

## NEEWER Z3-N

# NEEWER Z3-N 100Ws 2.4G TTL Round Head Flash Speedlite Instruction Manual

Model: Z3-N | Brand: NEEWER

## 1. INTRODUCTION

The NEEWER Z3-N is a professional 100Ws 2.4G TTL Round Head Flash Speedlite designed for Nikon cameras. It features 1/8000s High-Speed Sync (HSS), a touch screen interface, and dual modeling lamps. This manual provides detailed instructions for its setup, operation, and maintenance to ensure optimal performance.

## 2. WHAT'S IN THE BOX

- 1 x NEEWER Z3-N Flash Speedlite
- 1 x Lithium Battery
- 1 x USB Cable
- 1 x Protective Case
- 1 x Dome Diffuser
- 1 x Mini Stand
- 1 x User Manual

# Flexible Flash Head

Bounce flashes in any direction

**0-330°**  
Horizontal Rotation

**-7-120°**  
Tilt



## Package Contents

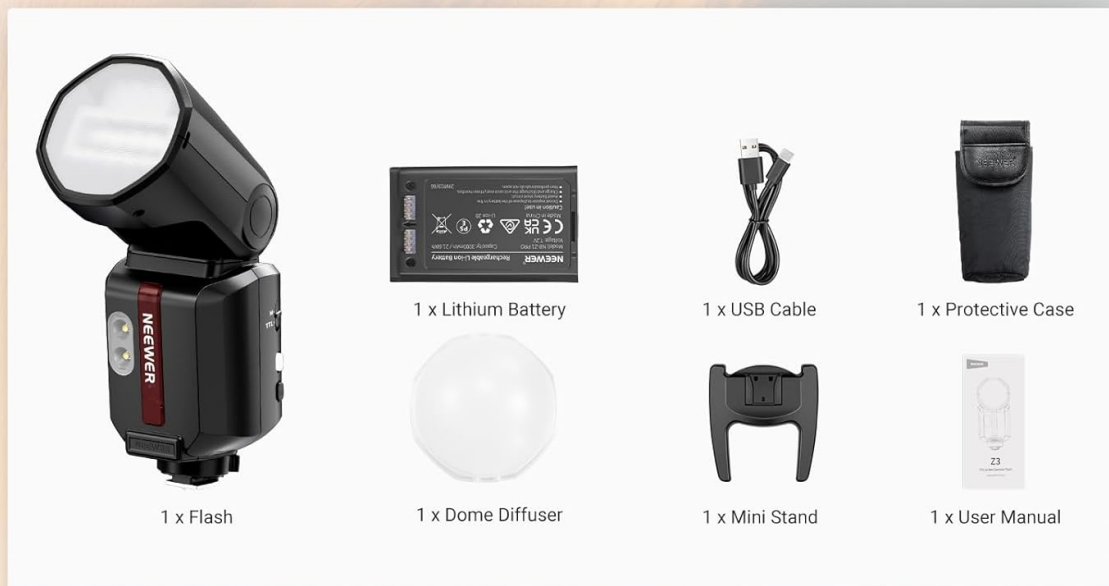


Image: Package Contents of the NEEWER Z3-N Flash Speedlite. This image displays the flash unit, a lithium battery, a USB-C cable, a protective pouch, a dome diffuser, a mini stand, and the user manual.

## 3. SETUP

### 3.1. Battery Installation

1. Locate the battery compartment on the side of the flash unit.
2. Press the release button and slide out the battery cover.
3. Insert the provided 3000mAh lithium battery, ensuring correct polarity.
4. Close the battery cover until it clicks securely into place.

### 3.2. Mounting on Camera

1. Slide the flash unit onto your Nikon camera's hot shoe mount.
2. Rotate the locking ring clockwise until the flash is securely fastened to the hot shoe.



Image: The NEEWER Z3-N Flash Speedlite attached to a Nikon camera, ready for use. This image highlights the compact design and how it integrates with the camera body.

## 4. OPERATING INSTRUCTIONS

### 4.1. Power On/Off

Press and hold the power button (usually located on the side or rear panel) to turn the flash on or off. The touch screen will illuminate upon activation.

### 4.2. Flash Modes

The Z3-N supports multiple flash modes for various photographic needs:

- **TTL Mode:** Through-The-Lens automatic flash, which measures the light through the camera lens to determine the correct flash output.
- **M (Manual) Mode:** Allows manual control over flash output from 1/256 to 1/1 power with 0.1EV precision.
- **RPT (Stroboscopic) Mode:** Fires a series of rapid flashes during a single exposure, ideal for capturing multiple movements of a subject.

## 3 FLASH CONTROL MODES

For creative and unique effects

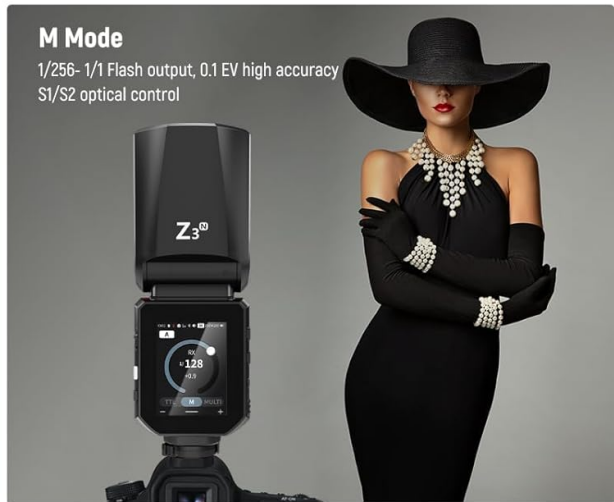
### TTL Mode

Precise automatic flashes based on ambient light conditions.



### M Mode

1/256- 1/1 Flash output, 0.1 EV high accuracy S1/S2 optical control



### RPT Mode

Stroboscopic flashes freeze a series of motions in one single picture.



Image: Visual representation of the three main flash control modes: TTL for automatic exposure, M for manual power adjustment, and RPT for stroboscopic effects to freeze motion.

### 4.3. High-Speed Sync (HSS)

The Z3-N supports 1/8000s HSS, allowing you to use flash at shutter speeds faster than your camera's native sync speed. This is useful for freezing fast action or overpowering ambient light outdoors.

### 4.4. Front/Rear Curtain Sync

Supports both front and rear curtain sync. Front curtain sync fires the flash at the beginning of the exposure, while rear curtain sync fires it at the end, creating different motion blur effects.

## 1/8000s HIGH SPEED SYNC

When shooting outdoors under strong light or using a large aperture, enabling High Speed Sync can effectively prevent overexposure while providing clear fill light on the subject.

Without HSS >



With 1/8000s HSS >



## FRONT & REAR CURTAIN

Easily synchronize shooting with front and rear curtains, allowing you to unleash your creativity



Front Curtain



Rear Curtain

Image: Demonstrates the effect of 1/8000s High-Speed Sync (HSS) in outdoor photography, showing how it can prevent overexposure. Also illustrates the difference between front curtain and rear curtain synchronization for capturing motion.

### 4.5. Modeling Lamps

Equipped with two 3300K LED modeling lamps offering 10 brightness levels. These lamps provide a continuous light source to preview lighting effects before taking a shot.

## COMPATIBLE WITH Nikon DSLR Cameras

Note: NOT compatible with D810

- Z9 Z8 ZFC ZF Z50 Z30 Z5 Z6 Z7 Z6II Z7II
- D4 D5 D6 D60 D70S D90 D100 D200 D300 D300S D500 D610 D700 D750 D780 D800 D850
- D3100 D3200 D3300 D3400 D3500 D5000 D5100 D5200 D5300 D5600 D7100 D7200 D7500



Compatible with the listed models, but you can try it with others to explore compatibility.



## 3300K±200K LED Modeling Lamp Dual Design lamp

Lv.1 - Lv.10  
Brightness Adjustment



Lv.1

Lv.10

Image: The NEEWER Z3-N flash unit highlighting its dual 3300K LED modeling lamps. A series of portraits demonstrates the effect of adjusting the modeling lamp brightness from Level 1 to Level 10.

### 4.6. Touch Screen Interface

The Z3-N features a large, high-definition color touch screen for intuitive control. Adjust power, mode, and modeling light settings directly on the screen. A dedicated TTL/M toggle switch is also available for quick mode changes.



Image: A detailed view of the NEEWER Z3-N's enhanced user interface, featuring a 2.8-inch high-definition color touch screen and a physical TTL/M mode switch for instant adjustments.

#### 4.7. Flexible Flash Head

The flash head can rotate horizontally from 0-330° and tilt from -7° to 120°, allowing for bounce flash and flexible lighting angles.

## Flexible Flash Head

Bounce flashes in any direction

**0-330°**  
Horizontal Rotation

**-7-120°**  
Tilt



## Package Contents

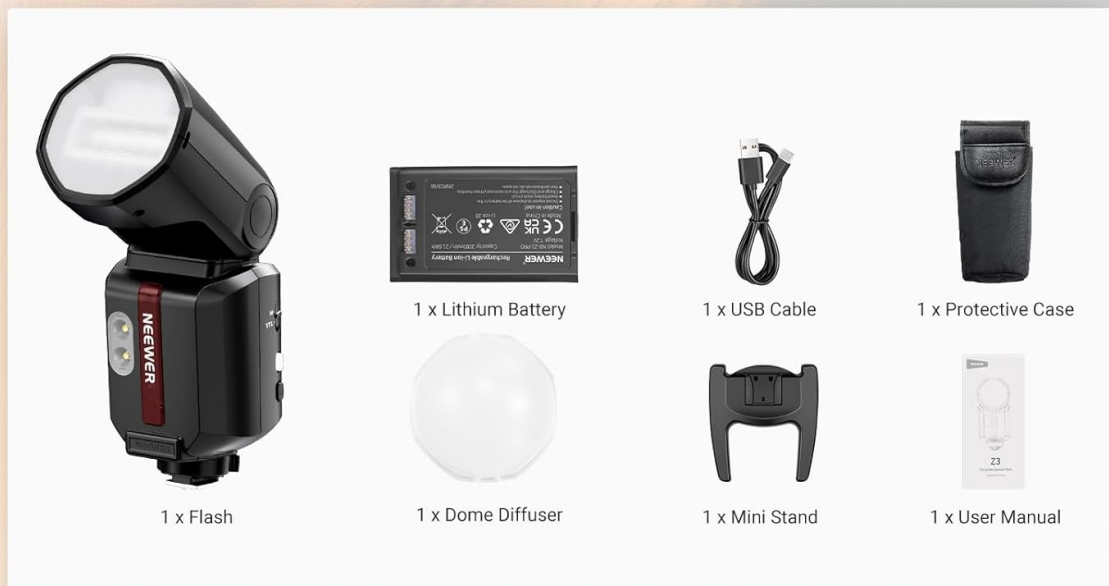


Image: An illustration demonstrating the flexible movement of the flash head, showing its 0-330° horizontal rotation and -7° to 120° tilt capabilities for versatile lighting.

## 5. BATTERY AND CHARGING

The Z3-N is powered by a 3000mAh lithium battery, providing up to 500 full-power flashes and a rapid recycle time of 1.7 seconds. The battery can be charged directly via the USB Type-C port on the flash unit or using an external charging dock (not included) for a full charge in approximately 2.5 hours.

# HIGH PERFORMANCE LITHIUM BATTERY



**7.2V / 3000mAh**  
Battery Capacity



**500**  
Full Flashes



**1.7s**  
Fast Recycling



## USB TYPE C CHARGING

Charge directly via Type C port



## USB TYPE C CHARGING DOCK

The battery can be fully charged in 2.5 hours using a 5V 2A USB charger (not included).



**2.5H**  
Full Charge

Note: The charging dock is not included.



Image: The NEEWER Z3-N flash unit connected via its USB Type-C port for charging, alongside an illustration of an external charging dock for the 7.2V/3000mAh lithium battery.

## 6. WIRELESS SYSTEM

The flash features a built-in 2.4G Wireless Q System, offering 4 control groups, 32 channels, and 99 IDs. It can function as both a master and slave unit for other Q flashes. It is also compatible with the Godox 2.4GX system (RX COMPAT) and can work as a slave unit with Xpro, X3, and X2 transmitters. Note that the Q system and X system cannot be used simultaneously, and a firmware update may be required for full compatibility.

# BUILT IN NEEWER 2.4G WIRELESS Q SYSTEM AND X SYSTEM

**4 Groups**  
(M, A, B, C)

**CH1-CH32**  
Channels

**1-99, OFF**  
IDs

**328ft / 100m**  
Transmission Distance



**Compatible with Godox 2.4G X SYSTEM & SEKONIC L-858D Light Meter (RT-GX modules)**

**RX MODE**

- Q and X systems cannot be used at the same time.
- Needs to be updated to the latest firmware



Image: A visual guide to the NEEWER 2.4G Wireless Q System, showing the Z3-N in TX/RX mode with various compatible NEEWER Q system flashes and its RX compatibility with Godox 2.4G X System and Sekonic L-858D Light Meter.

Video: An overview of the NEEWER 100Ws 2.4G TTL Hot Shoe Flash Speedlite, demonstrating its features and capabilities in various photography scenarios.

## 7. COMPATIBILITY

The NEEWER Z3-N is compatible with Nikon DSLR cameras, including models such as Z9, Z8, ZFC, Z50, Z5, Z6, Z7, Z6II, Z7II, D4, D5, D6, D60, D70S, D90, D100, D200, D300, D300S, D500, D610, D700, D750, D780, D800, D850, D3100, D3200, D3300, D3400, D3500, D5000, D5100, D5200, D5300, D5600, D7100, D7200, and D7500.

Note: Not compatible with D810.

## COMPATIBLE WITH Nikon DSLR Cameras

Note: NOT compatible with D810

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## 3300K±200K LED Modeling Lamp Dual Design lamp

Lv.1 - Lv.10  
Brightness Adjustment



Lv.1

Lv.10

Image: A list of Nikon DSLR camera models compatible with the NEEWER Z3-N flash, shown alongside a photographer using the flash with a Nikon camera.

## 8. MAINTENANCE

- Keep the flash unit clean and free from dust and moisture.
- Use a soft, dry cloth to clean the exterior. For the flash tube, use a lint-free cloth.
- Avoid dropping the unit or subjecting it to strong impacts.
- Store the flash in its protective case when not in use.
- Remove the battery if the flash will not be used for an extended period.

## 9. TROUBLESHOOTING

- **Flash not firing:** Ensure the battery is charged and correctly inserted. Check if the flash is securely mounted on the camera's hot shoe. Verify flash mode settings.
- **Inconsistent flash output:** Check battery level. Ensure the flash head is properly positioned. In wireless mode, confirm channel and group settings.
- **Overexposure/Underexposure:** Adjust flash exposure compensation (FEC) or manual power settings. Check camera's ISO, aperture, and shutter speed settings.
- **Wireless connection issues:** Ensure both master and slave units are on the same channel and group.

Check for obstructions between units.

## 10. SPECIFICATIONS

<b>Model</b>	Z3-N
<b>Item Type</b>	Speedlite Flash
<b>Compatibility</b>	Nikon
<b>Power</b>	100Ws
<b>Flash Output</b>	1/256 to 1/1
<b>Flash Sync Speed</b>	1/8000s HSS
<b>Sync Modes</b>	HSS (1/8000s), Front Curtain, Rear Curtain Sync
<b>Battery Capacity</b>	3000mAh
<b>Full Power Flashes</b>	Up to 500
<b>Recycle Time</b>	1.7s
<b>Recharge Time</b>	2.5 Hours (via charging dock)
<b>Color Temperature</b>	6000K (±200K)
<b>Modeling Lamp Color Temp.</b>	3300K (±200K)
<b>Modeling Lamp Brightness Levels</b>	10
<b>Wireless Function</b>	Master Unit Transmits up to 100m, Slave Unit Receives Signal
<b>Control Methods</b>	Button, 2.8" Color Screen
<b>Dimensions</b>	2.9" x 3.1" x 8.3" (73x76x211mm)
<b>Weight (including battery)</b>	1.37lb / 629g

## 11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official NEEWER website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.