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## GODOX TT350N



# GODOX TT350N TTL Camera Flash User Manual

Model: TT350N

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## 1. PRODUCT OVERVIEW

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The GODOX TT350N is a compact and versatile TTL camera flash designed for Nikon cameras. It features a built-in Godox 2.4G wireless X system, offering both master and slave capabilities for flexible lighting setups. This mini speedlight supports a range of advanced functions including High-Speed Sync (HSS), Front & Rear Curtain Sync, Flash Exposure Compensation (FEC), Multi-flash, and Manual flash modes. Its small size and lightweight design make it ideal for on-camera use or portable off-camera lighting.



Image: The GODOX TT350N TTL Camera Flash, showcasing its compact design and integrated hotshoe mount.

# TT350<sup>N</sup>

## TTL High-speed sync camera flash

Compact body, Powerful function

Support TTL/M/Multi/S1/S2 modes, 24-105mm auto/manual zooming



Image: An overview highlighting the GODOX TT350N's compact body, powerful functions, and support for TTL/M/Multi/S1/S2 modes with 24-105mm auto/manual zooming.



Image: A comparison showing the GODOX TT350N's small body next to another flash unit and held in a hand, emphasizing its portability and exquisite workmanship.

## 2. WHAT'S IN THE BOX

The GODOX TT350N package typically includes the following items:

- GODOX TT350N Flash Unit
- Protection Case
- Mini Stand
- Diffuser
- Color Filters (various colors)
- Cleaning Cloth



Image: All items included in the GODOX TT350N package, laid out clearly: the flash unit, protection case, diffuser, color filters, mini stand, and cleaning cloth.

### 3. COMPONENT IDENTIFICATION

Familiarize yourself with the various parts of the GODOX TT350N flash unit:



Image: A detailed diagram labeling the key components of the GODOX TT350N flash, including the LCD panel, control buttons, hotshoe, battery compartment, and flash head.

1. Zoom Selection Button
2. Mode Selection Button
3. Custom Function Setting Button (C.Fn)
4. Test Button/Flash Ready Indicator
5. LCD Panel
6. High-Speed Sync Button (HSS)
7. S1/S2 Optic Slave Triggering Selection Button
8. Group/Channel Button (GR/CH)
9. Power Switch
10. Lock Ring
11. Wireless Selection Button

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

## 4. SETUP

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### 4.1 Battery Installation

The TT350N uses two AA batteries. For optimal performance and recycle times, Ni-MH rechargeable batteries (2500mA recommended) are preferred. Alkaline batteries can also be used.

1. Open the battery compartment cover (15) 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.



Image: A view of the GODOX TT350N's battery compartment, showing where two AA batteries are inserted.

### 4.2 Mounting the Flash

To mount the flash onto your camera's hotshoe:

1. Slide the flash's hotshoe (12) into your camera's hotshoe mount.
2. Rotate the lock ring (10) clockwise to secure the flash firmly in place.
3. To remove, rotate the lock ring counter-clockwise and slide the flash off.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Power On/Off

Press the Power Switch (9) to turn the flash on or off. The LCD panel (5) will illuminate upon power-on.

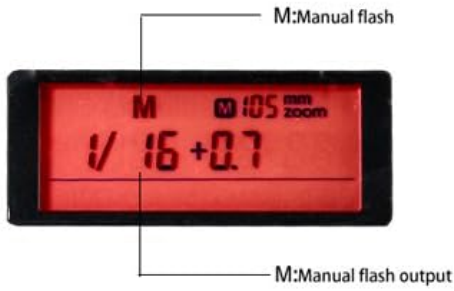


Image: A close-up view of the GODOX TT350N's LCD panel and control buttons, showing the clear display for settings adjustment.

## 5.2 Flash Modes

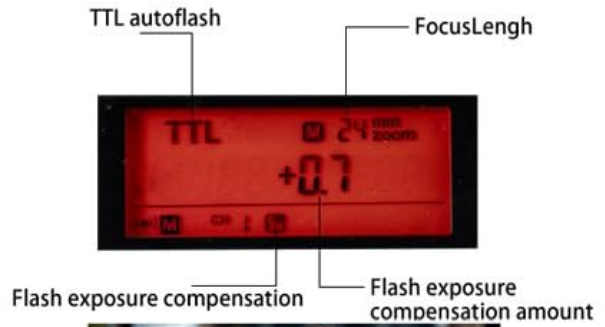
Press the Mode Selection Button (2) to cycle through the available flash modes: TTL, Manual (M), and Multi (Stroboscopic).

## Manual Flash



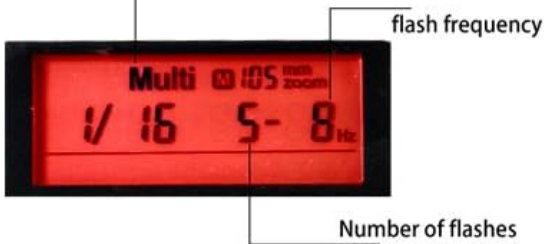
Manual flash specimen sheet

## TTL Autoflash



TTL Autoflash specimen sheet

## Multi:Stroboscopic flash



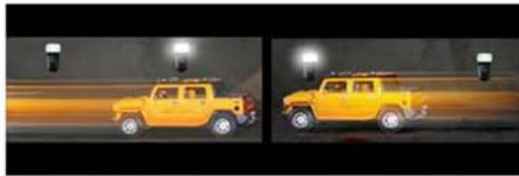
Multi specimen sheet

## Full TTL Functions

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



HSS



Front Curtain Sync

Rear Curtain Sync



Multi Flash



Flash Exposure Compensation

Image: Examples of the GODOX TT350N's various flash modes, including Manual Flash, TTL Autoflash, and Multi Stroboscopic flash, with corresponding LCD displays and sample photos.

- **TTL Autoflash Mode:** The flash output is automatically adjusted by the camera to achieve correct exposure. Supports Flash Exposure Compensation (FEC).
- **Manual Flash Mode (M):** Allows manual control over the flash output from 1/1 (full power) to 1/128 in 1/3 stop increments.
- **Multi Flash Mode (Stroboscopic):** Fires a series of rapid flashes to capture multiple images of a moving subject in a single photograph. You can set the frequency (Hz), number of flashes, and flash output.

## 5.3 Advanced Functions

The TT350N supports several advanced functions for creative lighting:

- **High-Speed Sync (HSS):** Press the HSS button (6) to enable. Allows the flash to synchronize with shutter speeds up to 1/8000s, enabling wide aperture use in bright conditions.
- **Front & Rear Curtain Sync:** Controls when the flash fires relative to the shutter curtains, useful for creating motion blur effects.

- **Auto/Manual Zoom:** The flash head can automatically adjust its zoom position (24-105mm) to match the lens focal length. Press the Zoom Selection Button (1) to switch between auto and manual zoom.
- **Bounce Flash:** The flash head can be tilted from -7° to 90° vertically and rotated 270° horizontally for bouncing light off surfaces, creating softer, more natural illumination.



Image: A visual demonstrating the GODOX TT350N's High-Speed Sync capability, freezing fast motion like a lemon splashing into water.



Image: An illustration of the GODOX TT350N's Multi-flash mode, showing how multiple exposures of a moving subject (car, basketball player) can be captured in a single frame.



Image: A visual representation of the GODOX TT350N's flash head rotation capability, allowing for flexible light bouncing.



Image: Close-ups of the GODOX TT350N's built-in catchlight panel and the included diffuser, demonstrating tools for modifying light quality.

## 5.4 Wireless Flash Function (2.4G Radio Transmission)

The TT350N features a built-in Godox 2.4G wireless X system, allowing it to function as both a master and slave unit. The transmission range is approximately 30 meters.

**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: Diagrams illustrating the GODOX TT350N's Master and Slave flash capabilities within the Godox 2.4G wireless X system, showing how it can control or be controlled by other Godox units.



Image: Visuals demonstrating both 2.4G wireless transmission and optic transmission capabilities of the GODOX TT350N, showing its versatility in triggering and being triggered by other flash units.

- **As a Master Unit:** The TT350N can control other Godox slave units such as AD600, AD600M, AD360II-C, AD360II-N, V860IIN, V850II, TT685N, and TT600.
- **As a Slave Unit:** The TT350N can be controlled by Godox master units like X1T and V860II.
- **S1/S2 Optic Slave Modes:** In non-wireless mode, the flash can be triggered by another flash. S1 mode fires when the master flash fires. S2 mode ignores the pre-flash of the master flash.



Image: A depiction of the GODOX TT350N wirelessly communicating with a camera-mounted trigger, illustrating its integration into a wireless flash system.

## 5.5 Custom Functions (C.Fn)

The TT350N allows for customization of certain settings via the C.Fn menu. Refer to the detailed manual for a full list of customizable functions and their settings.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your GODOX TT350N flash.

- **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. Avoid using solvents or abrasive cleaners.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the flash in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the flash to strong impacts. Protect the flash tube and LCD panel from scratches.
- **Overheat Protection:** The flash has built-in overheat protection. If it fires too rapidly, it may temporarily disable to cool down. Allow it to rest before resuming use.

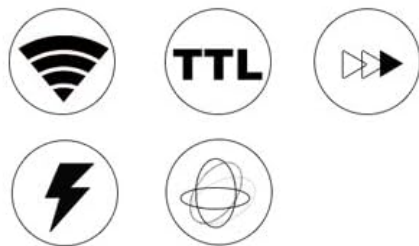
## 7. TROUBLESHOOTING

If you encounter issues with your GODOX TT350N, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flash does not fire.	Low or dead batteries; incorrect mode; flash not securely mounted; camera settings.	Replace batteries; check flash mode (TTL/M/Multi); ensure flash is fully seated and locked on hotshoe; verify camera flash settings.
Flash recycle time is slow.	Low battery power; high power output setting.	Replace or recharge batteries; reduce flash power output.
Flash output is inconsistent.	Battery issues; interference in wireless mode; dirty contacts.	Ensure batteries are fully charged; check for wireless interference; clean hotshoe contacts on both flash and camera.
Flash overheats and stops firing.	Excessive rapid firing.	Allow the flash to cool down. Reduce the frequency of full-power flashes.
Wireless triggering fails.	Incorrect group/channel settings; distance too far; obstacles; master/slave unit not compatible.	Verify group and channel settings match; reduce distance between units; ensure clear line of sight; confirm compatibility of all Godox X system units.
Does not work in TTL mode with Nikon Z7II, Z6II, Z5.	Firmware incompatibility with newer Nikon camera models.	Check Godox official website for firmware updates for the TT350N that specifically address compatibility with these camera models. Update firmware if available.

## 8. SPECIFICATIONS

Detailed technical specifications for the GODOX TT350N TTL Camera Flash:



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
	Aauto 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
<b>Exposure Control</b>	
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
<b>Wireless flash (2.4G radio transmission)</b>	
Wireless flash function	Master ,slave ,off
Compatible slave groups	3 ( A,B and c
Transmission range ( approx.)	≤30m
Channels	16 ( 1-16 )
<b>Auto focus assist beam</b>	
Effective range ( approx)	Center:0.6-4m Periphery:0.6-2.5m
<b>Power Supply</b>	
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
<b>Dimensions</b>	
WxHxD	140*62*38mm
Weight without battery	200g

Image: A table detailing the specifications of the GODOX TT350N, including guide number, flash coverage, exposure control, wireless functions, power supply, and dimensions.

Feature	Detail
Model	TT350N
Compatible Cameras	Nikon Cameras (Please refer to compatible camera models)
Guide No.	GN36 (m ISO 100, @105mm)
Flash Coverage	24 to 105mm (Auto/Manual Zoom)
Swinging/Tilting Flash Head	0 to 270° horizontally, -7° to 90° vertically
Flash Duration	1/350 to 1/20000 seconds
Exposure Control System	TTL Autoflash, Manual Flash

Feature	Detail
Flash Exposure Compensation (FEC)	Manual, ±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 (2.4G Radio Transmission)
Compatible Slave Groups	3 (A, B, and C)
Transmission Range	Approx. 30 meters
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
Full Power Flashes	Approx. 210 (using 2500mA Ni-MH batteries)
Dimensions (W x H x D)	140 x 62 x 38 mm (5.51 x 2.44 x 1.5 inches)
Weight (without battery)	200g (7.05 ounces)

## 9. WARRANTY AND SUPPORT

GODOX products typically come with a limited warranty. Please retain your proof of purchase for warranty claims.

- **Warranty Period:** Refer to the warranty card included with your product or the official GODOX website for specific warranty terms and duration.
- **Technical Support:** For technical assistance, firmware updates, or service inquiries, please visit the official GODOX website or contact their customer support.
- **Online Resources:** Many instructional videos and FAQs are available online from GODOX and third-party creators that can assist with setup and advanced usage.

For the latest information and support, please visit the official GODOX website: [www.godox.com](http://www.godox.com)

