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## GODOX TT350S

# Godox TT350S Mini Portable Speedlite User Manual

For Sony A77II, A7RII, A7R, A58, A99, ILCE6000L, RX10 Mirrorless ILDC Cameras

## 1. INTRODUCTION

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The Godox TT350S is a compact and versatile mini speedlite designed for Sony cameras, offering advanced features such as 2.4G wireless master and slave capabilities, 1/8000s High-Speed Sync (HSS), and TTL automatic flash metering. Its portable design makes it ideal for various photography scenarios, including portraits, travel, and outdoor shooting. This manual provides detailed instructions for the safe and effective use of your TT350S speedlite.



Figure 1.1: Godox TT350S Mini Portable Speedlite. This image shows the compact design of the flash unit, highlighting its small size and integrated hot shoe mount.

## 2. KEY FEATURES

- **Master-Slave Functionality:** Operates as a master unit to control other Godox flashes (AD600, AD360II, V860IIS, V850II, TT685S, TT600) or as a slave unit triggered by X1T-S, V860IIS, V850II, TT685S, TT600.
- **Integrated 2.4G Wireless Transmission:** Ensures uniform illumination and stable output with a continuous transmission range of up to 100 meters.
- **Versatile Flash Modes:** Supports TTL, Manual (M), S1/S2 optical slave modes, Automatic/Manual Zoom (24-105mm), High-Speed Sync (HSS up to 1/8000s), Flash Exposure Compensation (FEC), Front and Rear Curtain Synchronization, and Multi-flash.
- **User-Friendly Interface:** Equipped with a high-definition LCD panel and four function buttons for clear and convenient operation. A rotary knob allows for easy parameter selection.
- **Compact and Portable Design:** Half the size of standard speedlites, making it easy to carry for on-the-go photography.



Figure 2.1: Overview of Godox TT350S features, including GN36, TTL, HSS, 2.4G wireless, and LCD display.

## 3. SETUP

### 3.1 Battery Installation

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

**Note:** Ensure batteries are inserted correctly to prevent damage to the unit. Remove batteries during prolonged periods of non-use.

### 3.2 Mounting on Camera

1. Slide the hot shoe of the TT350S into the camera's hot shoe mount.
2. Rotate the locking ring on the flash unit clockwise until it is securely fastened to the camera.
3. To remove, rotate the locking ring counter-clockwise and slide the flash off the hot shoe.



Figure 3.1: The Godox TT350S flash unit, ready for mounting on a camera. This image displays the hot shoe connection point and the overall compact form factor.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power On/Off

Press the **POWER** button to turn the flash on or off. The LCD screen will illuminate upon power-on.

### 4.2 LCD Panel and Controls

The TT350S features a clear LCD panel for displaying settings and a set of function buttons and a rotary dial for navigation and adjustments.

# LCD Screen & More Convenient Operation



- Adopt LCD liquid crystal screen, high-definition display, backlight lit, clear and intuitive.
- 4 function buttons according to the flash settings change prompts, operation is simple and clear.
- Rotating the adjustment knob can easily set all kinds of parameters, convenient and practical.

Figure 4.1: Detailed view of the Godox TT350S LCD panel and control buttons. The screen displays flash mode, power output, zoom, and channel information.

- **MODE Button:** Cycles through flash modes (TTL, M, Multi).
- **ZOOM Button:** Adjusts the flash zoom coverage (Auto/Manual 24-105mm).
- **SYNC Button:** Toggles sync modes (Front-curtain, Rear-curtain, HSS).
- **SLAVE/GR/CH Button:** Used for wireless settings (Slave mode, Group, Channel).
- **SET Button:** Confirms selections.
- **Rotary Dial:** Navigates menus and adjusts parameter values.

## 4.3 Flash Modes

The TT350S supports several flash modes to suit different shooting requirements:

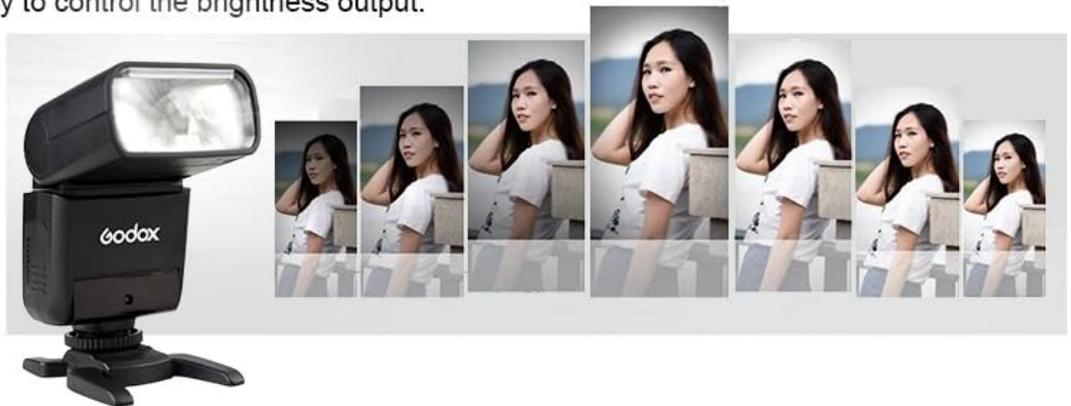
- **TTL (Through-The-Lens) Mode:** The flash output is automatically adjusted by the camera's metering system for optimal exposure.
- **Manual (M) Mode:** Allows manual control over flash power output from 1/1 to 1/128, with 22 levels of fine adjustment.
- **Multi (Stroboscopic) Mode:** Fires a series of rapid flashes during a single exposure to capture multiple movements of a subject.
- **S1/S2 Optical Slave Mode:** Triggers the flash optically when another flash fires. S1 fires on the first flash, S2 ignores the pre-flash of a TTL system.

**TTL**

Light levels are measured through the lens, and then set the correct exposure, and control the amount of light emitted by a flash connected to the camera automatically.

**M**

8 levels of output control(1/128--1/1), 22 levels of fine adjustment, more precisely to control the brightness output.

**MULTI**

Used to record the continuous motion of the subject.



Figure 4.2: Explanations and visual examples of TTL, Manual, and Multi flash modes. TTL automatically adjusts light, Manual offers precise control, and Multi captures continuous motion.

## 4.4 Synchronization Functions

- **High-Speed Sync (HSS):** Enables flash synchronization at shutter speeds up to 1/8000s, allowing for wider apertures in bright conditions or freezing fast motion.
- **Front-Curtain Sync:** The flash fires immediately after the shutter opens.
- **Rear-Curtain Sync:** The flash fires just before the shutter closes, creating a trail of light behind moving subjects.
- **Flash Exposure Compensation (FEC):** Adjusts the flash output to fine-tune exposure.

## TTL is Fully Functional & Supported by Unlimited Creativity

1/8000s high-speed synchronization, front curtain synchronization, rear curtain synchronization, exposure compensation, strobe flash, manual flash and other functions.



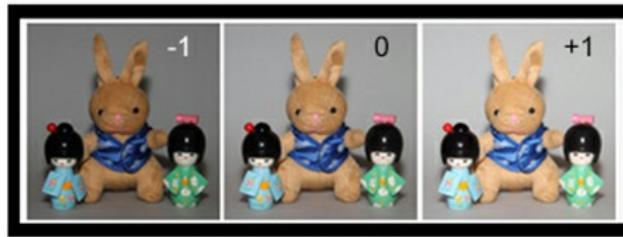
HSS



Front / Rear Curtain Synchronization



Strobe



FEC Flash Exposure Compensation



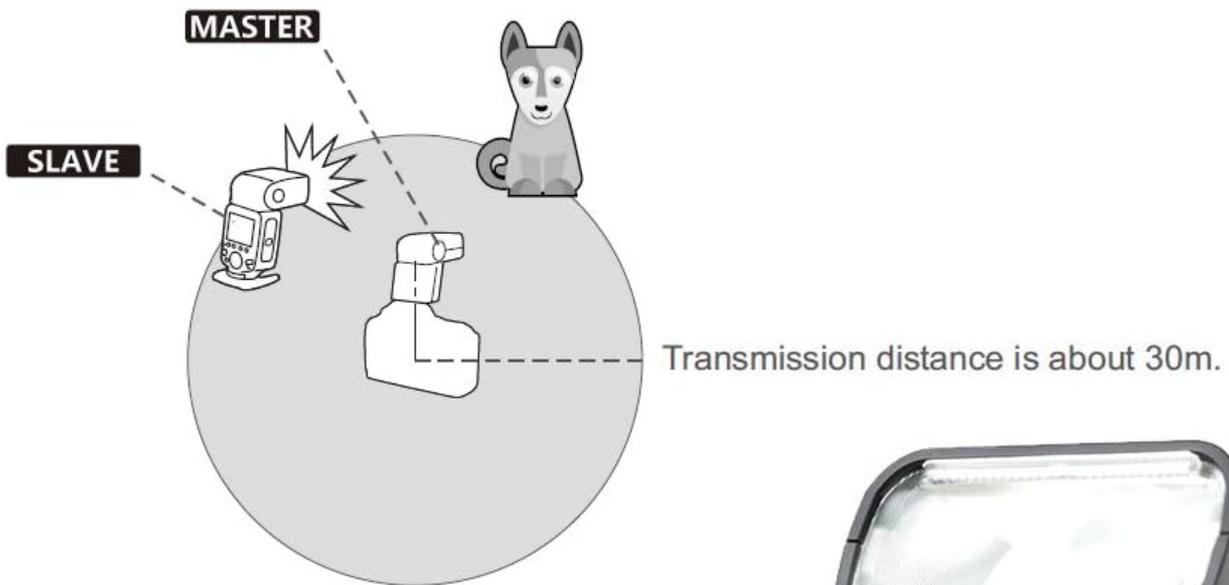
Figure 4.3: Visual examples demonstrating High-Speed Sync (HSS), Front/Rear Curtain Synchronization, Strobe mode, and Flash Exposure Compensation (FEC).

### 4.5 Wireless Operation (2.4G)

The TT350S can function as both a master and a slave unit within the Godox 2.4G wireless X system.

- **Master Mode:** The TT350S can control other Godox slave flashes such as AD600, AD360II, V860IIS, V850II, TT685S, and TT600.
- **Slave Mode:** The TT350S can be triggered by Godox master units like X1T-S, V860IIS, V850II, TT685S, and TT600.

## Master & Slave Speedlite

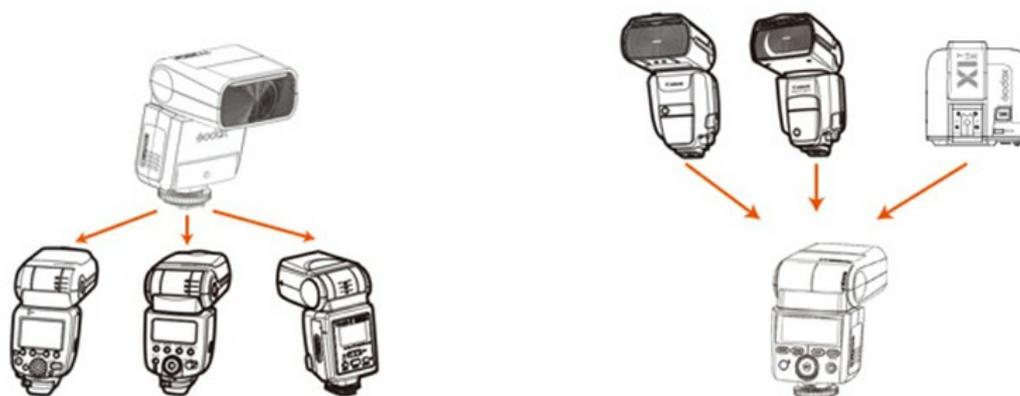


## Support 3 Groups



Figure 4.4: Diagram illustrating the Master and Slave wireless flash setup, showing a transmission distance of approximately 30 meters and support for up to 3 groups.

# Master & Slave Flashes



As a master, it can control the slave models:  
AD600Pro, AD600, AD400Pro, AD600M,  
AD360II, V860II, V850II, TT685, TT600.

As a slave unit, it can be controlled by  
the master unit models: XPro, X1,  
V860II, V8501, TT685, TT600X.

Figure 4.5: Compatibility chart for Godox TT350S as a master and slave unit with various other Godox flash models.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid using solvents or abrasive cleaners.
- **Flash Tube:** The flash tube is a delicate component. Avoid touching it directly with bare hands. If it becomes dirty, clean it gently with a lint-free cloth.
- **Battery Care:** Remove batteries when the flash is not in use for extended periods to prevent leakage. Store batteries in a cool, dry place.
- **Storage:** Store the speedlite in a dry, dust-free environment, away from direct sunlight and extreme temperatures. Use the provided protective bag for storage and transport.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flash does not fire.	<ul style="list-style-type: none"> <li>• Low or depleted batteries.</li> <li>• Flash not securely mounted.</li> <li>• Flash is in sleep mode.</li> <li>• Incorrect camera settings.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace or recharge batteries.</li> <li>• Ensure flash is firmly attached to the hot shoe.</li> <li>• Press any button to wake the flash.</li> <li>• Check camera's flash settings and ensure external flash is enabled.</li> </ul>
Flash output is too dark/bright.	<ul style="list-style-type: none"> <li>• Incorrect FEC setting.</li> <li>• Flash power set too low/high in Manual mode.</li> <li>• Subject too far/close.</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust FEC (Flash Exposure Compensation).</li> <li>• Adjust manual power output.</li> <li>• Move closer/further from the subject or adjust power.</li> </ul>

Problem	Possible Cause	Solution
Wireless trigger not working.	<ul style="list-style-type: none"> <li>• Incorrect channel/group settings.</li> <li>• Out of range.</li> <li>• Interference.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure master and slave units are on the same channel and group.</li> <li>• Reduce distance between units.</li> <li>• Change to a different channel.</li> </ul>

## 7. SPECIFICATIONS

Feature	Detail
Model	Godox TT350S
Guide Number (GN)	36 (m ISO 100, @105mm)
Flash Coverage	24 to 105mm (Auto/Manual Zoom)
Flash Duration	1/350s to 1/20000s
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
Controllable Slave Groups	3 (A, B, C)
Transmission Range (approx.)	100m (2.4G Wireless)
Channels	16 (1-16)
Power Source	AA Batteries (Ni-MH or Alkaline) x2
Recycle Time	Approx. 0.1-2.2 seconds (Ni-MH batteries)
Full Power Flashes	Approx. 210 (2500mA Ni-MH batteries)
Dimensions (W x H x D)	1.5 x 2.44 x 1.5 inches (approx. 38 x 62 x 38 mm)
Weight (without batteries)	11.3 ounces (approx. 320g)

## 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 warranty claims.

Official Godox Website: [www.godox.com](http://www.godox.com)



