GODOX TT350C

Godox TT350 Mini Thinklite TTL Flash for Canon Cameras User Manual

1. Introduction

This manual provides detailed instructions for the safe and effective operation of your Godox TT350 Mini Thinklite TTL Flash for Canon Cameras. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage to the product or injury to yourself. Keep this manual for future reference.

2. Safety Information

- Do not disassemble or modify the flash unit. Repairs should only be performed by authorized service personnel.
- Keep the flash unit dry. Do not handle with wet hands or expose to rain or moisture.
- Do not operate the flash unit in the presence of flammable gases or liquids.
- Avoid direct eye exposure to the flash light, especially at close range, as it may impair vision.
- Keep out of reach of children.
- Use only AA batteries as specified. Do not mix old and new batteries or different types of batteries.
- Remove batteries when the flash is not in use for an extended period.

3. Package Contents

Verify that all items are present in your package:

- 1x Godox TT350 Flash
- 1x Protection Bag
- 1x H-type Bracket
- 1x Filter
- 1x White Diffuser



Figure 3.1: Contents of the Godox TT350 package.

4. Product Overview

The Godox TT350 Mini Thinklite TTL Flash is a compact and versatile speedlite designed for Canon cameras, offering advanced features in a portable form factor.

Key Features:

- **Integrated 2.4 GHz X Radio System:** Enables wireless triggering as a transmitter or receiver with a range of 328' (100m), supporting 16 channels and three groups. Compatible with optional X series transmitters for expanded setups.
- **Guide Number:** 118' (36m) at ISO 100 and 105mm, providing ample illumination for various subjects.
- **Zoom Head:** Adjustable zoom range of 24-105mm, with a 14mm wide-angle panel for broad coverage.
- **Manual Power Control:** Adjust flash output from 1/1 to 1/128 in 1/3 EV steps.
- **Flexible Flash Head:** Tilts from -7 to 90° and rotates 270° for bounce flash and precise light direction.
- **Optical Receiver Mode:** Allows compatibility with other standard flashes.
- **Power Source:** Operates on two AA batteries, providing approximately 210 full-power flashes with recycle times of 0.1-2.2 seconds.
- **USB Port:** For future firmware updates.

Physical Characteristics:

- **Dimensions:** 5.5 x 1.5 x 2.4 inches (140 x 38 x 62 mm)
- **Weight:** 13.1 ounces (approximately 200g without batteries)



Figure 4.1: The compact and portable design of the TT350 flash.

5. Setup

5.1 Battery Installation

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.

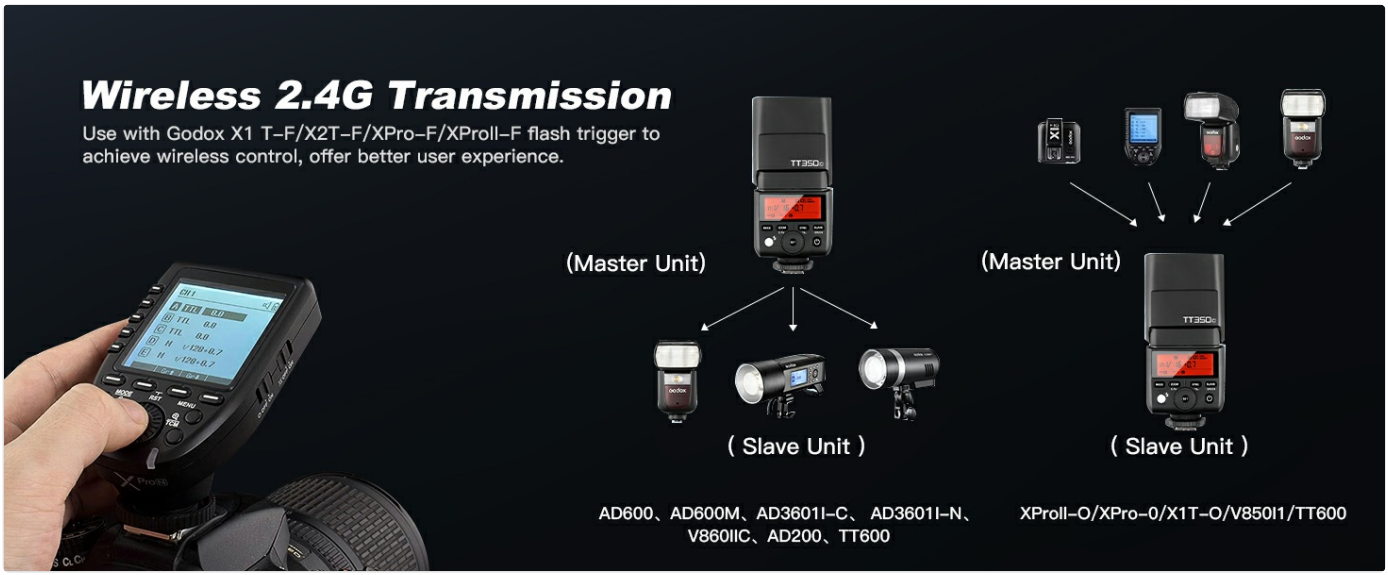


Figure 5.1: Battery compartment for two AA batteries.

5.2 Mounting the Flash

1. Slide the flash unit's hot shoe onto your camera's hot shoe mount.
2. Tighten the locking ring on the flash unit to secure it to the camera.



Figure 5.2: Hot shoe contacts for camera mounting.

6. Operating Instructions

6.1 Power On/Off

Press and hold the power button (**ON/OFF**) to turn the flash unit on or off.

6.2 LCD Panel and Controls

The LCD panel displays current settings and modes. Use the function buttons (MODE, ZOOM, SYNC, SLAVE) and the select dial (SET) to navigate and adjust settings.

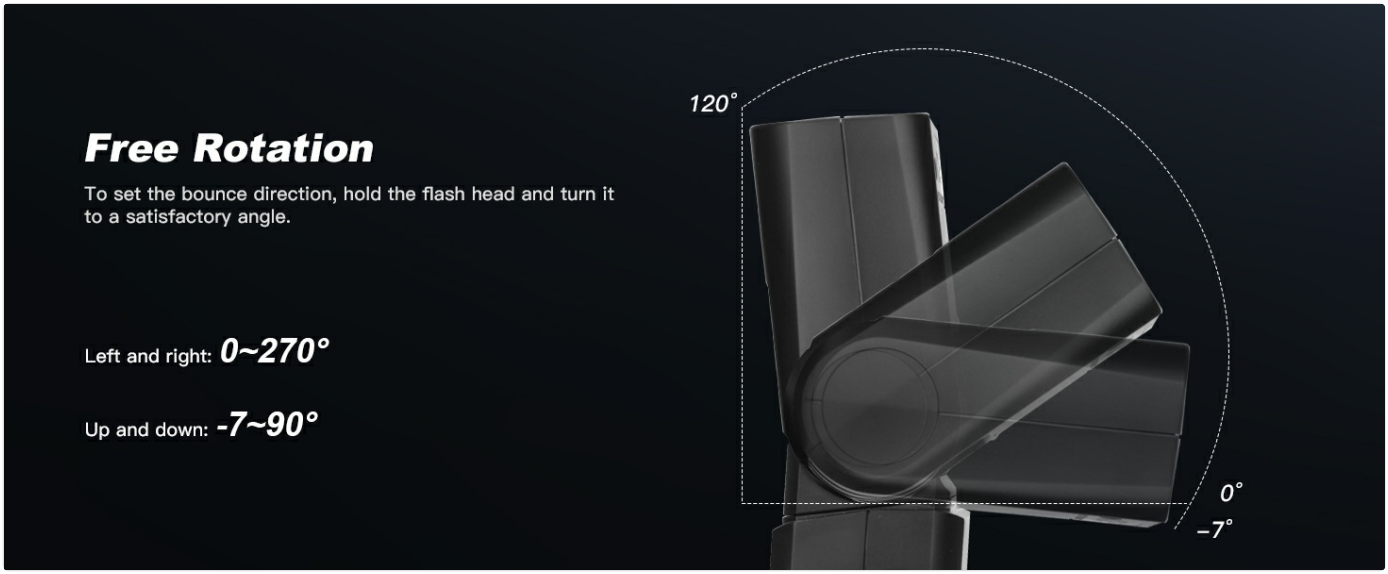


Figure 6.1: Convenient LCD panel and control buttons.

6.3 Flash Modes

Press the **MODE** button to cycle through available flash modes:

- **TTL (Through-The-Lens):** Automatic flash exposure control.
- **M (Manual):** Manually set flash power output.
- **Multi (Stroboscopic):** Fires a series of rapid flashes for multiple exposures in a single frame.



Figure 6.2: TTL Exposure Compensation examples.

6.4 Wireless Operation (2.4GHz X System)

The TT350 can function as a master or slave unit within the Godox 2.4GHz X wireless system.

- Press the **SLAVE** button to toggle between Master, Slave, and Off modes.
- In Master or Slave mode, use the**GR**/**CH** button and dial to set the group and channel for communication.



Figure 6.3: Godox 2.4G Wireless Transmission setup.

6.5 High-Speed Sync (HSS)

Press the **SYNC** button to enable High-Speed Sync (HSS), allowing flash photography at shutter speeds up to 1/8000s. This is useful for freezing fast motion or using wide apertures in bright conditions.



Figure 6.4: High-Speed Sync and other flash synchronization modes.

6.6 Flash Head Adjustment

The flash head can be tilted and rotated to direct light for bounce flash or specific lighting effects.

- **Tilt:** -7° to 90° vertically.
- **Rotation:** 0° to 270° horizontally.



Figure 6.5: Adjustable flash head for bounce and directional lighting.

6.7 Zoom Head

The built-in zoom motor automatically adjusts the flash coverage to match the lens focal length (24-105mm). You can also manually adjust the zoom by pressing the **ZOOM** button.



Figure 6.6: Auto zoom lamp head mechanism and focal length coverage.

6.8 Wide-Angle Diffuser

Pull out the built-in wide-angle diffuser panel to spread the light over a wider area, useful for wide-angle lenses or softening the light output.

Main Tech Specs

For full tech specs, see Product Description below.

Exposure control system **TTL / Manual flash**	Battery **Two AA batteries** **(sold separately)**
Guide Number (at Full Power) **≈36(ISO 100, in meters)**	Full Power Flashes **≈210** **(with 2500mA Ni-MH batteries)**
Recycle Time (at Full Power) **≈2.2s**	Flash Power Steps **22 : (1/1~1/128)**
Flash duration(t0.1) **1/350-1/20000S**	Flash duration(t0.1) **Vertical: -7-90°** **Horizontal: 0-270°**
Wireless flash function **Master, Slave, Off** **(Godox 2.4G X wireless system)**	Sync mode **HSS(up to 1/8000s)** **Front curtain sync** **Rear curtain sync**
Size **5.5 * 2.4 * 1.5"**	Weight(without Batteries) **≈200g**

Figure 6.7: Wide-angle diffuser in use.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, use a slightly damp cloth with mild detergent, then wipe dry. Do not use solvents or abrasive cleaners.
- **Storage:** Store the flash unit in a cool, dry place away from direct sunlight and moisture. Remove batteries if storing for extended periods.

- **Battery Care:** Ensure batteries are inserted correctly. Replace depleted batteries promptly.

8. Troubleshooting

If you encounter issues with your Godox TT350 flash, refer to the following common problems and solutions:

- **Flash does not fire:**
  - Check if the flash is powered on.
  - Ensure batteries are correctly inserted and have sufficient charge.
  - Verify the flash is securely mounted on the camera's hot shoe.
  - Check camera flash settings.
- **Flash output is too weak/strong:**
  - In TTL mode, check exposure compensation settings on the camera or flash.
  - In Manual mode, adjust the power output setting.
  - Ensure the zoom head matches the lens focal length.
- **Wireless triggering issues:**
  - Confirm both master and slave units are set to the same channel and group.
  - Ensure units are within the effective wireless range.
  - Check for obstructions between units.

For further assistance, please contact Godox customer support.

9. Specifications

Feature	Specification
Exposure Control System	TTL / Manual flash
Battery	Two AA batteries (sold separately)
Guide Number (at Full Power)	≈36 (ISO 100, in meters)
Full Power Flashes	≈210 (with 2500mA Ni-MH batteries)
Recycle Time (at Full Power)	≈2.2s
Flash Power Steps	22 (1/1~1/128)
Flash Duration (t0.1)	1/350-1/20000S
Wireless Flash Function	Master, Slave, Off (Godox 2.4G X wireless system)
Sync Mode	HSS (up to 1/8000s), Front curtain sync, Rear curtain sync
Size	5.5 * 2.4 * 1.5 inches (140 * 62 * 38 mm)
Weight (without Batteries)	≈200g
Compatible Mountings	Hot Shoe mount
Camera Flash Type	External

Flash Sync Speed	1/250 or higher

10. Firmware Updates

The Godox TT350 features a USB port for firmware updates. Visit the official Godox website for the latest firmware versions and instructions to ensure your flash unit has the most current features and bug fixes.

11. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Godox website. Keep your purchase receipt as proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question