

Godox

THINKLITE

Camera Flash

TT520 II / TT560 II

INSTRUCTION MANUAL

FOREWORD

Thank you for purchasing GODOX product. Before use, please read this user manual carefully in order to ensure your safety. Keep it properly for reference in future.

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WARNING

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Always keep this product dry. Do not use in rain or in damp conditions.

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Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.

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Keep out of reach of children.

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Stop using this product if it breaks open due to extrusion, falling or strong hit. Otherwise, electric shock may occur if you touch the electronic parts inside it.

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Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise visual impairment may occur.

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Do not use the flash unit in the presence of flammable gases, chemicals and other similar materials. In certain circumstance, these materials may be sensitive to the strong light emitting from this flash unit and fire or electromagnetic interference may result.

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Do not leave or store the flash unit if the ambient temperature reads over 50°C. Otherwise the electronic parts may be damaged.

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Turn off the flash unit immediately in the event of malfunction.

I NOMENCLATURE

II INSTALLATION

1. Battery Installation

Open the battery cover

Insert batteries

Close the battery cover

Slide the battery cover along the arrow direction and then open it by thumb.

Install the batteries according to the direction indicated by the sticker in the battery holder and make sure the + and - battery contact are correctly inserted at the battery compartment.

Slide the battery cover along the arrow direction and slide it back in place. The battery cover will be locked when there is a "click" sound.

2. Mounting the flash on the camera

Twist the lock ring anti-clockwise to loosen it to the highest point. Slide the mounting foot of the flash into the hotshoe of camera.

Twist the lock ring clockwise to tighten it.

To remove the flash, loosen the fixed knob and slide it out of the hotshoe of camera.

III USING THE FLASH

1. Power management

After use, press the ON/OFF to OFF to power off.

- Switch to the ON, the flash will start charging (the charging indicator is dim).After several seconds, the charging indicator turns red and TT520 II /TT560 II is ready to shoot.
- For a test flash,press the tes tbutton. After use, press the ON/OFF to OFF to power off.
- If the red charging indicator lamp flickers in every 1s, it indicates low battery. In such case, the power will turn off automatically and you need to replace the batteries.

2. Power Control

- The flash unit has 8 steps of power output control which indicated by 8 pieces of LED lamp for different level.
- Press "+" to make power higher and they are 1/128 1/64 1/32 1/16, 1/8 1/4 1/2 1/1. Otherwise, press "-" otmake power lower.

3.M Mode

Press the MODE key to M Mode. In this mode ,you can set TT520 II /TT560 II onto your camera hotshoe or speedlite trigger hotshoe to trigger the flash unit. When shooting, adjust the flash power and press the camera shutter, the flash light will flash under the camera synchronous signal.

4.S1 Mode

- Press the MODE key to S1 Mode. The mode is applicable for slave flash in order to create many lighting effects. It is respectively applicable for manual flash environment.
- When the flash is S1 mode, it will fire synchronously when the master flash fires, comparable with the effect by the use of radio trigger.

5.S2 Mode

Press the MODE key to S2 Mode. The mode is applicable for slave flash in order to create many lighting effects.The flash unit won' t flashsynchro-nously with the first flash but the second flash from the master flash, which is the second flash synchronization.

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Attention:

- Take care of the hot battery when changing them after continuous flashes.
- Take out the battery when idle in case the battery leakage damages the flash unit.

6.Wireless Triggering Function

- As TT520 II/TT560 II has built-in wireless signal, please use RT transmitter as the transmitter end.
- Long press MODE button for 2 seconds to control the ON/OFF of wireless triggering function. When the wireless indicator lighted, wireless triggering function is ON; when the wireless indicator put out, wireless triggering function is OFF. To save power, turn off wireless triggering function when in idle use.

7.Sync Trigger Function

- The speedlite and camera will trigger synchronously by using a PC sync cord to connect the sync terminals of the camera and the speedlite together.

8.Power-saving Function

- To save battery power, the flash will enter stand-by state in about 30 minutes of idle use. Press any button to wake it up.

- In S1/S2 mode, the flash will enter stand-by state in about 60 minutes of idle use. Press any button to wake it up.
- In power-saving mode, the charging indicator flickers in every 3 seconds. Other indicators are turned off.

9.Protection Function

● Protection in continuous flashes

To prevent the flash head from getting too hot and damage, please do not flash over 20 times when in power level 1/2 1/1. Please cool down the flash unit for at least 10 minutes. The over-temperature protection function will be activated if you continue to flash after 20 times. In this state the charging time will turn to 10-25s. Please cool down the flash unit around 10 minutes and it will turn to normal state.

Number of flashes that will activate over-temperature protection:

Power Level	Number
1/1	20
1/2	33
1/4	50
1/8	66
1/16,1/32	100
1/64,1/128	200

● Systematic over-temperature protection

When the inner circuit is over-heating, which indicates over use of the flash unit, the inner circuit will shut down power automatically. The flash unit will turn to normal state after the inner circuit is cooled down.

IV ADVANCED APPLICATION

1.Bounce Lighting

Bounce flash means to take photos by bouncing the light off wall or ceiling to soften the light on the subject, and the shadow shade out, to get more desired picture.

2.Use Reflection Board to Take Photos

Pull out the reflection board and built-in wide panel from the flash head at the same time and then push the built-in wide panel back. In such case, if this product is being used to take photos, it will produce a highlighted point on the eyes of the subject and thus make the eyes charming (catch lights). This function can reach optimal effect when the flash head is up 90°.

3. Use Wide-angle Diffuser

Pull out the built-in wide panel to enlarge flash lighting range, so as to get more softened and natural lighting effect.

V SPECIFICATIONS

Model	TT520 II	TT560 II
Guide numbe r	33 (m ISO 100)	38 (m ISO 100)
Flash mode	M,S1,S2	
Vertical rotation angle	0~90 degrees	
Horizontal rotation angle	0~270 degrees	
Power	4xAAAs icebatteries(Alkaline or Ni-MH are usable)	
Lighting times	100-1500 times (AA alkaline batteries used)	
Recycle time	approx 0.1-5s(AA alkaline batteries used)	
Color temperature	5600K±200K	
Wireless frequency	433MHz	
Channel	16	
Workable distance	15m	
Flash duration	1/300s~1/20000s	
Dimensions	190*75*55mm	
Net weight	310g	

Accessories :			
Flash light	(1)	Protecting bag	(1)
User manual...	(1)	RT transmitter	(1)
		Mini stand	(1)

Warranty

Dear customers, as this warranty card is an important certificate to apply for our maintenance service, please fill in the following form in coordination with the seller and safe-keep it. Thank you!

Product Information	Model	Product Code Number
Customer Information	Name	Contact Number
	Address	
Seller Information	Name	
	Contact Number	
	Address	
	Date of Sale	
	Note:	

Note: This form shall be sealed by the seller.

Applicable Products

The document applies to the products listed on the Product Maintenance Information (see below for further information). Other products or accessories (e.g. promotional items,giveaways and additional accessories attached,etc.) are not included in this warranty scope.

Warranty Period

The warranty period of products and accessories is implemented according to the relevant Product Maintenance Information. The warranty period is calculated from the day(purchase date) when the product is bought for the first time, And the purchase date is considered as the date registered on the warranty card when buying the product.

How to Get the Maintenance Service

If maintenance service is needed, you can directly contact the product distributor or authorized service institutions. You can also contact the Godox after-sale service call and we will offer you service. When applying for maintenance service, you should provide valid warranty card. If you cannot provide valid warranty card, we may offer you maintenance service once confirmed that the product or accessory is involved in the maintenance scope, but that shall not be considered as our obligation.

Inapplicable Cases

The guarantee and service offered by this document are not applicable in the following cases: ①. The product or accessory has expired its warranty period; ②. Breakage or damage caused by inappropriate usage, maintenance or preservation, such as improper packing, improper usage, improper plugging in/out external equipment, falling off or squeezing by external force, contacting or exposing to the improper temperature, solvent, acid, base, flooding and damp environments, etc; ③. Breakage or damage caused by non-authorized institution or staff in the process of installation, maintenance, alternation, addition and detachment; ④. The original identifying information of product or accessory is modified, alternated, or removed; ⑤. No valid warranty card; ⑥. Breakage or damage caused by using illegally authorized, nonstandard or non-public released software; ⑦. Breakage or damage caused by force majeure or accident; ⑧. Breakage or damage that could not be attributed to the product itself. Once met these situations above, you should seek solutions from the related responsible parties and Godox assumes no responsibility. The damage caused by parts, accessories and software that beyond the warranty period or scope is not included in our maintenance scope. The normal discoloration, abrasion and consumption are not the breakage within the maintenance scope.

Maintenance and Service Support Information
The warranty period and service types of products are implemented according to the following Product Maintenance Information:

Product Type	Name	Maintenance Period(month)	Warranty Service Type
Parts	Circuit Board	12	Customer sends the product to designated site
	Battery	3	
	Electrical parts e.g battery charger, power cord, sync cable, etc.	12	
Other Items	Flash tube, modeling lamp, lamp body, lamp cover, lockingdevice, package, etc.	No	Without warranty

Godox After-sale Service Call
0755-29609320-8062

Warning
Operating frequency:2412.99MHz ~ 2464.49MHz (only receive)
Declaration of Conformity
GODOX Photo Equipment Co.,Ltd. hereby declares that this equipment are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), this product is allowed to be used in all EU member states.For more information of DoC, Please click this web link:

https://www.godox.com/DOC/Godox_TT520II_TT560II_DOC.pdf

The device complies with RF specifications when the device used at 0mm from your body.