NEEWER Z3-S

NEEWER Z3-S 100Ws 2.4G TTL Hot Shoe Flash Speedlite User Manual

Model: Z3-S

1. Introduction

Thank you for choosing the NEEWER Z3-S 100Ws 2.4G TTL Hot Shoe Flash Speedlite. This professional speedlite is designed to provide powerful and versatile lighting solutions for Sony cameras, featuring advanced functions like 1/8000s High-Speed Sync (HSS), a responsive touch screen interface, and a robust wireless system. This manual provides essential information for safe operation, setup, and optimal use of your flash unit.



Image 1.1: NEEWER Z3-S Speedlite mounted on a camera.

2. Safety Information

- Do not disassemble or modify the flash unit. Repairs should only be performed by authorized service personnel.
- Keep the unit dry. Do not expose it to rain, moisture, or high humidity.
- Avoid direct eye exposure to the flash. The intense light can cause temporary vision impairment.
- Keep out of reach of children.
- Use only the specified battery and charging accessories. Improper use can lead to fire or explosion.
- Ensure the flash is securely mounted to the camera hot shoe or light stand to prevent accidental drops.

3. Package Contents

Verify that all items listed below are included in your package:

- 1 x NEEWER Z3-S Flash Unit
- 1 x Lithium Battery
- 1 x USB Cable
- 1 x Protective Case
- 1 x Dome Diffuser
- 1 x Mini Stand
- 1 x User Manual (this document)

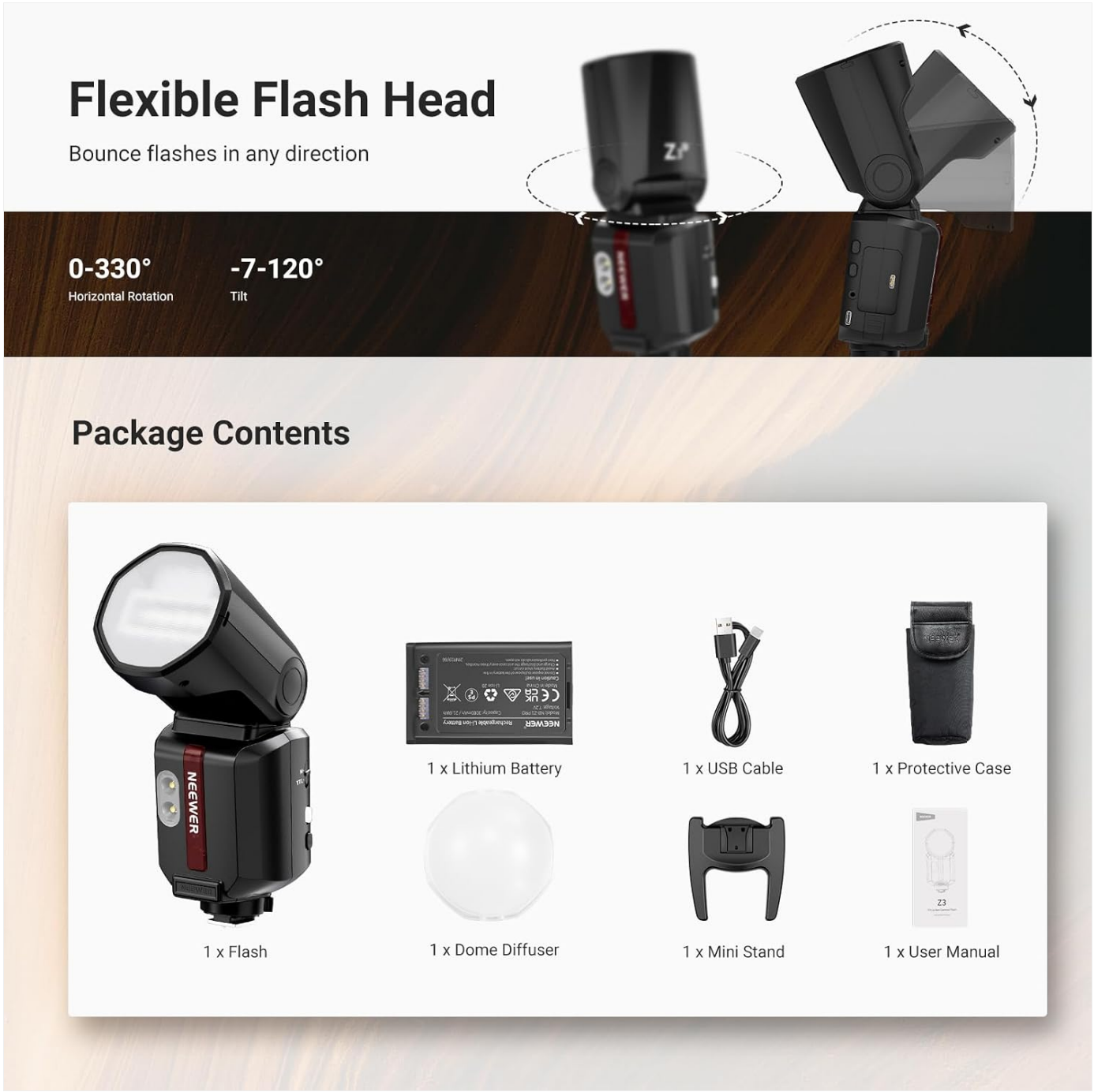


Image 3.1: Contents of the NEEWER Z3-S Speedlite package, including the flash unit, battery, cables, and accessories.

4. Product Features

- **100Ws Professional Speedlite:** Offers 100Ws power with 1/8000s HSS for capturing fast-moving subjects and backlit portraits. Supports front/rear curtain sync.
- **Ultra Fine Power Control:** Provides 1/256-1/1 flash output with 0.1EV precision and stable 6000K color temperature.

- **Dual Modeling Lamps:** Two 3300K LED modeling lamps with 10 brightness levels for lighting preview.
- **Built-in 2.4G Wireless Q System:** Features 4 control groups, 32 channels, and 99 IDs. Functions as a master/slave unit.
- **Godox 2.4GX System Compatibility:** Compatible with Godox 2.4GX system (RX COMPAT) and Sekonic L-858D light meter (RT-GX). Note: Q system and X system cannot be used simultaneously. Firmware update may be required.
- **3000mAh Lithium Battery:** Delivers approximately 500 full power flashes with a 1.7s recycle time. Supports USB C charging.
- **Intuitive Color Touch Screen:** Large, high-definition color touchscreen for precise control of power, mode, and modeling light.
- **Flexible Flash Head:** Rotates horizontally 0-330° and tilts -7-120° for bounce flash applications.



Image 4.1: Overview of NEEWER Z3-S features, highlighting 100Ws flash power, TTL/M/RPT modes, TCM conversion, and NEEWER 2.4G Wireless Q System.

5. Setup

5.1 Battery Installation

1. Open the battery compartment cover on the side of the flash unit.
2. Insert the provided lithium battery, ensuring correct polarity.
3. Close the battery compartment cover securely.

5.2 Mounting the Flash to a Camera

1. Slide the flash unit onto your camera's hot shoe mount.
2. Tighten the locking ring or lever on the flash unit to secure it in place.



Image 5.1: Detail of the hot shoe mount connection, showing how the flash attaches to a camera.

5.3 Powering On/Off

Press and hold the power button to turn the flash unit on or off. The color touchscreen will illuminate upon power-on.

6. Operating Instructions

6.1 Basic Operation and Touch Screen Interface

The NEEWER Z3-S features an intuitive color touchscreen for easy navigation and setting adjustments. Tap icons and slide controls to change parameters such as flash mode, power output, and modeling lamp brightness.



Image 6.1: The NEEWER Z3-S touchscreen interface, displaying flash power settings and mode selection.

6.2 Flash Modes

The Z3-S supports three primary flash modes: TTL, Manual (M), and Multi (RPT).

- **TTL Mode (Through-The-Lens):** Automatically adjusts flash output based on ambient light conditions and camera metering for accurate exposure.
- **Manual (M) Mode:** Allows you to manually set the flash output from 1/256 to 1/1 power. Ideal for consistent lighting in controlled environments.
- **Multi (RPT) Mode (Stroboscopic Flash):** Fires a series of rapid flashes during a single exposure, useful for capturing

multiple movements of a subject in one frame.

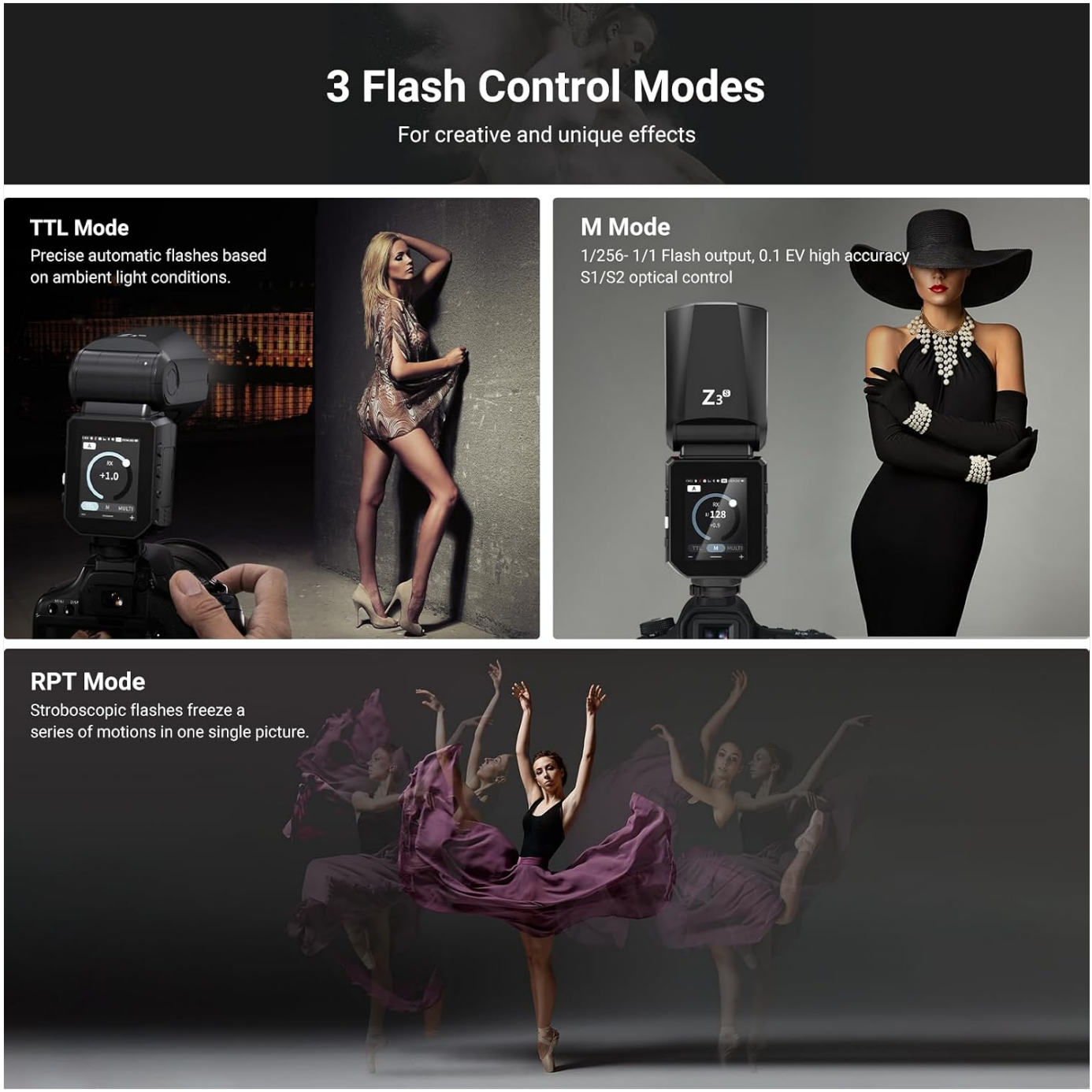


Image 6.2: Visual representation of the three flash control modes: TTL, Manual, and RPT.

6.3 High-Speed Sync (HSS)

The Z3-S supports 1/8000s HSS, allowing you to use flash at shutter speeds faster than your camera's native sync speed. This is particularly useful for overpowering ambient light outdoors or using wide apertures for shallow depth of field.



Image 6.3: Example showing the effect of 1/8000s High-Speed Sync (HSS) in outdoor photography.

6.4 Wireless Control System

The Z3-S features a built-in 2.4G Wireless Q System and is compatible with the Godox 2.4GX system (RX COMPAT). It can function as a master or slave unit.

- **NEEWER 2.4G Q System:** Supports 4 control groups (A, B, C, D), 32 channels (CH1-CH32), and 99 IDs for flexible multi-flash setups with a transmission distance of up to 100m (328ft).
- **Godox 2.4GX System Compatibility:** When set to RX COMPAT mode, the Z3-S can receive signals from Godox Xpro, X2T, and X3 transmitters, or work with Sekonic L-858D light meters (RT-GX modules).
- **Important Note:** The NEEWER Q system and Godox X system cannot be used simultaneously. Ensure firmware is updated for full compatibility.



Image 6.4: Diagram illustrating the NEEWER 2.4G Wireless Q System and its compatibility with the Godox 2.4GX System.

6.5 Modeling Lamps

The Z3-S is equipped with two 3300K LED modeling lamps. These lamps provide continuous light for previewing lighting effects before flashing. Adjust their brightness through 10 levels using the touchscreen interface.



Image 6.5: The NEEWER Z3-S with its dual LED modeling lamps, demonstrating 10 levels of brightness adjustment.

7. Battery and Charging

The Z3-S is powered by a 3000mAh lithium battery, providing extended usage and quick recycling times.

7.1 Charging the Battery

- The battery can be charged directly via its USB Type-C port using a 5V/2A USB charger (not included).
- A full charge typically takes 2.5 hours.
- The battery is also compatible with external power packs like ProPac PB960 and CP-E4/CP-E4N (not included) for faster recycling.



Image 7.1: Illustration of the NEEWER Z3-S battery being charged via its USB Type-C port.

8. Maintenance

- Clean the flash unit regularly with a soft, dry cloth. Do not use solvents or harsh chemicals.
- Keep the hot shoe contacts clean to ensure proper communication with the camera.
- Store the flash in its protective case in a cool, dry place when not in use.
- Remove the battery if the flash will not be used for an extended period.

9. Troubleshooting

Problem	Possible Cause	Solution
Flash does not fire.	Low battery; incorrect mode; flash not securely mounted; camera settings.	Charge battery; check flash mode (TTL/M); ensure secure hot shoe connection; verify camera flash settings.

Problem	Possible Cause	Solution
Flash output is inconsistent.	TTL metering issues; external interference in wireless mode.	Switch to Manual mode for consistent output; change wireless channel/ID.
Wireless trigger not working.	Incorrect channel/group/ID; Q system and X system conflict; outdated firmware.	Match channel/group/ID on both units; ensure only one wireless system is active; update firmware.
Touch screen unresponsive.	Temporary software glitch.	Power off and restart the flash unit.

10. Specifications

Feature	Specification
Model	Z3-S
Power Output	100Ws
Flash Output Control	1/256 to 1/1 (0.1EV increments)
Flash Sync Speed	Up to 1/8000s HSS
Flash Duration	1/400s - 1/20000s
Color Temperature	6000K (±200K)
Modeling Lamp Color Temp.	3300K (±200K)
Modeling Lamp Brightness	10 Levels
Battery Capacity	3000mAh Lithium-ion
Full Power Flashes	Approx. 500
Recycle Time	1.7s
Charging Port	USB Type-C (5V/2A)
Wireless System	NEEWER 2.4G Q System (Master/Slave), Godox 2.4GX (RX COMPAT)
Wireless Range	Up to 100m (328ft)
Dimensions	2.9" x 3.1" x 8.3" / 73x76x211mm
Weight (including battery)	1.4 lbs / 629g

Feature	Specification
Compatible Cameras	Sony Cameras (A9 II, A9, A7RV, A7RIV, A7RIII, A7SIII, A7II, A7RII, A7SII, A7S, A7C, A7CII, A7, A6500, A6400, A6100, A6000, A350, ZV-E10, ZV-E1, ZV1)

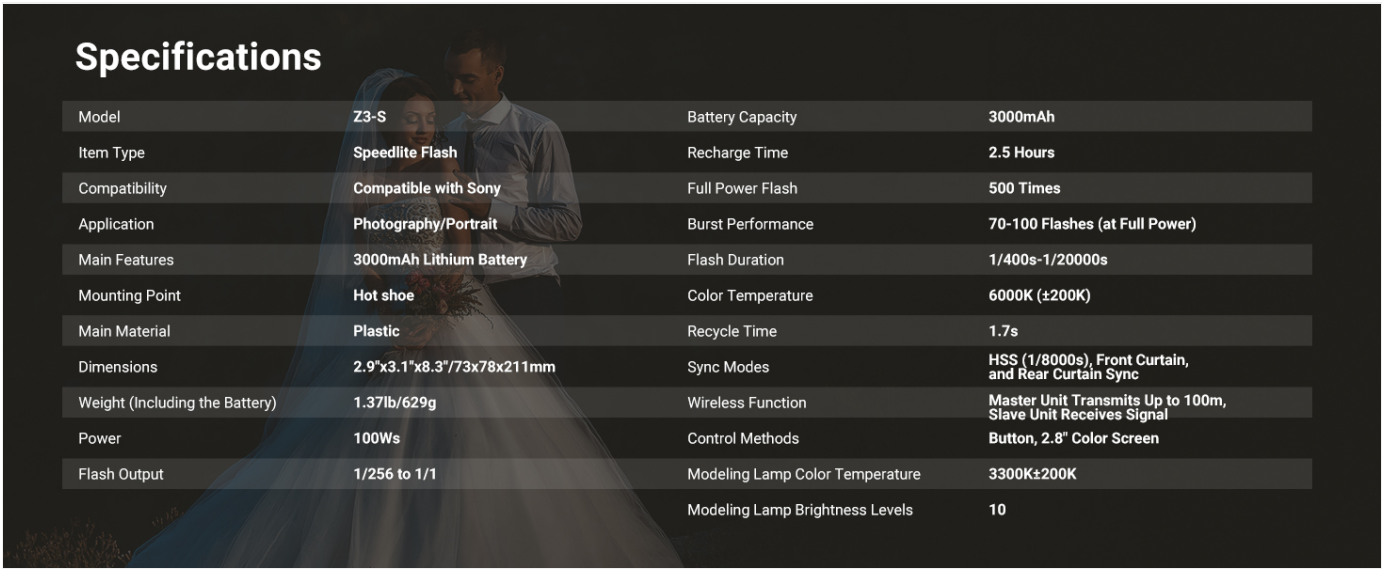


Image 10.1: Detailed specifications for the NEEWER Z3-S Speedlite.

11. Warranty and Support

The NEEWER Z3-S Speedlite comes with a **1-Year Manufacturer Warranty**. For warranty claims, technical support, or service inquiries, please contact NEEWER customer support through their official website or your purchase platform. Please retain your proof of purchase for warranty validation.

12. Product Videos

12.1 NEEWER Z3-S Product Overview

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Video 12.1: An official overview video demonstrating the key features and usage of the NEEWER Z3-S 100Ws 2.4G TTL Hot Shoe Flash Speedlite.

12.2 NEEWER Z3-S Quick Look

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Video 12.2: A short official video providing a quick look at the NEEWER Z3-S Speedlite and its design.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question