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Godox TT685II-C

Godox TT685II-C TTL Flash for Canon Cameras User Manual

Model: TT685II-C

1. Introduction

Thank you for purchasing the Godox TT685II-C TTL Flash. This flash is designed for Canon EOS cameras and features a powerful guide number of GN60, High-Speed Sync (HSS) up to 1/8000s, and a built-in Godox 2.4G wireless X system. It also includes the innovative TCM function for real-time TTL to manual conversion, enhancing your shooting efficiency and creative control. Please read this manual carefully before use to ensure proper operation and optimal performance.

2. Safety Information

- Do not disassemble or modify this product. There are high-voltage components inside.
- Keep this product dry. Do not handle with wet hands or immerse in water.
- Do not use the flash unit in the presence of flammable gases, chemicals, or other similar materials.
- Keep out of reach of children.
- Remove batteries when not in use for extended periods.
- Avoid direct eye exposure to the flash, especially at close distances, as it may impair vision.

3. Package Contents

- Godox TT685II-C Flash Unit x1
- Protective Bag x1
- Mini Stand x1
- Cleaning Cloth x1

4. Product Overview

The Godox TT685II-C flash unit is designed for versatility and ease of use. It features a clear LCD screen for settings, a rotatable head for bounce flash, and a quick-release lock for secure mounting.



Image: The Godox TT685II-C flash unit shown with its protective bag, mini stand, and cleaning cloth.

5. Setup

5.1 Battery Installation

The TT685II-C flash requires 4 AA batteries (not included). Open the battery compartment cover, insert the batteries according to the polarity indicators, and close the cover securely.



Image: Close-up view of the battery compartment, showing where to insert 4 AA batteries.

5.2 Mounting to Camera

1. Slide the flash hot shoe into the camera's hot shoe mount.
2. Push the quick-release lock lever to the right to secure the flash firmly in place.

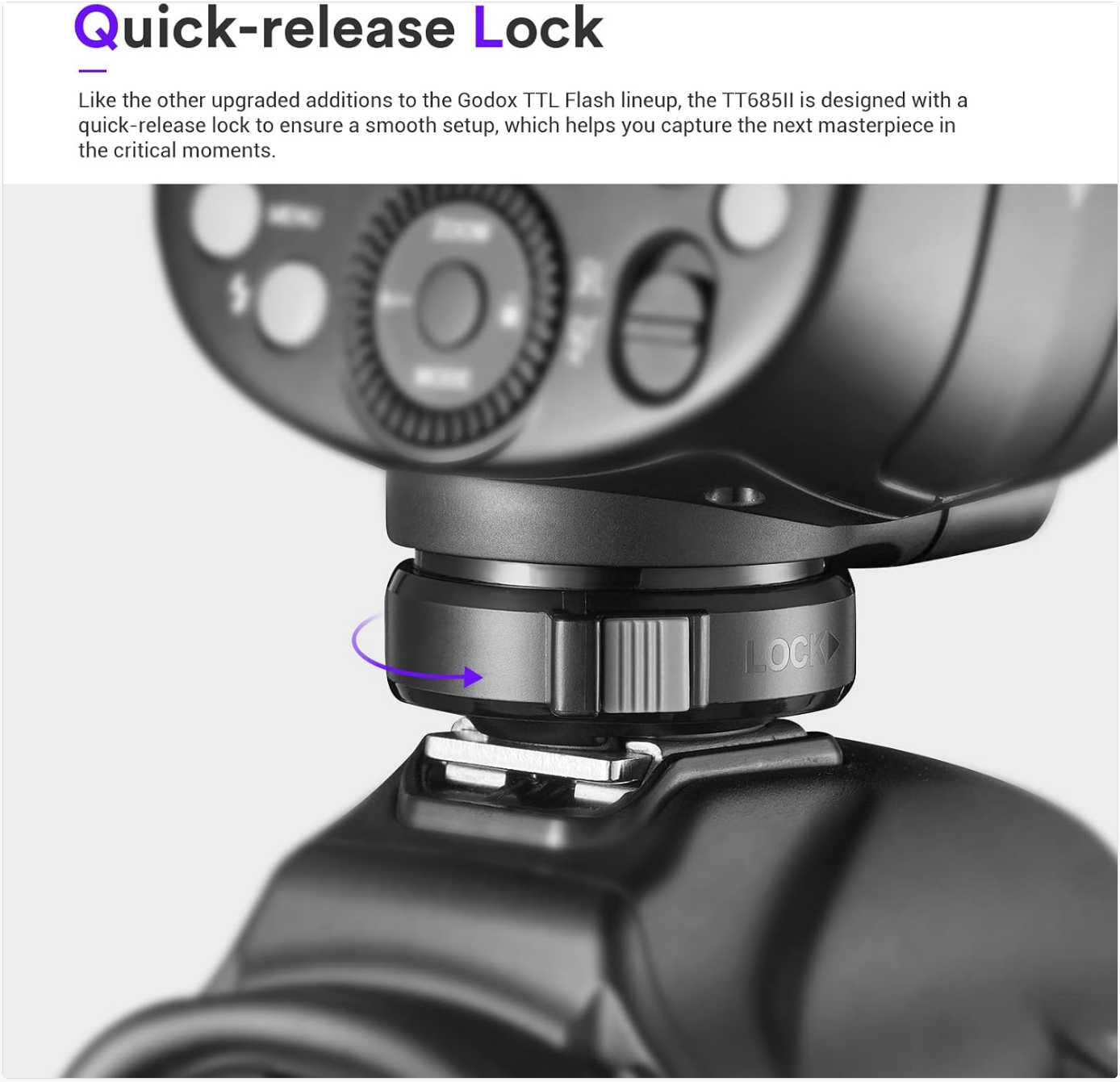


Image: Detail of the quick-release lock mechanism on the flash unit's hot shoe mount.

5.3 Powering On/Off

Press the ON/OFF button to power the flash unit on or off. The LCD screen will illuminate when the unit is powered on.

6. Operating Instructions

6.1 Flash Modes

The TT685II-C supports various flash modes to suit different shooting scenarios:

- **TTL Autoflash Mode:** Automatically sets the flash output for correct exposure. Features include FEC (Flash Exposure Compensation), FEB (Flash Exposure Bracketing), and Rear-curtain Sync.
- **Manual Flash Mode:** Allows manual adjustment of flash power from 1/1 (full power) to 1/128, with 22 fine-tuning steps.
- **Multi Flash Mode:** Fires a series of rapid flashes to capture multiple movements of a subject in a single image.
- **High-Speed Sync (HSS):** Enables flash synchronization at shutter speeds up to 1/8000s, useful for freezing fast

motion or using wide apertures in bright conditions.



Image: A composite image demonstrating the creative possibilities with different flash modes, including freezing motion and capturing multiple exposures.

6.2 TCM Function (TTL Converted to Manual)

The TCM function allows for instant conversion of TTL exposure values to manual power settings. This helps in locking in a precise exposure value and maintaining consistent lighting across multiple shots.

TCM Instant Conversion

The TT685II is added with the TCM function to enhance your shooting efficiency. TCM allows for instant conversion from TTL to manual mode. At the sme time, this function helps you lock the proper exposure valuse ensuring every fire with an accurate expression of light.



Image: A close-up of the flash's LCD screen highlighting the TCM button for instant TTL to Manual conversion.

6.3 Bounce Angle Adjustment

The flash head offers a broader tilt angle from -7° to 120° vertically and is rotatable 330° horizontally. This flexibility allows for effective bounce flash, directing light off ceilings or walls for softer, more natural illumination.

Broader Bounce Angle

The TT685II is upgraded with a broader tilt angle from-7° to 120°, and rotatable in 330°. It gives you more flexible bounce flash angles and a much more efficient lighting setup process. By a twist of the light head, then you can get a nice bounce light you desired either on-camera or off-camera.

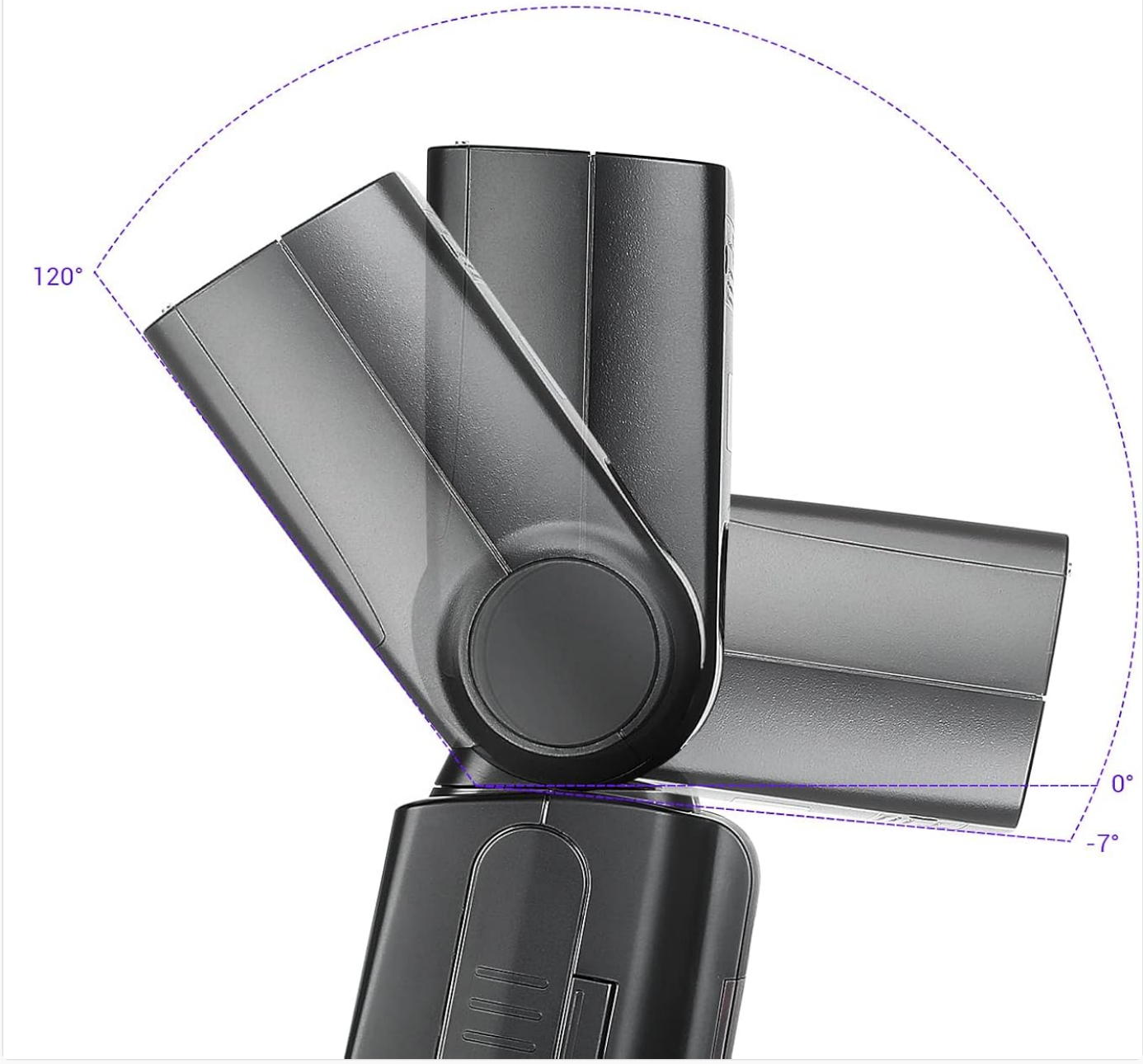


Image: A diagram showing the flash head's adjustable angles, from -7° to 120° vertically and 330° horizontally.

6.4 Godox 2.4G Wireless X System

The TT685II-C has a built-in 2.4G wireless X system, allowing it to function as both a transmitter and receiver. This enables seamless connectivity with other Godox flashes and triggers (e.g., Xpro, X2T, X3) within a range of up to 100 meters, offering flexible off-camera lighting setups.

Godox 2.4 Wireless X System

The TT685II is also built-in with Godox 2.4G wireless X system to obtain seamless connectivity with compatible flashes or flash triggers. The wide selection of groups and channels ensures a reliable shooting process without any interference. The wireless X system also gives you the utmost freedon for lighting setup with a range fo connections up to 100 meters.



Image: The Godox TT685II-C flash mounted on a camera, with a Godox XPro trigger also attached, demonstrating wireless system integration.



Image: A visual representation of the TT685II-C's role as both a transmitter and receiver within the Godox 2.4G wireless system, showing compatibility with various Godox flashes and triggers like X1, X2, XPro, V1, AD200Pro, and AD300Pro.

6.5 External Power Pack Compatibility

The flash unit is equipped with an external charging interface, compatible with the Godox PB960 external power pack (sold separately). Using an external power pack significantly improves flash output, reduces recycle time, and extends battery life, which is beneficial for demanding shooting situations like weddings or events.



Image: The Godox TT685II-C flash unit shown connected to an optional PB960 external power pack.

7. Maintenance

- Clean the flash unit regularly with a soft, dry cloth. Avoid using solvents or harsh chemicals.
- Store the flash in a dry, dust-free environment when not in use.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Avoid strong impacts or dropping the unit.
- Keep the hot shoe contacts clean to ensure proper communication with the camera.

8. Troubleshooting

- **Flash not firing:** Check battery levels, ensure the flash is securely mounted, and verify camera flash settings.
- **Incorrect exposure:** Adjust FEC (Flash Exposure Compensation) in TTL mode or manually adjust power output in Manual mode. Check for proper bounce angle if used.
- **Wireless connection issues:** Ensure both flash and trigger are on the same channel and group. Check for obstructions or excessive distance.
- **Slow recycle time:** Replace batteries with fresh ones or consider using an external power pack.

9. Specifications

Feature	Specification
Model	TT685II-C
Guide Number (GN)	60 (m ISO 100)
Flash Coverage	20 to 200mm (Auto/Manual Zoom)
Compatible Cameras	Canon EOS Cameras
Flash Modes	TTL, Manual, Multi
High-Speed Sync (HSS)	Up to 1/8000s

Feature	Specification
Flash Exposure Compensation (FEC)	Manual, ±3 stops in 1/3 stop increments
Flash Exposure Bracketing (FEB)	Yes
Rear-Curtain Sync	Yes
TCM Function	Yes (TTL to Manual Conversion)
Wireless Flash	Godox 2.4G Wireless X System (Master/Slave)
Wireless Transmission Range	Approx. 100 meters
Power Source	4x AA batteries
External Power Port	Yes (for Godox PB960)
Dimensions (L x W x H)	6.4 x 7.6 x 19 cm
Weight	581 grams (without batteries)

10. Warranty and Support

Godox products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Godox website. For technical support, service, or inquiries, please contact your local dealer or Godox customer service.
Please retain your proof of purchase for warranty claims.

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