GODOX V480-N

GODOX V480-N TTL Li-ion Camera Flash User Manual

Model: V480-N
Brand: GODOX

1. Introduction

The Godox V480-N is an advanced TTL Li-ion camera flash designed for Nikon cameras, offering a blend of intuitive control and powerful performance. Featuring a responsive touchscreen and tactile buttons, it provides comprehensive creative control with TTL, Manual, and Multi flash modes, alongside High-Speed Sync capabilities up to 1/8000s. Its built-in 2.4GHz X wireless system allows for versatile off-camera lighting setups. The V480-N is equipped with a high-capacity rechargeable lithium battery, ensuring extended shooting sessions and quick recycling times. Integrated light shaping tools like a catchlight panel and wide-angle diffuser enhance its versatility for various photographic needs.

2. Product Overview

2.1 Package Contents

- Godox V480-N Flash Unit
- 7.2V/2200mAh Lithium Battery
- USB-C Charging Cable
- Diffuser
- Mini Stand
- Storage Bag
- Adapter



Figure 2.1: Godox V480-N Flash and Included Accessories

2.2 Key Features

- **Intuitive Control:** Responsive touchscreen and tactile buttons for easy navigation and setting adjustments.
- **Versatile Flash Modes:** Supports TTL (Through-The-Lens), Manual, and Multi (Stroboscopic) flash modes.
- **High-Speed Sync (HSS):** Achieves sync speeds up to 1/8000s for freezing fast motion or shooting with wide apertures in bright conditions.
- **Flexible Bounce Head:** Features -7° to 120° tilt and 330° full rotation for precise light direction and bounce flash.
- **Powerful Battery Performance:** Equipped with a 7.2V/2200mAh lithium battery, providing up to 650 full-power flashes with a rapid 1.7s recycle time.
- **USB-C Charging:** Convenient USB-C port for charging the battery.
- **Built-in Wireless System:** Integrated Godox 2.4GHz X wireless system for sender and receiver functionality across 32 channels up to 100m.
- **10-Level Modeling Lamp:** Built-in LED modeling lamp with ten adjustable brightness levels for pre-visualizing light.
- **Creative Light Shapers:** Includes a slide-out catchlight panel and a wide-angle diffuser for enhanced light shaping.
- **Wide Compatibility:** Compatible with various Nikon camera models including D800, D750, D700, D610, D500, D200, D300S, D5, D4, D810, D780, D5300, D5200, D5100, D5000, D3300, D3100, D60, Z6, Z7II, Z8, ZFC.

3. Setup

3.1 Battery Installation

1. Locate the battery compartment on the side of the flash unit.
2. Open the battery compartment cover.
3. Insert the 7.2V/2200mAh lithium battery, ensuring the contacts align correctly.
4. Close the battery compartment cover securely until it clicks into place.



Figure 3.1: Battery installation and USB-C charging port.

3.2 Mounting on Camera

1. Ensure the flash unit is powered off.
2. Slide the flash's hot shoe into your Nikon camera's hot shoe mount.
3. Secure the flash by rotating the quick lock mechanism clockwise until it is firmly attached.





Figure 3.2: Metal hot shoe design and quick lock/unlock mechanism.

3.3 Powering On/Off

Press and hold the power button (usually located near the touchscreen) for a few seconds to turn the flash unit on or off.

4. Operating Instructions

4.1 Navigating the Touchscreen Interface

The Godox V480-N features a 2.0" color touchscreen and physical buttons for intuitive control. Tap, swipe, or press buttons to navigate menus and adjust settings quickly without interrupting your workflow.



Figure 4.1: Intuitive touchscreen and button controls.

4.2 Flash Modes (TTL, Manual, Multi)

- **TTL (Through-The-Lens) Mode:** The flash automatically adjusts its output for correct exposure. Ideal for quick shooting and changing light conditions.
- **Manual Mode:** Allows you to manually set the flash power output (e.g., 1/1, 1/2, 1/4, etc.) for precise control over lighting.
- **Multi (Stroboscopic) Mode:** Fires a series of rapid flashes to capture multiple movements of a subject in a single exposure.

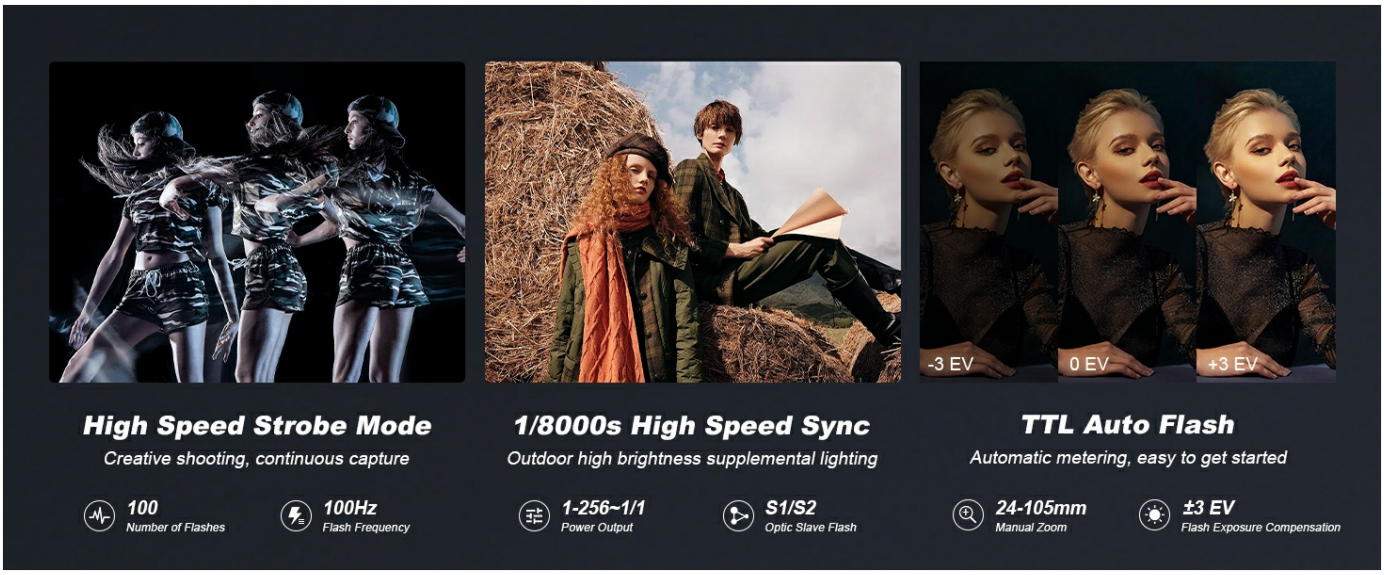


Figure 4.2: Overview of flash modes including TTL, High-Speed Sync, and Stroboscopic.

4.3 High-Speed Sync (HSS)

The V480-N supports High-Speed Sync up to 1/8000s, enabling you to use wider apertures in bright daylight or to freeze extremely fast motion. This feature is crucial for outdoor portrait photography where you want to overpower the sun.

4.4 Flexible Bounce Head

The flash head can be tilted from -7° to 120° and rotated 330° horizontally. This flexibility allows you to bounce the flash off ceilings, walls, or reflectors to create softer, more natural-looking light, reducing harsh shadows.



Figure 4.3: Demonstrating the tilt and rotation capabilities of the flash head.

4.5 10-Level Modeling Lamp

Activate the built-in LED modeling lamp to preview how your flash will shape shadows and highlights before taking the shot. Adjust its brightness across ten levels to fine-tune your lighting setup.

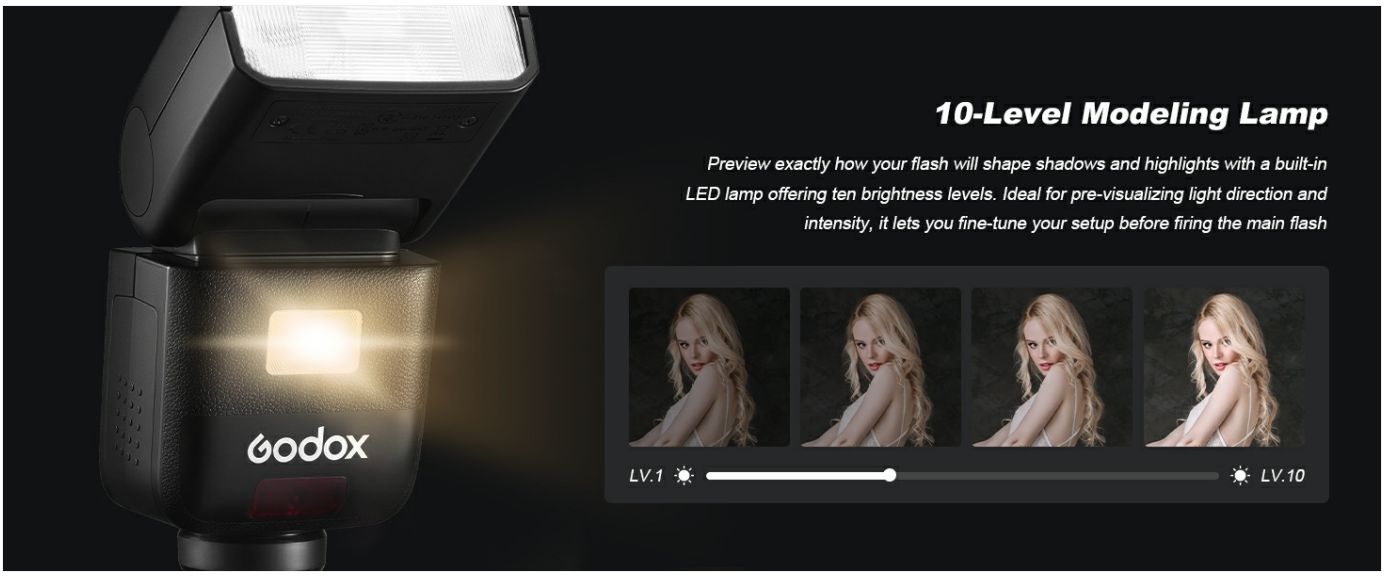


Figure 4.4: The 10-level adjustable modeling lamp in action.

4.6 Built-in 2.4GHz X Wireless System

The V480-N can act as both a sender and receiver within the Godox 2.4GHz X wireless system. This allows you to control multiple flashes across 32 channels up to 100m away, enabling complex off-camera lighting setups without external triggers.



Figure 4.5: Diagram illustrating the sender and receiver capabilities of the 2.4GHz X wireless system.

4.7 Creative Light Shapers

- **Catchlight Panel:** Slide out the built-in catchlight panel to create vivid, dimensional eye highlights in portraits.
- **Wide-Angle Diffuser:** Quickly attach the wide-angle diffuser to soften and evenly spread light, ideal for group shots and environmental portraits.



Figure 4.6: Demonstrating the built-in catchlight panel and wide-angle diffuser.

4.8 Official Product Video

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Video 4.1: Official product video showcasing the Godox V480 Camera Flash features and usage scenarios.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn marks, a slightly damp cloth can be used, followed by immediate drying. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** Store the lithium battery in a cool, dry place when not in use. For long-term storage, it is recommended to charge the battery to approximately 50% capacity. Avoid fully discharging the battery for extended periods.
- **Storage:** Store the flash unit in its provided storage bag to protect it from dust and scratches. Keep it away from extreme temperatures, high humidity, and direct sunlight.
- **Hot Shoe Protection:** When not mounted on a camera, use the hot shoe cover to protect the electrical contacts from dust

and damage.

6. Troubleshooting

Problem	Possible Cause	Solution
Flash not firing.	Low battery; Incorrect flash mode; Flash not securely mounted; Camera settings incorrect.	Charge battery; Select appropriate flash mode (TTL/Manual); Re-mount flash securely; Check camera flash settings.
Flash output too bright/dark.	Incorrect flash exposure compensation (FEC); Manual power setting too high/low; Subject distance.	Adjust FEC on flash or camera; Adjust manual power output; Move closer/further from subject.
Wireless connection issues.	Incorrect channel/group settings; Distance too far; Obstructions.	Ensure flash and trigger (if used) are on the same channel/group; Reduce distance; Remove obstructions.
Slow recycle time.	Low battery; High power output.	Charge battery; Use lower power settings if possible.

7. Specifications

Feature	Detail
Model	V480-N
Brand	GODOX
Battery	7.2V/2200mAh Lithium Battery (included)
Full-Power Flashes	Approx. 650
Recycle Time	Approx. 1.7s
High-Speed Sync	Up to 1/8000s
Wireless System	Godox 2.4GHz X Wireless System
Wireless Range	Up to 100m
Channels	32
Modeling Lamp	10-level adjustable LED
Tilt Angle	-7° to 120°
Rotation Angle	0° to 330°
Item Weight	2.64 pounds (approx. 1.2 kg)
Package Dimensions	7.87 x 7.87 x 3.93 inches
Date First Available	May 15, 2025

8. Warranty and Support

For warranty information and technical support, please refer to the official GODOX website or contact your local distributor. Keep your purchase receipt as proof of purchase for any warranty claims.

Online Resources:

- GODOX Official Website: www.godox.com
- GODOX Store on Amazon: GODOX Store

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