

The **Neewer NW-655C** is a much more modern flash than the NW-565C. It adds **High-Speed Sync (HSS)**, a **2.4 GHz wireless system**, and can function as either a **wireless master or slave**. It's comparable to a mid-range Canon Speedlite in features. ([Manuals+](#))

A complete manual is available here:

- [NEEWER NW655 User Manual \(PDF viewer\)](#)
- [Manuals+ version with text and illustrations](#)

Neewer NW-655C Quick Reference

Specifications

- Guide Number: **GN 60 (ISO 100, 200 mm)**
- TTL: Canon E-TTL / E-TTL II
- Manual power: **1/1 to 1/128** (1/3-stop increments)
- High-Speed Sync: **up to 1/8000 s**
- Flash Exposure Compensation: ± 3 EV
- Stroboscopic (MULTI) mode
- Built-in **2.4 GHz wireless**
- Optical slave (S1/S2)
- Zoom: **20–200 mm**, plus built-in 14 mm diffuser
- Power: 4 AA batteries
- Recycle: about 2–3 seconds with NiMH cells. ([Manuals+](#))

Buttons

MODE

- TTL
- M
- MULTI

ZOOM

- Auto/manual zoom selection.

SET

- Confirms settings.

Directional buttons

- Adjust flash power
- Flash exposure compensation
- Wireless parameters
- Menu items

Pilot

- Ready indicator
- Test flash

TTL Mode

Best for changing conditions.

1. MODE → TTL
2. Half-press shutter.
3. Camera and flash exchange exposure data.
4. Shoot.

Supports:

- Flash Exposure Compensation
- Flash Exposure Lock (FEL)
- Second-curtain sync
- High-Speed Sync
- Modeling flash (Depth-of-field preview on compatible cameras). ([device.report](#))

Manual Mode

MODE → M

Power:

- 1/1
- 1/2
- 1/4
- 1/8
- 1/16

- 1/32
- 1/64
- 1/128

Adjustments are in 1/3-stop increments.

Typical indoor start:

- ISO 200
- f/5.6
- 1/160 s
- 1/16 power

High-Speed Sync (HSS)

One of the biggest improvements over the NW-565.

Enable HSS on the flash (or from the camera menu if supported).

Now you can use:

- 1/500 s
- 1/1000 s
- 1/2000 s
- 1/4000 s
- 1/8000 s

Ideal for:

- daylight portraits
- wide apertures
- freezing motion outdoors. ([device.report](#))

Wireless Radio (2.4 GHz)

Unlike the NW-565, the NW-655 has a built-in radio transceiver.

It can operate as:

- **Master**
- **Slave**
- **Off**

Configure:

- Channel
- Group (A/B/C)
- Wireless mode

Compatible with Neewer Q-series triggers such as the **Q-C** (Canon) and related transmitters. ([device.report](#))

Optical Slave

Also supports:

S1

- Fires on first detected flash.

S2

- Ignores TTL preflash.

Useful if you don't have radio triggers.

Zoom

Auto Zoom follows the lens.

Manual settings:

20

24

28

35

50

70

85

105

135

200 mm

A built-in wide panel covers approximately **14 mm**.

Bounce

Tilt:

- -7°
- 0°
- 90°

Rotate:

- 270°

For portraits:

- $75\text{--}90^{\circ}$ upward
- White ceiling whenever possible.

Custom Functions

The NW-655 includes custom settings for items such as:

- Auto power-off behavior
- Beeper on/off
- LCD backlight
- Wireless defaults

Access via the **Fn** menu. ([Manuals+](#))

Protection

The flash monitors temperature.

If heavily used:

- recycle time increases
- firing may pause until cooled

Allow a few minutes of rest after repeated full-power bursts.

Recommended Settings

Indoor events

- TTL

- Auto Zoom
- Bounce 90°
- FEC +2/3 EV

Outdoor fill flash

- TTL
- HSS ON
- 1/1000–1/4000 s
- FEC –1 EV

Portraits (manual)

- ISO 100
- f/5.6
- 1/200 s
- 1/16 power

Off-camera

- Radio Slave
- Channel 1
- Group A
- Manual 1/8 power

NW-565C vs. NW-655C

Feature	NW-565C	NW-655C
TTL	✓	✓
Manual	✓	✓
HSS (1/8000 s)	✗	✓
Radio wireless	✗	✓ (master/slave)
Optical slave	✓	✓
Zoom	24–105 mm	20–200 mm
Built-in diffuser	✗	✓
Master mode	✗	✓

For Canon users, the NW-655C is a significant upgrade. The addition of HSS and integrated radio triggering makes it much more flexible for both on-camera event photography and off-camera portrait lighting.