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GODOX TT685IIN

Godox TT685IIN Speedlite Flash for Nikon User Manual

Model: TT685IIN

1. Introduction

The Godox TT685IIN is a powerful Speedlite flash designed for Nikon cameras, offering advanced features such as 1/8000s High-Speed Sync (HSS), TTL auto-flash, and the Godox 2.4G X System. This manual provides detailed instructions for the proper setup, operation, and maintenance of your TT685IIN flash to ensure optimal performance and longevity.



Figure 1: Godox TT685IIN Speedlite Flash unit.

2. Setup

2.1 Battery Installation

The TT685IIN flash requires four AA batteries for operation.

1. Locate the battery compartment on the side of the flash unit.
2. Slide the battery compartment cover open.
3. Insert four AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

2.2 Mounting to Camera

To attach the flash to your camera's hotshoe:

1. Ensure the flash is powered off.

2. Slide the flash hotshoe into your camera's hotshoe mount.
3. Engage the quick-release lock to secure the flash firmly in place.

2.3 External Power Connection

For faster recycling times and extended use, the TT685IIN can be connected to an external lithium-ion power pack, such as the Godox PB960 (sold separately).

1. Locate the power port on the side of the flash unit.
2. Connect the cable from the external power pack to this port.



Figure 2: Connecting the TT685IIN to an external power pack for enhanced performance.

2.4 Sync Cord and 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: Location of the 3.5mm Sync Cord Jack and Type-C USB Port.

3. Operating Instructions

3.1 Control Panel Overview

The TT685IIN features an intuitive control panel for easy adjustment of settings.



Figure 4: Detailed view of the TT685IIN control panel with labeled functions.

- **LCD Display:** Shows current settings and modes.
- **Function Buttons (1-4):** Context-sensitive buttons for menu navigation.
- **Menu Button:** Accesses the main menu.
- **Focus Length Setting / Zoom Button:** Adjusts flash zoom.
- **Test Button / Flash Ready Indicator:** Fires a test flash and indicates readiness.
- **Power Output Mode Selection Button:** Cycles through flash modes (TTL, Manual, Multi).
- **Wireless Selection Button:** Activates wireless flash modes.
- **Power Switch:** Turns the unit on/off.
- **Select Dial:** Navigates menus and adjusts values.
- **Lock Button:** Locks selected settings.

3.2 Bounce Angle Adjustment

The flash head can be tilted from -7° to 120° and rotated 330° for flexible bounce flash angles. This allows for softer, more diffused lighting by bouncing the flash off ceilings or walls.



Figure 5: The flash head can be adjusted for various bounce angles.

3.3 TCM Instant Conversion

The TCM (TTL Converted to Manual) function allows for instant conversion of a TTL exposure value to manual mode. This helps to lock in a proper exposure value, ensuring consistent lighting.



Figure 6: Visual representation of TCM function adjusting exposure.

3.4 FEB (Flash Exposure Bracketing) Function

The FEB function allows the flash to shoot three images with varying exposures (correct, underexposure, and overexposure) to ensure optimal results.

1. Short press the FEB button.
2. Turn the dial to set the desired FEB amount.
3. Shoot to capture three bracketed images.



Figure 7: A photographer utilizing the FEB function for exposure bracketing.

3.5 2.4G Wireless X System

The TT685IIN has a built-in Godox 2.4G X System receiver, allowing it to function as both a transmitter and receiver flash. This enables seamless wireless control with compatible Godox flashes or flash triggers (e.g., Godox XProS, sold separately).



Figure 8: The TT685IIN configured as a receiver unit in a 2.4G wireless setup.



Figure 9: The TT685IIN integrating as both transmitter and receiver with other flash units.

The wireless flash function supports Transmitter, Receiver, and Off modes. It operates on 32 channels (1-32) with ID settings from 01-99. Controllable receiver groups include A, B, C, D, E (E group can be controlled by X series flash triggers).

3.6 High-Speed Sync (HSS)

The TT685IIN supports High-Speed Sync up to 1/8000s, allowing you to use flash with fast shutter speeds, which is ideal for freezing action or overpowering ambient light.

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Video 1: Demonstration of Godox TT685IIN features, including High-Speed Sync and TCM function.

4. Maintenance

- Keep the flash unit dry. Do not handle with wet hands.
- Clean the flash head and body with a soft, dry cloth. Avoid using solvents or harsh chemicals.
- Remove batteries if the flash will not be used for an extended period to prevent leakage.

- Store the flash in a cool, dry place, away from direct sunlight and extreme temperatures.

5. Troubleshooting

Problem	Possible Cause	Solution
Flash does not power on.	Batteries are depleted or incorrectly inserted.	Replace batteries or check polarity. Ensure the power switch is ON.
Flash does not fire.	Flash not securely mounted, camera settings incorrect, or flash not ready.	Ensure flash is fully seated in hotshoe and quick-release lock is engaged. Check camera flash settings. Wait for flash ready indicator.
Mounting lock feels loose or breaks easily.	Excessive force during mounting/unmounting or manufacturing defect.	Handle with care. If defective, contact customer support for assistance.
Inconsistent exposure in TTL mode.	Complex lighting conditions, subject distance, or camera metering issues.	Use Flash Exposure Compensation (FEC) or switch to Manual mode with TCM function for precise control.
Wireless connection issues.	Incorrect channel/ID settings, distance, or interference.	Verify channel and ID settings on both flash and trigger. Reduce distance between units. Check for obstructions.

6. Specifications

Model	Godox TT685IIN
Compatible Mountings	Nikon
Flash Sync Speed	Up to 1/8000s (HSS)
Wireless System	Built-in Godox 2.4G X System
Wireless Flash Function	Transmitter, Receiver, Off
Channels	32 (1~32)
ID	01-99
Controllable Receiver Groups	A, B, C, D, E (E group controllable by X series flash trigger)
Auto Focus Assist Beam Effective Range	Center: 0.6~10m (2.0~32.8 feet); Periphery: 0.6~5m (2.0~16.4 feet)
Power Source	4 AA batteries (external power pack PB960 optional)
Product Dimensions	7.87 x 3.54 x 3.15 inches
Item Weight	1.69 pounds
Manufacturer	GODOX

7. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official Godox website or contact your

authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

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