GODOX TT685II-S

Godox TT685II-S TTL Speedlite Instruction Manual

For Sony Alpha Cameras

1. Introduction

Thank you for purchasing the Godox TT685II-S TTL Speedlite. This powerful and versatile flash unit is designed for Sony Alpha cameras, offering advanced features such as TTL auto flash, manual flash, multi-flash, high-speed sync (HSS), and a built-in 2.4G wireless X system. This manual provides detailed instructions for safe and effective use of your speedlite.

2. Safety Information

- Always keep this product dry. Do not use in rain or damp conditions.
- Do not disassemble. If repairs become necessary, this product must be sent to an authorized maintenance center.
- Keep out of reach of children.
- Do not use the flash unit in the presence of flammable gases, chemicals, or other similar materials. In certain circumstances, these materials might be sensitive to the strong light emitted from this flash unit, and fire or electromagnetic interference may result.
- Do not leave or store the flash unit in environments with high temperatures, such as in a vehicle on a hot day.
- Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise, visual impairment may occur.
- Turn off the power immediately in case of malfunction.

3. Product Overview

The Godox TT685II-S Speedlite features an intuitive control panel and a robust design for reliable

performance.



Figure 3.1: Detailed view of the Godox TT685II-S control panel, highlighting the LCD display, function buttons, power switch, select dial, and quick-release lock.

Key Components:

- **LCD Display:** Shows current settings and modes.
- **Function Buttons (1-4):** Context-sensitive buttons for menu navigation and setting adjustments.
- **Power Switch:** Turns the unit on/off.
- **Select Dial:** Used to navigate menus and adjust values.
- **Quick-Release Lock:** Secures the speedlite to the camera hotshoe.
- **Hotshoe:** Connects the speedlite to your camera.
- **Flash Head:** Adjustable for bounce and swivel.



Figure 3.2: The flash head can be rotated 330 degrees and tilted from -7 to 120 degrees. The unit also features a Type-C USB updating port and a 3.5mm sync cord jack for external connections.

4. Setup

4.1 Battery Installation

1. Slide the battery compartment cover open.
2. Insert four AA batteries (alkaline or Ni-MH are recommended) according to the polarity indicators inside the compartment.
3. Close the battery compartment cover securely.

4.2 Mounting on Camera

1. Slide the speedlite's hotshoe onto your camera's hotshoe until it clicks into place.
2. Rotate the quick-release lock clockwise to secure the speedlite firmly to the camera.

4.3 Power On/Off

Press the power switch to turn the speedlite on or off. The LCD display will illuminate upon powering on.

5. Operating Modes

The TT685II-S offers various flash modes for diverse photographic needs.

5.1 TTL Auto Flash Mode

In TTL mode, the flash output is automatically adjusted to achieve correct exposure. This mode supports:

- **High-Speed Sync (HSS):** Allows the flash to synchronize with shutter speeds up to 1/8000s, enabling wider apertures in bright conditions.
- **Flash Exposure Compensation (FEC):** Adjusts the flash output level to fine-tune exposure.

- **Flash Exposure Bracketing (FEB):** Automatically fires three flashes with different exposure values to ensure optimal results.
- **Rear-Curtain Sync:** Fires the flash just before the shutter closes, creating a trail of light behind moving subjects.



Figure 5.1: The FEB function captures three images with varying exposures (correct, underexposed, overexposed) to ensure a perfectly exposed shot.

5.2 Manual Flash Mode

In Manual mode, you manually set the flash output from 1/1 (full power) to 1/128 power in 22 steps. This provides precise control over lighting for creative effects.

5.3 Multi Flash Mode (Stroboscopic Flash)

Multi-flash mode fires a series of rapid flashes during a single exposure, capturing multiple movements of a subject in one frame. You can set the flash output, frequency, and number of flashes.

5.4 TCM Instant Conversion Function

The TCM (TTL Converted to Manual) function allows for instant conversion of a TTL exposure value to a manual power setting. This helps lock in the proper exposure value, ensuring consistent light output across

shots.



Figure 5.2: Visual representation of the TCM function, showing how exposure can be adjusted from an original TTL output to achieve desired brightness levels.

6. 2.4G Wireless X System

The TT685II-S features a built-in Godox 2.4G wireless X system for seamless connectivity with compatible flashes or flash triggers. This system offers a range of connections up to 100 meters, providing ultimate freedom for lighting setups.



Figure 6.1: Diagram illustrating the 2.4G Wireless X System, enabling the TT685II-S to function as both a transmitter and receiver for off-camera flash control.

6.1 Transmitter & Receiver Functionality

The TT685II-S can act as both a transmitter and a receiver, offering maximum flexibility to work with other flashes in a multi-flash setup.



Figure 6.2: The TT685II-S configured as a transmitter on a camera, controlling other flash units set as receivers for a versatile lighting arrangement.

6.2 Channel and Group Settings

A wide selection of groups and channels ensures a reliable shooting process without interference. Refer to the on-screen menu for detailed settings.

6.3 Official Product Video: Godox TT685II Operation Tutorial

Your browser does not support the video tag.

Video 6.1: An official tutorial demonstrating the operation of the Godox TT685II, including E-TTL, HSS, and GN60 features.

7. Power Management

The TT685II-S can be connected to an external Lithium-Ion power pack, such as the PB960, to boost flash performance and achieve shorter recycling times.



Figure 7.1: The Godox TT685II-S Speedlite connected to an external PB960 Lithium-Ion power pack, illustrating how to extend battery life and improve recycling speed.

8. Maintenance

- Clean the flash unit regularly with a soft, dry cloth.
- Avoid using strong detergents or solvents.
- Remove batteries when the unit is not in use for extended periods to prevent leakage.
- Store in a cool, dry place away from direct sunlight.

9. Troubleshooting

- **Flash not firing:** Check battery levels, ensure the unit is securely mounted on the hotshoe, and verify flash mode settings.
- **Inconsistent exposure:** Review TTL compensation settings, adjust manual power, or check for obstructions to the flash sensor.
- **Wireless connection issues:** Ensure both transmitter and receiver units are on the same channel and

group, and within range.

- **Slow recycling time:** Replace batteries or connect an external power pack.

10. Specifications

Feature	Detail
Model Number	TT685II-S
Brand	GODOX
Compatible Mountings	Sony Alpha
Camera Flash Type	Hotshoe
Flash Sync Speed	1/8000s (High-Speed Sync)
Item Weight	0.317 ounces
Package Dimensions	9.21 x 6.42 x 3.98 inches
Date First Available	November 5, 2021

11. Warranty and Support

For warranty information and technical support, please refer to the official Godox website or contact your local distributor. Keep your purchase receipt as proof of purchase for any warranty claims.

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