × H × D)	Approx. 34 × 58.5 × 73 mm/1.4 × 2.4 × 2.9 in.
Weight	Approx. 86 g/3.1 oz (body only)
Operating temperature	–10 °C–40 °C (+14 °F–104 °F)
Supplied accessories	Wind muff, Soft case, Digital accessory foot cover

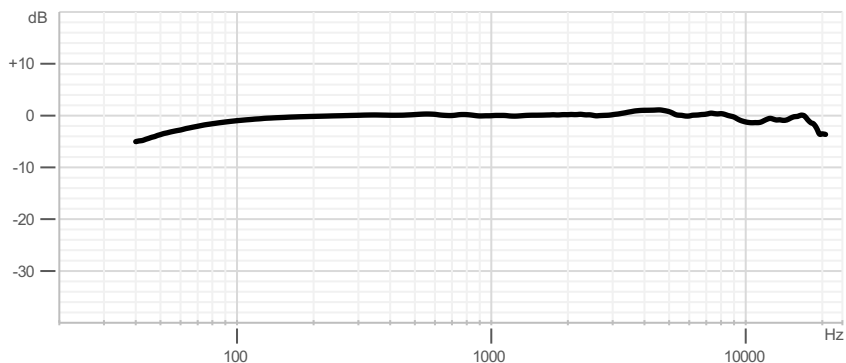
- Unless otherwise stated, specifications are independent of any device to which the microphone may be connected.
- Nikon reserves the right to change the appearance, specifications, and performance of the product described in this document at any time and without prior notice. Nikon will not be held liable for damages that may result from any mistakes that this document may contain.

Audio Characteristics

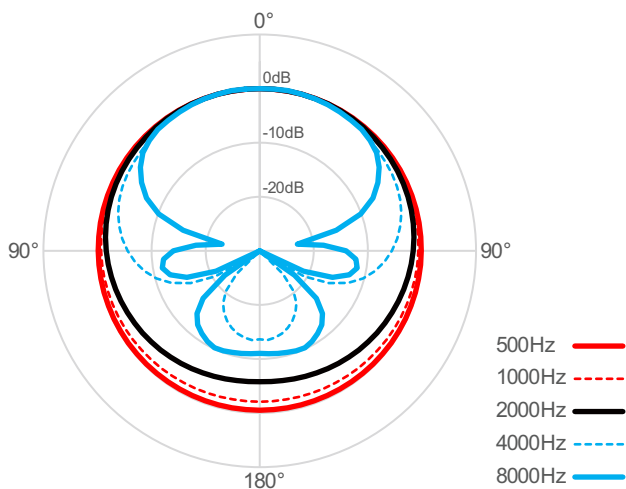
Frequency responses and polar patterns vary according to microphone mode and pickup pattern settings.

Microphone Mode: PURE, Pickup Pattern: FRONT (Front)

• Frequency response:

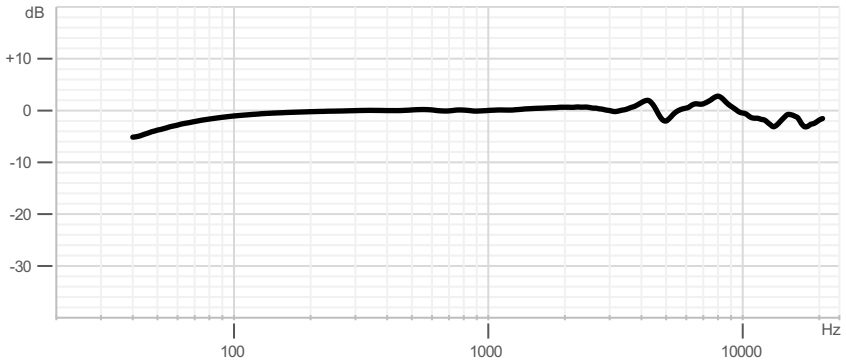


• Polar pattern:

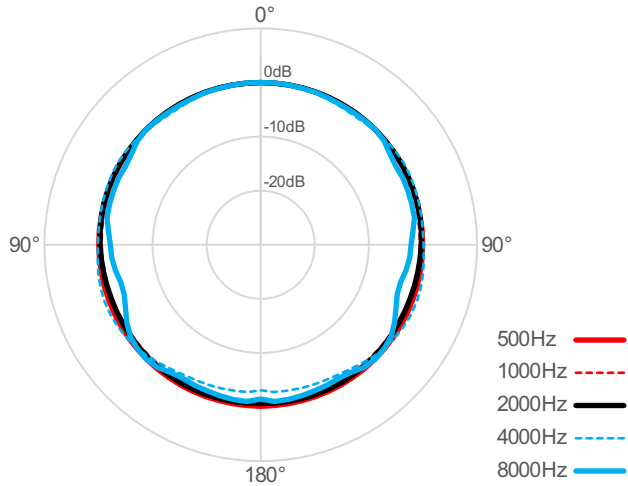


Microphone Mode: PURE, Pickup Pattern: ALL (Omnidirectional)

• Frequency response:

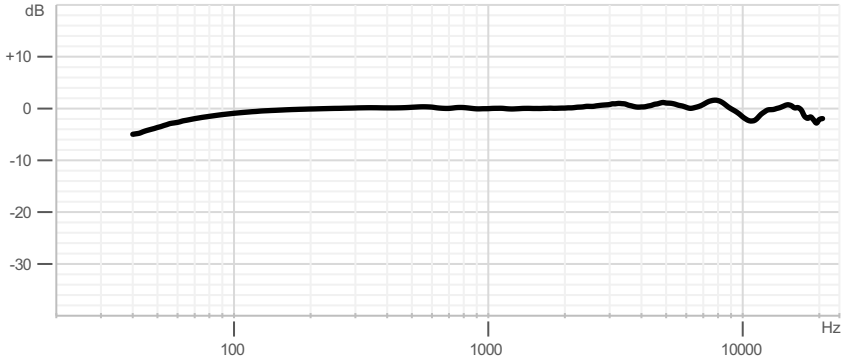


• Polar pattern:

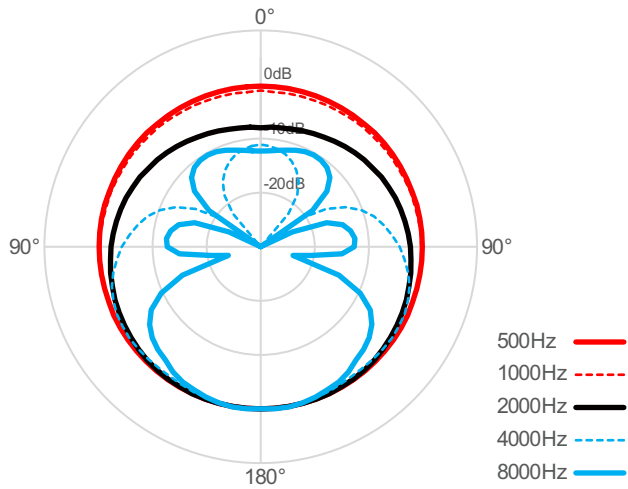


Microphone Mode: PURE, Pickup Pattern: REAR (Rear)

• Frequency response:

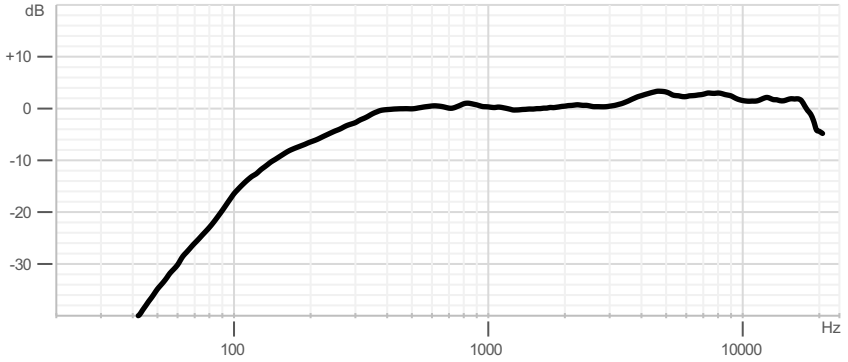


• Polar pattern:

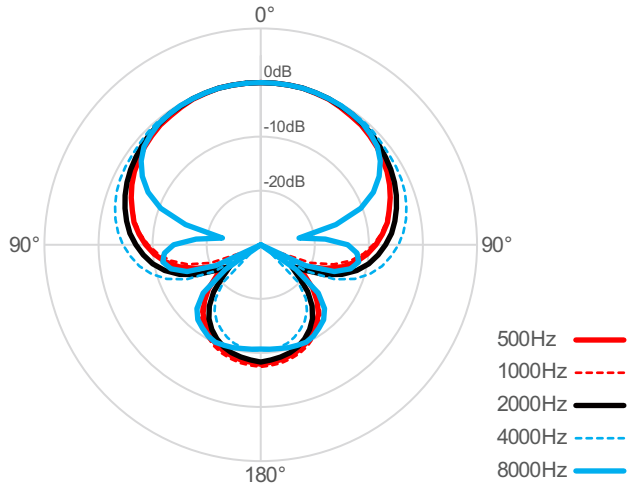


Microphone Mode: FOCUS, Pickup Pattern: FRONT (Front)

• Frequency response:

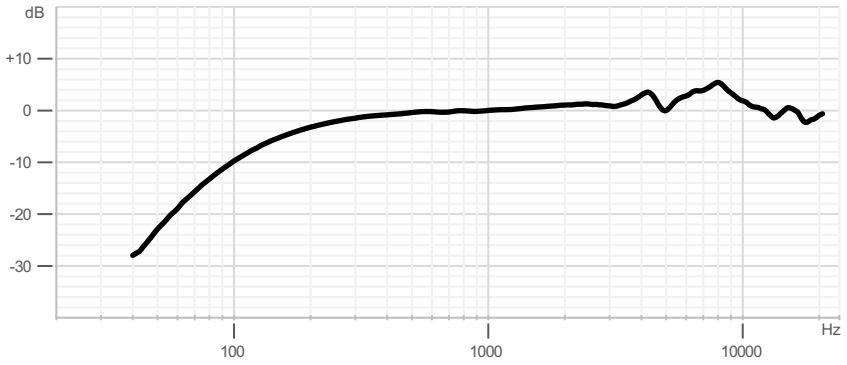


• Polar pattern:

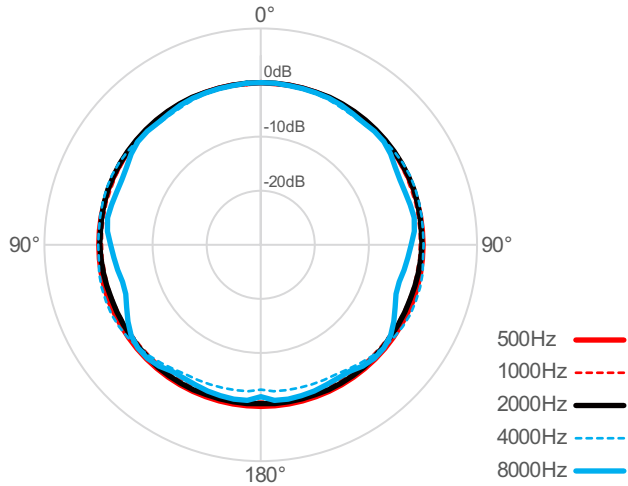


Microphone Mode: FOCUS, Pickup Pattern: ALL (Omnidirectional)

• Frequency response:

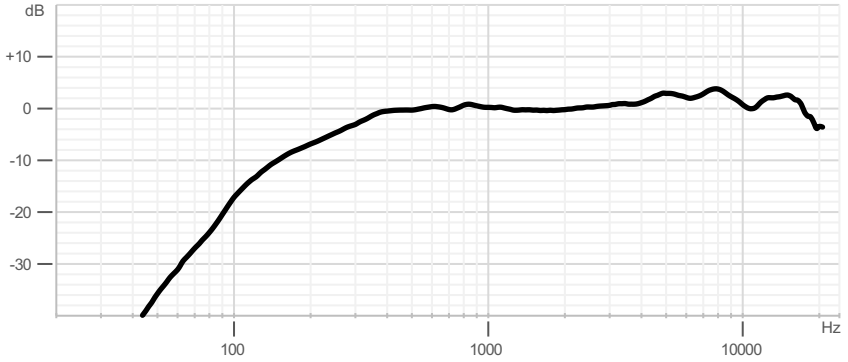


• Polar pattern:

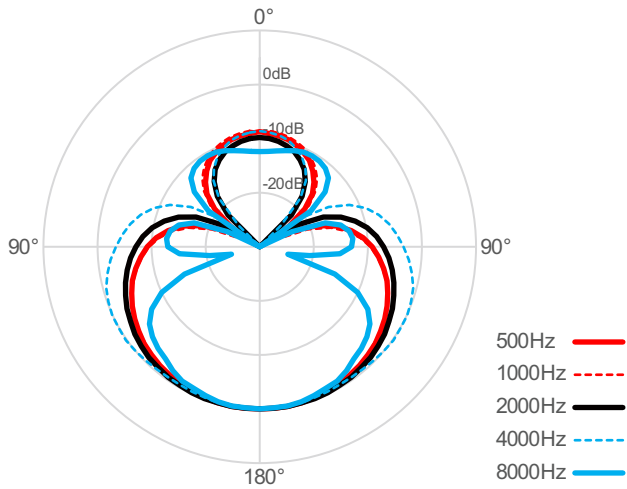


Microphone Mode: FOCUS, Pickup Pattern: REAR (Rear)

• Frequency response:



• Polar pattern:



Notices

- **Notices for Customers in the U.S.A.**

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.

Federal Communications Commission (FCC) Radio Frequency Interference Statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, 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.

CAUTIONS

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's authority to operate the equipment.

Nikon Inc., 1300 Walt Whitman Road, Melville, New York 11747-3064, U.S.A.
Tel.: 631-547-4200

● **Notice for Customers in Canada**

CAN ICES-003 (B) / NMB-003 (B)

● **Notice for customers in Europe and in countries complying with the EU legislation**

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

This symbol indicates that electrical and electronic equipment is to be collected separately.



The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- Separate collection and recycling helps conserve natural resources and prevent negative consequences for human health and the environment that might result from incorrect disposal.
- For more information, contact the retailer or the local authorities in charge of waste management.

● **Manufacturer**

NIKON CORPORATION:
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URL: <https://www.nikon.com/>