

GODOX TT520 II

GODOX TT520 II Universal Hot Shoe Flash Speedlite

User Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your GODOX TT520 II Universal Hot Shoe Flash Speedlite. Designed for DSLR cameras including Canon, Nikon, Pentax, and Olympus, this speedlite offers versatile lighting solutions for various photographic needs. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Flash Duration:** 1/300-1/20000s, ensuring crisp and vivid images.
- **Flash Modes:** Features M (Manual), S1 (Optical Slave Mode 1), and S2 (Optical Slave Mode 2) for enhanced versatility.
- **Variable Flash Output:** 8 levels of output from 1/128 to full power, allowing precise light control.
- **Integrated Reflection Board:** Designed to create a highlighted catchlight in the subject's eyes.
- **Built-in Wide-Angle Diffuser:** Provides soft, smooth, and natural illumination.

2.2 Components and Controls



Figure 1: GODOX TT520 II Flash Speedlite, wireless trigger, and mini stand.



Figure 2: Detailed view of the flash control panel, showing mode, power, and test buttons.



Figure 3: Open battery compartment of the flash unit, showing slots for four AA batteries.



Figure 4: The GODOX TT520 II flash unit securely mounted on a Canon DSLR camera's hot shoe.

The GODOX TT520 II comes with the main flash unit, a wireless trigger, and a mini stand. The control panel allows for easy adjustment of flash settings. The battery compartment is located on the side of the unit.

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the side of the flash unit (refer to Figure 3).
2. Open the battery compartment cover.
3. Insert four (4) AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

Note: Always use fresh, high-quality AA batteries for optimal performance and recycle used batteries responsibly.

3.2 Mounting on Camera

1. Ensure both the camera and the flash unit are powered off.
2. Slide the flash's hot shoe mount into your camera's hot shoe slot (refer to Figure 4).
3. Tighten the locking ring on the flash unit to secure it firmly to the camera.

3.3 Wireless Trigger Setup (Optional)

The included wireless trigger allows for off-camera flash operation. Simply mount the trigger onto your camera's hot shoe and place the flash unit in a desired location. Ensure the flash is set to an optical slave mode (S1 or S2) for the trigger to function.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the flash, slide the "ON/OFF" switch to the "ON" position. To power off, slide it to the "OFF" position.

4.2 Flash Modes

Press the "MODE" button to cycle through the available flash modes:

- **M (Manual Mode):** In this mode, you manually set the flash output power. This provides full control over the flash intensity.
- **S1 (Optical Slave Mode 1):** The flash will fire in response to the first flash from a master flash. This is ideal for cameras that do not pre-flash.
- **S2 (Optical Slave Mode 2):** The flash will ignore the first pre-flash from a master flash and fire on the second flash. This is suitable for cameras that use a pre-flash for red-eye reduction or TTL metering.

4.3 Adjusting Flash Output

In Manual (M) mode, use the "+" and "-" buttons to adjust the flash output power. The power can be set from 1/128 (lowest) to full power (1/1). The current power level is indicated on the control panel.

4.4 Test Flash

Press the "TEST" button to fire a test flash. This allows you to check the flash output and coverage before taking a photo.

4.5 Using the Reflection Board and Diffuser

The flash head includes a pull-out reflection board and a wide-angle diffuser. Pull out the reflection board to create a catchlight in your subject's eyes. Pull out the wide-angle diffuser to soften the light and achieve broader coverage, especially useful for wide-angle lenses.

4.6 Flash Sync Speed

The GODOX TT520 II supports a maximum flash sync speed of 1/250s. Ensure your camera's shutter speed is set to 1/250s or slower when using the flash to avoid partial exposures.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use strong detergents or solvents.
- **Battery Care:** Remove batteries if the flash will not be used for an extended period to prevent leakage and damage.
- **Storage:** Store the flash in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the flash or subjecting it to strong impacts, as this can damage internal components.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flash does not fire.	<ul style="list-style-type: none"> Batteries are dead or incorrectly inserted. Flash is not powered on. Flash is not securely mounted on the hot shoe. Camera settings are incorrect. 	<ul style="list-style-type: none"> Replace batteries or ensure correct polarity. Slide the ON/OFF switch to "ON". Re-mount the flash and tighten the locking ring. Check camera's flash settings and ensure it's set to fire an external flash.
Flash fires but images are too dark/bright.	<ul style="list-style-type: none"> Incorrect flash output setting. Incorrect camera exposure settings (ISO, aperture, shutter speed). 	<ul style="list-style-type: none"> Adjust flash output power using the "+" and "-" buttons. Adjust camera's ISO, aperture, or shutter speed to achieve desired exposure.
Flash does not sync with camera (partial image).	<ul style="list-style-type: none"> Camera shutter speed is too fast. 	<ul style="list-style-type: none"> Set camera shutter speed to 1/250s or slower.
Flash not compatible with my camera (e.g., Canon EOS 4000D, Canon 60D).	<ul style="list-style-type: none"> The TT520 II is a manual flash and does not support TTL or advanced camera-specific communication. Some camera models may have specific hot shoe configurations or require manual settings. 	<ul style="list-style-type: none"> Ensure camera is set to manual flash mode or a mode that allows external flash firing. All flash settings (power, mode) must be adjusted manually on the flash unit itself. For off-camera use, utilize the S1/S2 optical slave modes with the wireless trigger.

7. SPECIFICATIONS

Feature	Detail
Model	TT520 II
Brand	GODOX
Product Dimensions	2.99 x 6.14 x 4.88 inches
Item Weight	14.1 ounces
Batteries Required	4 AA batteries
Compatible Mountings	Universal Hot Shoe (Canon, Nikon, Pentax, Olympus compatible)
Camera Flash Type	Hotshoe
Flash Sync Speed	1/250s
Included Components	TT520II FLASH*1

Date First Available

June 3, 2013

8. 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.

GODOX Official Website: www.godox.com

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Product specifications are subject to change without notice.