

NEEWER Z880-N

NEEWER Z880-N i-TTL Camera Flash Speedlite User Manual

Model: Z880-N

1. INTRODUCTION

The NEEWER Z880-N is a versatile 2.4G 76Ws i-TTL Camera Flash Speedlite designed for Nikon cameras. It features a high guide number, multiple flash modes, and a built-in wireless Q system for flexible lighting control. This manual provides instructions for setup, operation, and maintenance to ensure optimal performance.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Z880 Flash Speedlite
- 1 x Battery (7.2V 3000mAh rechargeable lithium battery)
- 1 x Protective Case
- 1 x USB Cable (for firmware updates)
- 1 x Mini Stand

FLEXIBLE FLASH HEAD

Bounce flashes in any direction

0-330°

Horizontal Rotation

-7 - 120°

Tilt



PACKAGE CONTENTS



Image: Contents of the NEEWER Z880-N Flash Speedlite package.

3. SETUP

3.1 Battery Installation and Charging

1. Insert the provided 7.2V 3000mAh rechargeable lithium battery into the battery compartment of the flash unit. Ensure correct polarity.
2. For optimal battery longevity, fully charge the device before first use. Connect the flash to a 5V 2A USB charger (not included) using the supplied USB cable. A full charge takes approximately 2.5 hours.

HIGH BATTERY POWER

The removable 3000mAh large capacity lithium battery can easily cope with long term shooting needs.



Approx. 600
Full Power Flashes



1.5s
Fast Recycling

CONVENIENT USB CHARGING

The battery can be fully charged in 2.5 hours with a 5V 2A USB charger (not included). Firmware update is available via the USB Type C port



2.5H
Full Charge Time



Image: Battery installation and USB-C charging port on the flash unit.

3.2 Mounting on Camera

1. Slide the flash unit onto your Nikon camera's hot shoe mount.
2. Secure the flash by tightening the locking mechanism on the hot shoe foot.

3.3 Initial Power-On

Press and hold the power button to turn on the flash. The HD LCD screen will display the current settings.

4. OPERATING MODES

The Z880-N offers various flash modes to suit different photographic needs.

4.1 i-TTL (Automatic) Mode

In i-TTL mode, the flash automatically meters the light for correct exposure. Exposure compensation of ± 3 stops (19 levels) is available for fine-tuning.

4.2 M (Manual) Mode

Manual mode allows precise control over flash output, from 1/256 to 1/1 power (81 levels). This mode also supports S1/S2 optical slave functions.

4.3 RPT (Stroboscopic) Mode

RPT mode enables custom stroboscopic flashes, firing up to 100 times at 199Hz for creative motion effects.



Image: Flash unit showing RPT (stroboscopic) mode in action.

4.4 High-Speed Sync (HSS)

The flash supports 1/8000s HSS, allowing you to use wider apertures in bright conditions or freeze fast motion effectively.

1/8000s HIGH SPEED SYNC

When shooting outdoors under strong lighting or using a large aperture, turning on high speed sync can effectively avoid overexposure of the picture while providing a clear fill in light effect for the subject.



FRONT & REAR CURTAIN

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



Image: Visual comparison of HSS effect.

4.5 Front/Rear Curtain Sync

Utilize front or rear curtain sync for creative effects with moving subjects, capturing motion trails either before or after the main flash.

4.6 TCM Quick Switch

A dedicated TCM switch allows for quick conversion between i-TTL automatic metering and M manual metering, providing flexibility for precise adjustments based on initial automatic readings.

4.7 Modeling Lamp

The integrated LED modeling lamp features 10 dimming levels (3300K \pm 200K) to assist in previewing lighting effects before taking a shot.

5. WIRELESS Q SYSTEM

The Z880-N features a built-in 2.4G NEEWER Q System for wireless flash control.

- **Master Groups (TX):** 4 groups (M/A/B/C)
- **Slave Groups (RX):** 5 groups (A/B/C/D/E, D/E for QPro triggers)
- **Channels:** 32 channels (1-32)
- **IDs:** 99 IDs (1-99)
- **Transmission Distance:** Up to 328 feet (100m) without obstacles.

The Z880-N can function as both a master and slave unit within the Q system and is compatible with the QPro-N Trigger (sold separately) for advanced wireless control. It also offers compatibility with Godox 2.4G X system.

BUILT IN 2.4G NEEWER Q SYSTEM

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

328ft / 100m
Transmission Distance

CH1-CH32
ID 1-99

5 Groups (RX)
A, B, C, D, E

NOTE: Only the Z880-N Flash Speedlite is included.



TX Mode



RX Mode

[QPRO-N Trigger Purchase Separately]

Image: Overview of the NEEWER 2.4G Wireless Q System.

6. FLEXIBLE FLASH HEAD

The flash head offers extensive flexibility for bouncing light and creative positioning:

- **Horizontal Rotation:** 0° to 330°
- **Vertical Tilt:** -7° to 120°

7. COMPATIBILITY

The NEEWER Z880-N is compatible with a wide range of Nikon DSLR and mirrorless cameras, including but not limited to:

- **Z Series:** Z9, Z8, Z7II, Z7, Z6III, Z6II, Z6, Z5II, Z5, Z50II, Z50, Zfc, Zf, Z30
- **D Series:** D6, D5, D4, D850, D800, D780, D750, D700, D610, D300, D200, D100, D90, D70S, D60, D7500, D7100, D5600, D5300, D5200, D5100, D5000, D3500, D3400, D3300, D3200, D3100

Note: Not compatible with Nikon D810.

The flash head also works with various NEEWER circular flash accessories and mounts (e.g., CRB1, CRS6, SFR2, NS-HC, NS-0605, NS-0504, NS-0907, NS5P, CRS14, CRS4, CRS2, CRS3, CRS7) for diverse lighting effects.

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 listed models, but feel free to test and experience others.



3300K LED MODELING LIGHT

Lv.1 - Lv.10
Brightness Adjusted 



Image: Compatibility with Nikon DSLR cameras.

8. TROUBLESHOOTING

If you encounter issues with your NEEWER Z880-N flash, consider the following:

- **Flash Not Firing:** Ensure the flash is securely mounted on the camera's hot shoe. Check battery level and ensure it is fully charged. Verify that the flash is powered on and in the correct mode (i-TTL or M).
- **Incorrect Exposure:** In i-TTL mode, check exposure compensation settings. In M mode, adjust flash

output manually. Ensure the camera's ISO, aperture, and shutter speed settings are appropriate for flash photography.

- **Wireless Communication Issues:** Verify that master and slave units are set to the same channel and ID. Ensure there are no significant obstacles between units. Check battery levels on all units.
- **Slow Recycle Time:** This typically indicates a low battery. Recharge the battery fully.
- **Flash Overheating:** If the flash fires rapidly in succession, it may enter an overheating protection mode. Allow the unit to cool down before resuming use.

9. MAINTENANCE

Proper maintenance ensures the longevity and performance of your flash unit:

- **Cleaning:** Use a soft, dry cloth to clean the flash body. For the flash tube and LCD screen, use a lens cleaning cloth and appropriate cleaning solution if necessary. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the flash in its protective case in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.
- **Battery Care:** Fully charge the battery before long-term storage and recharge it every 3-6 months to prevent deep discharge.
- **Firmware Updates:** Periodically check the NEEWER official website for firmware updates. Updates can be installed via the USB-C port using the provided cable.

10. SPECIFICATIONS

Feature	Specification
Model	Z880-N
Maximum Flash Power	76Ws
Guide Number	GN60 (ISO100, 200mm)
Flash Coverage	20-200mm (auto zoom, manual zoom)
Flash Duration	1/300s - 1/20000s
Flash Color Temperature	5600K ± 200K
Recycle Time	Approx. 1.5s
Full Power Flashes	Approx. 600
Exposure Control System	i-TTL automatic flash, Manual flash
Exposure Compensation	±3 stops in 1/3 stop increments
Synchronization Mode	High-speed sync (up to 1/8000s), Front curtain sync, Rear curtain sync
Strobe Flash	Custom (up to 100 times, 199Hz)
Wireless Functions	TX, RX, OFF
Main Control Unit Groups	M, A, B, C

Feature	Specification
Controllable Slave Unit Groups	A, B, C, D, E (D/E for QPro series flash triggers)
Transmission Range	Up to 100m (no obstruction)
Channel	01-32
ID	01-99
Built-in Battery	7.2V / 3000mAh Lithium battery
Modeling Light Power	2W
Modeling Light Color Temperature	3300K ± 200K
Size	60 x 76 x 212mm
Net Weight	427g
Weight (including battery)	567g

11. WARRANTY AND SUPPORT

The NEEWER Z880-N Camera Flash Speedlite comes with a **1-Year Manufacturer Warranty**.

For technical support, warranty claims, or further inquiries, please visit the official NEEWER website or contact their customer service department. You can find more information and products at the [NEEWER Store on Amazon](#).