



## Godox MF12 Macro Flash Instruction Manual

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**Godox MF12 Macro Flash Instruction Manual**



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## Foreword

Thank you for purchasing!  
MF12 is a mini macro flash.

Functionally, MF12 is equipped with two flash modes: TTL automatic flash mode and M manual flash mode. With S1 / S2 secondary optic triggering mode, no additional command signal or external remote control, direct trigger flash, convenient. Allocated with always-on LED modeling light, it provides modeling light anywhere anytime, which can also be used as a background light, hair light, or daily lighting. In terms of structure, MF12 adopts professional optical lens design, which has stronger focusing effect and ensures even distribution of shooting light effect. Built-in rechargeable lithium battery, it is convenient for outdoor shooting and travel shooting. Menu easy to operate, compact and light-weight size ensure it can be put into pocket with great portability.

This mini flash is ideal for macro photography of animals and plants, food, jewelry, oral images and so on.

## Main Features

- Equipped with TTL automatic flash mode and M manual flash mode
- Having S1 / S2 secondary optic triggering modes
- Using a constant light LED modeling Light
- Adopted professional optical lens which offers more even lights
- Built-in 2.4G wireless X system
- Selecting the clear OLED display
- With built-in lithium battery which can be charged through Type-C port
- Max.1.7s recycle and 500 full power pops

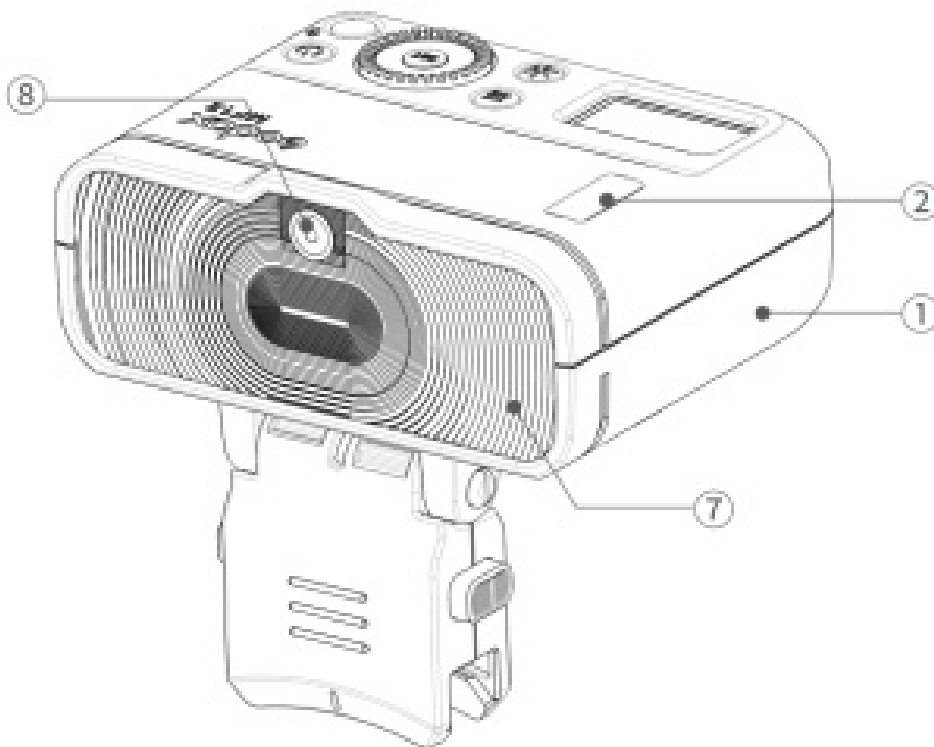
## Warning

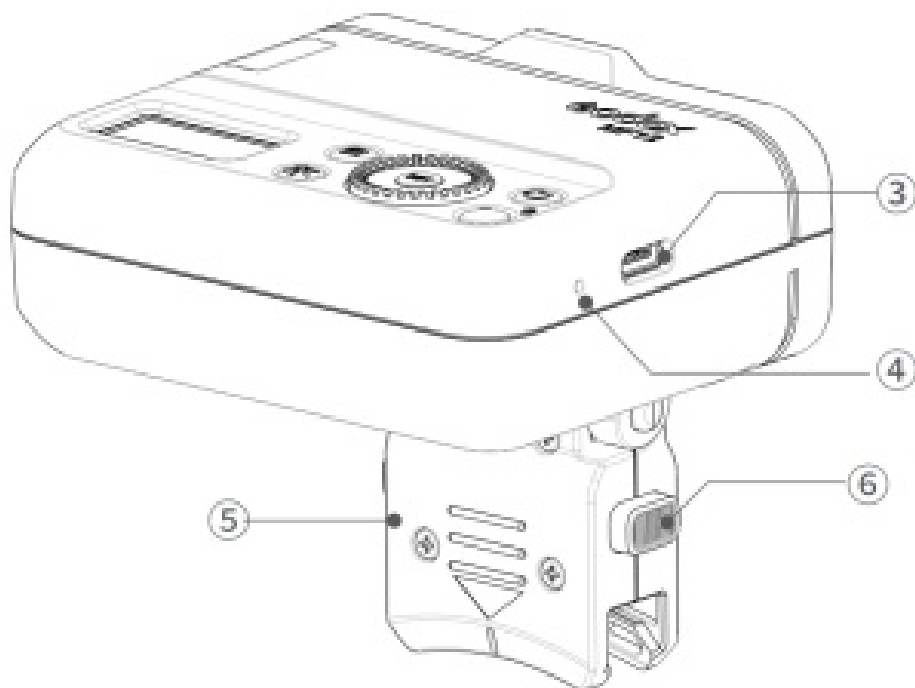
- Always keep this product dry.

- Do not disassemble. Should repairs become necessary, this product must be sent to an authorized maintenance center.
- Keep out of reach of children.
- 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.
- Do not fire the flash directly into the eyes (especially those of babies) within short distances. Otherwise visual impairment may occur.
- 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.
- Do not leave or store the flash unit if the ambient temperature reads over 50. Otherwise the electronic parts may be damaged.
- As this product do not have waterproof function, please take measures of waterproof in rainy or damp environment.
- Turn off the flash unit immediately in the event of malfunction.

## Names of Parts

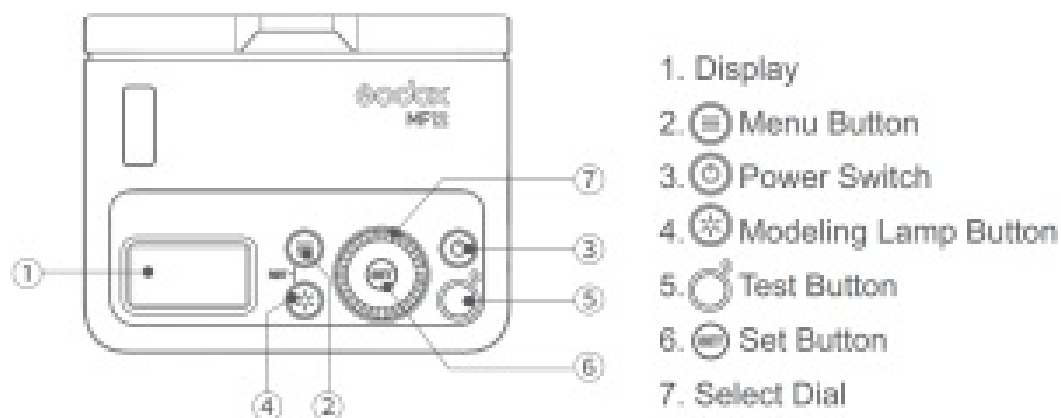
### Body





1. Light Body
2. Wireless Sensor
3. Type-C USB Port(only for charging)
4. Reset Hole
5. Angle Adjusting Bracket
6. Push Button of Bracket
7. Lens
8. Modeling Lamp

## Control Panel



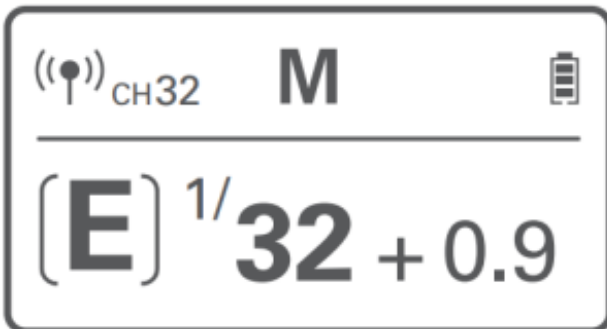
1. Display
2. Menu Button
3. Power Switch
4. Modeling Lamp Button
5. Test Button
6. Set Button
7. Select Dia

## OLED Display

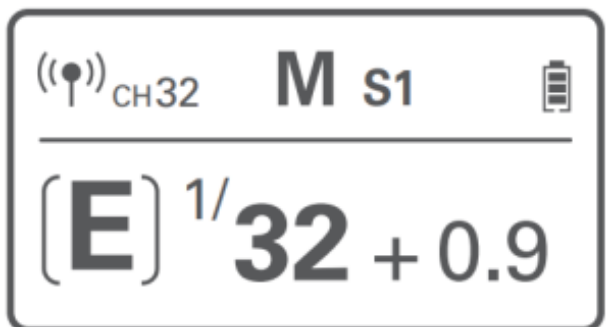
- TTL Autoflash



- M Manual Flash

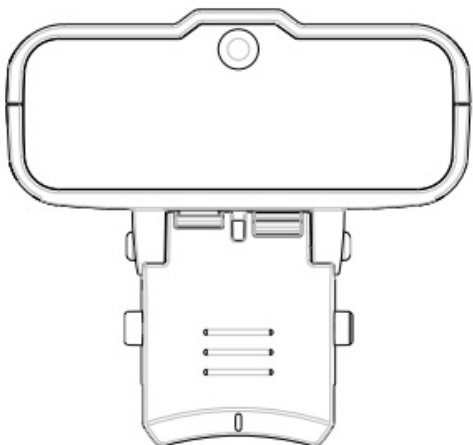


- S1/S2



## Included Item

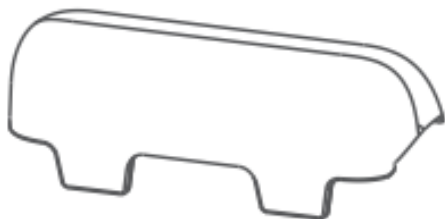
- Light Body x1



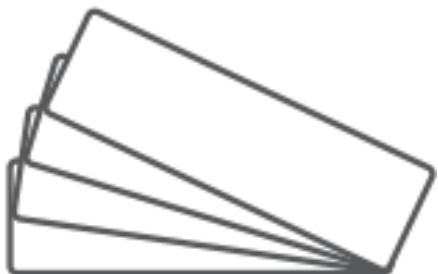
- **Type-C USB Cable x1**



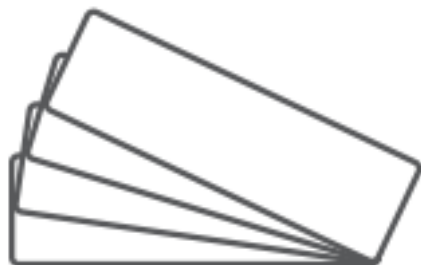
- **Extreme Close-Up Positioning Adapter x1**



- **Color Effects Set MF-11C x1**



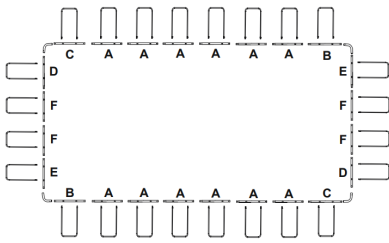
- **Color Temperature Adjustment Set MF-11T x1**



- **Color Filter Holder x1**



- **Cold Shoe x1**



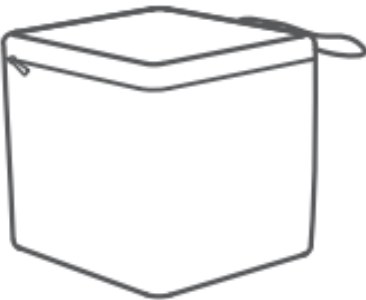
- **Flash Stand x1**



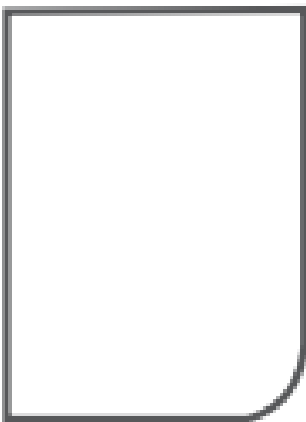
- **Color Filter Bag x1**



- **Carry Bag x1**



- **Instruction Manual x1**



**Note:** MF12 Two-light Kit is not only including above items but also including 1 unit MF-AR Adapter Ring and 8 pieces lens adaptor rings (Diameters of 49mm,52mm,55mm,58mm, 62mm,67mm,72mm, 77mm).

## Optional Accessories

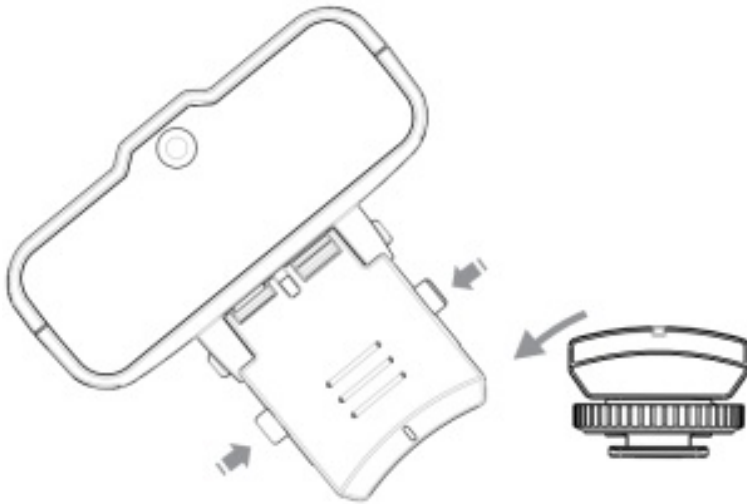
The product can be used in combination with the following optional accessories, so as to achieve best photography effects: XPro, X1 and X2 TTL flash trigger, MF-AR adapter ring, camera lens adapter rings kit (49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm), etc.



## Install Accessories

### How to Install Cold Shoe

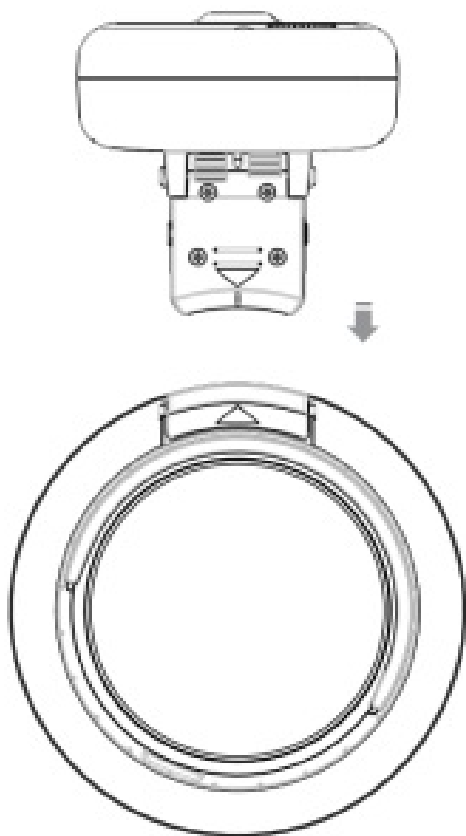
1. Press and hold down the push button of MF12's fixing bracket. Then, aim one end of the cold shoe into the end of bracket and slide it to install until a "click" can be heard.
2. Attach the cold shoe onto the hotshot of camera firstly. Then, turn the locking ring and lock them.



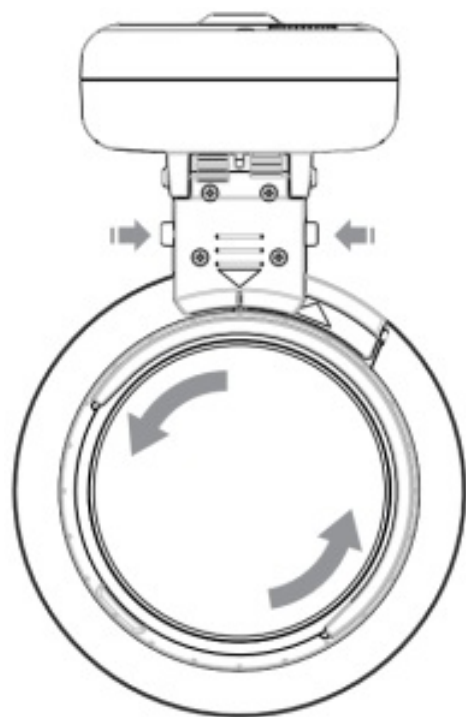
### How to Use Adapter Ring (Optional)

1. Aim the socket of MF12 into the sliding block and push it until a "click" can be heard. One adapter ring can install 6 lights at most.

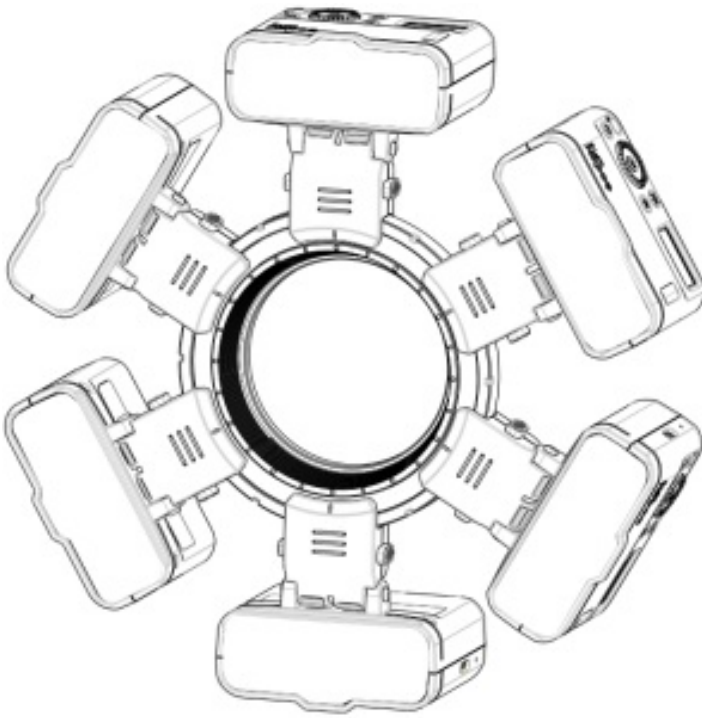




2. MF12 can be rotated leftwards or rightward by pressing the push button of bracket.




3. Choose the optional adapter ring(8 different diameters of 49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm, etc.) whose size is suitable for the neck strap of camera lens. Install the camera's adapter ring onto the MF-AR adapter ring.
4. Attach the adapter ring onto the camera lens.



## Battery

1. This adopts Li-ion battery which is non-detachable.
2. It is reliably safe. The inner circuit is against overcharge, overdischarge, overcurrent, and short circuit.
3. Take only approx. 55 minutes (within 1 hour) to fully charge the battery by using the 5V/2A charger

## Battery Level Indicator

Battery Level Indication	Meaning
3 grids	Full
2 grids	Middle
1 grid	Low
Blank grid	Low battery, please recharge it.
 is displayed	The battery level is going to be used out immediately. And the flash will auto power off in 10 seconds. Note: please recharge the battery as soon as possible (within 10 days). Then, the battery can be used or be placed for long period.

## Power Management

Please turn off the power if not used for a long time.

## Auto Power off Mode Setting



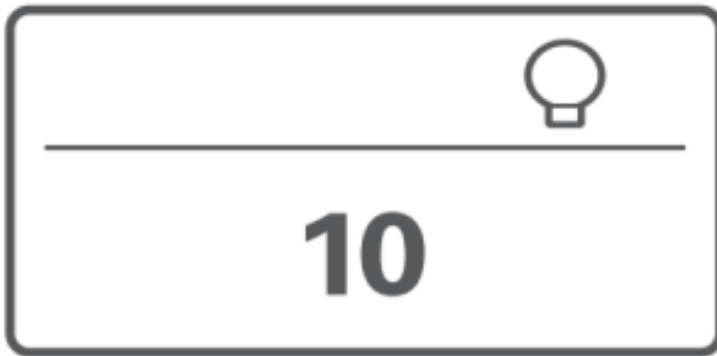
Press the menu button, turn the Dial to select STBY, press the SET button, and then turn the Dial to select 30min/60min/90min/OFF. After setting the auto power off mode, the flash will automatically shut down when unattended operation for a long time (more than 30/60/90 minutes). When it is automatically shut down, please press the power on button to restart it, the boot animation appears, turn the Dial to operate.


When using off the camera, it is recommended to turn off the “auto power off” mode through C.Fn-STBY of custom setting functions.

## Modeling Lamp

### 1. Modeling lamp power ON/OFF:

1. Short press the <  > button to control the on/off of LED modeling lamp.



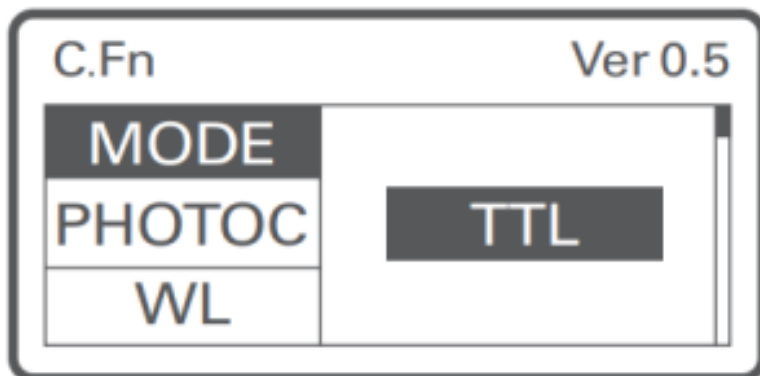
2. Long press the <  > button to enter the modeling lamp interface and then short press SET button to on/off modeling lamp

### 2. Modeling lamp setting: long press the < > button to enter modeling lamp interface

1. Brightness setting: turn the select dial to setting the brightness value from 1 to 10 levels


## Flash Mode Selection

MF12 flash has two modes: TTL autoflash and M manual flash. In TTL mode, the camera and the flash will work together to calculate the correct exposure for the subject and the background.




The main subject is correctly exposed regardless of background brightness. This is useful when you want to highlight the main subject or make exposure compensation. In Manual flash photography, you select the aperture and flash output level. In this way, you can control the exposure and flash shooting distance when shooting subjects where the correct exposure is difficult to obtain in the TTL auto flash mode.



Short press the <  > menu button and turn the select dial to choose MODE. Then, short press the SET button and turn the select dial to choose TTL or M mode. Then, short press the SET button to exit from Mode Selection.


### TTL Autoflash Mode

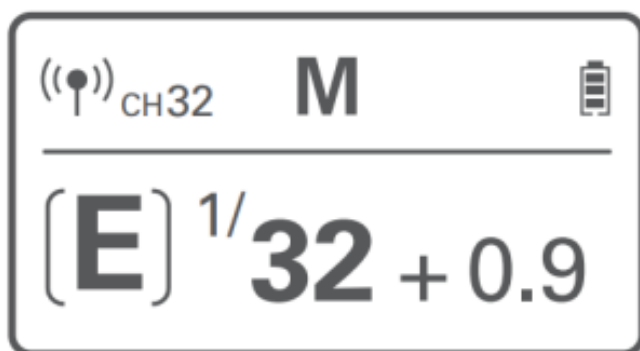
Choose TTL mode and press the <  > menu button to back to the interface and the flash will enter TTL auto flash mode.

### M Manual Flash Mode

The flash output is adjustable from 1/128 to 1/1 full power in 0.1 and 1 step increment.

- The flash output is adjustable from 1/128 to 1/1 full power in 0.1 and 1 step increment.


1. Choose M and press the <  > menu button to back to the main interface.



2. In M mode's main interface, turn the select dial to set the flash output value.

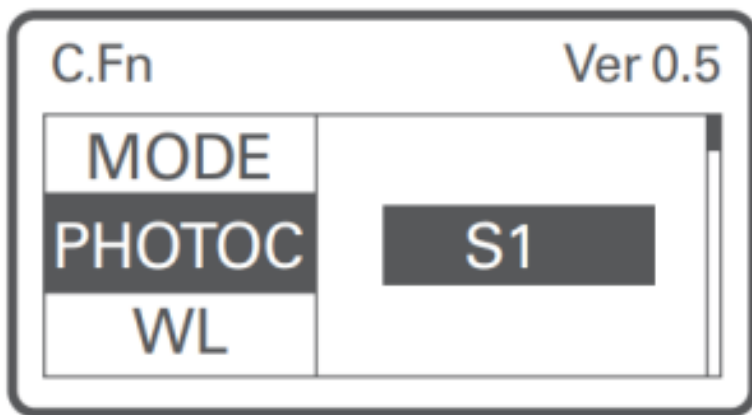
To obtain a correct flash exposure, use a hand-held flash meter to determine the required flash output

### Light Control Flash (PHOTOC)

In M manual mode, press the <  > menu button to enter C.Fn and turn the select dial to choose PHOTOC. Then, press the SET button and turn the select dial to choose S1 or S2 function.

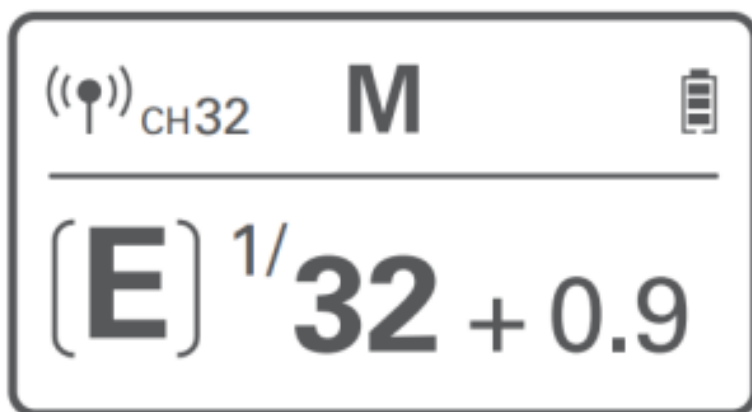
- S1 Secondary Optic Triggering

Choose S1 light control synchronous flash, flash MF12 can be used as auxiliary Light, create a variety of lighting effects, suitable for manual flash environment. It will trigger the flash synchronously with the first flash of the main flash. The effect is the same as using the wireless flash guide, and the response is sensitive.



- S2 Secondary Optic Triggering with Anti-preflash

Select S2 light control to prevent pre flash, flash MF12 can be used as auxiliary light, suitable for TTL automatic flash shooting environment. With high-energy anti pre flash function, when using the camera with a pre flash function, S2 light control pre flash function is used to achieve synchronous shooting. At the same time, it will trigger the flash synchronously with the second flash of the main flash with TTL function, that is, the second light control flash.




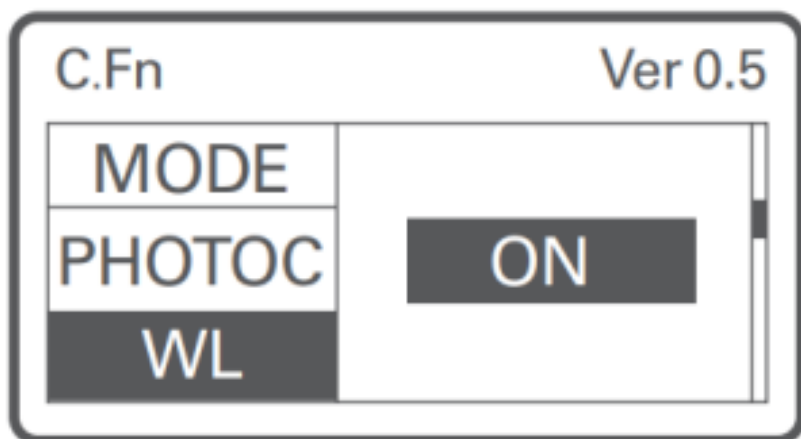
⚠ MF12 flash only supports S1/S2 light control flash in M manual flash mode

## Wireless Radio Transmission


With built-in Godox 2.4G wireless X system, this MF12 can be used in combination with Godox X1, XPro and X2 trigger. As a auxiliary unit, MF12 can be compatible with Canon, Nikon ,Sony, Panasonic, Olympus/Fuji system and switched automatically. Nikon camera (using X1T-N), Canon camera (using X1T-C) and Sony camera (using X1T-S) can share one or more MF12's TTL functions

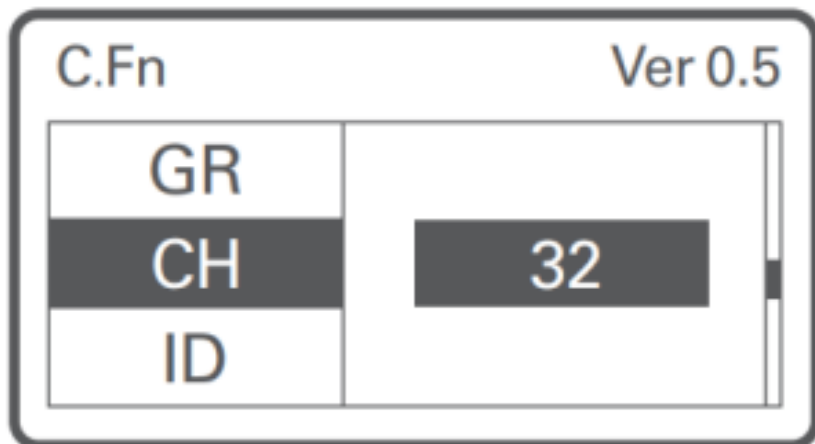
## Wireless (WL) Setting

Press the  menu button to enter C.Fn custom setting. Turn the select dial to choose wireless WL, press the SET button, and turn the select dial to choose ON or OFF. OFF means the wireless function is turned off while ON means turned on.



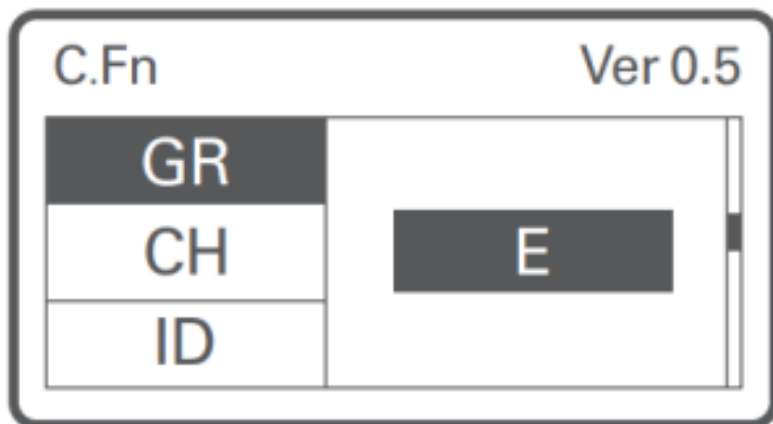
### Channel (CH) Setting

If there are other wireless flash systems nearby, you can change the channels to prevent signal interference. The channel (CH) of the transmitter unit and the receiver unit(s) must be set to the same. Press the <  > menu button to enter C.Fn menu. Turn the select dial to choose CH. Press the SET button and turn the select dial to choose channel from 01- 32. Then, short press the SET button to exit from CH setting.



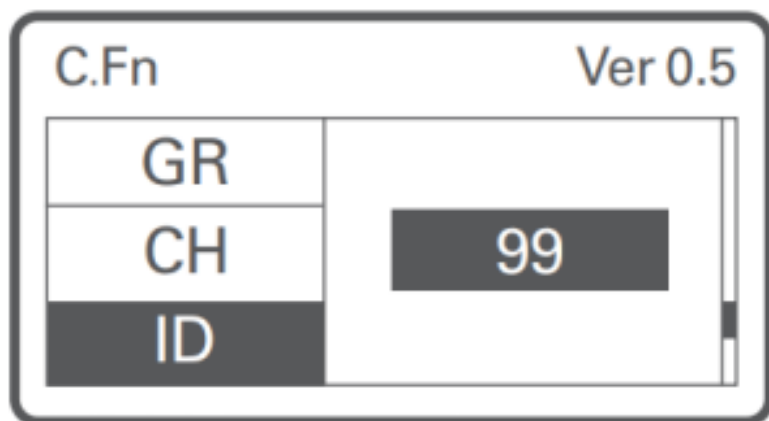
### Group (GR) Setting

Enter C.Fn menu and turn the select dial to choose GR. Press the SET button and turn the select dial to choose group from A/B/C/D/E. Then, short press the SET button to exit from GR setting.



### ID Setting

Enter C.Fn menu and turn the select dial to choose ID. Press the SET button and turn the select dial to choose ID from OFF and 01 to 99. Then, short press the SET button to exit from ID setting.





**Note:** this can only be used when the main unit has this function.

### **The Reason & Solution of Not Triggering in Godox 2.4G Wireless**

1. Disturbed by the 2.4G signal in outer environment (e.g. wireless base station, 2.4G wifi router, Bluetooth, etc.)
  - To adjust the channel CH setting on the flash trigger (add 10+ channels) and use the channel which is not disturbed. Or turn off the other 2.4G equipment in working.
2. **Please make sure that whether the flash has finished its recycle or caught up with the continuous shooting speed or not(the flash ready indicator is lighten) and the flash is not under the state of over-heat protection or other abnormal situation.**
  - Please downgrade the flash power output. If the flash is in TTL mode, please try to change it to M mode(a preflash is needed in TTL mode).
3. **Whether the distance between the flash trigger and the flash is too close or not**
  - lease turn on the “close distance wireless mode” on the flash trigger (<0.5m):
  - X1 series: Press and hold the flash button, then turn on the machine until the indicator light flashes twice.
  - X2, Xpro series: Set C.Fn-DIST to 0-30m.
4. **Whether the flash trigger and the receiver end equipment are in the low battery states or not**
  - Please replace the battery(the flash trigger is recommended to use 1.5V disposable alkaline battery).

### **C.Fn: Setting Custom Functions**

1. Press the <  > button to enter C.Fn and turn the select dial to choose the custom setting functions.
2. Press the SET button and turn the select dial to set the parameters.
3. After finishing all the settings, press the SET button to confirm and press the <  > button to exit.

Custom Function Signs	Functions	Settings	Settings & Descriptions
MODE	Flash mode	M	Manual flash
		TTL	Auto flash
PHOTOC	S1/S2 Light controlled flash	OFF	Off
		S1	S1 Secondary Optic Triggering
		S2	S2 Secondary Optic Triggering with Anti-preflash
WL	Wireless setting	ON	Wireless on
		OFF	Wireless off
GR	Group setting	A/B/C/D/E	Choose any letters from A/B/C/D/E
CH	Channel setting	1~32	Choose any figure from 1 to 32
ID	ID setting	OFF/01~99	Choose any figure from 01 to 99 or OFF
STBY	Auto power off	OFF	Off
		30min	The flash will automatically shut down when unattended operation for a long time (more than 30/60/90 minutes).
		60min	
		90m	



## Forced Shutdown Function

When the light's system crashes or cannot be operated, insert a needle into the reset hole to forced shutdown the device.

## Over-Temperature Protection

When the continuous flashes fires up to 50 times in fast succession at 1/1 full power, an Over Temperature Protection symbol appears on the display to remind the user that the flash unit is overheated. It is recommended to temporarily stop the macro flash.

## Reset Function

Long press  menu button and  modeling lamp button at the same time to realize the function of settings reset function.

## Technical Data



- **Model:** MF12
- **Built-in Lithium Battery:** 3.7V/1700mAh
- **Guide No. (1/1 output):** GN=16.1 ( $\pm 0.1$ )
- **Flash Power:** 12W
- **Output Level:** 8 levels: 1/128~1/1
- **Brightness of LED Modeling Lamp:** 1~10 Levels
- **Display:** OLED Display
- **Optical Flash:** S1 Secondary Optic Triggering S2 Secondary Optic Triggering with Anti-preflash
- **Flash Mode:** TTLAutoflash, M manual flash
- **Flash Duration:** 1/1200s~1/34000s
- **2.4G Wireless Transmission:** ON/OFF
- **Channel:** 32 channel: 1~32
- **Group:** 5 group: A/B/C/D/E
- **ID:** OFF/01~99
- **Transmission Distance:** 30m
- **Type-C Power Charging:** 5V 2A
- **Full Power Flashes:** Approx. 500
- **Recycle Time:** Approx. 0.01~1.7s
- **Battery Level Indication:** Battery level indicator shows on the upper right corner of the display
- **Power Saving:**  
30min/60min/90min It will automatically power off when unattended operation over 30min/60min/90minutes.  
**OFF:** Turn off auto power off mode,energy-saving performance is invalid.
- **2.4G Wireless Frequency Range:** 2413.0MHz-2464.5MHz
- **Dimension:**
- **Size:** 2413.0MHz-2464.5MHz
- **Net Weight:**  $\approx 144$ g

## Maintenance

- Shut down the device immediately should abnormal operation be detected.
- Avoid sudden impacts and the product should be dedusted regularly.
- It is normal for the light beads to be warm when in use. Avoid continuous flashes if unnecessary.
- Maintenance of the light must be performed by our authorized maintenance department which can provide original accessories.
- This product, except consumables, is supported with a one-year warranty. Lithium battery is supported with six months warranty.
- Unauthorized service will void the warranty.
- If the product had failures or was wetted, do not use it until it is repaired by professionals.
- Changes made to the specifications or designs may not be reflected in this manual.

## FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including

interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The light source contained in this luminary shall only be replaced by the manufacturer or his service agent or a similar qualified person.

The lamp shall be changed if it has become damaged or thermally deformed.

The luminary is intended for professional use only.

## **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!**

<b>Product Information</b>	<b>Model:</b>	<b>Product Code Number:</b>
<b>Customer Information</b>	<b>Name:</b>	<b>Contact Number:</b>
	<b>Address:</b>	
<b>Seller Information</b>	<b>Name:</b>	
	<b>Contact Number:</b>	
	<b>Address:</b>	
	<b>Date of Sale:</b>	
<b>Note:</b>		

### 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 it self.** 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, locking device, package, etc.	No	Without warranty

## Customer Support

**GODOX Photo Equipment Co., Ltd.**

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**Tel:** +86-755-29609320(8062)  
**Fax:** +86-755-25723423  
**E-mail:** [godox@godox.com](mailto:godox@godox.com)



RoHS



## Documents / Resources

	<a href="#">Godox MF12 Macro Flash</a> [pdf] Instruction Manual MF12, Macro Flash
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