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› [NEEWER](#) /

› NEEWER Z880-C 2.4G 76Ws TTL Camera Flash Speedlite User Manual for Canon

NEEWER Z880-C

NEEWER Z880-C 2.4G 76Ws TTL Camera Flash Speedlite User Manual for Canon

This manual provides detailed instructions for the setup, operation, and maintenance of your NEEWER Z880-C TTL Camera Flash Speedlite.

1. PRODUCT OVERVIEW

The NEEWER Z880-C is a versatile 2.4G 76Ws TTL camera flash speedlite designed for Canon cameras. It features a high guide number of GN60, a powerful 76Ws output, and a fast recycling time of 1.5 seconds. The flash includes an upgraded user interface (UI) for intuitive control and an adjustable modeling lamp with 10 dimming levels.



Image 1.1: NEEWER Z880-C TTL Camera Flash Speedlite and included accessories.

Key features include:

- **76Ws Maximum Output & GN60 Guide Number:** Provides ample power for various lighting scenarios.
- **5600K±200K Cool Daylight:** Ensures consistent color temperature.
- **1/180s-1/20000s Flash Duration:** Capable of freezing fast motion.
- **1.5s Fast Recycling Time:** Minimizes wait time between flashes.
- **20-200mm Focal Length:** Automatically or manually adjustable zoom.
- **7.4V/2600mAh Rechargeable Battery:** Offers approximately 480 full power flashes.
- **Upgraded HD LCD Screen and UI:** For easy navigation and control.
- **TCM Switch:** Quick conversion between TTL and Manual modes.
- **10-Level LED Modeling Lamp:** Aids in previewing light effects.
- **Flexible Flash Head:** Tilts -7° to 120° and rotates 0° to 330° for bounce flash.
- **Built-in 2.4G Wireless Q System:** Supports master/slave functionality with other Q system flashes.



Image 1.2: Overview of the NEEWER Z880-C's key features including guide number, flash power, TCM function, full power flashes, zoom range, and high-speed sync.

2. PACKAGE CONTENTS

The following items are included with your NEEWER Z880-C Speedlite:

- 1 x Z880 Flash Speedlite
- 1 x Protective Case
- 1 x Mini Stand
- 1 x USB Cable
- 1 x Wall Charger
- 1 x USB Charging Base
- 1 x Battery

FLEXIBLE FLASH HEAD

Bounce flashes in any direction

0-330°

Horizontal Rotation

-7 - 120°

Tilt



PACKAGE CONTENTS



Image 2.1: Visual representation of all items included in the NEEWER Z880-C package.

3. SETUP

3.1 Battery Installation

1. Open the battery compartment cover on the side of the flash unit.
2. Insert the provided 7.4V/2600mAh Lithium-Ion battery, ensuring correct polarity.
3. Close the battery compartment cover securely.

3.2 Mounting the Speedlite on Camera

1. Ensure your camera is powered off.
2. Slide the Z880-C Speedlite's hot shoe into your camera's hot shoe mount.
3. Rotate the locking ring on the speedlite clockwise until it is securely fastened to the camera.
4. Power on the camera, then power on the speedlite.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the physical features of the NEEWER Z880-C, including battery installation,

mounting on a camera, and basic operation of the UI and flash modes.

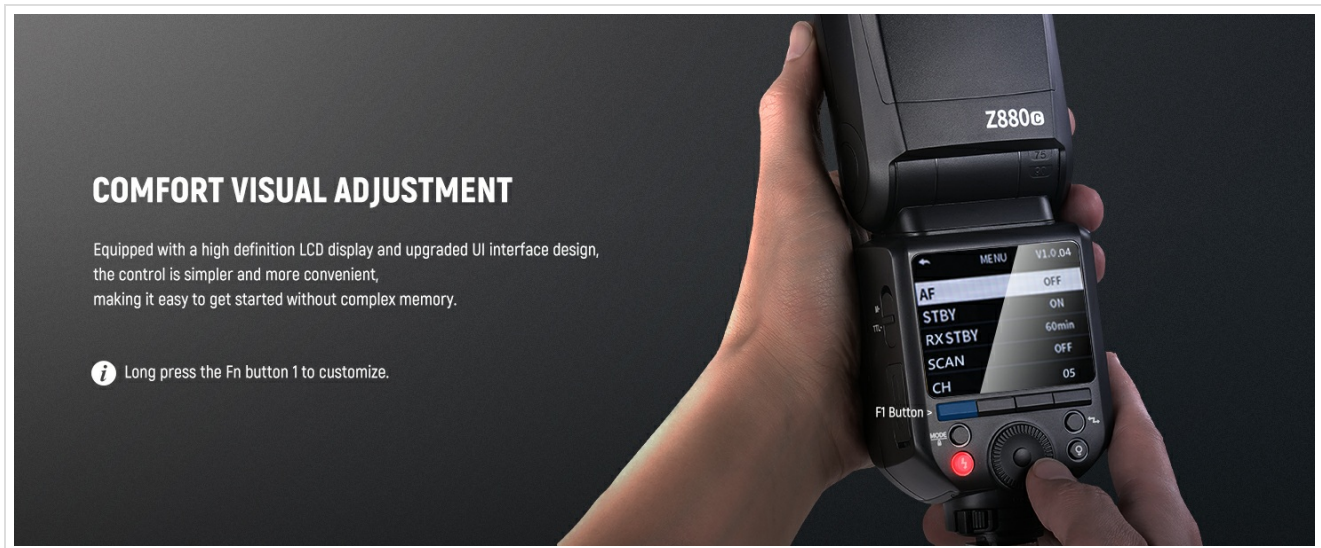
4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button (usually marked with a circle and a line) to turn the flash on or off. The HD LCD screen will illuminate upon power-on.

4.2 User Interface Navigation

The Z880-C features an intuitive UI. Use the directional buttons and dial to navigate through menus and adjust settings. The LCD screen displays current mode, power output, zoom, battery status, and other relevant information.



COMFORT VISUAL ADJUSTMENT

Equipped with a high definition LCD display and upgraded UI interface design, the control is simpler and more convenient, making it easy to get started without complex memory.


 Long press the Fn button 1 to customize.

Image 4.1: Close-up view of the NEEWER Z880-C's upgraded user interface, showing clear display and control buttons.

4.3 Flash Modes

The Z880-C supports multiple flash modes:

- **TTL (Through-The-Lens) Auto Mode:** The flash automatically determines the correct exposure. Supports ± 3 exposure compensation (19 levels).
- **M (Manual) Mode:** Allows manual adjustment of flash output from 1/256 to 1/1 (81 levels). Includes S1/S2 optical slave modes.
- **RPT (Stroboscopic) Mode:** Enables up to 100 stroboscopic flashes at 199Hz, capturing a sequence of movement.

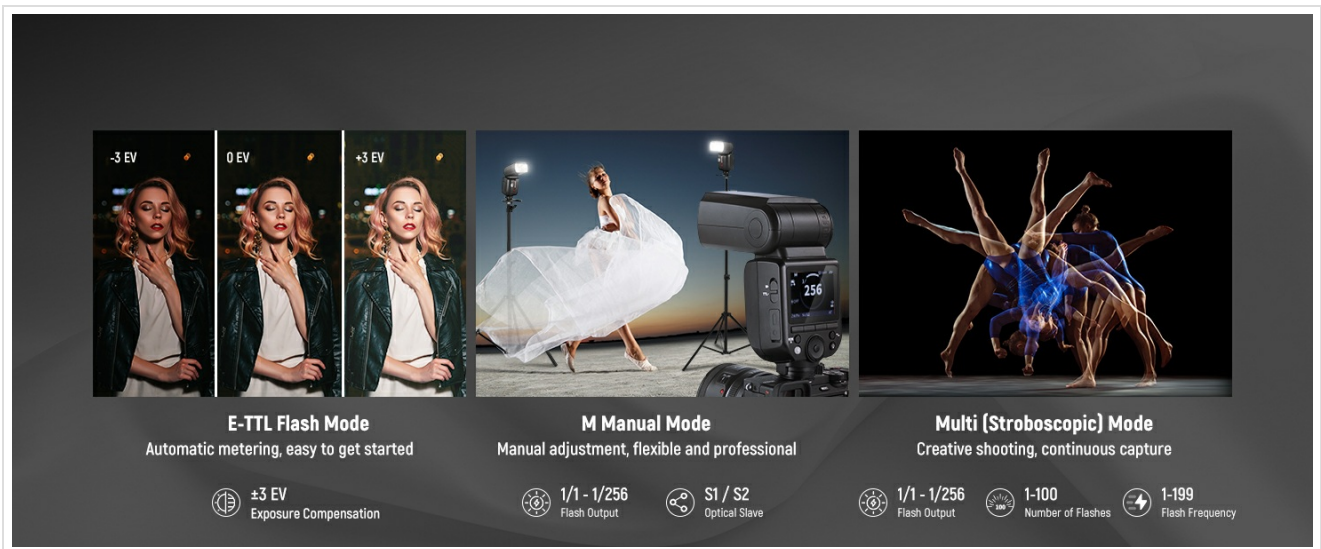


Image 4.2: Illustration of the E-TTL, Manual, and Multi (Stroboscopic) flash modes available on the Z880-C.

4.4 TCM Quick Switch

Use the dedicated TCM switch to quickly toggle between TTL and Manual modes. This allows for fine-tuning based on automatic metering.

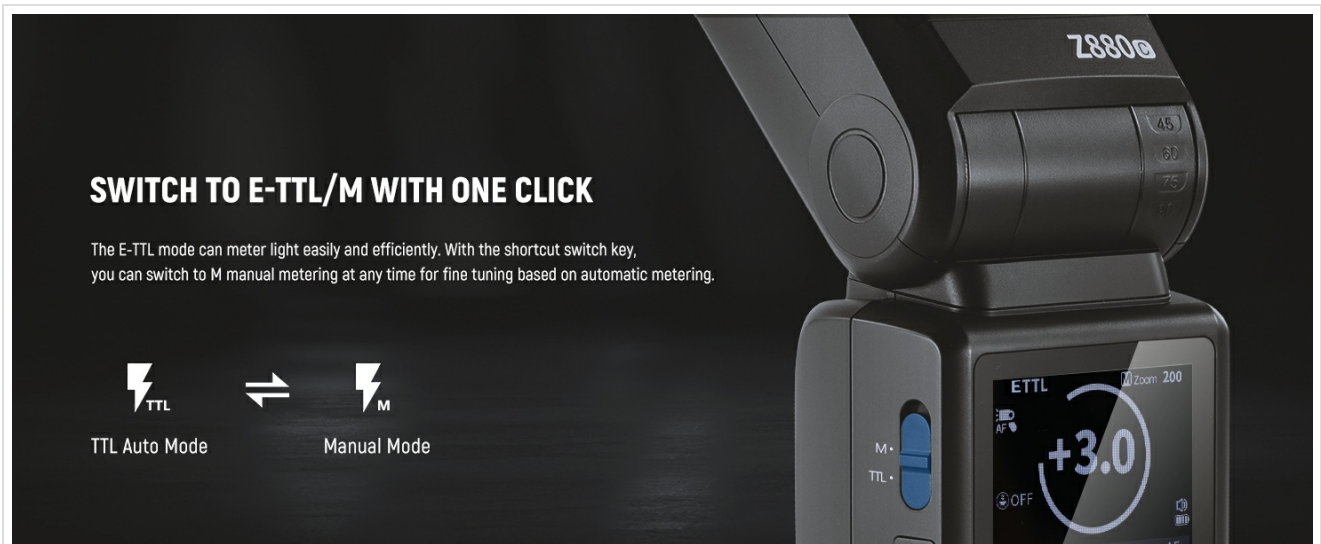


Image 4.3: The TCM switch on the NEEWER Z880-C allows for quick conversion between TTL and Manual modes.

4.5 High-Speed Sync (HSS)

The Z880-C supports 1/8000s HSS, front/rear curtain sync, and FEC/FEB (flash exposure compensation/bracketing). HSS is useful for shooting outdoors under strong lighting or using a large aperture, helping to avoid overexposure while providing fill light.

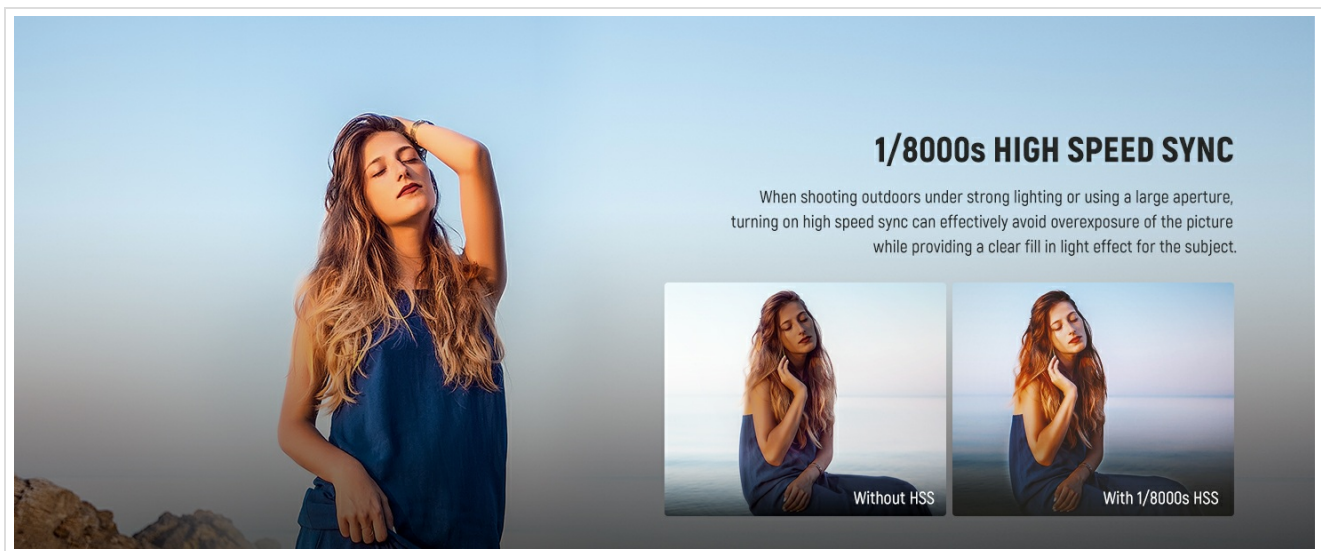


Image 4.4: Comparison showing the effect of 1/8000s HSS for balanced exposure in bright conditions.

4.6 Modeling Lamp

The integrated LED modeling lamp offers 10 adjustable brightness levels (LV1-LV10) at 3300K±200K. This allows you to observe light and shadow effects in real-time before taking a shot.



Image 4.5: The 10-level LED modeling light on the Z880-C, demonstrating adjustable brightness for light preview.

4.7 Wireless Q System

The Z880-C features a built-in 2.4G NEEWER Q System, allowing it to function as both a master and slave unit. It supports 4 master groups (A/B/C/D), 5 slave groups (A/B/C/D/E), 32 channels (1-32), and 99 IDs (1-99). This enables wireless flash synchronization within 328'/100m (without obstacles) when used with compatible Q system triggers (e.g., QPRO-C Trigger, sold separately).



Image 4.6: Diagram illustrating the NEEWER 2.4G Wireless Q System with TX (transmitter) and RX (receiver) modes, showing compatibility with various NEEWER flash units.

5. MAINTENANCE

5.1 Battery Charging

The 7.4V/2600mAh rechargeable battery can be charged using the included USB charging base and wall charger. A full charge typically takes approximately 3.5 hours.

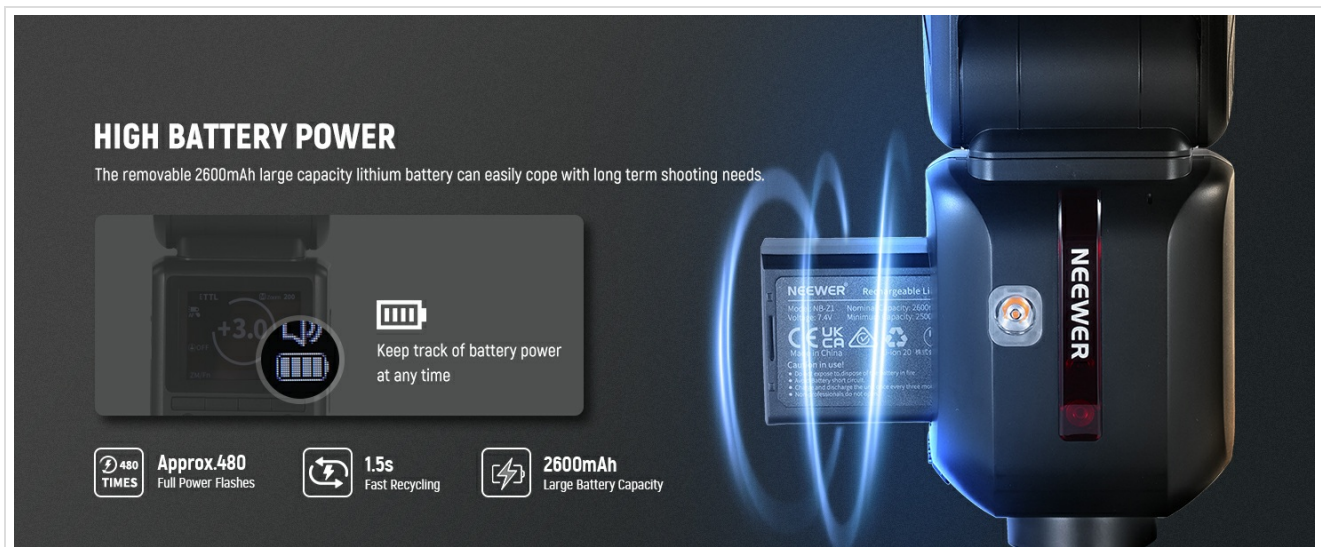


Image 5.1: Illustration of the removable 2600mAh battery and its charging process, highlighting approximately 480 full power flashes and 1.5s fast recycling.

5.2 Cleaning

To clean the flash unit, use a soft, dry cloth. For stubborn marks, a slightly damp cloth can be used, followed by immediate drying. Avoid using harsh chemicals or abrasive materials.

5.3 Storage

When not in use for extended periods, remove the battery and store the flash in a cool, dry place, preferably in its protective case.

6. TROUBLESHOOTING

- **Flash not firing:** Ensure the battery is charged and correctly installed. Check if the flash is securely mounted on the camera's hot shoe. Verify camera and flash settings are compatible (e.g., flash mode, sync speed).
- **Inconsistent exposure:** Check flash mode (TTL for automatic, M for manual control). Adjust flash exposure compensation if in TTL mode. Ensure the flash head is positioned correctly for bounce or direct flash.
- **Wireless communication issues:** Verify that both the master and slave units are set to the same group, channel, and ID. Ensure there are no significant obstacles between the units. Check battery levels on all units.
- **Flash overheating:** Continuous high-power flashes can cause the unit to overheat. Allow the flash to cool down if an overheating warning appears. Reduce flash power or increase the interval between flashes.

7. SPECIFICATIONS

Feature	Specification
Model	Z880-C
Maximum Flash Power	76Ws
Guide Number	GN60
Flash Coverage	20-200mm, auto zoom, manual zoom
Lamp Head Rotation Angle	0°-330° (horizontal)
Lamp Head Tilt Angle	-7°-120° (vertical)
Flash Duration	1/180s-1/20000s
Flash Color Temperature	5600K (±200K)
Exposure Control System	E-TTL automatic flash, manual flash
Flash Exposure Compensation	Manual, flash bracketing; adjustable in 1/3 stop increments between ±3 stops
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 Group	A, B, C, D
Controllable Slave Unit Groups	A, B, C, D, E (Group D and E can be controlled by Q PRO series flash triggers)
Transmission Range	Up to about 100m (no obstruction)
Channel	01-32
ID	01-99
Effective Range of Autofocus Auxiliary Light	0.6-10m/edge: 0.6-5m
Built-in Battery	7.4V/2600mAh lithium battery
Recycle Time	About 1.5s (red light turns on when flash resumes)

Number of Flashes at Full Power	About 480 times
Synchronous Trigger	Hot shoe, 2.5mm sync cable
Modeling Light Power	2W
Modeling Light Color Temperature	3300K±200K
Size	60 x 76 x 212mm
Net Weight	427g
Weight (including battery)	547g

8. COMPATIBILITY

The NEEWER Z880-C Speedlite is compatible with a wide range of Canon cameras, including but not limited to:

- Canon R8, R6, R5, R3, R, M6
- Canon 850D, 800D/T7i, 760D/T6s, 750D/T6i, 650D, 600D
- Canon 7D Mark II, 7D, 6D Mark II, 6D, 5D Mark IV/III/II
- Canon 1D Mark III, 1DX, 550D, 500D, 450D
- Canon 90D, 80D, 70D, 60D, 50D, 1100D, 77D
- Canon SL3/250D, T7/1500D, 2000D, T100/3000D, 4000D

Note: This flash is **NOT** compatible with Canon RP and R50 cameras.

COMPATIBLE WITH CANON DSLR CAMERAS

NOT compatible with Canon RP R50

- COMPATIBLE WITH CANON R8 R6 R5 R3 R M6 850D 800D T7i 760D T6S
- 750D T6i 650D 600D 7D MARK II 7D 6D MARK II 6D 5D MARK IV III II 1D MARK III 1DX
- 550D 500D 450D 90D 80D 70D 60D 50D 1100D 77D SL3 250D T7 1500D 2000D T100 3000D 4000D



Compatible with the above but not limited to, other models can be tested and experienced by yourself.



3300K LED MODELING LIGHT

Lv.1 - Lv.10
Brightness Adjusted 



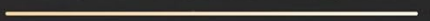
Lv.1  Lv.10

Image 8.1: The NEEWER Z880-C flash mounted on a compatible Canon camera.

9. 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 warranty claims.