

En Added Functions

The *Z 5 Reference Manual* is for “C” firmware version 1.21 (the latest version of the *Z 5 Reference Manual* is available from the Nikon Download Center). This supplement details the new features and changes introduced with camera “C” firmware versions 1.40 and 1.50. The two documents are to be read together.

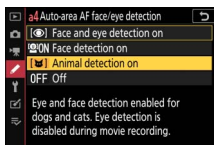
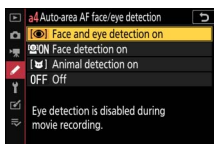
To view the camera firmware version or update the camera firmware, select [**Firmware version**] in the setup menu. The latest firmware for the Z 5 is available for download from the Nikon Download Center. Information on performing updates is available via the firmware download page.
<https://downloadcenter.nikonimglib.com/>

Features Available with “C” Firmware Version 1.40

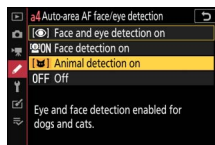
Support for Eye-Detection AF in Movie Mode

Updating to “C” firmware version 1.40 allows the use of eye-detection AF (a feature that detects and focuses on the eyes of humans, dogs, and cats) in movie mode, a mode in which it was not supported in earlier versions (“C” firmware versions 1.21 and earlier).

“C” firmware versions 1.21
and earlier



“C” firmware version 1.40



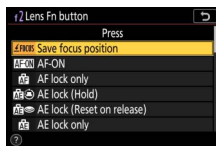
New Options for Custom Setting f2 “Custom Controls”: “Save Focus Position” and “Recall Focus Position”

[**Save focus position**] and [**Recall focus position**] have been added to the roles that can be assigned to camera controls using Custom Setting f2 [**Custom controls**]. You can save the current focus position by assigning [**Save focus position**] to [**Lens Fn button**] and then pressing and holding the lens **Fn** button. The saved position can be instantly restored by assigning [**Recall focus position**] to [**Lens Fn2 button**] and pressing the lens **Fn2** button (“memory recall”). You may find this useful if you frequently return to subjects at a fixed focus distance.

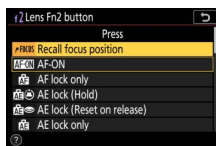
- Memory recall is available only when an autofocus Z mount lens equipped with **Fn** and **Fn2** buttons is mounted on the camera. If the lens is not equipped with an **Fn2** button, the camera cannot save the focus position even if the [**Save focus position**] is assigned to the lens **Fn** button.
- Focus positions can be saved and recalled in both photo and video modes.
- Focus positions can be saved in any focus mode.
- The stored focus position is reset when the lens is detached.

Memory Recall

- 1 Select [Save focus position] for Custom Setting f2 [Custom controls] > [Lens Fn button].

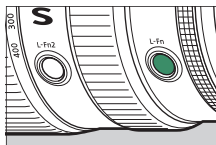


- 2 Select [Recall focus position] for Custom Setting f2 [Custom controls] > [Lens Fn2 button].



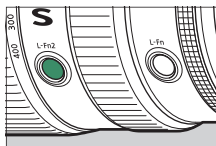
- 3 Focus on the desired subject in the shooting display and press and hold the lens Fn button.

If the operation is successful, an icon will appear in the shooting display to indicate that the focus position has been saved.



- 4 Press the lens Fn2 button.

- The saved focus position will be restored.
- Holding the lens **Fn2** button activates manual focus, and the camera will not refocus if the shutter-release button is pressed halfway while the control is pressed.



✓ **Cautions: Memory Recall**

- Focus positions cannot be saved while shooting information is displayed.
 - Changes in ambient temperature may result in focus being recalled to a position different from that at which it was saved.
 - Previously-saved focus positions tend to change if recalled after lens focal length is adjusted via zoom. If a saved focus position is recalled after the lens focal length is adjusted, the camera will sound four short beeps, provided that an option other than **[Off]** is selected for **[Beep options]** > **[Beep on/off]** in the setup menu.
-

New Setup Menu Option: “USB”

A [USB] item has been added to the setup menu. Use this item for wired USB connections between the camera and a computer or smart device.



- Select [MTP/PTP] for wired connections to computers.
- A USB cable can be used to connect the camera to smart devices running the NX MobileAir smartphone app. Choose an option according to the type of device connected.
 - Select [MTP/PTP] for connection to Android devices.
 - Select [iPhone] for connection to iPhones (a third-party iPhone-compatible USB-C to Lightning cable is required for wired iPhone connections).

✔ Cautions: “iPhone”

- This option functions solely to enable connection to iPhones running the NX MobileAir app. Select [MTP/PTP] if you are not using NX MobileAir.
- Selecting this option disables [Wireless remote (ML-L7) options] in the setup menu. Select [MTP/PTP] to enable [Wireless remote (ML-L7) options].
- Selecting this option prevents devices connected via USB (including optional charging AC adapters) being used to power the camera or charge the battery. Select [MTP/PTP] to enable these features.

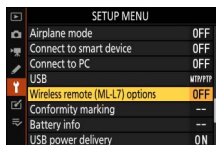
✔ The NX MobileAir App

The NX MobileAir app is available for download from the Apple App Store® and Google Play™. For more information about NX MobileAir, see the app's online help.

Remote Control (ML-L7) Options

A [Wireless remote (ML-L7) options]

item has been added to the setup menu. When paired with the camera via Bluetooth, optional ML-L7 remote controls can be used to control the camera remotely during still photography, movie recording, and the like.



■ Establishing a Connection

The ML-L7 remote control must be paired with the camera before use.

- The camera can be paired with only one remote at a time. If paired successively with more than one remote, the camera will respond only to the remote with which it was last paired.
- In addition to the present document, you will also need to consult the documentation for the ML-L7 remote control.

Pairing

- 1 Go to [Wireless remote (ML-L7) options] in the setup menu, highlight [Save wireless remote controller], and press**



- The camera will enter pairing mode.
- Any existing connection to a smart device or computer will end.

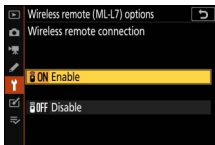
2 Keep the power button on the remote control pressed for over three seconds.

- The camera and remote control will begin pairing. During pairing, the status LED on the remote control will flash about twice a second.
- A connection will be established between the camera and remote control when pairing is complete.
-  and  will appear in the shooting display.
- If a message is displayed stating that pairing has failed, repeat the pairing process from Step 1.



Connecting to a Paired Remote

1 Go to [Wireless remote (ML-L7) options] in the setup menu and select [Enable] for [Wireless remote connection].



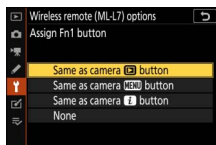
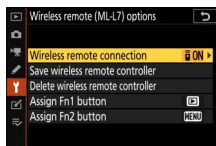
2 Press the remote control power button.

The camera and remote will connect automatically.

■ The Setup Menu “Wireless Remote (ML-L7) Options” Item

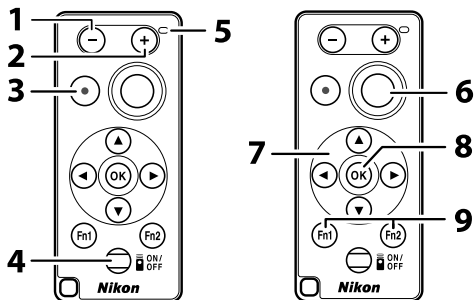
The [Wireless remote (ML-L7) options] item in the setup menu contains the following options:

- **[Wireless remote connection]:** Select [Enable] to connect to the remote control with which the camera has been most recently paired. To end the connection, select [Disable].
- **[Save wireless remote controller]:** Pair the camera with a remote control. For more information, see “Pairing” in the section on “Establishing a Connection” (p. 7).
- **[Delete wireless remote controller]:** End pairing between the camera and the remote control.
- **[Assign Fn1 button]/[Assign Fn2 button]:** Choose the roles assigned to the remote control’s **Fn1** and **Fn2** buttons.



Option	Description
[Same as camera > button]	The button performs the same function as the camera > button.
[Same as camera MENU button]	The button performs the same function as the camera MENU button.
[Same as camera i button]	The button performs the same function as the camera i button.
[None]	Pressing the button has no effect.

■ Parts of the ML-L7 Remote Control: Names and Functions



1	"-" button	Performs the same function as the camera (?) button.
2	"+" button	Performs the same function as the camera button.
3	Movie-record button	Press once to start movie recording and again to stop.
4	Power button	- Press the button to turn the remote control on. - The remote control will automatically connect to the camera with which it is currently paired, assuming it is nearby. - If you keep the button pressed for over three seconds, the remote control will enter pairing mode. - Pressing the power button while the remote control is on turns off the remote control, after which the status LED will turn off.

5	Status LED	The color and behavior of the status LED indicates remote control and shooting status. For more information, see “The Remote Control Status LED (Z 5)” (p 12).
6	Shutter-release button	Press the button to release the shutter. • The remote control shutter-release button cannot be pressed halfway. • The remote control shutter-release button cannot be kept pressed for burst photography. • The procedure for taking photographs at a shutter speed of “Bulb” is the same as that for “Time”.
7	Multi selector	Performs the same function as the multi selector on the camera.
8	OK (select) button	Performs the same function as the OK button on the camera.
9	Fn1 (Function 1)/Fn2 (Function 2) buttons	Perform the roles assigned via the setup menu using [Wireless remote (ML-L7) options] > [Assign Fn1 button] and [Assign Fn2 button]. • At default settings, the remote control Fn1 and Fn2 buttons perform the same functions as the camera  and MENU buttons, respectively.

The Remote Control Status LED (Z 5)

Color	Behavior	Status
Green	Flashes approximately once a second	Searching for paired camera.
Green	Flashes quickly (approximately twice a second)	Pairing.
Green	Flashes approximately once every three seconds	Connected to camera.
Orange	Flashes once	Photography started.
Orange	Flashes twice	"Bulb" or "Time" photography ended.
Red	Flashes once	Movie recording started.
Red	Flashes twice	Movie recording ended.

Adjusting Focus from the Camera

If **[Focus]** is selected for Custom Setting a2 **[AF-S priority selection]** in focus mode **AF-S**, focus will lock when the camera shutter-release button is pressed halfway. You can then press the shutter-release button on the remote control to take a picture at the selected focus position.

The Standby Timer

To reactivate the camera after the standby timer has expired and the monitor and viewfinder have both turned off, turn the remote control on and press and hold its shutter-release or movie-record button.

✔ Troubleshooting

Try the solutions listed below if you experience any of the following when using an ML-L7 remote control.

- **[Wireless remote (ML-L7) options] cannot be selected in the setup menu and the camera cannot be paired with the remote control:**
 - Check that the camera battery is charged or use an optional charging AC adapter or an optional EP-5B power connector and EH-5d, EH-5c, or EH-5b AC adapter.
 - Confirm that **[Disable]** is selected for **[Airplane mode]** in the setup menu.
 - The remote control cannot be used while the camera is connected to a computer or smart device via USB. End the USB connection.
 - **The camera does not respond to the remote control:**
 - The camera and remote control are not connected. To connect, press the remote control power button. If  does not appear in the shooting display, pair the camera and remote control again.
 - Confirm that **[Enable]** is selected for **[Wireless remote (ML-L7) options] > [Wireless remote connection]** in the setup menu.
 - Confirm that **[Disable]** is selected for **[Airplane mode]** in the setup menu.
 - The remote control cannot be used while the camera is connected to a computer or smart device via USB. End the USB connection.
 - Simultaneous wireless connections with both remote control and a computer or smart device are not supported. If you end the connection to the remote control by connecting to a computer or smart device, the connection can be re-established by selecting **[Enable]** for **[Wireless remote (ML-L7) options] > [Wireless remote connection]** in the setup menu.
-

New Optional Remote Grip

The camera now supports the optional MC-N10 remote grip. When connected to the camera, the MC-N10 can be used for such tasks as video recording, photography, and adjusting camera settings.

- The MC-N10 comes equipped with a rosette for attachment to third-party camera equipment. With the MC-N10 mounted on third-party camera equipment via an ARRI-compatible rosette adapter, you can keep moving subjects in focus while panning the camera to track their motion, or use its conveniently-placed controls to adjust settings such as exposure and white balance without touching the camera.
- For more information on the MC-N10, see the documentation available from the Nikon Download Center.

<https://downloadcenter.nikonimglib.com/>

Features Available with “C” Firmware Version 1.50

Support for Power Zoom

The camera now supports power zoom for use with power zoom (PZ) lenses. In addition to using the lens zoom ring, you now have the option of zooming power zoom lenses attached to the camera in and out using camera controls (“power zoom”).

■ ■ New Options for Custom Settings f2 and g2 “Custom Controls”

The power zoom role can be assigned to camera controls using options newly added to Custom Settings f2 and g2 [**Custom controls**]. These roles can be assigned to the **Fn1** and **Fn2** buttons.

Option		Description
PZ[T]	[Power zoom +]	This role can be assigned to the Fn1 button. Press the Fn1 button to zoom in using power zoom when a power zoom lens is attached. This option is enabled automatically when [Power zoom –] is selected for [Fn2 button].
PZ[W]	[Power zoom –]	This role can be assigned to the Fn2 button. Press the Fn2 button to zoom out using power zoom when a power zoom lens is attached. This option is enabled automatically when [Power zoom +] is selected for [Fn1 button].

■ New Custom Setting: f8 “Power Zoom (PZ) Button Options”

Choose whether the  and  (?) buttons can be used for power zoom during still photography when a power zoom lens is attached.

Option	Description
[Use  /  buttons]	Selecting [On] allows the  and  (?) buttons to be used for power zoom.
[Power zoom speed]	Choose the speed at which power zoom lenses can be zoomed in and out using the buttons.

■ New Custom Setting: g6 “Power Zoom (PZ) Button Options”

Choose whether the  and  (?) buttons can be used for power zoom during video recording when a power zoom lens is attached.

Option	Description
[Use  /  buttons]	Selecting [On] allows the  and  (?) buttons to be used for power zoom.
[Power zoom speed]	Choose the speed at which power zoom lenses can be zoomed in and out using the buttons; if desired, you can choose one speed for use during recording and another for pre- and post-recording. • Note that the sounds produced by the lens may be audible in footage recorded during zoom. The effect can be mitigated by selecting a slower zoom speed.

■ ■ New Setup Menu Item: “Save Zoom Position (PZ Lenses)”

If [On] is selected when a power zoom lens is attached, the camera will save the current zoom position when turned off and restore it when next turned on. Note that this may increase camera startup times.

■ ■ The Focal Length Display

The lens focal length is shown in the shooting display when a power zoom lens is attached.



