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GODOX TT685IIC

Godox TT685II-C Camera Flash Speedlight Instruction Manual

Model: TT685II-C

1. Introduction

The Godox TT685II-C is a versatile camera flash speedlight designed for Canon digital cameras. It features a built-in Godox 2.4G Wireless X System, High-Speed Sync (HSS), and a Guide Number of GN60, offering advanced lighting control for various photographic scenarios. This manual provides detailed instructions for setup, operation, and maintenance of your TT685II-C flash unit.

2. What's in the Box

- Godox TT685II-C Flash Unit x1
- Mini Stand x1
- Protection Case x1

3. Product Overview

Familiarize yourself with the components and controls of your Godox TT685II-C flash unit.



Figure 3.1: Godox TT685II-C Flash Unit and Included Accessories (Mini Stand, Diffuser, Protection Case)

3.1. Ports and Connections

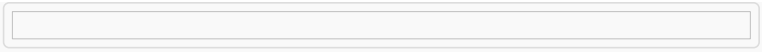


Figure 3.2: Side view of the flash unit highlighting the 3.5mm Sync Cord Jack and Type-C USB Port.

The flash unit includes a 3.5mm Sync Cord Jack for wired synchronization and a Type-C USB Port for firmware updates.

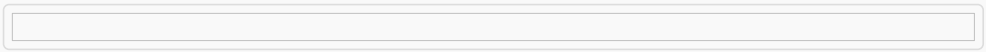


Figure 3.3: Bottom view of the flash unit indicating the Battery Compartment, Quick Release Lock, Hotshoe, and Power Port.

The battery compartment houses the AA batteries, and the Quick Release Lock secures the flash to the camera's hotshoe. A dedicated Power Port allows connection to an external power pack.

3.2. Control Panel

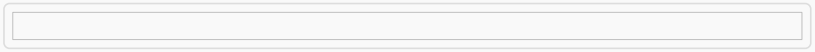


Figure 3.4: Overview of the control panel, showing Function Buttons 1-4, Menu Button, Test Button/Flash Ready Indicator, Wireless Selection Button, Power Switch, and Select Dial.

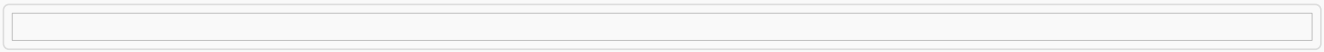


Figure 3.5: Detailed view of the central control area, including Focus Length Setting, Power Output, Mode Selection Button, Set Button, and Lock Button.

4. Setup

4.1. Battery Installation

The TT685II-C uses 4 AA batteries. Ensure correct polarity when inserting them.



Figure 4.1: Open battery compartment for inserting AA batteries.

To install batteries: Slide the battery compartment cover open, insert four AA batteries according to the polarity indicators, and close the cover securely. (Refer to video timestamp 0:49 for visual guidance).

4.2. Mounting on Camera

Attach the flash unit to your camera's hotshoe using the quick-release lock mechanism.

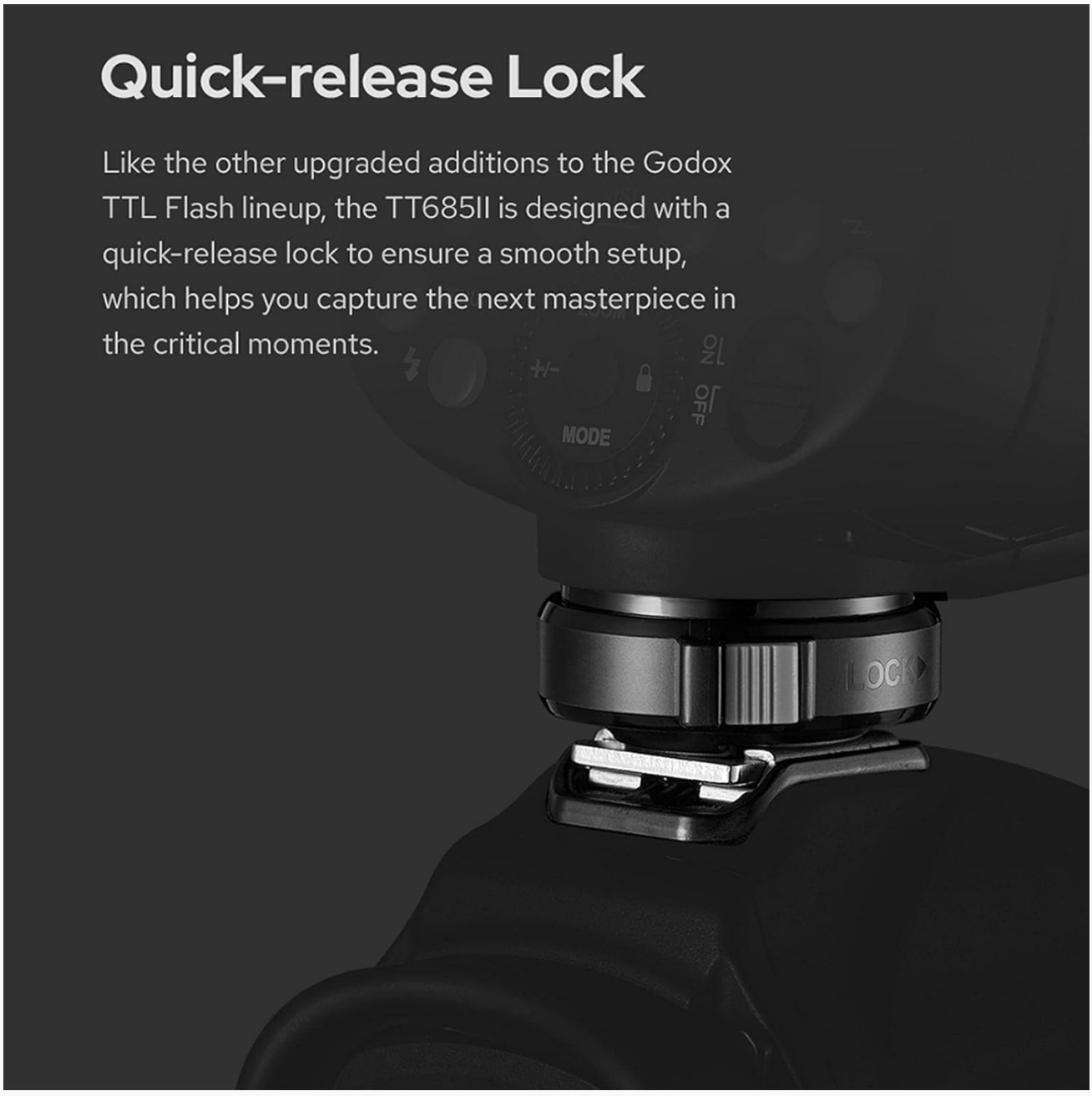


Figure 4.2: The quick-release lock ensures secure and smooth attachment to the camera hotshoe.

To mount: Slide the flash hotshoe into the camera's hotshoe. Rotate the Quick Release Button to fix the connection. (Refer to video timestamp 1:15 for visual guidance).

4.3. Connecting with External Power Pack (PB960)

For extended use and faster recycling times, the TT685II-C can be connected to an external power pack like the Godox PB960.



Figure 4.3: The TT685II-C flash connected to an external PB960 power pack for enhanced performance.

To connect: Ensure batteries are installed in the flash. Uncover the socket of the PB960, plug in the Propac Cable, and screw the knob to fix the connection. Plug the other end of the Propac Cable into the Power Port of the TT685II-C. (Refer to video timestamp 1:02 for visual guidance).

5. Operating Instructions

This section details the various operating modes and functions of the Godox TT685II-C flash unit. For a comprehensive visual guide, please refer to the official operation tutorial video below.

Your browser does not support the video tag.

Video 5.1: Godox TT685II-C Camera Flash Operation Tutorial. This video demonstrates various features including setup, wireless connection, and control panel functions.

5.1. Power On/Off and Mode Selection

Push the power switch to turn the flash unit on or off. Short press the MODE button to cycle through ETTL, Manual (M), and Multi flash modes. (Refer to video timestamp 2:51).

5.2. TTL Automatic Metering

In ETTL mode, the flash automatically adjusts its output for correct exposure. This mode supports High-Speed Sync (HSS), Flash Exposure Compensation (FEC), Flash Exposure Bracketing (FEB), and Rear-Curtain Sync.



Figure 5.2: Visual examples of TTL automatic metering, flash exposure compensation, and front/rear curtain sync.

To set FEC: Short press the "+/-" button and turn the dial to set the FEC amount. (Refer to video timestamp 2:59).

5.3. Manual Mode (M)

In Manual mode, you control the flash output directly. The TT685II-C offers 22 steps of power output from 1/1 to 1/128.
To set flash output: Short press the MODE button to select M mode. Short press the "+/-" button and turn the dial to set the flash output. (Refer to video timestamp 3:18).

5.4. Multi Flash Mode

Multi flash mode allows for stroboscopic effects by firing a series of rapid flashes. You can set the flash output, number of flashes, and frequency (Hz).
To set Multi mode: Short press the MODE button to select MULTI mode. Short press the "+/-" button and turn the dial to set the flash output. Use the Times button to set the number of flashes and the Hz button to set the flash frequency. (Refer to video timestamp 3:30).

5.5. High-Speed Sync (HSS) and Rear-Curtain Sync

The TT685II-C supports HSS up to 1/8000s and Rear-Curtain Sync for creative effects.
To select sync mode: Short press the SYNC button to select High-Speed Sync or Rear-Curtain Sync. (Refer to video timestamp 3:06).

5.6. Flash Exposure Bracketing (FEB)

FEB automatically takes three shots with varying flash exposures to ensure optimal results.

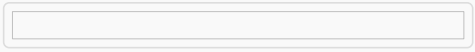


Figure 5.3: The flash display indicating Flash Exposure Bracketing (FEB) settings.

To use FEB: Short press the FEB button and turn the dial to set the FEB amount. Short press the SET button to confirm. The flash will shoot three times, automatically changing the output for each shot from -1.3 to +1.3 in 1/3rd stops. (Refer to video timestamp 3:10 and 5:04 for demonstration).

5.7. TCM Instant Conversion

The TCM (TTL Converted to Manual) function allows for instant conversion from TTL to manual mode while retaining the flash output, ensuring consistent exposure.



Figure 5.4: The flash display showing the TCM function, allowing conversion from ETTL to Manual mode.

To use TCM: Short press the TCM button to transform from ETTL to M mode, retaining the flash output. (Refer to video timestamp 3:03 and 4:44 for demonstration).

5.8. Wireless Operation (Godox 2.4G Wireless X System)

The TT685II-C features a built-in 2.4G wireless X system, allowing it to function as both a transmitter and a receiver unit for seamless connectivity with compatible flashes and triggers.



Figure 5.5: The Godox TT685II-C flash unit interacting with a Godox XPro trigger, demonstrating the 2.4G Wireless X System.

To select Transmitter/Receiver Unit: Short press the Wireless Selection Button to toggle between Transmitter Unit (TX) and Receiver Unit (RX) modes. (Refer to video timestamp 3:54).

5.8.1. Transmitter Unit (TX) Setup

When the TT685II-C acts as a transmitter, it controls other receiver flashes. Set the channel and ID of the TT685II-C to match the receiver flashes. (Refer to video timestamp 1:23).

5.8.2. Receiver Unit (RX) Setup

When the TT685II-C acts as a receiver, it is controlled by a transmitter unit. Set the channel and ID of the TT685II-C to match the transmitter. (Refer to video timestamp 2:00).

5.9. Main Menu Navigation (Custom Functions - C.Fn)

The main menu allows access to custom functions (C.Fn) for advanced settings.
To access the menu: Short press the MENU button to enter the main menu display. Use the dial to navigate and the SET button to confirm selections. (Refer to video timestamp 5:19).

- **m/ft (Meter/Feet)**: Select unit for distance display.

- **AF (Autofocus Assist Beam)**: Turn ON/OFF.
- **STBY (Standby)**: Set standby time (e.g., 60min/30min).
- **RX STBY (Receiver Standby)**: Set receiver standby time.
- **SCAN (Channel Scan)**: Scan for available channels (OFF/START).
- **CH (Channel)**: Select wireless channel (1-32).
- **ID (Wireless ID)**: Select wireless ID (OFF/01-99).
- **BEEP**: Turn ON/OFF beep sound.
- **LIGHT (LCD Backlight)**: Set LCD backlight duration (12sec/OFF/ON).
- **LCD (LCD Brightness)**: Adjust LCD brightness (-3 to 3).
- **FEB ACL (FEB Auto Clear)**: Turn ON/OFF FEB auto clear.
- **TX (Transmitter Flash Function)**: Turn ON/OFF flash function of the transmitter unit.

6. Maintenance

To ensure the longevity and optimal performance of your Godox TT685II-C flash unit, follow these maintenance guidelines:

- Keep the flash unit dry. Do not handle with wet hands or immerse in water.
- Use a soft, dry cloth to clean the unit. Avoid harsh chemicals or abrasive cleaners.
- Remove batteries when the flash is not in use for extended periods to prevent leakage.
- Store the flash in its protective case in a cool, dry place away from direct sunlight and extreme temperatures.
- Regularly check for firmware updates on the official Godox website to ensure compatibility and access to new features.

7. Troubleshooting

If you encounter issues with your Godox TT685II-C, refer to the following common troubleshooting steps:

- **Flash not firing:** Check battery levels, ensure the flash is securely mounted on the camera hotshoe, and verify that the camera's flash settings are correct.
- **Inconsistent exposure:** Ensure the flash mode (ETTL/M) is appropriate for your shooting conditions. Check for correct wireless channel and ID settings if using off-camera flash.
- **Wireless connection issues:** Verify that both the transmitter and receiver units are set to the same channel and ID. Ensure there are no obstructions between the units and that they are within the effective range.
- **Slow recycling time:** Replace old batteries with fresh ones or connect an external power pack (e.g., Godox PB960).
- **Flash head not rotating/tilting:** Ensure no physical obstructions are present and that the head is not locked.

If problems persist, consult the official Godox support resources or contact customer service.

8. Specifications

Feature	Specification
Model Number	TT685IIC
Brand	GODOX

Feature	Specification
Compatible Mountings	Canon EOS Cameras
Camera Flash Type	Hotshoe
Flash Sync Speed	1/8000s (HSS)
Power Source	4x AA Batteries (Ni-MH recommended)
Recycle Time	0.1-2.6s (with Ni-MH battery)
Full Power Flashes	Approx. 330 times
Bounce Angle	Tilt: -7° to 120°, Rotate: 0° to 330°
Wireless System	Godox 2.4G Wireless X System
Item Weight	1.28 pounds
Package Dimensions	8.11 x 3.46 x 3.35 inches
Date First Available	November 7, 2021

9. Warranty and Support

For warranty information and technical support, please refer to the official Godox website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.
Official Godox Website: www.godox.com

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