GODOX TT350

Godox TT350 Mini Thinklite TTL Flash User Manual for Sony Cameras

Model: TT350-S

1. Introduction

Thank you for purchasing the Godox TT350 Mini Thinklite TTL Flash. This compact and lightweight flash unit is designed for Sony cameras, offering a range of advanced features including TTL autoflash, manual flash, multi-flash, high-speed sync (HSS), and a built-in 2.4G wireless X system. This manual will guide you through the setup, operation, and maintenance of your TT350 flash to ensure optimal performance.

2. Safety Information

Please read these safety instructions carefully before using the product to prevent damage to the product or injury to yourself or others. Keep this manual for future reference.

- Do not disassemble or modify the flash unit. High voltage components inside can cause electric shock.
- Keep the unit 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 materials.
- Do not touch the flash tube after continuous firing to avoid burns.
- Keep out of reach of children.
- Remove batteries when not in use for extended periods.

3. Package Contents

Verify that all items are included in your package. If anything is missing or damaged, contact your retailer.

- Godox TT350 Mini Flash (x1)
- Mini Stand (x1)
- Protection Case (x1)
- Color Diffuser (x1)

- Instruction Manual (x1)



Image: This image displays the Godox TT350 Mini Flash, mini stand, protection case, and color diffuser as the included items.

4. Product Overview

Familiarize yourself with the components of your TT350 flash unit.



Image: This image highlights the LED display for intuitive operation, the adjustable flash head (horizontal 0-270°, vertical -7-90°), corrosion-resistant hot shoe contacts, and the pull-out wide-angle diffuser.

- **Flash Head:** Rotates and tilts for bounce flash.
- **LED Display:** Shows current settings and modes.
- **Control Buttons:** MODE, ZOOM, SYNC, SLAVE, GR/CH, SET, Power.
- **Hot Shoe:** For mounting onto the camera.
- **Battery Compartment:** Holds two AA batteries.
- **Wide Angle Diffuser:** Pull-out panel for wider light distribution.
- **Built-in Bounce Card:** Pull-out panel for reflecting light.

5. Setup

5.1. Battery Installation

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

3. Close the battery compartment cover securely.

5.2. Mounting to Camera

1. Loosen the locking knob on the flash hot shoe mount.
2. Slide the flash hot shoe fully into the camera's hot shoe.
3. Tighten the locking knob to secure the flash unit to the camera.

6. Operating Modes

The Godox TT350 offers various flash modes to suit different photographic needs.

6.1. TTL Autoflash Mode

In TTL mode, the flash automatically fires a pre-flash that the camera uses to calculate the optimal flash output for correct exposure. This mode is ideal for quick shooting in changing light conditions.

- Press the **MODE** button until "TTL" appears on the LCD panel.
- The flash is now ready to fire in TTL mode.



Image: This illustration demonstrates the effect of TTL autoflash, showing how it can properly expose a subject compared to natural light conditions.

6.2. Manual Flash Mode (M)

In Manual mode, you set the flash output level yourself. This provides precise control over lighting and is suitable for consistent lighting setups.

- Press the **MODE** button until "M" appears on the LCD panel.
- Use the **SET** dial to adjust the flash output from 1/1 (full power) to 1/128 in 1/3 stop increments.

6.3. Multi Flash Mode (Stroboscopic)

Multi Flash mode fires a series of rapid flashes during a single exposure, creating a stroboscopic effect to capture multiple movements of a subject.

- Press the **MODE** button until "MULTI" appears.
- Set the flash output, frequency (Hz), and number of flashes using the control buttons.

6.4. Wireless Flash Function (2.4G & Optical)

The TT350 can operate as a master or slave unit in a wireless flash system, offering both 2.4G radio and optical transmission options.

- **2.4G Wireless Transmission:** The built-in Godox 2.4G wireless X system allows for reliable communication up to 100 meters.
- **Master Unit:** The TT350 can control other Godox slave units (e.g., AD200, AD360II, V860II, TT600) when set as a master.
- **Slave Unit:** The TT350 can be controlled by a Godox master unit (e.g., X1T, X2T, XPro) or another TT350 acting as a master.
- **Optical Transmission:** Supports S1 and S2 optical slave modes for triggering by other flashes.



Image: This diagram illustrates the 2.4G wireless transmission capability, showing the TT350 acting as a master unit to control other Godox flash units like AD600, AD200, V860II, and TT600, or being controlled by XPro/X1T triggers.

6.5. 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 your camera's flash settings or by pressing the **SYNC** button on the flash until the HSS icon appears.

6.6. Front and Rear Curtain Sync

- **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.
- Select these options via the **SYNC** button or camera menu.

6.7. Flash Exposure Compensation (FEC)

FEC allows you to adjust the flash output in TTL mode to fine-tune exposure. Adjustments can be made from -3 to +3 stops in 1/3 stop increments.

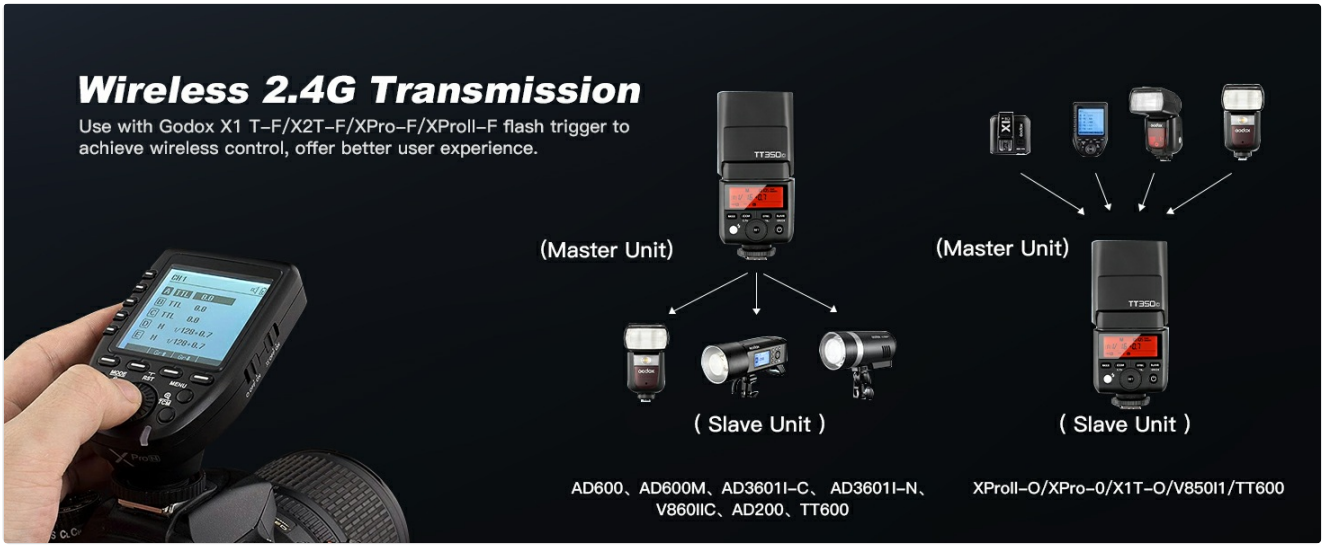


Image: This graphic demonstrates the effect of Flash Exposure Compensation (FEC), showing how adjusting the flash output from -3 to +3 can alter the brightness of the subject in a TTL flash scenario.

7. Advanced Features

7.1. Auto Zoom Lamp Head

The flash head features a built-in zoom motor that automatically adjusts the flash coverage to match the focal length of your lens (24-105mm). This ensures efficient light distribution.

- The zoom can also be adjusted manually by pressing the**ZOOM** button.

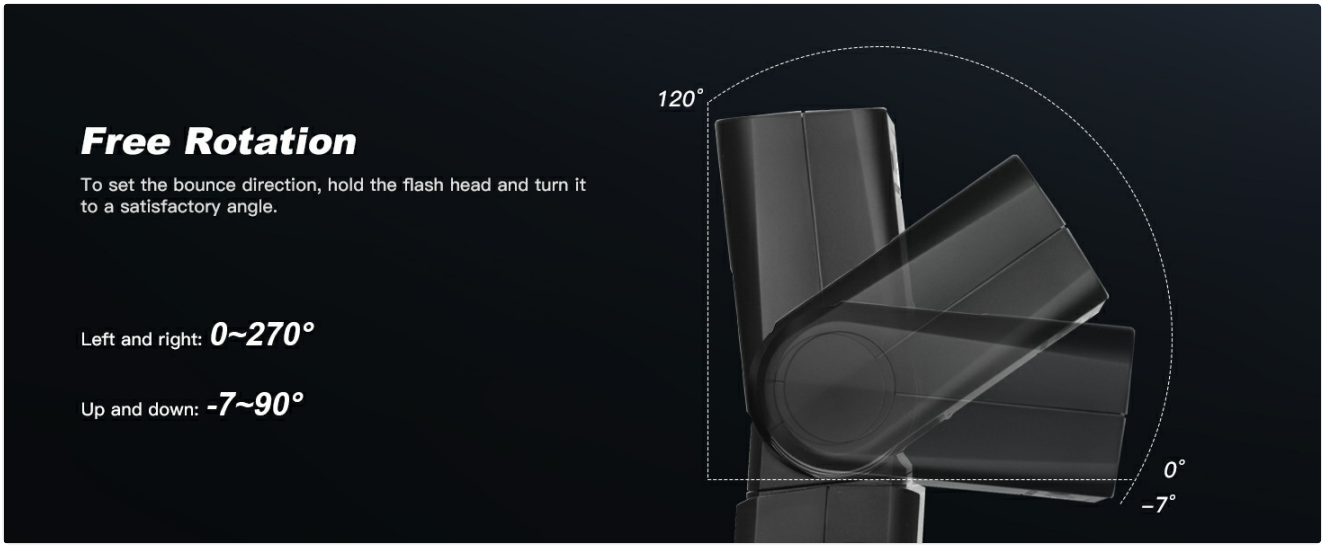


Image: This diagram illustrates the internal components of the auto zoom lamp head, including the Fresnel lens, flash tube, and zoom motor, and shows how it covers focal lengths from 24mm to 105mm.

7.2. Adjustable Flash Head

The flash head can be rotated horizontally from 0° to 270° and tilted vertically from -7° to 90°, allowing for bounce flash photography to create softer, more natural lighting.



Image: This diagram illustrates the adjustable rotation of the flash head, showing its ability to rotate 0-270 degrees horizontally and tilt -7-90 degrees vertically for flexible lighting angles.

7.3. Wide Angle Diffuser and Bounce Card

The built-in wide-angle diffuser can be pulled out to spread the light for wider lens coverage. The bounce card can be used to soften direct flash or create catchlights in eyes.

8. Maintenance

- Clean the flash unit regularly with a soft, dry cloth. Do not use solvents or harsh chemicals.
- Avoid exposing the unit to extreme temperatures, high humidity, or strong magnetic fields.
- Store the flash in its protective case when not in use.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.

9. Troubleshooting

Problem	Possible Cause	Solution
Flash does not fire.	Low battery, incorrect settings, flash not securely mounted.	Replace batteries, check flash mode and camera settings, ensure flash is properly mounted and locked.
Flash output is too weak/strong.	Incorrect flash exposure compensation (FEC) or manual power setting.	Adjust FEC in TTL mode or manual power in M mode. Check ISO and aperture settings.
Wireless trigger not working.	Incorrect channel/group, distance too far, interference.	Ensure master and slave units are on the same channel and group. Reduce distance, check for obstructions.
Flash head zoom not adjusting.	Manual zoom selected, or obstruction.	Ensure auto zoom is enabled or manually adjust. Check for physical obstructions.

10. Specifications

Feature	Description

Feature	Description
Model	TT350-S
Compatible Cameras	Sony cameras with standard hot shoe
Guide Number (GN)	36 (m ISO 100 @ 105mm)
Flash Coverage	24-105mm (Auto/Manual Zoom)
Flash Modes	TTL, M (Manual), Multi (Stroboscopic)
Wireless Flash Function	Master, Slave, Off (2.4G wireless X system, Optical S1/S2)
Sync Modes	High-Speed Sync (HSS up to 1/8000s), Front-curtain Sync, Rear-curtain Sync
Flash Exposure Compensation (FEC)	±3 stops in 1/3 stop increments
Power Source	2x AA batteries (Ni-MH or Alkaline)
Recycle Time	Approx. 0.1-2.2 seconds
Dimensions (W x H x D)	140 x 62 x 38 mm (approx.)
Weight (without batteries)	200g (approx.)

11. Warranty and Support

Godox products are covered by a limited warranty. Please refer to the warranty card included with your product or visit the official Godox website for detailed warranty terms and conditions.
For technical support, troubleshooting assistance, or service inquiries, please contact your authorized Godox dealer or the Godox customer service department.
Keep your purchase receipt as proof of purchase for warranty claims.

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