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GODOX TT350N

GODOX TT350N Flash for Nikon Camera User Manual

Model: TT350N

1. INTRODUCTION

The GODOX TT350N is a compact and versatile TTL (Through-The-Lens) speedlight designed specifically for Nikon cameras. This mini flash offers a guide number of GN36 (ISO 100, 105mm) and supports a range of advanced functions including 2.4G wireless transmission, 1/8000s High-Speed Sync (HSS), Flash Exposure Compensation (FEC), front and rear curtain sync, and multi-flash modes. Its lightweight and portable design makes it ideal for various photography scenarios, from portraits to travel and on-location shooting. This manual provides detailed instructions for the proper setup, operation, and maintenance of your TT350N flash.

2. SAFETY INFORMATION

- Do not disassemble or modify the flash unit. This could lead to electric shock or malfunction.
- Keep the unit dry. Do not handle with wet hands or immerse in water.
- Avoid direct eye exposure to the flash. The intense light can cause temporary visual impairment.
- Use only specified batteries (2x AA batteries). Incorrect battery types or improper installation can cause leakage, overheating, or explosion.
- Do not operate the flash in the presence of flammable gases or liquids.
- Store the flash in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries when the flash is not in use for extended periods to prevent leakage.

3. WHAT'S IN THE BOX

Upon opening the package, please verify that all the following items are included:

- 1x GODOX TT350N Nikon Flash
- 1x Mini Stand
- 1x Protection Case
- 1x Cleaning Cloth



Figure 3.1: Included accessories with the GODOX TT350N flash unit.

4. PRODUCT OVERVIEW

4.1. Parts of the Flash Unit

Full TTL Functions

Supports HSS (max, 1/8000s), front & rear curtain sync, FEC, multi flash, manual flash, etc.

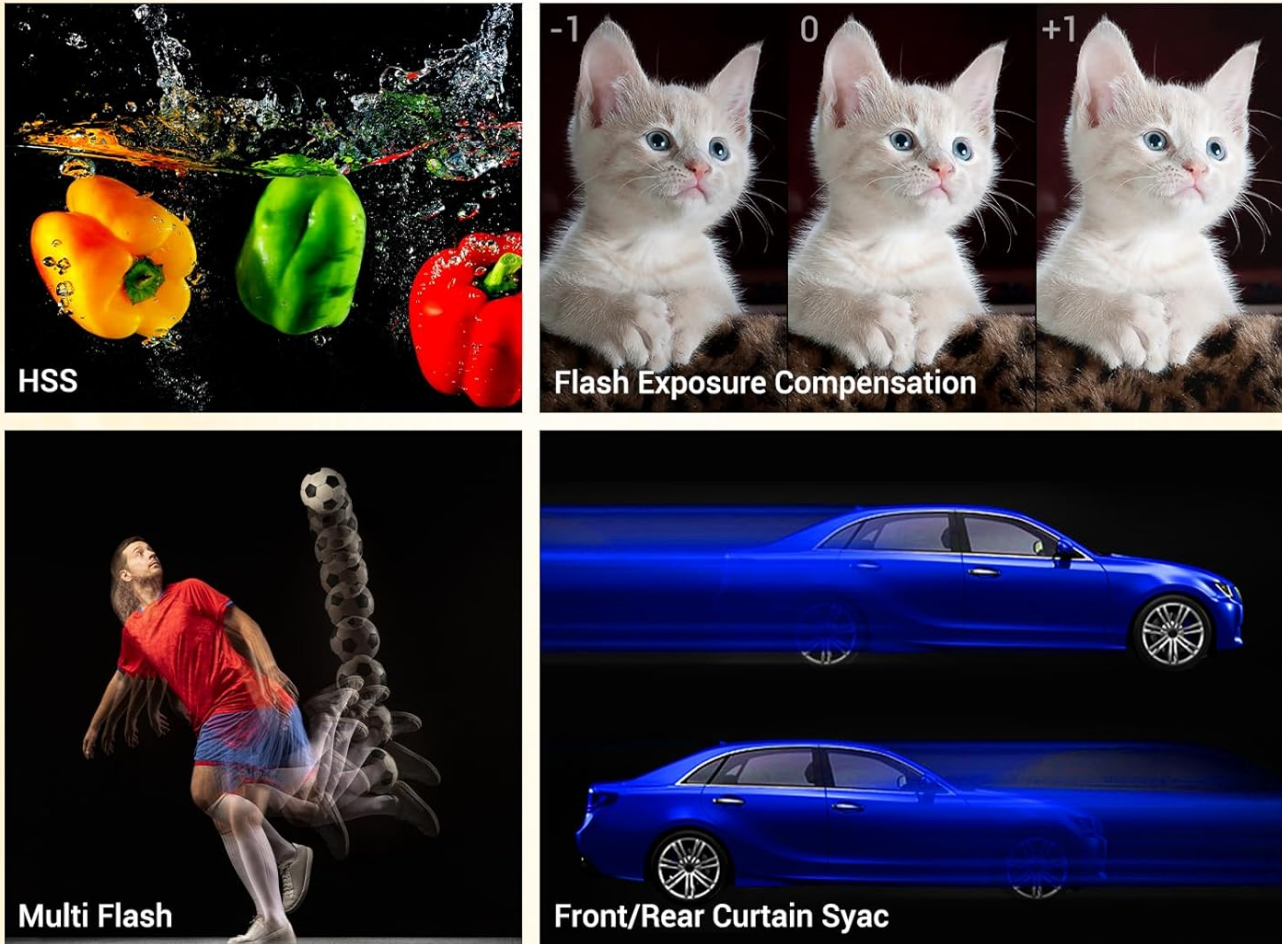


Figure 4.1: Labeled components of the GODOX TT350N flash.

1. Zoom Selection Button
2. Mode Selection Button
3. Custom Function Setting Button (long press for 2 seconds)
4. Test Button / Flash Ready Indicator
5. Select Dial
6. Set Button
7. Hotshoe
8. LCD Panel
9. High-Speed Sync Button
10. S1/S2 Optic Slave Triggering Selection Button (in non-wireless mode)
11. Group/Channel Button (reusable button, wireless mode)
12. Power Switch
13. Wireless Selection Button (reusable button, long press for 2 seconds)

- 14. Lock Ring
- 15. Battery Compartment
- 16. Optic Control Sensor
- 17. Focus Assist Beam
- 18. Catchlight Panel
- 19. Built-in Wide Panel
- 20. Flash Head

4.2. LCD Panel

The LCD panel provides clear and easy operation, displaying current settings such as flash mode, zoom level, and power output. Use the four function buttons and the jog dial to navigate and adjust parameters.

	<p>M:Manual flash</p> <p>M:Manual flash output</p>	
	<p>TTL autoflash</p> <p>FocusLengh</p> <p>Flash exposure compensation amount</p> <p>Flash exposure compensation</p>	
	<p>Multi:Stroboscopic flash</p> <p>Flash frequency</p> <p>Number of flashes</p>	

Figure 4.2: Examples of LCD panel displays for various flash modes.

5. SETUP

5.1. Battery Installation

The TT350N flash uses two AA batteries (Ni-MH batteries are recommended for optimal performance and faster recycle times).

1. Open the battery compartment cover located on the side of the flash unit.
2. Insert two AA batteries according to the polarity indicators (+/-) inside the compartment.
3. Close the battery compartment cover securely.



Figure 5.1: Battery compartment showing proper AA battery insertion.

5.2. Mounting the Flash to Your Camera

To attach the TT350N to your Nikon camera's hotshoe:

1. Ensure the flash is powered off.
2. Slide the hotshoe of the flash into the camera's hotshoe mount.
3. Rotate the lock ring clockwise until it is securely tightened, ensuring the flash is firmly attached to the camera.
4. To remove, rotate the lock ring counter-clockwise and slide the flash off.



Figure 5.2: GODOX TT350N mounted on a Nikon camera.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

Press the power switch button to turn the flash on or off. The flash ready indicator will light up when the flash is charged and ready to fire.

6.2. Flash Modes

Press the **MODE** button to cycle through the available flash modes: TTL, Manual (M), and Multi (Stroboscopic).

- **TTL Autoflash Mode:** This mode automatically adjusts the flash output to achieve correct exposure. It supports TTL autoflash, Flash Exposure Compensation (FEC), and High-Speed Sync (HSS).



TTL Auto Flash

Automatic metering, never miss every moment of wonderful moments, so that you more relaxed and comfortable shooting.



Figure 6.1: TTL Auto Flash in action, providing automatic metering for optimal exposure.

- **Manual (M) Mode:** Allows you to manually set the flash output power from 1/1 (full power) to 1/128 in 1/3 stop increments. Use the Select Dial to adjust the power output.
- **Multi (Stroboscopic) Mode:** Fires a series of rapid flashes to capture multiple movements of a subject in a single image. You can set the number of flashes, flash frequency (Hz), and flash output.

6.3. High-Speed Sync (HSS)

The TT350N supports High-Speed Sync (HSS) up to 1/8000s, allowing you to use flash with fast shutter speeds, which is useful for freezing action or shooting with wide apertures in bright conditions. Press the **SYNC** button to activate HSS.

6.4. Flash Exposure Compensation (FEC)

FEC allows you to fine-tune the flash output in TTL mode. Adjust the FEC value using the Select Dial to make the flash brighter or darker, typically from -3 to +3 stops.



Figure 6.2: Adjusting Flash Exposure Compensation to control flash brightness.

6.5. Zoom Function

The flash head's zoom coverage can be adjusted automatically or manually from 24mm to 105mm to match the lens focal length. Press the **ZOOM** button to switch between auto and manual zoom, then use the Select Dial to set the manual zoom level.

6.6. Wireless Transmission (Master & Slave Function)

The TT350N features a built-in 2.4G wireless X System, allowing it to function as both a master and a slave unit. This enables wireless control and triggering with other Godox products.

- **As a Master Unit:** The TT350N can control other Godox slave flash models such as AD200, AD200 Pro, AD300 Pro, AD400 Pro, AD600BM, AD600 Pro, V860II-N, V860III-N, TT685II-N, V1-N, V1Pro-N, V850II, V850III, and TT600.
- **As a Slave Unit:** The TT350N can be controlled by Godox master flash models like X1T-N, X2T-N, XPro-N, XProII-N, X3N, V860II-N, V860III-N, TT685II-N, and TT600.



Master & Slave Flash

When using Godox 2.4G wireless X system, TT350N is perfectly compatible with other products of GODOX.

(Master Unit)



(Slave Unit)

As a master unit, TT350N can control the following slave unit models:

V860II-N, TT685II, V860III-N, V1-N, TT600, AD200Pro, AD300Pro, AD400Pro

(Master Unit)



(Slave Unit)

As a slave unit, TT350N can be controlled the following master unit models:

X1T-N, X2T-N, XPro-N, XProII-N, X3N, TT600, V860II-N, V860III-N, V1-N

Figure 6.3: Master and Slave configurations for the TT350N within the Godox 2.4G wireless system.

6.7. Flash Head Angle Adjustment

The flash head can be rotated and tilted to bounce light off ceilings or walls, providing softer and more natural illumination.

- **Vertical Rotation:** The flash head can be rotated vertically from -7° to 90°.
- **Horizontal Rotation:** The flash head can be rotated horizontally from 0° to 270°.

Small Body

Small and exquisite workmanship



The flash head can be rotated vertically from -7° to 90° and horizontally from 0 to 270°



Figure 6.4: Flash head angle adjustment for bounce flash.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one. Do not use strong detergents or solvents.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage and store the flash in its protective case in a cool, dry place.
- **Avoid Impact:** Protect the flash from strong impacts or drops, which can damage internal components.
- **Temperature:** Avoid exposing the flash to extreme temperatures or high humidity.

8. TROUBLESHOOTING

- **Flash does not fire:**
 - Check if the batteries are correctly inserted and have sufficient charge.
 - Ensure the flash is securely mounted on the camera's hotshoe and the lock ring is tightened.

- Verify that the flash is powered on and the flash ready indicator is lit.
- Check camera settings to ensure external flash is enabled.
- **Flash output is too weak/strong:**
 - In TTL mode, adjust the Flash Exposure Compensation (FEC) settings.
 - In Manual mode, adjust the power output level.
 - Ensure the flash zoom matches the lens focal length.
- **Slow recycle time:**
 - Replace batteries with fresh ones, preferably Ni-MH rechargeable batteries.
 - Allow the flash to cool down if it has been used continuously at high power.
- **Wireless triggering issues:**
 - Ensure both master and slave units are set to the same channel and group.
 - Check for obstructions between the master and slave units.
 - Verify that the wireless mode is correctly activated on both units.

9. SPECIFICATIONS

Feature	Specification
Model	TT350N
Compatible Cameras	Nikon cameras (TTL autoflash compatible)
Guide No. (1/1 output @105mm)	36 (m ISO 100)
Flash Coverage	24 to 105mm (Auto/Manual Zoom)
Flash Duration (t0.1)	1/350 to 1/20000 seconds
Exposure Control System	TTL autoflash and Manual flash
Flash Exposure Compensation (FEC)	Manual, FEB ± 3 stops in 1/3 stop increments
Sync Mode	High-speed sync (up to 1/8000s), First-curtain sync, Second-curtain sync
Multi Flash	Provided (up to 90 times, 99Hz)
Wireless Flash Function	Master, Slave, Off
Compatible Slave Groups	3 (A, B, and C)
Transmission Range (approx.)	≤ 30 m
Channels	16 (1-16)
Auto Focus Assist Beam Effective Range	Center: 0.6-4m; Periphery: 0.6-2.5m
Power Source	2x AA batteries (Ni-MH or Alkaline)
Recycle Time	Approx. 0.1-2.2 seconds (Ni-MH batteries)

Feature	Specification
Full Power Flashes	Approx. 210 (2500mA Ni-MH batteries)
Dimensions (WxHxD)	140 x 62 x 38 mm
Weight (without battery)	200g

Model	TT350N
Type	
Compatible Camers	Please reference to compatible camera models
Guide No. (1/1 output@105mm)	36(m ISO 100)
Flash Coverage	24 to 105 mm
	Auuto zoom (Flash Coverage set automatically to match the lens focal length and image size
	Maual zoom
	Swinging/tilting flash head (bounce flash):0 to 270°horizontally and -7°to 90°vertically
Flash Duration(t0.1)	1/350 to 1/20000 seconds
Exposure Control	
Exposure Control system	TTL autoflash and manual flash
Flash exposure compensation(FEC)	Maual .FEB±3 STOP increments (Manual FEC can be combined)
Sync mode	High-speed sync (up to 1/8000 seconds). first-curtain sync.and second-curtain sync
Multi flash	Provided(up to 90 times,99HZ)
Wireless flash (2.4G radio transmission)	
Wireless flash function	Master ,slave ,off
Compatible slave groups	3 (A,B and c
Transmission range (approx.)	≤30m
Channels	16 (1-16)
Auto focus assist beam	
Effective range (approx)	Center:0.6-4m Periphery:0.6-2.5m
Power Supply	
AA batteries	Ni-MH batteries (recommended) or 2*LR6 alkaline batteries
Recycle time	Approx 0.1-2.2 seconds(enelop NI-MH batteries of panasonic).Red LED indicator will light up when the flash is ready
Full power flashes	Approx.210(2500mA NI-MH batteries)
Powers saving	Power off automatically after approx.90 seconds of idle operation.(60 minutes if set as slave)
Sync Triggering Mode	Hotshoe,optic triggering
Dimensions	
WxHxD	140*62*38mm
Weight without battery	200g

Figure 9.1: Comprehensive specifications for the TT350N flash.

10. WARRANTY AND SUPPORT

GODOX products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. For specific warranty terms and conditions, 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.

You can find more information and support resources on the official GODOX store page: [GODOX Store on Amazon](#).

