GODOX V860II-N

GODOX V860II-N TTL Flash User Manual

Model: V860II-N

1. Introduction

The GODOX V860II-N is a high-performance TTL Li-ion camera flash designed for Nikon cameras. It integrates advanced features such as TTL auto flash, manual flash, 1/8000s High-Speed Sync (HSS), and a built-in Godox 2.4G wireless X system. This manual provides detailed instructions for the safe and effective use of your V860II-N flash unit.

2. Safety Precautions

- Do not disassemble this product. If repairs become necessary, the product must be sent to an authorized maintenance center.
- Keep this product dry. Do not handle with wet hands or immerse in water.
- Do not use the flash unit in the presence of flammable gases, chemicals, or other similar materials.
- The flash unit contains a lithium-ion battery. Do not expose to high temperatures or fire. Dispose of batteries according to local regulations.
- Avoid direct eye exposure to the flash, especially at close range, as it may impair vision.
- Keep out of reach of children.

3. Package Contents

Please check to ensure all items are included in your package:

- 1 x GODOX V860II-N Flash Unit
- 1 x Li-ion Battery (VB18)
- 1 x Battery Charger
- 1 x Charger Cable
- 1 x Mini Stand
- 1 x Protection Case

- 1 x Diffuser
- 1 x Color Filter Set
- 1 x Gray Card



Image 3.1: Contents of the GODOX V860II-N package, including the flash unit, battery, charger, mini stand, protection case, diffuser, color filters, and gray card.

4. Product Overview

The GODOX V860II-N features a robust design with intuitive controls and a powerful Li-ion battery for extended use.



Image 4.1: Detailed view highlighting key components of the GODOX V860II-N flash, including the flash head, LCD screen, control panel, hot shoe, and battery compartment.

4.1. Key Features

- **TTL Auto Flash:** Automatic flash exposure control for Nikon cameras.
- **High Guide Number:** GN60 (m ISO 100, @200mm) for powerful illumination.
- **Zoom Flash Coverage:** 20-200mm auto and manual zoom.
- **Built-in Godox 2.4G Wireless X System:** Offers master and slave functionality with a range of up to 100 meters.
- **Li-ion Battery:** 2000mAh rechargeable battery provides up to 650 full power flashes with a 1.5s recycle time.
- **Full TTL Functions:** Supports HSS (1/8000s), Flash Exposure Compensation (FEC), Flash Exposure Lock (FEL), Second Curtain Sync, and Modeling Flash.
- **Flexible Flash Head:** Rotates 0 to 270 degrees horizontally and -7 to 90 degrees vertically.



Image 4.2: Illustration of the high-powered Li-ion battery (VB18) for the V860II-N, emphasizing its 2000mAh capacity, 1.5s recycle time, and ability to deliver 650 full power flashes.

5. Setup

5.1. Battery Installation

1. Open the battery compartment cover located on the side of the flash unit.
2. Insert the VB18 Li-ion battery, ensuring the contacts align correctly.
3. Close the battery compartment cover securely.

5.2. Mounting on Camera

1. Slide the flash unit's hot shoe into the camera's hot shoe mount.
2. Rotate the locking ring on the flash unit clockwise until it is securely tightened. Do not overtighten.

6. Operating Modes

6.1. TTL Auto Flash Mode

In TTL mode, the flash output is automatically adjusted by the camera to achieve optimal exposure. This mode is ideal for quick shooting in varying light conditions.

- Press the **MODE** button until 'TTL' appears on the LCD screen.
- The flash will automatically determine the appropriate output based on the camera's metering.

6.2. Manual Flash Mode (M)

Manual mode allows you to set the flash output power manually from 1/1 to 1/128 in 1/3 stop increments. This provides precise control over lighting.

- Press the **MODE** button until 'M' appears on the LCD screen.
- Use the **Select Dial** to adjust the flash output power.

6.3. Multi Flash Mode (Stroboscopic)

Multi flash mode fires a series of rapid flashes during a single exposure, creating a stroboscopic effect. You can set the number of flashes, frequency (Hz), and flash power.

- Press the **MODE** button until 'MULTI' appears on the LCD screen.
- Use the **Select Dial** and function buttons to set the desired parameters.

6.4. Master & Slave Modes (2.4G Wireless X System)

The V860II-N can function as both a master unit to control other Godox flashes or Nikon speedlights, and as a slave unit to be triggered by other master flashes or Nikon camera pop-up commanders.



Image 6.1: Diagram illustrating the GODOX V860II-N operating as a master flash to control other Nikon speedlights and as a slave flash receiving signals from a Nikon camera's pop-up commander or a Godox X1T-N trigger.

- **Master Mode:** Set the flash to Master mode via the wireless settings. It can control Nikon speedlights (e.g., SB-900, SB-910) and other Godox X system flashes.
- **Slave Mode:** Set the flash to Slave mode. It can receive signals from Nikon speedlights or pop-up commanders (e.g., D7100, D7000, D800) or a Godox X system transmitter.
- The Godox 2.4G wireless X system offers a transmission distance of up to 100 meters.

7. Basic Operation

7.1. Power On/Off

To power on the flash, slide the **ON/OFF** switch to the 'ON' position. To power off, slide it to 'OFF'.

7.2. Adjusting Flash Head Angle

The flash head can be tilted and swiveled to bounce light off ceilings or walls for softer illumination.

- **Vertical Tilt:** The flash head can be tilted upwards by 90 degrees and downwards by 7 degrees.
- **Horizontal Swivel:** The flash head can be swiveled 180 degrees to the left and 90 degrees to the right, totaling 270 degrees.

7.3. LCD Panel and Button Functions

The LCD panel displays current settings, while the control buttons allow for mode selection and parameter adjustments. Refer to Image 4.1 for button layout.

8. Advanced Features

8.1. High-Speed Sync (HSS)

HSS allows the flash to synchronize with shutter speeds up to 1/8000s, enabling you to use wider apertures in bright conditions or freeze fast motion.

- Activate HSS through the flash menu or camera settings, depending on your camera model.

8.2. Flash Exposure Compensation (FEC)

FEC allows you to fine-tune the flash output in TTL mode, making the flash brighter or darker by up to ±3 stops in 1/3 stop increments.

- Press the FEC button and use the **Select Dial** to adjust the compensation value.

8.3. Second Curtain Sync

Second curtain sync fires the flash just before the second curtain closes, creating natural-looking light trails behind moving subjects.

- Enable second curtain sync via your camera's flash settings.

8.4. Modeling Flash

The modeling flash function fires a brief series of flashes to preview the lighting effect before taking the actual shot.

- Activate the modeling flash function through the flash unit's menu.

9. Maintenance

9.1. Cleaning the Flash Unit

- Use a soft, dry cloth to clean the flash body.
- For stubborn dirt, use a slightly damp cloth with a mild detergent, then wipe dry.
- Avoid using solvents or abrasive cleaners.
- Keep the flash contacts clean to ensure proper communication with the camera.

9.2. Battery Care and Storage

- Charge the Li-ion battery using the provided charger only.
- Do not overcharge or completely discharge the battery.
- For long-term storage, charge the battery to approximately 50% and store in a cool, dry place.
- Remove the battery from the flash unit when not in use for extended periods.

10. Troubleshooting

Problem	Possible Cause	Solution
Flash does not fire.	Low battery, incorrect mode, flash not securely mounted.	Charge battery, check mode settings, ensure flash is securely attached to hot shoe.
Flash output is inconsistent.	Incorrect FEC settings, environmental factors, dirty contacts.	Check FEC, adjust settings for ambient light, clean hot shoe contacts.
Battery not charging.	Charger or cable fault, battery not inserted correctly.	Verify charger and cable functionality, reinsert battery, try a different power outlet.
Flash does not sync with high shutter speeds.	HSS not enabled or not supported by camera/flash combination.	Ensure HSS is activated on both flash and camera. Consult camera manual for compatibility.

11. Specifications

Feature	Detail
Model	V860II-N
Guide Number (GN)	60 (m ISO 100, @200mm)
Flash Coverage	20 to 200mm (Auto/Manual Zoom)
Flash Duration	1/300 to 1/20000 seconds
Exposure Control System	TTL Auto Flash, Manual Flash, Multi Flash
Flash Exposure Compensation (FEC)	±3 stops in 1/3 stop increments
Sync Mode	High-Speed Sync (up to 1/8000s), First-Curtain Sync, Second-Curtain Sync
Wireless Flash Function	Master, Slave, Off
Wireless Transmission Range	Approx. 100 meters
Channels	32 (1-32)
Controllable Slave Groups	3 (A, B, C)
Power Source	Li-ion Battery (VB18) 11.1V/2000mAh
Recycle Time	Approx. 1.5 seconds (at full power)
Full Power Flashes	Approx. 650
Dimensions (W x H x D)	Approx. 76 x 190 x 64 mm
Weight (with battery)	Approx. 2.31 pounds (1048g)



Image 11.1: Visual representation of the GODOX V860II-N flash unit, showing its dimensions and highlighting key features such as battery capacity, zoom range, multi-flash capability, guide number, auto flash, built-in 2.4GHz, S1/S2 modes, and high-speed sync.

12. Warranty and Support

GODOX products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms, duration, and service procedures, please refer to the warranty card included with your product or visit the official GODOX website. For technical support, troubleshooting assistance, or service inquiries, please contact GODOX customer service or your authorized dealer.

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

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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