

Godox 神牛

MACRO RINGFLASH

ML-150



深圳市神牛摄影器材有限公司

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Made In China



INSTRUCTION MANUAL

说明手册

Chinese English Bilingual | 中英文双语

在使用本产品之前, 请先仔细阅读本手册, 以确保您能安全使用。请保存好本手册以备将来查询参考。

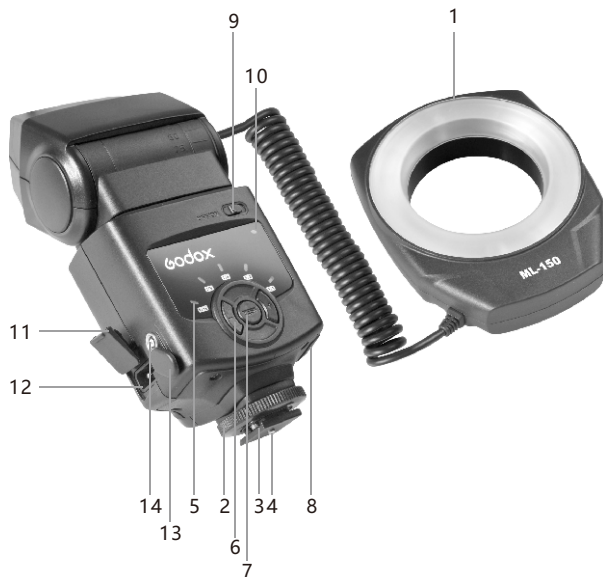
前言

感谢您购买此款神牛产品。神牛环形机顶闪光灯ML-150是微距拍摄的最佳选择, 尤其在牙医、珠宝、生物、网拍等微距摄影方面表现尤为出色。此产品采用高性能CPU控制线路, 精确控制功率输出, 实现最低达1/16功率闪光, 让您的摄影更随心。

警告

- △ 请勿让本产品淋雨或受潮, 以免发生火灾或触电。
- △ 本产品内部有高压元件, 切勿自行拆解或维修, 如果接触产品内部的高压电路, 可能会触电。在需要修理时请送往指定地点专业维修。
- △ 如果在使用中挤压、跌落本产品或受到强烈的冲击, 造成外壳破裂后请勿继续使用, 以免接触到内部电子元件造成电击伤害。
- △ 请勿在近距离将闪光灯头正对人眼闪光 (特别是婴儿的眼睛), 否则可能会在短时间内造成视力障碍。在使用闪光灯拍摄婴儿时, 建议闪光灯至少距离1米以上, 或使用反射闪光减少闪光可能对视力造成的伤害。
- △ 请将电池或容易误吞的东西远离儿童存放, 如果误吞了物体, 请立即与医生联系。
- △ 如果电池内部腐蚀性液体流出, 需戴手套取出电池。
- △ 请勿在化学品或某些特殊物质、可燃性气体附近用闪光灯, 这些物质在特殊情况下可能对闪光灯发出的瞬间强光敏感, 有可能导致火灾或电磁干扰。在这些场合请注意相关警告标识。
- △ 请勿将本产品放置在超过40摄氏度的环境下 (如: 汽车后备箱), 有可能对元器件造成损坏。
- △ 本产品不能防水, 在雨天及潮湿环境下请注意防水。
- △ 长时间不用时请将电池取出, 存放在干燥的地方。

部件



- 01) 环形闪光灯头
- 02) 固定旋钮
- 03) 热靴座
- 04) 热靴触点
- 05) 输出功率指示灯
- 06) 功率选择按钮
- 07) 测试按钮

- 08) 电池盖
- 09) 电源开关
- 10) 充电指示灯
- 11) 快充座盖
- 12) 快充插座
- 13) 同步插孔盖
- 14) 同步插孔

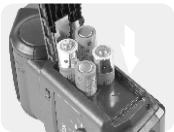
○ 安 装

(一)、安装电池



1、打开电池仓盖。

用您的拇指按电池仓,然后按照箭头所示方向滑动电池仓将电池仓盖打开。



2、安装电池。

按电池仓中的指示确保电池的正负触点朝向正确。



3、关闭电池仓盖。

按箭头所示方向滑动电池仓盖将其关闭。在电池仓盖发出咔嚓声的位置,电池仓盖将被锁定。

注意:

如果在连续闪光多次后更换电池,小心电池可能会很烫。
不使用时请将电池取出,以免电池漏液损坏闪光灯。

(二)、把闪光灯安装到相机上

1. 安装闪光灯控制器部分



●旋松固定座上的旋钮。



●滑动闪光灯固定座使其完全插入相机的热靴插座。



●将固定座上的旋钮旋紧直至闪光灯被锁住。

●如若卸下闪光灯控制器,先将旋钮松开再将其从相机热靴座上滑出。

2. 安装闪光灯灯头部分

本产品配有六种规格的适配环与相机镜头颈圈相符: 49mm、52mm、55mm、58mm、62mm和67mm。

选择相应的适配环安装在相机镜头上。

将环形闪光灯头扣在转接环上。

○ 使用闪光灯

(1) 电源管理

注意: 使用完后请把电源开关拨至“OFF”。

1、电源开关拨至“ON”, 充电指示灯不亮表示正在充电, 数秒后亮红灯, 表示可以拍摄; 要测试闪光, 按“TEST键”。使用完后请把电源开关拨至“OFF”。

2、当充电指示灯闪烁, 周期为1秒时, 表示电池电量不足, 请更换电池。

(2) 功率选择

本机有5档功率选择, 5个LED分别指示5档功率。按“+”键功率渐大, 顺序为: 1/16, 1/8, 1/4, 1/2, 1/1; 反之, 按“-”键输出功率渐小。

(3) 快门同步功能

用连闪线将相机与闪光灯连接, 可实现与快门同步触发闪光。

(4) 省电功能

本灯带有节能模式, 电源会在约30分钟无操作后自动进入省电状态。如需打开闪光灯, 请按任意键开启。省电状态下, 只有充电指示灯闪烁, 周期约3秒。

(5) 保护功能

1、进行连续闪光保护:

为防止闪光灯过热并损坏, 请勿在1/2和1/1功率时进行超过50次的快速连续闪光。50次连续闪光后, 要让闪光灯至少冷却10分钟, 如您在进行超过50次连续闪光后马上继续进行更多次闪光, 内部的防过热功能可能会被激活, 使充电时间变10至25秒左右。如果发生这种现象, 请让闪光灯冷却约10分钟, 闪光灯便会恢复正常。

连续闪光保护对应表:

功率	次数 (大约值)
1/1, 1/2	50
1/4, 1/8	100
1/16	200

2、系统过热保护:

当内部系统过热时, 说明闪光灯已经过度使用, 内部电路将自动关闭。整个电源, 需等系统温度下降 (10分钟左右), 闪光灯便会恢复正常。

规格参数

名称	规格参数
闪光指数	10(m ISO 100)
电源	4枚AA碱性电池或其他电池
闪光次数	300 - 1000次 (使用AA碱性电池)
回电时间	约0.1~2S (使用AA碱性电池)
色温	5600K+200K
闪光时间	1/300S - 1/5000S
体积	①环形灯头 128*103*28 mm ②控制器 75*50*160mm
净重	370g

所含物品:

闪光灯...(1)

说明书...(1)

适配环: 49mm、52mm、55mm、58mm、62mm和67mm

可购买本公司以下产品搭配使用



机顶闪光灯电源盒

为闪光灯提供电源, 缩短回电时间, 全功率闪光可达300~1000次。



电源盒端子线

Cx(Canon), Nx(Nikon), Sx(Sony), Mx(Metz)

连接闪光灯和电源盒, 有不同的型号以供不同品牌的闪光灯使用。

Before using the product, make sure to read through this instruction manual. Familiarity with connecting, operating or adjusting procedures will help you obtain the best performance. Keep the manual for future reference.

FOREWORD

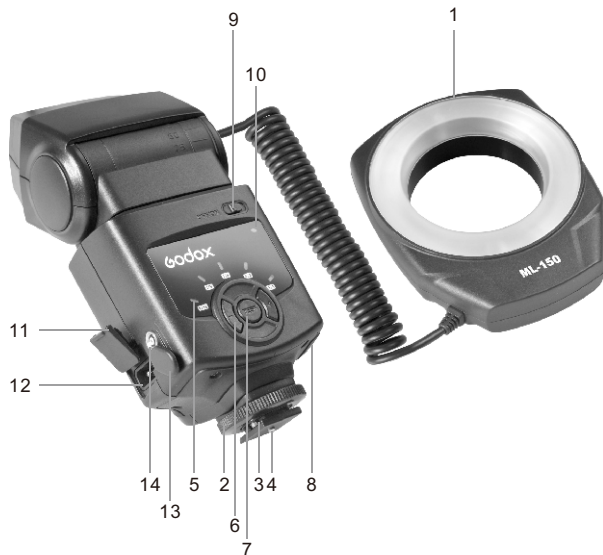
Thank you for choosing this GODOX product. GODOX Macro Ring Flash ML-150 is the perfect choice for photographers who require shadow free illumination. It is extremely effective for medical, forensic, scientific, and small commodities photography. Adopting the CPU control circuit, the flash provides high-quality and high-precision, its power output lowest to 1/16.

WARNING!

- ⚠ Always keep this product from rain or damp in order to prevent fire or electric shock.
- ⚠ The flash unit contains high voltage electric parts, do not try to open or repair the flash unit. If you touch the high-voltage circuit inside this product, electric shock may occur. Return it back to the nominated repair service station.
- ⚠ If the unit is extruded, fallen, suffered from strong impact and thus its inside is exposed, stop using immediately so as to prevent electric shock leading from touching the inside electric components.
- ⚠ Do not fire the flash direct to the eyes at short distances (especially baby's eyes), or it may cause damage to the eyes. When taking flash picture toward baby, it is recommended to keep the flash unit at least 1 meter (3.3 feet) away from the subject. Or use diffuser or bounce the light to soften its intensity.
- ⚠ Always keep the battery or anything easy to be gulped out of children's reach. In case of gulping due to carelessness, please contact a doctor immediately.
- ⚠ When there is caustic liquid leakage inside, it is necessary to wear gloves to take out the batter.
- ⚠ Do not use the flash unit in the flammable gas, chemical or such liquids. These materials may be sensitive to the flash from the unit in some circumstance. It may cause fire or electromagnetic interference.
- ⚠ Do not leave or store the flash unit in temperature over 40°C (such like in the automobile), or it may damage the electronic components.
- ⚠ The flash unit isn't water resistant. Please keep it away from rain or humidity.

△ If the flash unit is idle for long, please take out all batteries and keep the flash unit in dry area.

NOMENCLATURE



- 01) Ring Flash Head
- 02) Locking Ring
- 03) Hot Shoe Stand
- 04) Dedicated Hot Shoe Contact
- 05) Output Level Indicator
- 06) Flash Power Level Button
- 07) Test Button
- 08) Battery Chamber Cover
- 09) Power Switch
- 10) Charging Indicator
- 11) External Power Pack Terminal Cover
- 12) External Power Pack Terminal
- 13) PC Sync Socket Cover
- 14) PC Sync Socket

INSTALLATION

Installing Batteries



1. Open the Battery Chamber Cover.
Slide the battery chamber cover along the arrow direction and then open it by thumb.



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



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

NOTE:

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

Mounting Ring Flash on the Camera

1. Attach the Control Unit on the Camera



● Twist the mounting lock anticlockwise to loosen it to the highest point.



● Slide the mounting foot of control unit into the camera's hot shoe completely.



● Twist the mounting lock clockwise to tighten it.

● To remove the flash, loosen the fixed knob and slide it out of the hot shoe of camera.

2. Attach the Flash Ring on the Camera.

6 types of adapter rings available to suit the camera lens: 49mm, 52mm, 55mm, 58mm, 62mm and 67mm.

Choose the adapter ring needed for your camera and attach to the camera lens.

Mount the flash ring onto the adapter ring.

USING RING FLASH

Power Management

NOTE: After use, slide the power switch to OFF position.

- 1. Switch to the ON, the flash will start charging (the charging indicator is dim). After several seconds, the charging indicator turns red and the macro ring flash is ready to shoot. For a test flash, press the test button. After use, slide the power switch to OFF position to power off.
- 2. 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.

Output Control

The flash unit has 5 steps of power output control which indicated by 5 pieces of LED lamp for different level. Press “+” to make power higher and they are 1/16, 1/8, 1/4, 1/2, 1/1, otherwise, press “-” to make power lower.

Synchronization Function

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

Power Saving Function

The flash unit is equipped with power saving mode. When idle for about 30 minutes, it will enter “deeper sleep” state automatically to save power. In this case, the charging indicator flicks every 3 seconds. To restart the unit, just press any button.

Protection Function

1. Protection in Continuous Flashes

To prevent the flash head from getting too hot and damage, please do not flash over 50 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 50 times. In this case, 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 Output	Flashes (Approx.)
1/1,1/2	50
1/4,1/8	100
1/16	200

2. 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 (about 10 minutes).

SPECIFICATIONS

Name	Specifications
Guide Number	10(m ISO 100)
Power	4x AA batteries(Alkaline or Ni-MH are usable)
Flash Times	300-1000 times(AA alkaline batteries used)
Recycle Time	Approx. 0.1~2S(AA alkaline batteries used)
Color Temperature	5600K+200K
Flash Duration	1/300S-1/5000S
Dimension	①Ring Flash Head 128*103*28 mm ②Control Unit 75*50*160 mm
Net Weight	370g

Packaging Includes:

Ring Flash...(1)

Instruction Manual...(1)

Adapter Rings: 49mm,52mm,55mm,58mm,62mm and 67mm

OPTIONAL ACCESSORIES



Power Pack for Speedlite.

To provide power supply for speedlite, shorten the recycle time, up to 300~1000 flashes at full power.



Power Flash Connecting Cable.

Cx(Canon), Nx(Nikon), Sx(Sony), Mx(Metz)

To connect the speedlite and power pack, dedicated cable available for different speedlite.