GODOX TT685C

GODOX Thinklite TT685C TTL Camera Flash Speedlight Instruction Manual

Model: TT685C

1. Introduction

This manual provides detailed instructions for the safe and effective operation of your GODOX Thinklite TT685C TTL Camera Flash Speedlight. The TT685C is a versatile flash unit designed for Canon EOS DSLR cameras, featuring E-TTL II autoflash, 2.4GHz wireless transmission, high-speed sync up to 1/8000s, and a guide number of GN60. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage to the unit or your camera.

2. Product Overview

The GODOX TT685C offers advanced flash capabilities for professional and enthusiast photographers. Key features include:

- **E-TTL II Autoflash:** Automatic flash exposure control for Canon cameras.
- **2.4GHz Wireless Transmission:** Built-in system for reliable wireless flash control over distances up to 100 meters.
- **High-Speed Sync (HSS):** Flash synchronization at shutter speeds up to 1/8000 seconds.
- **Guide Number (GN60):** Powerful light output for various shooting conditions.
- **Multi/Stroboscopic Flash:** Fires a series of rapid flashes to capture multiple movements in a single exposure.
- **Auto and Manual Zoom:** Flash coverage adjustable from 20mm to 200mm.
- **First-Curtain and Second-Curtain Sync:** Creative control over flash timing relative to the shutter.
- **Dot-Matrix LCD Panel:** Clear display for easy navigation and settings adjustment.



Figure 2.1: GODOX TT685C Flash unit with included accessories (color filters, cleaning cloth, diffuser).



Figure 2.2: Front and rear views of the GODOX TT685C, showing the flash head, control panel, and battery compartment.

3. Setup

3.1 Battery Installation

The TT685C requires four (4) AA batteries for operation. Use high-quality alkaline or Ni-MH rechargeable batteries for optimal performance.

1. Locate the battery compartment door on the side of the flash unit.
2. Slide the battery compartment door latch and open the door.
3. Insert four AA batteries according to the polarity indicators (+/-) inside the compartment.
4. Close the battery compartment door securely until it clicks into place.



Figure 3.1: Open battery compartment showing battery insertion.

3.2 Mounting on Camera

To attach the TT685C to your Canon DSLR camera:

1. Ensure both the flash and camera are powered off.
2. Slide the flash's mounting foot into the camera's hotshoe.
3. Rotate the locking ring on the flash unit clockwise until it is securely tightened. Do not overtighten.

3.3 Powering On/Off

To power on the flash, slide the **ON/OFF** switch to the **ON** position. The LCD panel will illuminate. To power off, slide the switch to the **OFF** position.

4. Operating Instructions

4.1 Flash Modes

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

- **E-TTL II (TTL):** Automatic flash exposure. The flash output is automatically adjusted by the camera.
- **Manual (M):** Manually set the flash output power (1/1 to 1/128).
- **Multi (Stroboscopic):** Fires a rapid series of flashes during a single exposure. Set the flash frequency, flash count, and flash output.



Figure 4.1: The LCD panel indicating various TTL functions and flash modes.

4.2 Zoom Function

The flash head's zoom coverage can be adjusted from 20mm to 200mm.

- **Auto Zoom:** The flash automatically adjusts its zoom position to match the focal length of the lens.
- **Manual Zoom:** Press the **ZOOM** button and use the select dial to manually set the desired flash coverage.



Figure 4.2: The dot-matrix LCD panel displaying settings, including zoom.

4.3 Wireless Flash Operation (2.4GHz)

The TT685C features a built-in 2.4GHz wireless system for master or slave operation. This allows for off-camera flash control and multi-flash setups.

- **Master Mode:** The TT685C can control other GODOX 2.4GHz wireless flashes.
- **Slave Mode:** The TT685C can be triggered by a GODOX 2.4GHz wireless transmitter (e.g., X1C, XProC, X2TC, X3C) or another GODOX flash in master mode.
- To activate wireless mode, press the wireless button (often indicated by a lightning bolt icon with radio waves).
- Set the channel and group to match the master unit/transmitter.



Figure 4.3: The GODOX TT685C can be used with an external wireless trigger like the GODOX X1C (sold separately) for advanced off-camera flash control.

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. Do not use 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 the flash or subjecting it to strong impacts. Protect the flash tube and LCD panel from scratches.

6. Troubleshooting

Problem	Possible Cause	Solution
Flash does not fire.	Batteries are depleted or incorrectly inserted. Flash is not securely mounted on the hotshoe. Flash is powered off. Camera settings are incorrect (e.g., flash disabled).	Check and replace/reinsert batteries. Ensure flash is fully seated and locked on the hotshoe. Turn the flash ON. Verify camera flash settings.
Flash output is too weak/strong.	Incorrect flash mode or power setting. Flash exposure compensation (FEC) is set incorrectly. Zoom head position is not optimal.	Adjust flash mode (TTL/M) and power output. Reset or adjust FEC on the flash or camera. Ensure zoom head matches lens focal length or is set appropriately.
Wireless trigger not working.	Incorrect channel or group settings. Distance too far or obstructions. Master/slave mode not correctly set.	Verify channel and group settings on both flash and trigger. Reduce distance or clear line of sight. Ensure flash is in slave mode and trigger in master mode.
Flash not compatible with newer Canon DSLR models.	Outdated firmware.	Visit the official GODOX website to download and install the latest firmware update for the TT685C.

7. Specifications

Feature	Detail
Model	TT685C
Compatible Cameras	Canon EOS DSLR cameras (E-TTL II autoflash)
Guide Number (GN)	60 (m ISO 100, @200mm)
Flash Coverage	20 to 200mm (Auto/Manual Zoom)
Flash Duration	1/300 to 1/20000 seconds

Feature	Detail
Exposure Control System	E-TTL II Autoflash, Manual Flash, Multi Flash
Sync Mode	High-Speed Sync (up to 1/8000s), First-Curtain Sync, Second-Curtain Sync
Wireless Flash Function	Master, Slave, Off
Wireless Transmission	2.4GHz radio transmission (approx. 100m range)
Power Source	4x AA batteries
Dimensions (W x H x D)	7.5 x 3 x 2.5 inches (approx. 190 x 76 x 64 mm)
Weight (without batteries)	1.32 pounds (approx. 599g)
Item Model Number	GD00001_TT685C

8. Warranty and Support

For warranty information, technical support, or service inquiries, please contact your authorized GODOX dealer or visit the official GODOX website. Keep your purchase receipt as proof of purchase for warranty claims.
Official GODOX Website: www.godox.com

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