NEEWER Q4

NEEWER Q4 400Ws Flash Strobe Instruction Manual

Model: Q4

1. Introduction

This manual provides detailed instructions for the safe and effective use of your NEEWER Q4 400Ws Flash Strobe. Please read this manual thoroughly before operating the device and retain it for future reference.

Product Overview

The NEEWER Q4 is a compact and powerful 400Ws battery-powered strobe light designed for both studio and outdoor photography. It features a rectangular design, a 30W LED modeling lamp, and an integrated 2.4G wireless system for versatile lighting control.



Image: The NEEWER Q4 Flash Strobe in an outdoor photography setup with a softbox.

Important Safety Note

Do not activate the flash without connecting the flash tube. Activating the flash without the flash tube properly connected may cause damage to the device.

2. What's in the Box

Carefully unpack the box and ensure all the following items are included:

- 1 x NEEWER Q4 Flash Strobe
- 1 x QPRO-C Wireless Trigger
- 1 x Standard Reflector
- 1 x Lithium Battery (21.6V/2800mAh)
- 1 x Handle

- 1 x Power Cable (EU Plug)
- 1 x Power Adapter
- 1 x Carrying Bag



Image: All components included in the NEEWER Q4 Flash Strobe package.

3. Product Overview and Design

The Q4 flash strobe is engineered for portability and performance. Its compact form factor (7.28"x6.06"x8.35") and light weight (4.94lb) make it suitable for various shooting environments. It features a 30W/5600K/CRI95+ LED modeling lamp for precise light shaping.



Image: Front view of the NEEWER Q4 Flash Strobe, highlighting its compact design.

Dimensions

The physical dimensions of the Q4 unit are approximately 15.4 cm (depth) x 15.4 cm (width) x 21.2 cm (height).

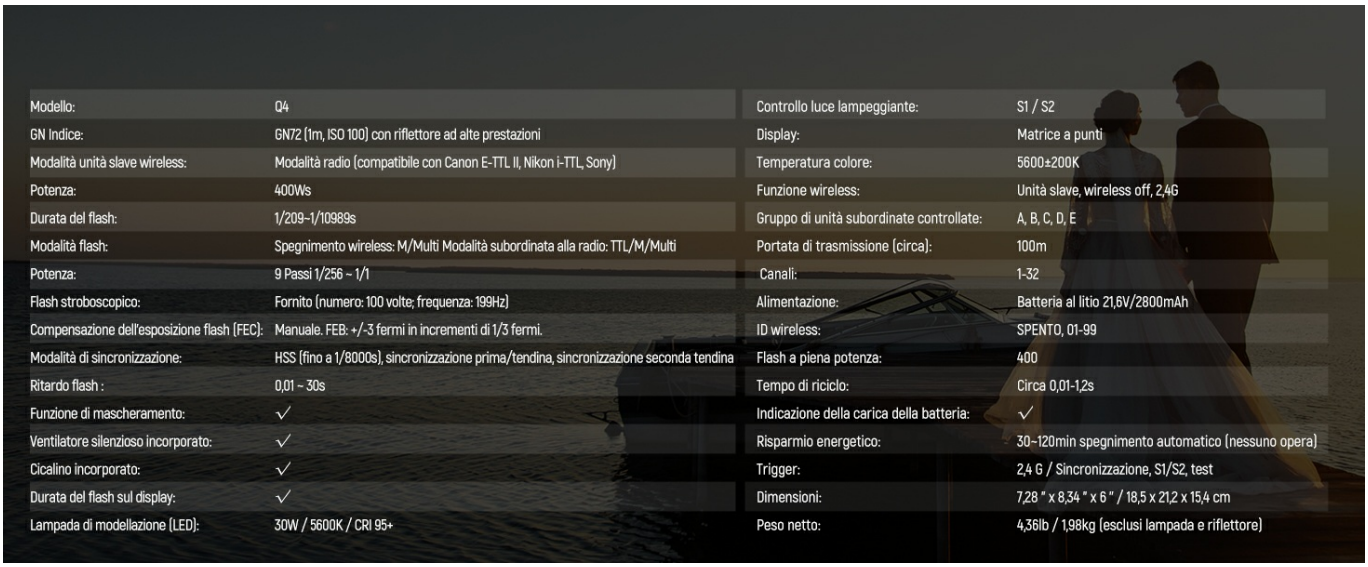


Image: A diagram illustrating the dimensions of the NEEWER Q4 Flash Strobe.

4. Setup Guide

Follow these steps for initial setup of your NEEWER Q4 Flash Strobe:

1. **Unpack Components:** Remove all items from the carrying bag and verify against the 'What's in the Box' list.
2. **Attach the Handle:** Secure the handle to the top of the flash unit for easy carrying and positioning.
3. **Insert the Battery:** Open the battery compartment and insert the 21.6V/2800mAh lithium battery. Ensure it clicks securely into place.
4. **Connect the Flash Tube:** Carefully connect the flash tube to the designated port on the flash unit. Ensure a firm connection. **Warning: Do not power on or activate the flash without the flash tube connected.**
5. **Mount the Standard Reflector:** Align the standard reflector with the Bowens mount on the front of the flash and twist to lock it into position.
6. **Charge the Battery:** Connect the power adapter and cable to the DC charging port on the flash unit. Plug the adapter into a power outlet. The battery takes approximately 3.5 hours for a full charge.

5. Operating Modes

The NEEWER Q4 offers various operating modes to suit different photographic needs.

TTL Automatic Flash Mode

In TTL (Through-The-Lens) mode, the flash automatically adjusts its output based on the camera's metering system, providing accurate exposure. Flash Exposure Compensation (FEC) can be adjusted up to ±3 stops for fine-tuning.

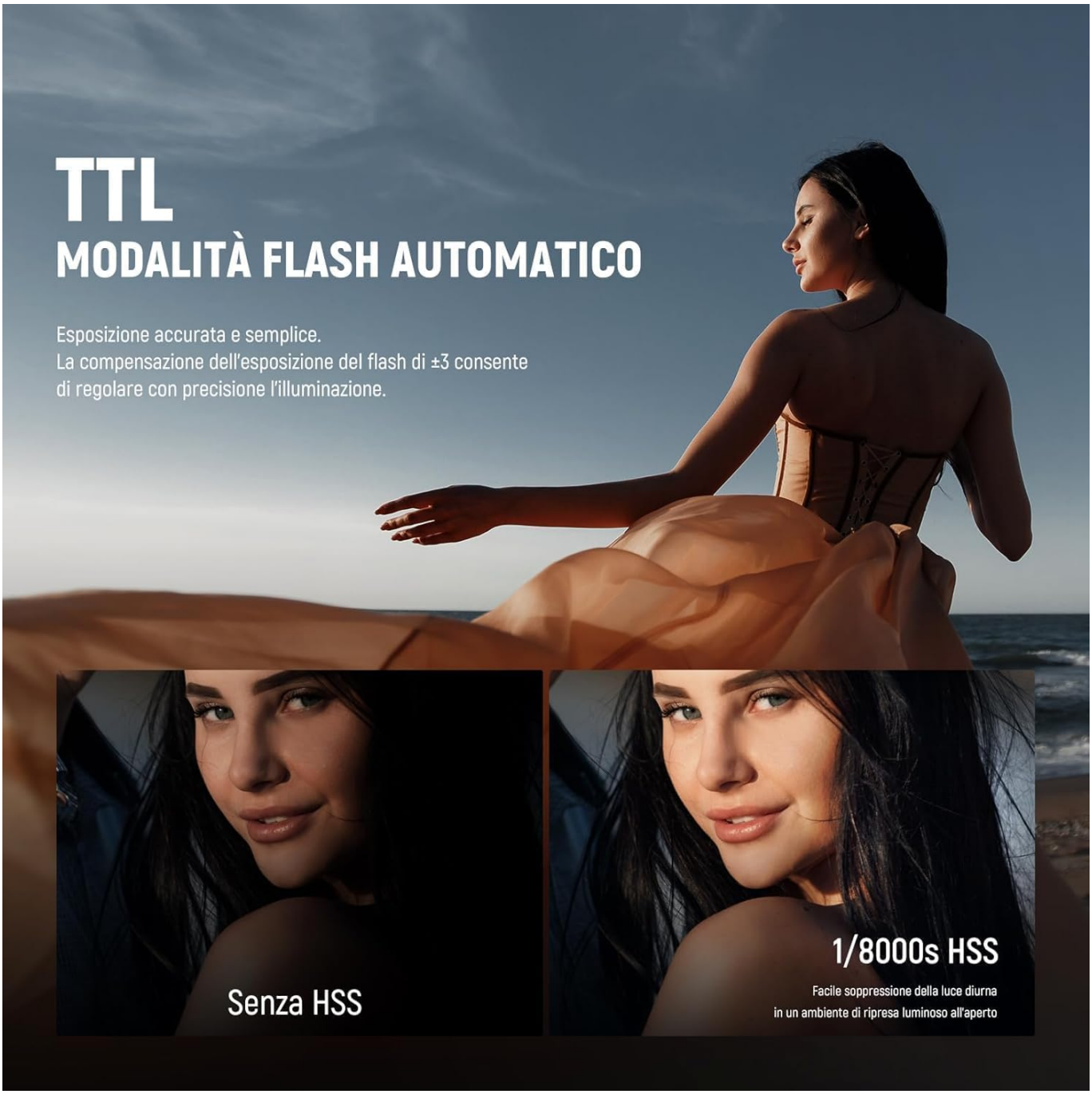


Image: Demonstrates the effect of TTL flash mode, showing exposure differences.

Manual Flash Mode

Manual mode allows precise control over the flash output, adjustable from 1/1 to 1/256 power in 81 levels. This mode is ideal for consistent lighting in controlled environments.

- **S1/S2 Optical Slave Modes:** The Q4 supports S1 and S2 optical slave modes, allowing it to be triggered by another flash. S1 fires when the master flash fires, while S2 ignores the pre-flash of a TTL master flash.
- **Masking Function:** This feature allows for separate exposure of the subject and background, useful for composite images.



Image: The Q4 display showing manual flash settings and examples of the masking function.

Multi Flash Mode (Stroboscopic)

Multi-flash mode allows the flash to fire multiple times during a single exposure, creating stroboscopic effects. It supports up to 100 flashes at a frequency of 199 Hz.

High-Speed Sync (HSS)

HSS enables flash synchronization at shutter speeds up to 1/8000s, allowing you to use flash with wide apertures in bright conditions or to freeze fast motion effectively.



Image: Demonstrates the short flash duration and high-speed sync capability to freeze motion.

First/Second Curtain Sync

The Q4 supports both first and second curtain sync. First curtain sync fires the flash at the beginning of the exposure, while second curtain sync fires it at the end, useful for capturing motion trails.

Firmware Updates

The Q4 supports firmware updates via its USB Type-C port. Regularly check the NEEWER website for the latest firmware to ensure optimal performance and compatibility.

6. Wireless Control System (2.4G Q System)

The NEEWER Q4 features an integrated 2.4G Q wireless system, allowing it to be controlled remotely by the included QPRO-C trigger.

QPRO-C Trigger

The QPRO-C trigger enables wireless control of the Q4 flash up to a range of 100m. It supports 5 groups, 32 channels, and 01-99 IDs, providing extensive control options for multi-flash setups. The QPRO-C trigger is compatible with Canon cameras (excluding RP R50 models).



Image: The QPRO-C wireless trigger shown with the Q4 flash unit.

Setting Up Wireless Communication

1. **Power On:** Turn on both the Q4 flash and the QPRO-C trigger.
2. **Set Channel and Group:** On both devices, set the same channel (1-32) and group (A-E).
3. **Set ID (Optional):** For advanced setups, set a unique ID (01-99) on both devices to avoid interference.
4. **Test Fire:** Press the test button on the QPRO-C trigger to confirm communication with the Q4 flash.



Image: An overview of the NEEWER 2.4G Q wireless system, showing master and slave units.

7. Battery Information

The NEEWER Q4 is powered by a high-capacity 21.6V/2800mAh lithium battery, designed for extended use.

- **Capacity:** Provides approximately 400 full-power flashes on a single charge.
- **Recycle Time:** Fast recycle time of 0.01-1.2 seconds.
- **Flash Duration:** Ranges from 1/209s to 1/10989s, ideal for freezing action.
- **Charging:** The battery can be charged via the included power adapter and cable through the DC charging port. A full charge takes approximately 3.5 hours.
- **Replacement:** The battery compartment allows for easy replacement of spare batteries.



Image: The NEEWER Q4 flash unit with its high-capacity lithium battery pack.

8. Bowens Mount Accessories

The Q4 features a widely used Bowens mount, allowing compatibility with a broad range of light modifiers.

You can attach various accessories such as reflectors, softboxes, snoots, and beauty dishes to shape and control your light output, enhancing your photographic effects.



Image: The NEEWER Q4 flash unit highlighting its Bowens mount for attaching various light modifiers.

9. Maintenance

Proper maintenance ensures the longevity and optimal performance of your NEEWER Q4 Flash Strobe.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the flash unit. For the flash tube and modeling lamp, use a lint-free cloth and avoid harsh chemicals.
- **Battery Care:** Store the lithium battery in a cool, dry place when not in use. If storing for extended periods, charge the battery to approximately 50% capacity. Avoid fully discharging the battery.
- **Storage:** When not in use, store the flash unit and accessories in the provided carrying bag to protect them from dust and physical damage.
- **Environmental Conditions:** Avoid exposing the flash to extreme temperatures, high humidity, or direct sunlight for prolonged periods. The unit is not water-resistant.

10. Troubleshooting

If you encounter issues with your NEEWER Q4, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flash does not fire	Low battery; Flash tube not connected; Trigger not paired; Incorrect mode settings.	Charge battery; Ensure flash tube is connected; Pair trigger (same channel/group/ID); Check flash mode and camera settings.
Inconsistent flash output	Trigger interference; Battery level fluctuating; Incorrect power settings.	Change wireless channel/ID; Recharge battery; Verify manual power settings or TTL exposure compensation.
Trigger not communicating with flash	Different channels/groups/IDs; Out of range; Trigger battery low.	Ensure matching channel, group, and ID; Reduce distance between trigger and flash; Replace/charge trigger battery.
Flash tube damaged or not working	Physical damage; End of lifespan.	Replace flash tube with a genuine NEEWER replacement.
Incompatibility with camera	Outdated firmware.	Update the firmware of both the Q4 flash and the QPRO-C trigger.

11. Technical Specifications

Brand	NEEWER
Model Name	Q4
Flash Type	Outdoor Strobe Flash
Power Output	400Ws
Guide Number (GN)	72 (with high-performance reflector)
Flash Modes	TTL, Manual, Multi
Sync Speed	Up to 1/8000s (HSS)
Flash Duration	1/209s - 1/10989s
Recycle Time	0.01s - 1.2s
Modeling Lamp	30W LED, 5600K, CRI95+
Wireless Technology	2.4 GHz (RF)
Wireless Range	Up to 100m
Wireless Groups/Channels/IDs	5 Groups (A, B, C, D, E), 32 Channels, 01-99 IDs
Compatible Cameras	Canon (excluding RP R50)
Battery Type	21.6V/2800mAh Lithium Battery

Charging Time	Approx. 3.5 hours
Mount Type	Bowens Mount
Dimensions (DxWxH)	15.4P x 15.4l x 21.2H cm (7.28" x 6.06" x 8.35")
Net Weight	2.24 kg (4.94 lbs)
Color	Black
Water Resistance Level	Not water-resistant

12. Warranty and Support

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

Official NEEWER Website: www.neewer.com

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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