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GODOX TT685II-N

Godox TT685II-N Speedlite User Manual

Model: TT685II-N
Brand: GODOX

1. Introduction

This user manual provides comprehensive instructions for the operation and maintenance of your Godox TT685II-N Speedlite. The TT685II-N is a versatile camera flash designed for Nikon cameras, offering advanced features such as I-TTL II autoflash, High-Speed Sync (HSS) up to 1/8000s, and a built-in Godox 2.4G Wireless X System for seamless integration into various lighting setups. Please read this manual thoroughly before use to ensure proper and safe operation.

2. What's in the Box

Upon opening the package, please verify that all the following items are included:

- Godox TT685II-N Camera Flash
- Mini Stand
- Protection Case
- User Manual
- USB Light
- Diffuser
- Filter

Model

TT685II

Guide No.(1 / 1 output,200mm)

GN ≈ 60 (m ISO100)

Flash Duration

1 / 300s - 1 / 20000s

Flash Coverage

20 - 200mm

Auto zoom (Flash coverage set automatically to match the lens focal length and image size)

Manual zoom

Swinging / tilting flash head (bounce flash):
0 - 330° horizontally and -7° - 120° vertically

Exposure Control

Exposure control system

E - TTL II autoflash and manual flash

Multi flash

Provided (up to 100 times, 199Hz)

FE lock

With <FEL> button or< * > button

Sync mode

High - speed sync (up to 1 / 8000s),
first - curtain sync, and second - curtain sync

Flash exposure compensation (FEC)

Manual. FEB: ± 3 stops in 1 / 3 stop increments
(Manual FEC and FEB can be combined.)

Wireless Flash

Wireless flash function

Transmitter, Receiver, Off

Transmitter groups

A,B,C,D

Transmission range (approx.)

100m

Channels

32 (1 ~ 32)

ID

01 - 99

Modeling flash

Fired with camera's depth - of - field preview button

Controllable Receiver groups

A, B, C, D, E (E group can be controlled by X series flash trigger)

Image: All components included in the Godox TT685II-N Speedlite package.

3. Setup

3.1 Battery Installation

The TT685II-N Speedlite operates on four AA batteries. For optimal performance and recycle times, Ni-MH rechargeable batteries are recommended.

1. Open the battery compartment cover located on the side of the flash unit.
2. Insert four AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
3. Close the battery compartment cover securely.

3.2 Mounting to Camera

The Speedlite features a quick-release lock for secure and easy mounting onto your camera's hot shoe.

1. Slide the flash hot shoe into your camera's hot shoe mount.
2. Push the quick-release lock lever forward until it clicks into place, securing the flash.
3. To remove, push the quick-release lock lever backward and slide the flash off the hot shoe.



Image: Quick-release lock for secure camera mounting.

4. Operating the Speedlite

4.1 Flash Modes

The TT685II-N supports various flash modes to suit different shooting scenarios. Press the **MODE** button to cycle through modes.

- **I-TTL II Autoflash Mode:** Automatically sets flash output for correct exposure. Supports FEC (Flash Exposure Compensation), FEB (Flash Exposure Bracketing), and FE Lock.
- **Manual Flash Mode (M):** Allows manual adjustment of flash power from 1/1 (full power) to 1/128 in 1/3 stop increments.
- **Multi Flash Mode (Stroboscopic):** Fires a series of rapid flashes to capture multiple images of a moving subject in a single frame. Adjustable frequency (Hz) and number of flashes.



Image: Overview of flash modes and sync options.

4.2 Sync Modes

- **High-Speed Sync (HSS):** Enables flash synchronization at all shutter speeds up to 1/8000s, useful for freezing fast motion or using wide apertures in bright conditions.
- **First-Curtain Sync:** Flash fires immediately after the first curtain opens.
- **Second-Curtain Sync:** Flash fires just before the second curtain closes, creating a trail effect for moving subjects.

4.3 Godox 2.4G Wireless X System

The TT685II-N features a built-in 2.4G wireless system, allowing it to function as a master or slave unit with other Godox X system compatible flashes and triggers.

- **Master Mode:** Controls other slave flashes. Supports groups A, B, C, D.
- **Slave Mode:** Triggered by a master unit. Supports groups A, B, C, D, E.
- **Transmission Range:** Approximately 100 meters.
- **Channels:** 32 (1-32) and ID (01-99) for interference-free operation.

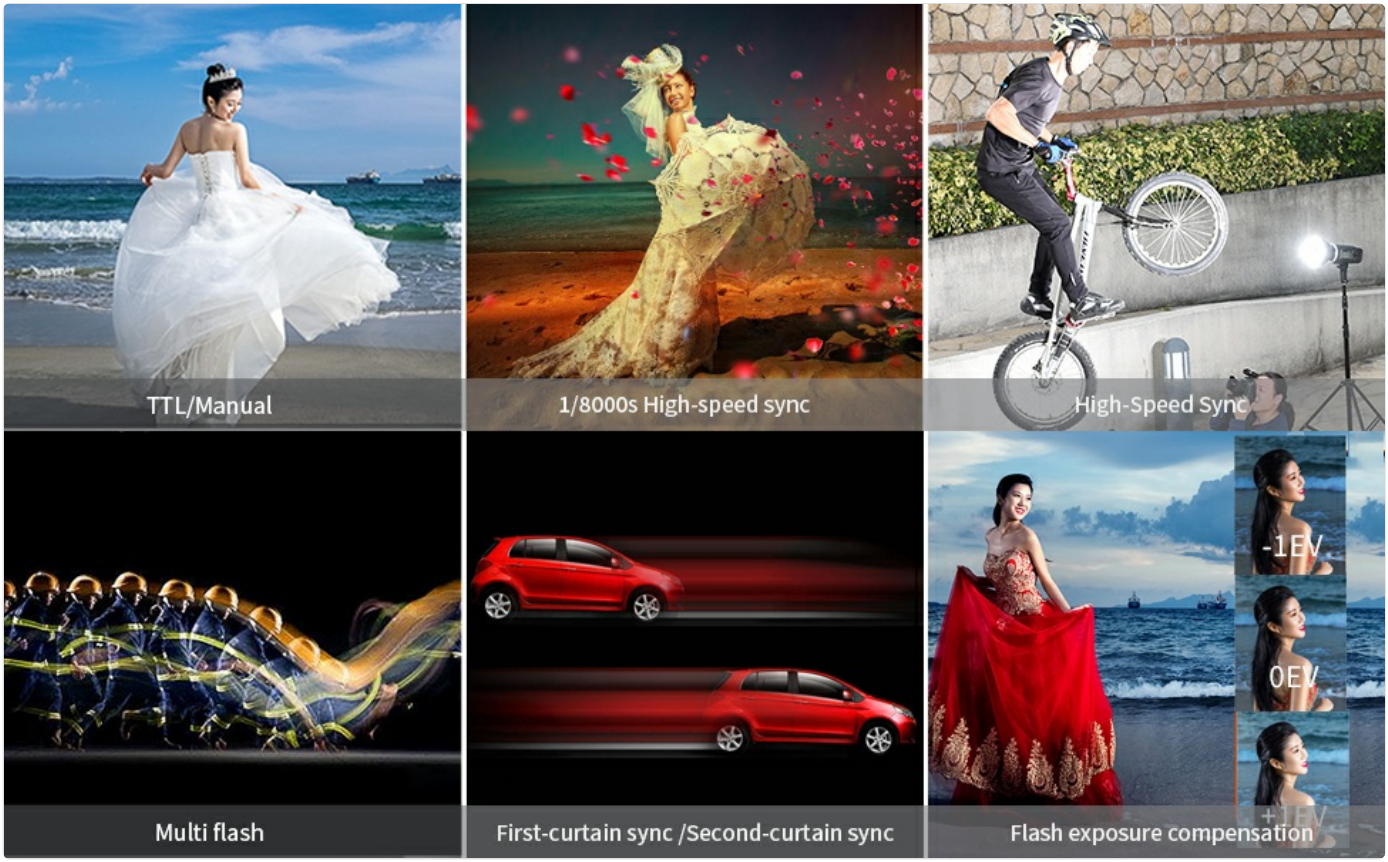


Image: Godox 2.4G Wireless X System connectivity.



Image: Transmitter and Receiver Flash configurations.

4.4 TCM Instant Conversion

The TCM (TTL Converted to Manual) function allows for quick conversion of a TTL exposure value into a manual power setting. This helps in quickly finding a good starting point for manual flash settings.



Image: TCM function display.

4.5 Bounce Angle Adjustment

The flash head can be tilted from -7° to 120° and rotated 360° horizontally, providing flexible bounce flash angles for softer, more natural lighting.



Image: Broader Bounce Angle capability.

5. Specifications

Feature	Description
Model	TT685II-N
Compatible Mountings	Nikon
Guide No. (1/1 output @ 200mm)	60 (m ISO 100) / 190 (feet ISO 100)
Flash Coverage	20 to 200mm (Auto zoom and Manual zoom)
Flash Duration	1/300s to 1/20000s
Exposure Control System	I-TTL II autoflash and Manual flash
Multi Flash	Provided (up to 100 times, 199Hz)
Sync Mode	High-speed sync (up to 1/8000s), First-curtain sync, Second-curtain sync
Flash Exposure Compensation (FEC)	Manual. FEB: ±3 stops in 1/3 stop increments

Feature	Description
Wireless Flash Function	Master, Slave, Off
Transmission Range (approx.)	2.4G ≤ 100M
Channels	32 (1-32)
ID	01-99
Auto Focus Assist Beam Effective Range	Center: 0.6-10m / 2.0-32.8ft; Periphery: 0.6-5m / 2.0-16.4ft
Power Supply	Ni-MH battery (recommended) or LR6 alkaline battery * 4
Full Power Flashes	Approx. 330 times
Recycle Time	0.1-2.6s (rechargeable Ni-MH battery)
Power Saving	Automatically powers off after approx. 90s of idle operation (60 minutes if set as Receiver)
Sync Triggering Mode	Hotshoe, 2.5mm sync line
Dimensions (W x H x D)	64 x 76 x 190 mm
Weight without battery	405g
Weight with battery	489g

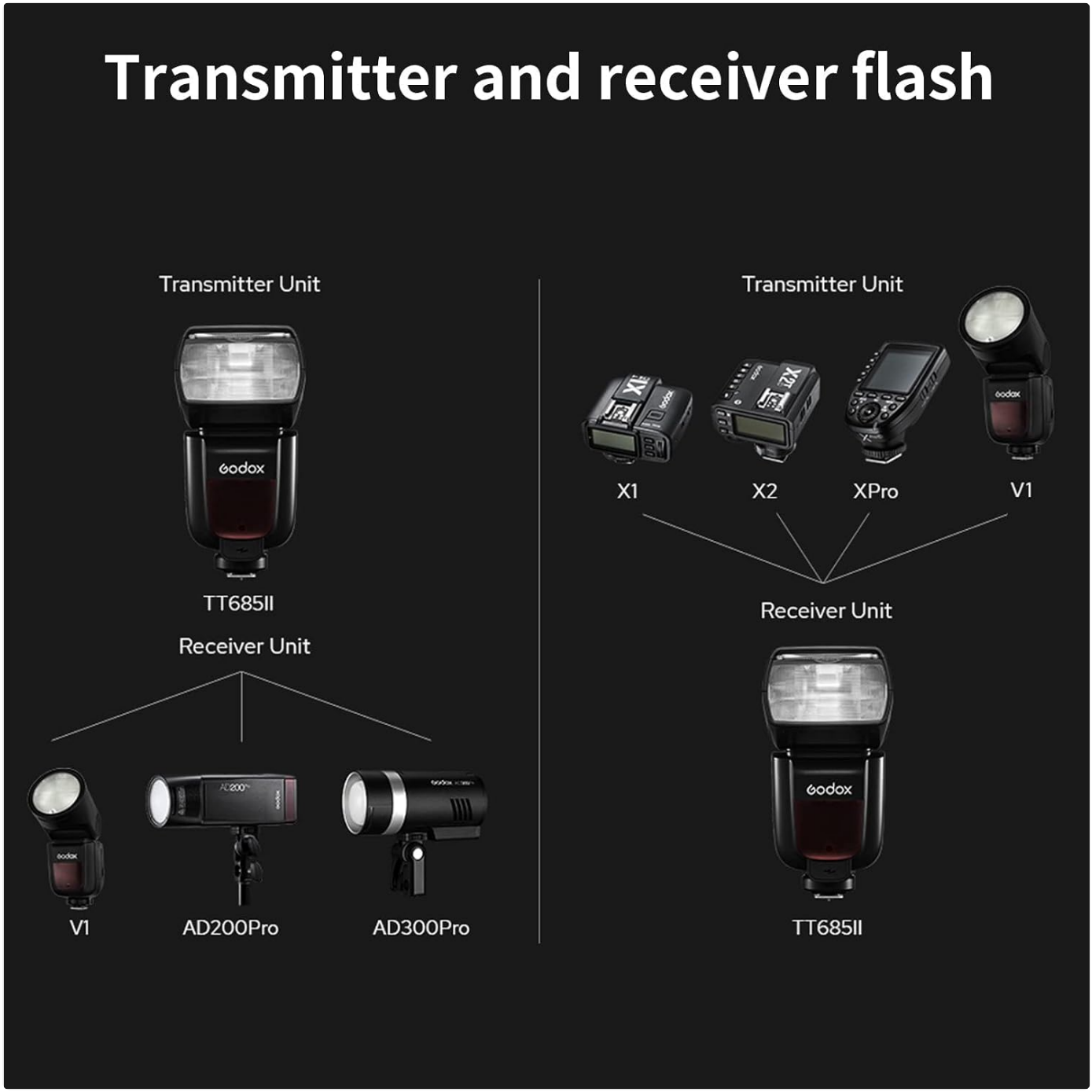


Image: Detailed product specifications.

6. Troubleshooting

If you encounter issues with your Godox TT685II-N Speedlite, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Flash does not fire.	◦ Check battery level and ensure batteries are inserted correctly. ◦ Ensure the flash is securely mounted on the camera hot shoe. ◦ Verify the flash is powered on. ◦ Check camera flash settings (e.g., external flash enabled). ◦ If in wireless mode, ensure master and slave units are on the same channel and ID.

Problem	Possible Cause / Solution
Flash output is too dark/bright.	◦ Adjust Flash Exposure Compensation (FEC) on the flash or camera. ◦ In Manual mode, adjust the power output. ◦ Check ISO, aperture, and shutter speed settings on the camera. ◦ Ensure flash coverage (zoom) matches lens focal length.
Slow recycle time.	◦ Batteries may be low; replace or recharge. ◦ Using full power flashes frequently will increase recycle time. ◦ Consider using an external power pack (e.g., Godox PB960, sold separately) for faster recycling.
Wireless triggering issues.	◦ Ensure all units (master/slave) are set to the same channel and ID. ◦ Check for obstructions between master and slave units. ◦ Verify units are within the effective transmission range (100m). ◦ Ensure the slave unit is not in "Off" mode for wireless function.

7. Maintenance

To ensure the longevity and optimal performance of your Godox TT685II-N Speedlite, follow these maintenance guidelines:

- Keep the flash unit dry. Do not expose it to rain, moisture, or high humidity.
- Clean the flash body with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth with mild detergent, then wipe dry.
- Avoid touching the flash tube directly with bare hands, as oils can reduce its lifespan. If touched, clean with a lint-free cloth and alcohol.
- Store the flash in its protection case when not in use to prevent dust and scratches.
- Remove batteries if the flash will not be used for an extended period to prevent leakage.
- Avoid strong impacts or dropping the unit.
- Do not attempt to disassemble or repair the flash yourself. Refer to authorized service personnel.

8. Warranty and Support

For warranty information and technical 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.
Manufacturer: Godox
Date First Available: November 8, 2021

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