

En Features Available with “C” Firmware Version 1.40

Updating the Z 7II/Z 6II “C” firmware from version 1.30 to version 1.40 gives access to the features described below. For information on features available with prior updates, see the *Z 7II/Z 6II Reference Manual*.

“Firmware Version”

To view the camera firmware version or update the camera firmware, select [**Firmware version**] in the setup menu.

Updates can be performed using a computer or smart device.

- **Computer:** Check the Nikon Download Center for new versions of the camera firmware. Information on performing updates is available via the firmware download page.

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

- **Smart device:** If the smart device has been paired with the camera using the SnapBridge app, the app will automatically notify you when updates become available, and you can then download the update to the camera memory card via the smart device. For information on performing updates, see SnapBridge online help. Note that automatic notifications may not be displayed at exactly the same time as the updates are made available on the Nikon Download Center.

New Options for Custom Settings 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 for Custom Setting f2 [**Custom controls**]. Assign [**Save focus position**] to [**Lens Fn button**] and [**Recall focus position**] to [**Lens Fn2 button**] respectively to save and quickly restore the lens's current focus position using these controls (“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].

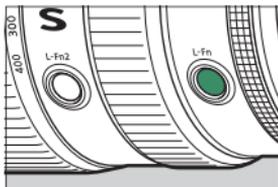


- 2 Select [Recall focus position] for Custom Setting f2 [Custom controls] > [Lens Fn2 button].



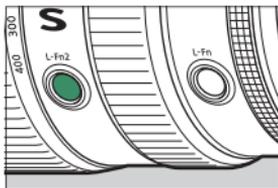
- 3 Focus on the desired subject in the shooting display and press and hold the lens Fn button.

A **FOCUS** icon will appear in the shooting display if the operation is successful.



- 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.
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✔ **Beep**

- If an option other than **[Off]** is selected for **[Beep options]** > **[Beep on/off]** in the setup menu, the camera will sound two short beeps when a focus position is saved or recalled in photo mode.
 - A beep does not sound in silent photography, video mode or when **[Off]** is selected for **[Beep options]** > **[Beep on/off]**.
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New Custom Setting: f9 “Focus Ring Rotation Range”

A [**Focus ring rotation range**] item has been added to the Custom Settings menu at position f9. Choose how far the focus or control rings on Z mount lenses must be rotated to go all the way from the minimum focus distance to infinity.

Option	Description
[Non-linear]	The focus distance changes by a large amount when the ring is rotated rapidly and by a small amount when the ring is rotated slowly, without regard to how far the ring is rotated.
[90°]	Choose how far the ring must be rotated to go all the way from the minimum focus distance to infinity. To take focus from the minimum distance to infinity when, for example, [90°] is selected, the ring need only be rotated 90°. Larger values permit finer adjustments.
[120°]	
[150°]	
[180°]	
[210°]	
[240°]	
[270°]	
[300°]	
[330°]	
[360°]	
[540°]	
[720°]	
[Max.]	Taking focus from the minimum focus distance to infinity requires rotating the ring the maximum distance permitted at current lens settings.

- If the lens does not support rotation range selection, [**Focus ring rotation range**] will be fixed at [**Non-linear**].

New Custom Setting: f10 “Switch Focus/ Control Ring Roles”

A [**Switch focus/control ring roles**] item has been added to the Custom Settings menu at position f10. If [**On**] is selected, the focus ring will perform the role currently assigned to the control ring.

- The function performed by the control ring can be selected using Custom Setting f2 or g2 [**Custom controls**].
- This option applies only to compatible lenses.

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**



OK.

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

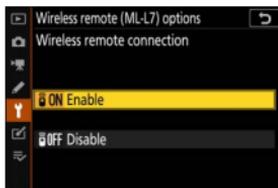
2 Keep the power button on the remote control pressed for over three seconds.

- 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

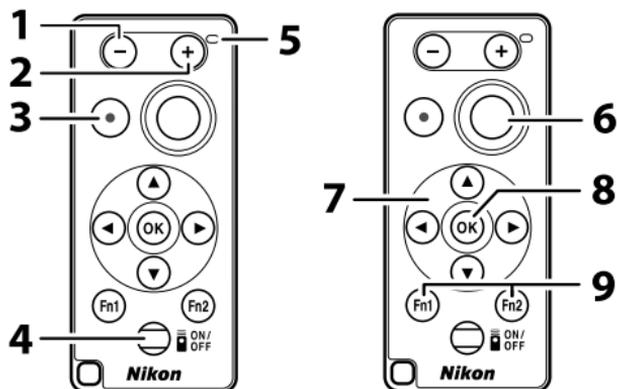
The [Wireless remote (ML-L7) options] item in the setup menu contains the following options:

- [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” (□ 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	<ul style="list-style-type: none"> • Press the button to turn the remote control on. <ul style="list-style-type: none"> - 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 7II/Z 6II)” (□ 12).
6	Shutter-release button	<p>Press the button to release the shutter.</p> <ul style="list-style-type: none"> • 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	Ⓚ (select) button	Performs the same function as the Ⓚ button on the camera.
9	Fn1 (Function 1)/Fn2 (Function 2) buttons	<p>Perform the roles assigned via the setup menu using [Wireless remote (ML-L7) options] > [Assign Fn1 button] and [Assign Fn2 button].</p> <ul style="list-style-type: none"> • 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 7II/Z 6II)

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, viewfinder, and control panel have all 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 power connector and 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.
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