

GODOX TT3500

GODOX TT3500 Mini Camera Flash Instruction Manual

Model: TT3500

Brand: GODOX

[Introduction](#) [Components](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty](#)
& [Support](#)

1. INTRODUCTION

The GODOX TT3500 is a compact and versatile mini camera flash designed for Olympus and Panasonic cameras. It features TTL autoflash, 2.4G wireless X system compatibility, high-speed sync (HSS), and various manual control options, making it suitable for a wide range of photographic situations.

This manual provides detailed instructions for the proper setup, operation, and maintenance of your TT3500 flash unit. Please read it thoroughly before use to ensure optimal performance and longevity of the product.



Figure 1.1: GODOX TT3500 Mini Camera Flash overview.

2. PRODUCT COMPONENTS

The GODOX TT3500 package includes the following items:

- 1x TT3500 Flash Body
- 1x Protection Bag
- 1x H-type Bracket
- 1x Cleaning Cloth

2.1 Parts Identification



Figure 2.1: Labeled diagram of the TT3500 flash unit.

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. 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

3. SETUP

3.1 Battery Installation

The TT350O flash requires two AA batteries (not included). Ensure correct polarity when inserting the batteries.

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.



Figure 3.1: Battery compartment for two AA batteries.

3.2 Mounting on Camera

To attach the flash to your camera's hotshoe:

1. Slide the flash hotshoe (12) into your camera's hotshoe mount.
2. Rotate the lock ring (10) clockwise until it is securely tightened.

3.3 Power On/Off

Press the power switch (9) to turn the flash unit on or off.

4. OPERATION

4.1 Operating Modes

The TT3500 supports various flash modes. Press the Mode Selection Button (2) to cycle through them.

- **TTL Autoflash Mode:** Light levels are measured through the lens, and the flash automatically sets the correct exposure. This mode simplifies shooting by automating flash output.

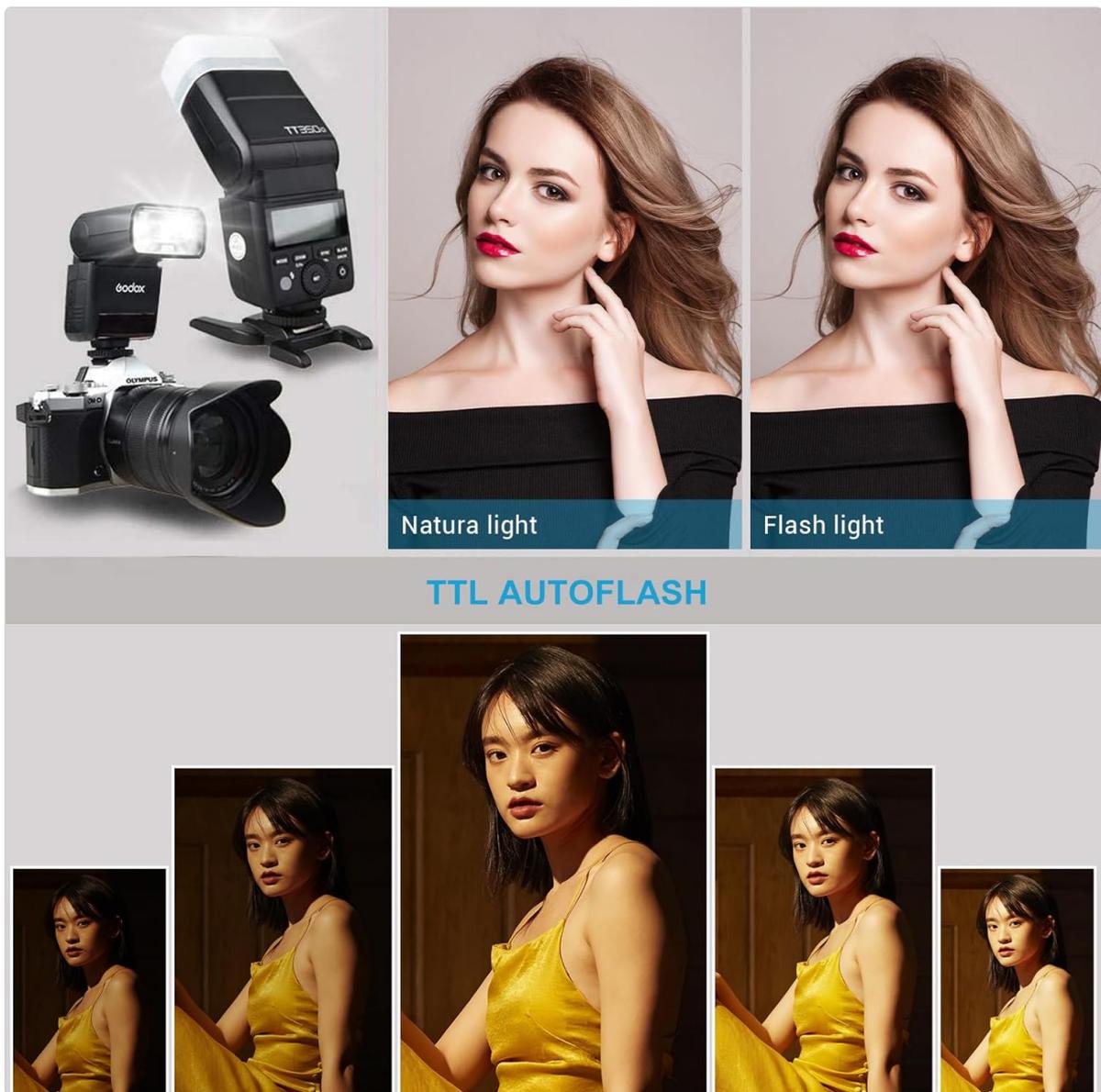


Figure 4.1: Effect of TTL Autoflash.

- **Manual Flash (M) Mode:** Allows manual control over flash output from 1/128 to 1/1 power, with 22 levels of fine adjustment. Use the Select Dial (14) to adjust power.
- **Multi Flash Mode:** Used for stroboscopic photography to capture multiple images of a moving subject in a single frame. Adjust flash frequency and number of flashes using the Select Dial (14).
- **S1/S2 Optical Slave Modes:** These modes allow the TT3500 to be triggered by another flash unit optically. S1 mode triggers the flash upon detecting the main flash. S2 mode ignores the pre-flash of a TTL system and triggers on the second flash.
- **High-Speed Sync (HSS):** Enables flash synchronization at shutter speeds faster than the camera's native sync speed (up to 1/8000s). This is useful for freezing fast motion or using flash in bright ambient light.

- **Front Curtain Sync / Rear Curtain Sync:** Front curtain sync fires the flash at the beginning of the exposure. Rear curtain sync fires the flash at the end of the exposure, creating a motion blur effect behind the subject.

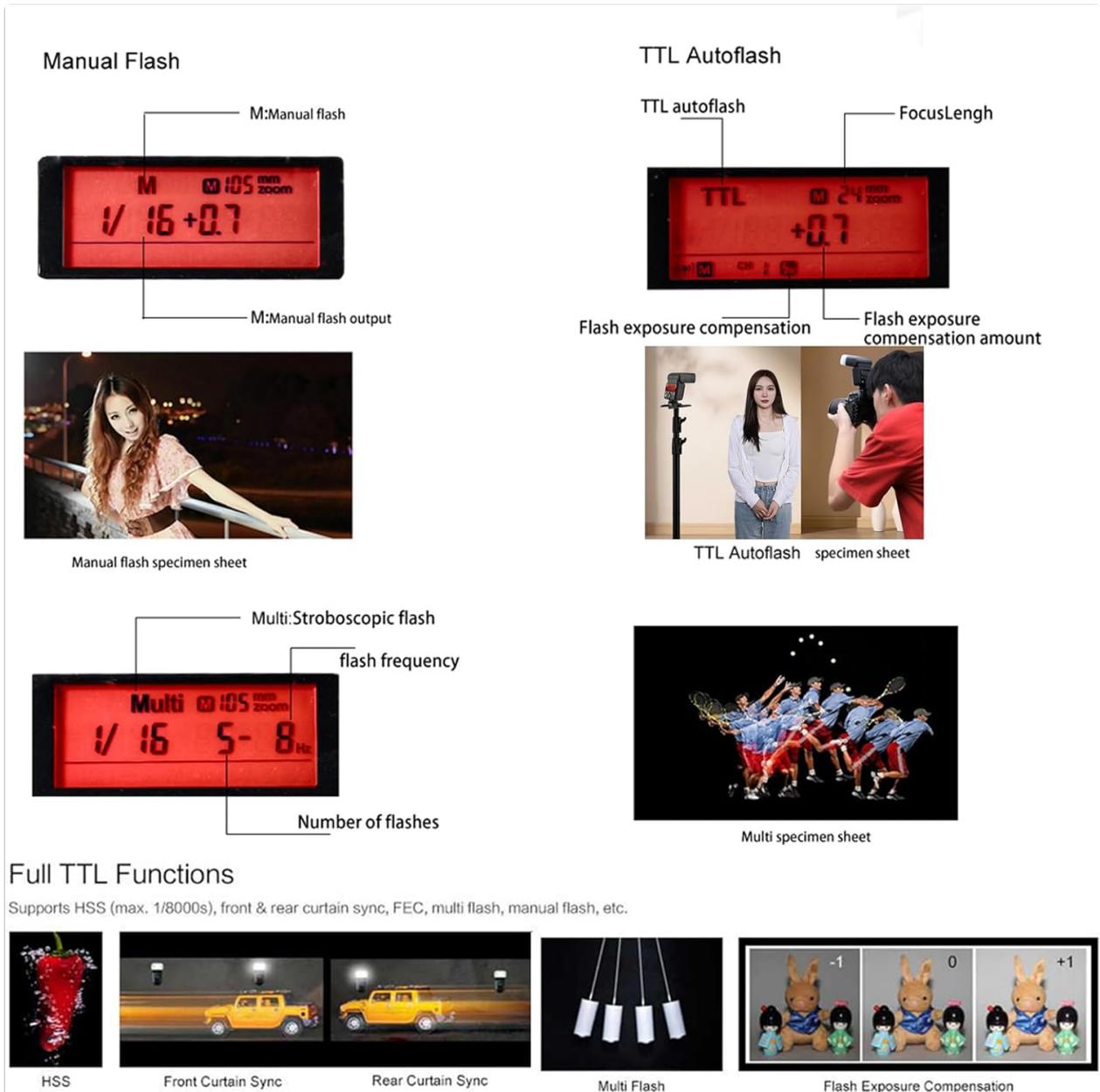


Figure 4.2: Overview of flash functions and display examples.

4.2 Wireless Flash Function (2.4G X System)

The TT3500 can operate as both a master and a slave unit within the Godox 2.4G wireless X system.

- **As a Master Unit:** The TT3500 can control other Godox slave flashes such as AD600Pro, AD600Pro II, AD300Pro, AD400Pro, AD200Pro, AD200Pro II, AD200, V860III-O, V850II, V850III, TT685IIO, TT600.



As a master unit, TT3500 can control the following slave unit models:
AD200 AD200Pro AD300Pro AD400Pro AD600Pro AD600BM V860III-O
TT685II-O TT600 V850II V850III etc.

- 2.4G wireless transmission and 30 meters further transmission



As a slave unit, TT3500 can be control the following master unit models: X1T-O X2T-O XPro-O XProII-O V860II-O V860III-O TT685II-O
TT600 V850II V850III, etc.

- Optic transmission with even illumination and stable output

Figure 4.3: TT3500 as a master unit controlling slave flashes.

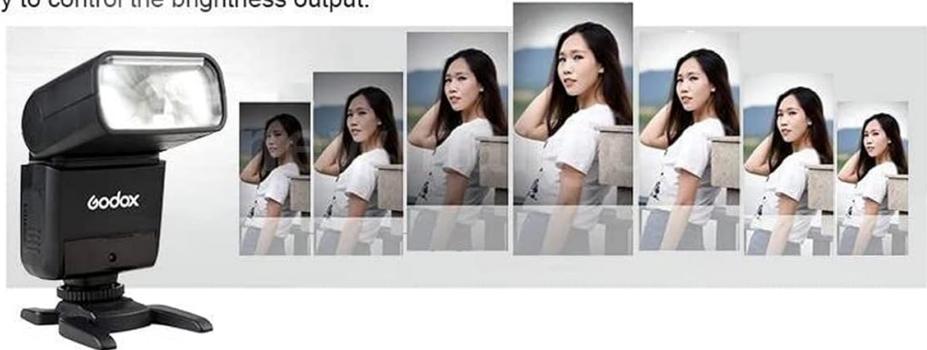
- **As a Slave Unit:** The TT3500 can be controlled by Godox master units like X1T-O, X2T-O, XPro-O, XProII-O, X3O, V860II-O, V860III-O, V1O, V850III, TT600. The wireless transmission range is approximately 30 meters.

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 4.4: TT3500 as a slave unit controlled by a master trigger.

4.3 Flash Head Adjustment

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

- **Vertical Rotation:** The flash head can tilt from -7° to 90° .
- **Horizontal Rotation:** The flash head can rotate 0° to 270° .

To adjust the bounce direction, hold the flash head and turn it to the desired angle.



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

Figure 4.5: Flash head rotation and tilt capabilities.

4.4 LCD Display and Controls

The clear LCD panel (5) provides easy access to settings. Use the 4 function buttons and the Select Dial (14) to navigate and adjust parameters.

Your browser does not support the video tag.

Video 4.1: A user demonstrating the GODOX TT3500 flash, highlighting its compact size, vertical rotation, and the functionality of its LED panel and controls. The video shows the flash being held, rotated, and settings adjusted on the screen.

5. MAINTENANCE

5.1 Cleaning

- Use the provided cleaning cloth to gently wipe the flash body and LCD screen.
- For stubborn dirt, use a soft, damp cloth. Avoid harsh chemicals or abrasive materials.
- Keep the hotshoe contacts clean and dry to ensure proper communication with the camera.

5.2 Battery Care

- Remove batteries when the flash is not in use for extended periods to prevent leakage.

- Use high-quality AA batteries for optimal performance and recycle used batteries responsibly.

5.3 Storage

- Store the flash in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use the protection bag to prevent scratches and dust accumulation.

6. TROUBLESHOOTING

If you encounter issues with your GODOX TT3500 flash, refer to the following common problems and solutions:

- **Flash not firing or inconsistent firing:**
 - Check battery levels and ensure they are correctly inserted.
 - Ensure the flash is securely mounted on the camera's hotshoe and the lock ring is tightened.
 - Verify that the flash mode (TTL, M, S1/S2) is appropriate for your shooting setup.
 - If using wireless mode, ensure the master and slave units are on the same channel and group.
- **Incorrect exposure (over/underexposed images):**
 - In TTL mode, check for flash exposure compensation settings on both the flash and camera.
 - In Manual mode, adjust the flash power output (1/128 to 1/1) using the Select Dial.
 - Ensure the flash head is pointed correctly (e.g., not directly at the subject if bouncing is desired).
- **Zoom function stuck at 14mm:**
 - Ensure the built-in wide diffuser panel (20) is fully stowed inside the flash body. It should click into place. The flash detects when this panel is deployed and overrides zoom information.
- **Flash not recognized by camera:**
 - Remove and re-mount the flash on the camera's hotshoe.
 - Clean the hotshoe contacts on both the flash and camera.
 - Ensure the flash firmware is up to date (check GODOX website for updates).

7. SPECIFICATIONS

Feature	Specification
Brand	GODOX
Model Name	TT3500
Compatible Mountings	Olympus, Panasonic
Connectivity Technology	2.4G Wireless
Wireless Technology	Optical Pulse
Mount Type	Hot Shoe Mount
Shooting Modes	TTL, M, Multi, S1, S2, Hi-Speed Sync
Exposure Control Type	TTL, Manual, High-Speed Sync
Flash Sync Speed	1/8000s (Maximum)
Battery Life (Average)	210 minutes
Water Resistance Level	Not Water Resistant

Feature	Specification
Model Number	4332001174
UPC	712383676115

8. WARRANTY & SUPPORT

8.1 Warranty Information

The GODOX TT3500 flash comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, unauthorized modifications, accidents, or natural disasters.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact GODOX customer support through their official website or your retailer.