

GODOX TT350N

Godox TT350N Speedlite Flash for Nikon DSLR Cameras User Manual

Model: TT350N

1. INTRODUCTION

Thank you for purchasing the Godox TT350N Speedlite Flash. This compact and versatile flash unit is designed for Nikon DSLR cameras, offering full TTL functionality, high-speed sync, and a built-in 2.4G wireless X system. This manual provides detailed instructions for proper operation and maintenance to ensure optimal performance.

2. SAFETY INFORMATION

- Always keep this product dry. Do not use in rain or damp conditions.
- Do not disassemble. If repairs become necessary, this product must be sent to an authorized maintenance center.
- Keep out of reach of children.
- Do not use the flash unit in the presence of flammable gases, chemicals, or other materials.
- Do not touch the flash head immediately after use, as it may be hot.
- Use only AA batteries as specified. Do not mix new and old batteries or different types of batteries.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Full TTL Functionality:** Supports HSS (up to 1/8000s), FEC, front and rear curtain sync, multi-flash, and manual flash.
- **Dot-Matrix LCD:** Provides clear and simple operation with an intuitive display.
- **Powerful Functions:** Includes TTL autoflash, 1/8000 high-speed synchronization, flash exposure compensation, flash exposure lock, and modeling flash.

- **Wireless Grouping System:** Features a 2.4G wireless system with up to 5 groups and 32 channels to meet various shooting requirements.
- **Overheat Protection:** Designed with protection against overheating for extended use.
- **Efficient Performance:** Guide Number (GN) of 36 (m ISO 100, @ 105mm), 22 power outputs (1/1-1/128). Recycling time between 0.1 and 2.2 seconds, providing approximately 210 full power flashes with 2500mA Ni-MH batteries.
- **Zoom Function:** Automatic and manual zoom from 24mm to 105mm.
- **Personal Function Settings (C.Fn):** Customizable settings for personalized operation.
- **Broad Compatibility:** Can act as a master unit to control other Godox slave units (AD600, AD600M, AD360II-C, AD360II-N, V860IIN, V850II, TT685N, TT600) or as a slave unit triggered by Godox master units (X1T-N, V860IIN, V850II, TT685N, TT600).

3.2 Package Contents

- 1 x Godox TT350N Flash Unit
- 1 x Mini Stand
- 1 x Protective Case
- 1 x Color Filter
- 1 x User Manual
- 1 x VFOTO Lens Cleaning Cloth



Image: The Godox TT350N flash unit, mini stand, protective case, color filter, user manual, and lens cleaning cloth are included in the package.

3.3 Part Names and Functions



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



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

Image: Detailed diagram showing the various parts of the Godox TT350N flash and their corresponding functions.

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- 2. Mode Selection Button
- 3. Custom Function Setting Button (reusable button, long press for 2 seconds)
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15. Battery Compartment
16. Optic Control Sensor
17. Focus Assist Beam
18. Flash Head
19. Catchlight Panel
20. Built-in Wide Panel

4. SETUP

4.1 Battery Installation

The Godox TT350N uses two AA batteries. Ni-MH batteries are recommended for optimal performance and recycling time. Alkaline batteries (LR6) can also be used.

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.

4.2 Mounting to Camera

To mount the flash unit onto your camera's hotshoe:

1. Loosen the lock ring on the flash unit by turning it counter-clockwise.
2. Slide the flash's hotshoe fully into your camera's hotshoe mount.
3. Tighten the lock ring by turning it clockwise until the flash is securely attached to the camera.



Image: The Godox TT350N flash unit showing its hotshoe for mounting onto a camera.

4.3 Power On/Off

- To power on, slide the Power Switch to the 'ON' position. The flash will begin charging, and the red flash ready indicator will light up when ready.

- To power off, slide the Power Switch to the 'OFF' position.

5. OPERATING MODES

The TT350N offers various flash modes to suit different shooting scenarios. Press the **MODE** button to cycle through the available modes.

5.1 TTL Autoflash Mode

In TTL mode, the flash output is automatically adjusted by the camera to achieve correct exposure. This mode is ideal for quick shooting and changing light conditions.

- Press the **MODE** button until 'TTL' is displayed on the LCD panel.
- The flash will automatically adjust its output based on the camera's metering.

5.2 Manual Flash Mode (M)

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

- Press the **MODE** button until 'M' is displayed.
- Turn the **Select Dial** to adjust the flash output power.

5.3 Multi Flash Mode (Multi)

Multi flash mode (stroboscopic flash) fires a series of rapid flashes during a single exposure, creating multiple images of a moving subject in one frame.

- Press the **MODE** button until 'Multi' is displayed.
- Use the **Select Dial** and **SET** button to adjust the flash frequency (Hz), number of flashes, and flash output.

5.4 High-Speed Sync (HSS)

High-Speed Sync allows the flash to synchronize with all camera shutter speeds, up to 1/8000s. This is useful for shooting with wide apertures in bright conditions or freezing fast motion.

- Press the **SYNC** button to activate HSS. The HSS icon will appear on the LCD.

5.5 First/Second Curtain Sync

First curtain sync fires the flash at the beginning of the exposure. Second curtain sync fires the flash just before the shutter closes, creating a trail of light behind moving subjects.

- These settings are typically controlled via your camera's flash menu. Refer to your camera's manual for specific instructions.

5.6 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.

- In TTL mode, press the **SET** button. The FEC value will blink.
- Turn the **Select Dial** to adjust the FEC value.
- Press the **SET** button again to confirm.

5.7 Modeling Flash

The modeling flash fires a brief burst of light to help you preview the lighting effect before taking the actual shot.

- Press the camera's depth-of-field preview button (if available) to activate the modeling flash.

6. WIRELESS FLASH FUNCTION

The TT350N supports both 2.4G wireless transmission and optical transmission for off-camera flash control.

6.1 2.4G Wireless Transmission (Master/Slave)

The built-in Godox 2.4G wireless X system allows the TT350N to function as a master or slave unit, controlling or being controlled by other compatible Godox flashes and triggers.

Radio transmission shooting

Firing Group **Flash mode**



Master Channel

Slave

Master & Slave Flash

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



As a master unit, TT350N can control the following slave unit models: AD600, AD600M, AD360II-C, AD360II-N, V860IIN, V850II, TT685N, TT600



As a slave unit, TT350S can be controlled the following master unit models: X1T-N, V860IIN, V850II, TT685N, TT600



-7-90°

270°

TO set the bounce direction, hold the flash head and turn it to a satisfying angle

Image: Illustration of the TT350N operating as both a master and slave unit within the Godox 2.4G wireless system.

- **Master Unit:** The TT350N can control other Godox slave units such as AD600, AD600M, AD360II-C, AD360II-N, V860IIN, V850II, TT685N, and TT600.
- **Slave Unit:** The TT350N can be controlled by Godox master units like X1T-N, V860IIN, V850II, TT685N, and TT600.
- To activate wireless mode, long press the **GR/CH** button (Wireless Selection Button) for 2 seconds.

- Use the **GR/CH** button and **Select Dial** to set the group (A, B, C) and channel (1-16).
- Ensure all units are set to the same channel and group for proper communication.

6.2 Optical Transmission (S1/S2 Slave)

The TT350N can also function as an optical slave, triggered by another flash unit's light pulse.

- **S1 Mode:** The flash will fire in response to the first flash from a master flash. This mode is suitable for manual flash environments.
- **S2 Mode:** The flash will ignore the pre-flash from a master TTL flash and fire in response to the second flash. This mode is suitable for TTL master flashes.
- To activate S1 or S2 mode, press the **SLAVE** button (S1/S2 Optic Slave Triggering Selection Button) until 'S1' or 'S2' is displayed.

7. C.Fn CUSTOM FUNCTIONS

The TT350N features customizable functions (C.Fn) that allow you to tailor the flash's behavior to your preferences.

- Long press the **C.Fn** button for 2 seconds to enter the custom function settings menu.
- Use the **Select Dial** to navigate through the available functions.
- Press the **SET** button to select a function and then use the **Select Dial** to change its value.
- Press the **SET** button again to confirm the change.
- Long press the **C.Fn** button again to exit the custom function settings.

8. MAINTENANCE

- Clean the flash unit regularly with a soft, dry cloth. Avoid using solvents or harsh chemicals.
- Remove batteries when the flash is not in use for an extended period to prevent leakage.
- Store the flash in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid strong impacts or dropping the unit.

9. TROUBLESHOOTING

- **Flash does not fire:** Check battery level, ensure flash is securely mounted, verify camera flash settings, and confirm flash is powered on and ready.
- **Flash output is too dark/bright:** Adjust FEC (Flash Exposure Compensation) in TTL mode or manual power output in M mode. Check camera ISO and aperture settings.
- **Wireless triggering issues:** Ensure master and slave units are on the same channel and group. Check distance and line of sight for optical triggering. Verify battery levels in all units.
- **Flash head does not rotate/tilt smoothly:** Do not force movement. If resistance is felt, check for obstructions or contact customer support.

10. SPECIFICATIONS

Model	TT350N
Guide Number (GN)	36 (ISO 100, 105mm)

Flash Coverage	24 to 105mm (Auto/Manual Zoom)
Flash Duration	1/350 to 1/20000 seconds
Exposure Control System	TTL Autoflash, 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 (2.4G Wireless X System, Optical S1/S2)
Controllable Slave Groups	3 (A, B, and C)
Channels	16 (1-16)
2.4G Transmission Range	Up to 100 meters
Power Source	2 x AA batteries (Ni-MH recommended)
Recycling Time	Approx. 0.1-2.2 seconds (with Ni-MH batteries)
Full Power Flashes	Approx. 210 (with 2500mA Ni-MH batteries)
Power Saving	Automatic power off after approx. 90 seconds of idle operation (60 minutes if set as slave)
Dimensions (D x W x H)	3.8 x 6.2 x 14 cm
Weight (without batteries)	200 g
Mounting Type	Hot Shoe-mount
Compatible Cameras	Nikon DSLR cameras (D810, D800, D750, D700, D610, D7100, D5200, D90, etc.)

11. WARRANTY AND SUPPORT

Godox products are manufactured to high standards and are guaranteed against manufacturing defects. For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official Godox website. Please retain your proof of purchase for warranty claims.