



# BG-N7

## BATTERY GRIP

Designed For The Nikon D800/  
D800E SLR Cameras



USER'S MANUAL

# Introduction

Thank you for choosing Vello and congratulations on your new BG-N7 battery grip purchase. Enjoy the many benefits that a battery grip offers, such as extended shooting time and more control and comfort when shooting in a vertical (portrait) orientation.

The Vello BG-N7 is compatible with the Nikon D800/ D800E DSLR cameras. The BG-N7 accepts one Nikon EN-EL15 rechargeable battery, in addition to the camera's internal battery. Eight AA batteries (alkaline, Ni-MH, lithium, or nickel-manganese) can be used instead for added convenience. The BG-N7 is equipped with an alternate shutter-release button, AF-ON button, multi selector, and main and sub-command dials for shooting in a vertical position.

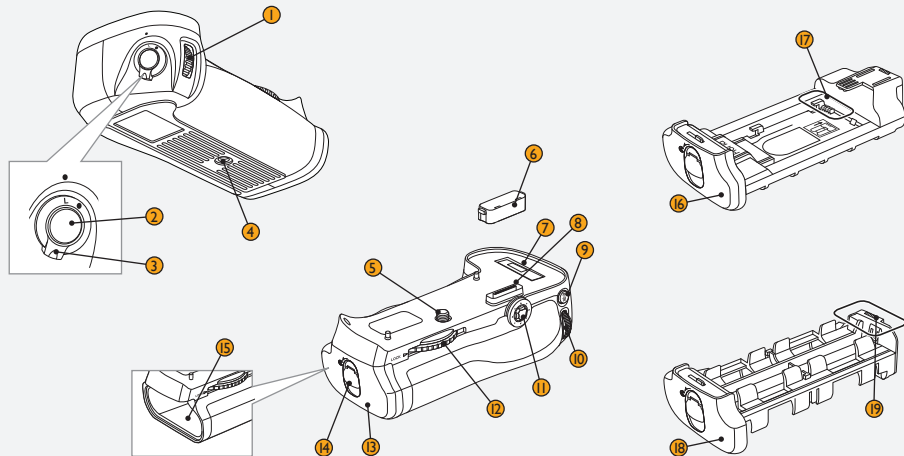
*Please read through this entire manual before using the BG-N7 battery grip.*



# Precautions

1. The BG-N7 should only be used with compatible devices specified in this manual.
2. Only use with batteries and battery holders recommended in this manual. The BG-N7 can not be used with other batteries or battery holders.
3. Cover the power terminal with the contact cap when the BG-N7 is not in use. This prevents electrical shorts caused by metal objects touching the power terminals.
4. When the battery holder is removed from the grip, remove the batteries or place the holder in a container to prevent electrical shorts caused by contact with other metal objects.
5. The memory card access lamp may light up when the BG-N7 is mounted or removed from the camera. This is part of the normal operation.
6. If you notice smoke, an unusual smell or noise from the battery pack, discontinue use immediately. Remove the batteries and take the device to a Vello authorized reseller.
7. The BG-N7 does not have a power switch. Instead, use the camera power switch to turn the power on or off.
8. The battery level may not display properly if batteries are inserted before mounting the grip.
9. Remove batteries from the grip when not in use.
10. Do not attempt to disassemble.
11. Avoid water or extreme humidity and keep in a dry and cool place.
12. Keep out of reach of children.

# Overview



**① Sub-Command Dial \***

**② Shutter-Release Button \***

**③ Control Lock Switch**

To prevent accidental triggering, the control lock switch locks the shutter-release button, AE-ON button, multi selector dial, as well as the main and sub-command dials on the BG-N7. Unlock prior to use by switching to the ● position. The control lock is not a power switch.

**④ Tripod Socket**

**⑤ Mounting Screw**

**⑥ Contact Cap**

**⑦ Camera Contact Cover Holder**

**⑧ Power/Signal Contacts**

**⑨ AF-ON Button \***

**⑩ Main Command Dial \***

**⑪ Multi Selector \***

**⑫ Locking Wheel**

**⑬ Battery Chamber Cover**

**⑭ Battery Chamber Latch**

**⑮ Battery Chamber**

**⑯ EN-EL15 Battery Holder**  
Holder for Nikon EN-EL15 batteries.

**⑰ Power Terminals (EN-EL15 Holder)**

**⑱ AA Battery Holder**

Holder for eight AA batteries.

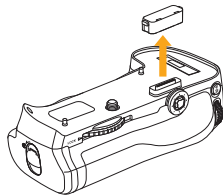
**⑲ Power Terminals (AA Holder)**

*\* These controls perform the same function as their on-camera equivalents and are affected by changes to the Custom Settings menu (Group a for the AF-ON button, Group f for other controls). See camera manual for details.*

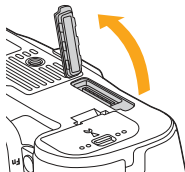
# Attaching The Grip



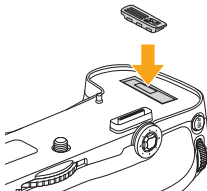
1. Ensure that the power is turned off on the camera and that the Control Lock on the BG-N7 is in the **L** position before attaching the grip.



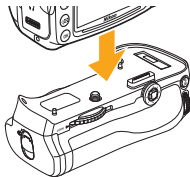
2. Remove the contact cap from the BG-N7 battery grip. Replace the cap when not in use to protect the contacts.



3. The contacts for the BG-N7 are on the bottom of the camera where they are protected by a contact cover. Remove the contact cover before mounting the grip.

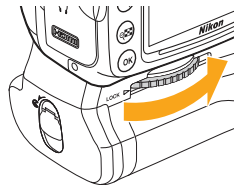


- 4.** To prevent loss, place the camera contact cover in the contact cover holder on the BG-N7.



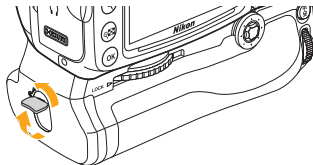
- 5.** Connect the BG-N7 grip to the camera, while aligning the grip's mounting screw with the camera's tripod socket.

*Removing the battery from the camera before mounting the grip is not required.*

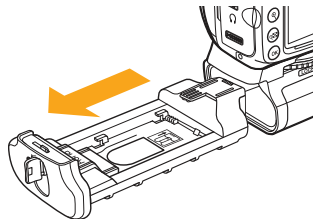


- 6.** Rotate the attachment wheel in the direction shown by the LOCK arrow until it is firmly tightened.

# Inserting Batteries

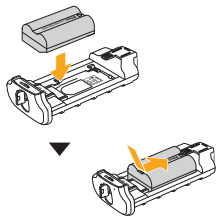


1. Ensure that the power is turned off on the camera and the Control Lock on the BG-N7 is in the **L** position. Turn the battery-chamber latch counter-clockwise to open the battery chamber door.

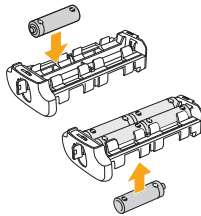


2. Remove the battery holder from the BG-N7 grip. The **EN-EL15** battery holder comes pre-installed when shipped.

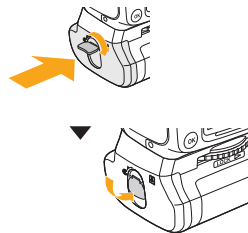




- 3. Nikon EN-EL15 Batteries:** Matching the indentations on the battery with the **EN-EL15** holder, press the battery down and slide it in the direction of the arrow until the power terminals click into place.



- 4. AA Batteries:** Place eight AA batteries of the same type in the **AA** battery holder as shown, while ensuring that they are in the correct orientation.











- 5.** Insert the battery holder into the grip. Close the battery chamber and then turn the latch clockwise to lock. Turn the camera on and check the battery level in the control panel or viewfinder.






# Battery Info

The camera displays the following battery levels .

## Nikon EN-EL15 Battery:

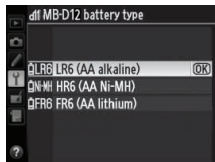
Control Panel	Viewfinder	Description
	—	Battery fully charged.
	—	Battery partially discharged.
		
		
		Low battery. Prepare spare batteries.
 (blinking)	 (blinking)	Battery exhausted. Shutter release is disabled.

## AA Batteries:

Control Panel	Viewfinder	Description
	—	Battery fully charged.
		Low battery. Prepare spare batteries.
 (blinking)	 (blinking)	Battery exhausted. Shutter release is disabled.

## AA Battery Settings

To ensure that the camera shows the correct battery level when AA batteries are used, choose the appropriate setting in the Custom Settings menu (Group d).

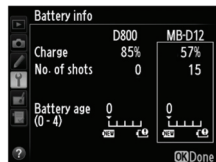


Battery Type	Menu Option To Select
AA alkaline (LR6)	LR6 (AA alkaline)
AA Ni-MH (HR6)	HR6 (AA Ni-MH)
AA Lithium (FR6)	FR6 (AA lithium)

*Note: The menu screens on this page are from the D800.*

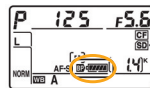
## Nikon Rechargeable Batteries

The camera can display information (including calibration information) for Nikon EN-EL15 batteries via the Battery Info option in the Setup Menu. Only battery levels are displayed for AA batteries.

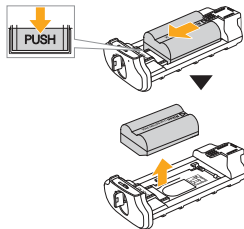


## Battery Order

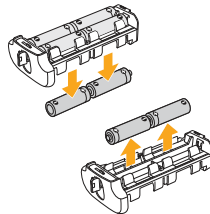
Set the order in which the internal camera and BG-N7 batteries are used via the Custom Settings menu (Group d). When the camera is drawing power from the BG-N7, a **BP** icon is displayed in the control panel.



# Removing The Batteries



1. **EN-EL15 Holder:** While pressing and holding the **PUSH** button on the holder, slide the battery toward the button and lift up to remove.



2. **AA Holder:** Remove the batteries one row at a time (as shown). Ensure that the batteries do not drop during this process.

# Battery & Power

## EN-EL15 Batteries

At low temperatures of about 50° F (10° C) and below, the Nikon EN-EL15 batteries will decrease in performance. Warming up a cold battery can recover some of the lost charge. AA batteries have less capacity and lose more performance at low temperatures.

## AA Batteries

In most cases, Nikon EN-EL15 battery will provide better performance than AA batteries when used in the Vello BG-N7. AA LR6 alkaline batteries have limited capacity. Performance of AA batteries decreases significantly at temperatures below 68 °F (20 °C) and is therefore not recommended.

*Remove the batteries when the BG-N7 is not in use.*

# Specifications

<b>Power Source</b>	One EN-EL15 rechargeable Li-ion battery or eight LR6 Alkaline, HR6 Ni-MH or FR6 Lithium AA batteries
<b>Operating Temperature</b>	32 – 104 °F (0 – 40 °C)
<b>Dimensions</b>	Approximately 150.8 × 54.8 × 77.4 mm/5.9 × 2.2 × 3.1 in.
<b>Weight</b>	Approximately 272.2 g (9.6 oz.), with EN-EL15 battery holder (excluding batteries)

*\* Approximate measurements.*

*Specifications and design are subject to change without notice.*





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