Godox

TimoLink TRX

无线DMX收发器
Wireless DMX Transceiver

使用手册
Instruction Manual

前言

感谢您购买神牛产品。

TimoLink TRX,一款集无线发射与接收于一体的 DMX 设备,即插即用,支持 USB-C 接口供电,作为发射器时,它可以插在 DMX512 控制台上,使用 DMX512 控制台远程控制具备 CRMX 接收的灯具,或者它连接 "Godox KNOWLED "App,使用 App 远程控制具备 CRMX 接收的灯具。作为接收器时,它可以插在具备 DMX 功能但不具备 CRMX 接收的灯具上,用于接收 CRMX 信号。
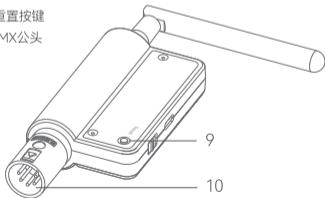
⚠警告

⚠ 本产品不具备防水功能,请保持干燥。
⚠ 请勿放置在超过 50 度的高温环境中。
⚠ 请勿私自拆卸产品,如产品出现故障须由本公司或授权的维修人员进行检查维修。

部件名称

1. SET按键
2. DMX测试开关按键
3. USB-C供电接口
4. 蓝牙信号指示灯
5. 接收(RX)信号指示灯
6. 发射(TX)信号指示灯
7. 电源指示灯
8. 天线
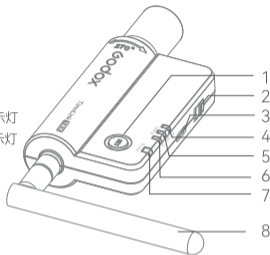
9. Reset重置按键
10. 5芯DMX公头

物料清单

无线DMX收发器 × 1　　　充电线 × 1　　　说明书 × 1

另购附件

DMX 转换器 DA5F3M

使用说明

查看模式/查看蓝牙（激活模式菜单）

该机集发射与接收于一体，您可以同时按 SET 按键 + Reset 重置按键激活模式菜单，可查看机器处于发射模式还是接收模式，蓝牙处于开启还是关闭。

1. 处于发射模式时，TX 信号灯为亮灯状态；
2. 处于接收模式时，RX 信号灯为亮灯状态；
3. 蓝牙开启，蓝牙信号灯为亮灯状态；
4. 蓝牙关闭，蓝牙信号灯为熄灭状态；

切换模式

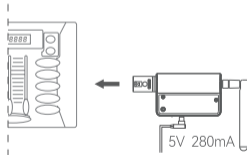激活模式菜单后，短按 SET 按键，可进行发射、接收模式切换。

切换蓝牙

激活模式菜单后，短按 Reset 重置按键，可进行开启、关闭切换。

连接控制台与灯具

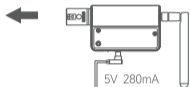下面说明以一个 TimoLink TRX 作为发射器，一个 TimoLink TRX 作为接收器为例

1. 发射器：将发射器插入 DMX512 控制台的母头后，使用充电线连接直流电源，同时按 SET 按键 + Reset 重置按键激活模式菜单后，短按 SET 按键切换至发射模式，设置完毕，同时按 SET 按键 + Reset 重置按键退出模式菜单。

5V　280mA

2. 接收器：将接收器插入灯具 DMX 5 芯母头后，使用充电线连接直流电源，同时按 SET 按键 + Reset 重置按键激活模式菜单后，短按 SET 按键切换至接收器模式，设置完毕，同时按 SET 按键 + Reset 重置按键退出模式菜单。

例：灯具 M200D

5V 280mA

3. 发射器的测试按键需拨至 OFF(关闭)。短按一次发射器的 SET 按键，信号指示灯出现快闪状态，表示正在与接收器进行连接，连接成功后，信号指示灯从快闪状态转为慢闪状态，此时发射器和接收器的信号指示灯为同一颜色。

注：1. 如发射器和接收器已与其他机器配对过，需短按 RESET 按键解除配对。
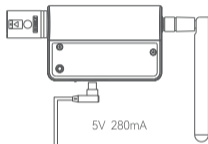2. 发射器解除配对的同时，当前所有配对的接收器会同时取消配对 (未接通电源或者超出距离控制的接收器除外)。

发射器

接收器

连接"Godox KNOWLED"App与灯具

下面说明以一个 TimoLink TRX 作为发射器，一个 TimoLink TRX 作为接收器为例

1. 发射器：使用充电线连接直流电源，同时按 SET 按键 + Reset 重置按键激活模式菜单后，短按 SET 按键切换至发射模式，短按 Reset 重置按键开启蓝牙，设置完毕，同时按 SET 按键 + Reset 重置按键退出模式菜单。

5V 280mA

2. "Godox KNOWLED" App：扫描二维码，在平板上下载"Godox KNOWLED"App。

"Godox KNOWLED" App 设置：注册登录 App 账号→创建项目→创建场景→进入设备设置→连接配置→选择蓝牙。

选择蓝牙，界面显示如下：

界面显示多个可以连接的蓝牙，点击蓝牙"TimoLink TRX"即可连接发射器，连接成功后，界面显示"连接成功"。

注：平板设备需开启方可连接成功。如果蓝牙未开启，IOS 系统平板请检查蓝牙是否处于开启状态并授权当前 App；安卓系统平板请检查蓝牙和系统位置是否处于开启状态并授权当前 App。Godox KNOWLED App 仅支持连接 LumenRadio CRMX 模块的蓝牙通信设备。

3.接收器：将接收器插入灯具DMX 5芯母头后，使用充电线连接直流电源，同时按SET按键 + Reset重置按键激活模式菜单后，短按SET按键切换至接收器模式，短按Reset重置按键开启蓝牙，设置完毕，同时按SET按键 + Reset重置按键退出模式菜单。
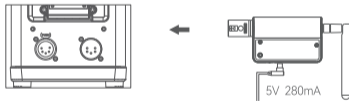
例：灯具 M200D

5V 280mA

4.发射器的测试按键需拨至 OFF(关闭)。短按一次发射器的 SET 按键，信号指示灯出现快闪状态，表示正在与接收器进行连接，连接成功后，信号指示灯从快闪状态转为慢闪状态，此时发射器和接收器的信号指示灯为同一颜色。

注 1.如发射器和接收器已与其他机器配对过，需要短按 RESET 按键解除配对。
2. 发射器解除配对的同时，当前所有配对的接收器会同时取消配对(未接通电源或者超出距离控制的除外)。
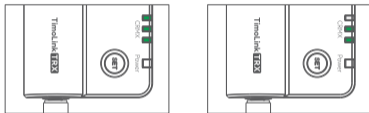
注：当发射器连接多个接收器时，请务必将多个接收器都处于供电状态后，再短按发射器的 SET 按键进行连接。短按两次发射器 SET 按键可切换信号指示灯颜色，共有八种颜色。

DMX测试功能

为确保成功输出 DMX 信号, 按照上述 < 使用说明 > 设置完毕后, 将 DMX 测试开关键拨至 ON (开启), 如有 DMX 信号, 发射器和接收器信号指示灯均为常亮状态, 灯具将按照既定程序测试光效, 测试完毕, 请将 DMX 测试开关键拨至 OFF (关闭), 控制台方可控制灯具。
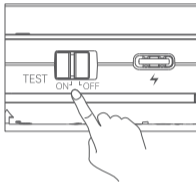
特别说明

当机器处于发射模式时, 信号指示灯为满格状态。

当机器处于接收模式时, 测试按键和 SET 按键不起功能作用, 非故障问题。

在蓝牙连接控制状态下, 机器测试功能无效, 可通过 APP 进行数据发送测试。

连接展示

一台控制台控制多个灯具时

例: 灯具 M200D — RX 1
例: 灯具 M300D — RX 2
例: 灯具 M600D — RX 3

TX 1   CRMX

多台控制台控制多个灯具时

TX 1
指示灯蓝色
CRMX

RX 1
指示灯蓝色

RX 2
指示灯蓝色

例: 灯具 M200D

TX 2
指示灯绿色
CRMX

RX 3
指示灯绿色

例: 灯具 M200D

RX 4
指示灯绿色

例: 灯具 M200D
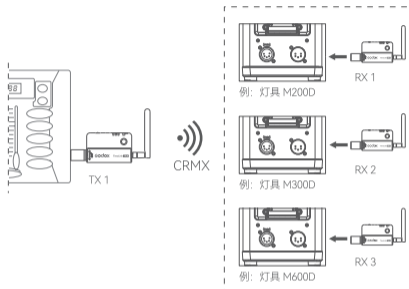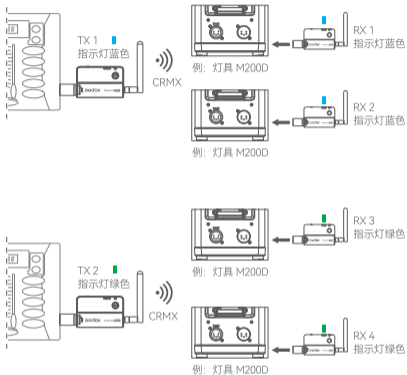
注: DMX512 控制台需另购, 上述图示仅供说明。

"Godox KNOWLED"App控制自带CRMX接收灯具

Godox KNOWLED App

5V 280mA

CRMX

例: 灯具MG2400Bi

CRMX

例: 灯具MG2400Bi

CRMX

例: 灯具MG2400Bi
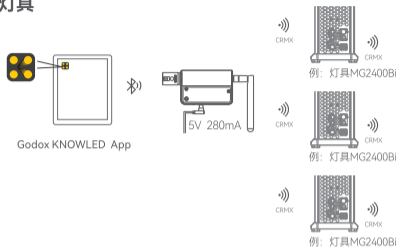
"Godox KNOWLED"App控制具备DMX功能但不具备CRMX接收灯具

Godox KNOWLED App

5V 280mA

CRMX

RX 1
例: 灯具 M200D

RX 2
例: 灯具 M300D

RX 3
例: 灯具 M600D
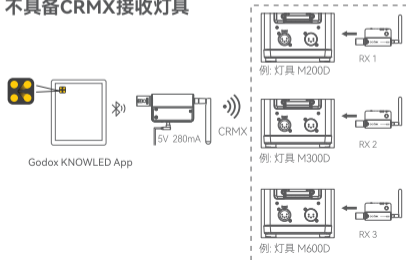
规格参数

型号	TimoLink TRX
输入参数	5V⎓ 280mA
信号指示灯颜色	8种
供电接口	USB-C
兼容设备	DMX512控制台/DMX240控制台/具备DMX功能的灯具/"Godox KNOWLED "App
DMX插头可旋转角度	270°
CRMX传输距离	最远200m（空旷环境下）
蓝牙输出距离	最远30m（空旷环境下）
工作环境温度	–20~45℃
尺寸	141mm*96mm*26mm
净重≈	90g

规格和参数如有变更，恕不另行通知。

Foreword

Thank you for purchasing！

The TimoLink TRX is a wireless transmitter and receiver device that combines both functions into one. It is plug-and-play and supports USB-C power supply. When used as a transmitter, it can be plugged into a DMX512 controller to remotely control lights with CRMX receiver functionality. Alternatively, it can be connected to "Godox KNOWLED"app to remotely control lights with CRMX receiver functionality . When used as a receiver, it can be plugged into lights that have DMX functionality but do not have CRMX receiver capability, allowing them to receive CRMX signals.

⚠Warning

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

⚠ Do not leave or store the product if the ambient temperature reads over 50℃.

⚠ Do not disassemble, Should repairs become necessary, this product must be sent to our company or an authorized maintenance centre.

Name of Parts

1. SET Button
2. DMX Test Button
3. USB-C Port
4. BT Signal Indicator
5. Receiver (RX) Indicator
6. Transmitter (TX) Indicator
7. Power Indicator
8. Antenna

1
2
3
4
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6
7
8
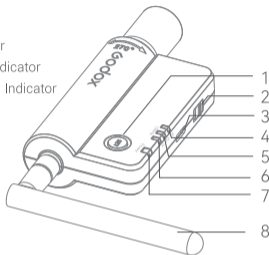
9. Reset Button
10. 5-pin DMX Male Port

9
10
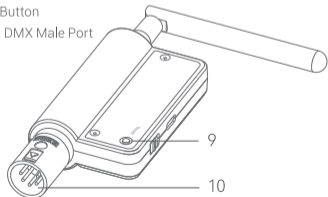
What's Inside

Wireless DMX Transceiver × 1   Charging Cable × 1   Instruction Manual×1

Optional Accessories

DMX Adapter DA5F3M

Operating Instruction

Check Mode/Check BT(Activate mode menu)

The device combines both transmission and reception functions. You can simultaneously press the SET button and the Reset button to activate the mode menu, where you can check whether the device is in transmission mode or reception mode, and whether BT is turned on or off.

1. In transmission mode, the TX signal light will be on.
2. In reception mode, the RX signal light will be on.
3. When BT is turned on, the BT signal light will be on.
4. When BT is turned off, the BT signal light will be off.

Switching Modes

After activating the mode menu, press the SET button briefly to switch between transmission and reception modes.

Switching BT

After activating the mode menu, press the Reset button briefly to switch between turning on and off.

Connecting the Controller with the Fixtures

The following instructions are based on using one TimoLink TRX as the transmitter and one TimoLink TRX as the receiver.

1.Transmitter: Insert the transmitter into the female connector of the DMX512 controller, and use the charging cable to connect to the DC power supply. 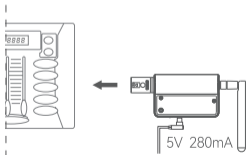Simultaneously press the SET button and the Reset button to activate the mode menu. Press the SET button to switch to the transmit mode, Once the settings are complete, simultaneously press the SET button and the Reset button to exit the mode menu.

5V 280mA

2.Receiver: Insert the receiver into the fixture's DMX 5-pin female-port, using the charging cable to connect to the DC power supply, Simultaneously press the SET button and the Reset button to activate the mode menu. Press the SET button to switch to receiver mode. Once the settings are complete, simultaneously press the SET button and the Reset button to exit the mode menu.

Example:Lighting fixture M200D

5V 280mA

3.The test button on the transmitter should be turned OFF. Press the SET button on the transmitter once, and the signal indicator light will start flashing rapidly, indicating that it is connecting with the receiver. Once the connection is successful, the signal indicator light will change to a slow flash. At this point, both the transmitter and receiver will have the same color for their signal indicator lights.

Note: 1.If the transmitter and receiver have been paired with other devices before, press the RESET button to unpair them.
2.After unpairing the transmitter, all paired receivers will be unpaired simultaneously (except for those not powered on or out of range).
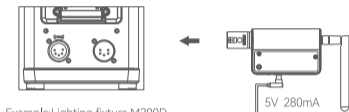
Transmitter

Receiver

Connect the "Godox KNOWLED" App to the Fixture

The following instructions are based on using one TimoLink TRX as the transmitter and another TimoLink TRX as the receiver.
1.Transmitter: Connect the DC power supply using the charging cable. Press and hold the SET button + Reset button to activate the mode menu. Then, press the SET button briefly to switch to the transmitter mode. Press the Reset button briefly to enable BT. Once the settings are done, press and hold the SET button + Reset button to exit the mode menu.

5V 280mA
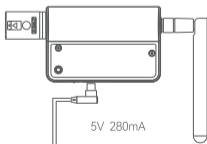
2. "Godox KNOWLED" App:
Scan the QR code to download "Godox KNOWLED " app on your tablet.

"Godox KNOWLED " App Settings:
Register and log in to your app account → Create a project → Create a scene → Enter device settings → Connect configuration → Select BT.

Select BT, the interface displays as follows:
Multiple available BT devices are shown on the interface. Click on the BT "TimoLink TRX" to connect the transmitter. After a successful connection, the interface displays "Connection successful" .

Note: BT on the tablet needs to be turned on in order to establish a successful connection. If BT is not enabled, please check if BT is turned on and authorize the current app on iOS tablets. For Android tablets, please check if BT and system location are turned on and authorize the current app. Godox KNOWLED App only supports BT communication devices with LumenRadio CRMX modules.

3.Receiver: Insert the receiver into the DMX 5-pin female-port, and connect it to a DC power source using a charging cable. Press the SET button and Reset reset button simultaneously to activate the mode menu, Press the SET button to switch to receiver mode, and press the Reset reset button to enable BT. After setting is done, press the SET button and Reset reset button simultaneously to exit the mode menu.
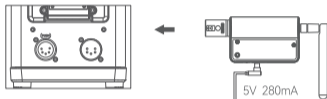
Example: Lighting fixture M200D

4.The test button on the transmitter should be set to OFF (closed), Press the SET button on the transmitter once, and the signal indicator light will start flashing quickly, indicating that it is connecting to the receiver. After a successful connection, the signal indicator light will change from fast flashing to slow flashing. At this point, the signal indicator lights on the transmitter and receiver will be the same color.
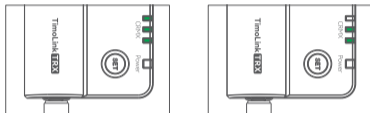
Note:1.If the transmitter and receiver have been previously paired with other devices, press the RESET button to unpair them.
2.When the transmitter is unpaired, all currently paired receivers will also be unpaired at the same time (except for those not powered on or out of control range).

Note: When connecting the transmitter to multiple receivers, make sure all receivers are powered on before pressing the SET button on the transmitter to connect. Pressing the SET button on the transmitter twice can toggle the color of the signal indicator light, with a total of eight colors available.

DMX Test Function

To ensure successful output of DMX signal, follow the instructions provided above for setup. Once the setup is complete, switch the DMX test switch to the ON position. If a DMX signal is present, both the transmitter and receiver signal indicator lights will remain constantly lit. The lighting fixture will undergo a predefined program to test the lighting effects. After completing the test, switch the DMX test switch to the OFF position. Only then will the controller be able to control the lighting fixture.
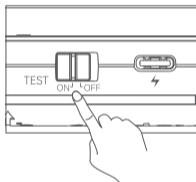
Special Note

When the machine is in transmit mode, the signal indicator light will be at maximum level.
When the machine is in receive mode, the test button and SET button do not function. This is not a malfunction but a normal behavior.

In the BT connection control status, the machine testing function is invalid. You can perform data transmission tests through the App.

Connection Display

When one controller controls multiple lighting fixtures

TX 1   CRMX

RX 1
Example: Lighting fixture M200D

RX 2
Example: Lighting fixture M300D

RX 3
Example: Lighting fixture M600D
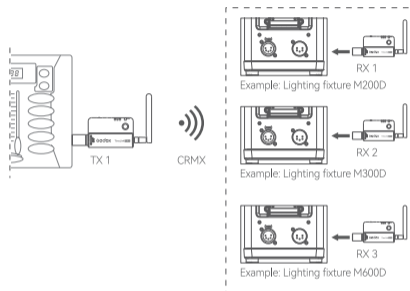
When multiple consoles control multiple lighting fixtures:

TX 1
Indicator light: Blue.

RX 1
Indicator light: Blue.

Example:
Lighting fixture M200D

RX 2
Indicator light: Blue.

Example:
Lighting fixture M200D

CRMX

TX 2
Indicator light: Green.

RX 3
Indicator light: Green.

Example:
Lighting fixture M200D

CRMX

RX 4
Indicator light: Green.

Example:
Lighting fixture M200D
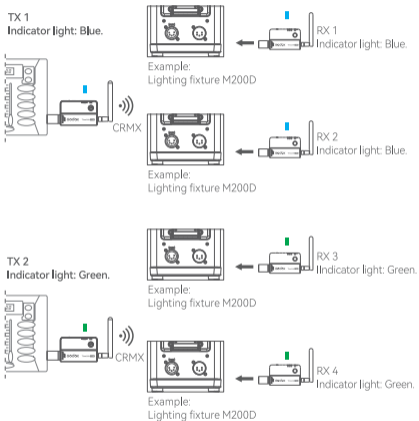
Note: DMX512 controller needs to be purchased separately. The above illustrations are for reference purposes only.

When "Godox KNOWLED" App controls lighting fixtures with built-in CRMX receiver

'Godox KNOWLED ' App

5V 280mA

CRMX

CRMX

Example: Lighting fixture MG2400Bi

CRMX

Example: Lighting fixture MG2400Bi

CRMX

CRMX

Example: Lighting fixture MG2400Bi
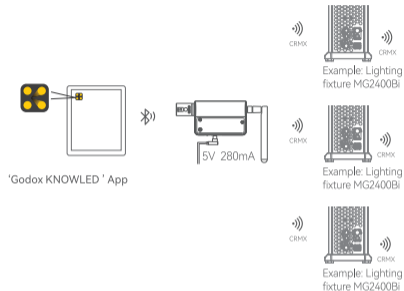
When "Godox KNOWLED" App controls lighting fixtures with DMX capabilities but without CRMX receiver function

Godox KNOWLED App

5V 280mA

CRMX

RX 1
Example: Lighting fixture M200D

RX 2
Example: Lighting fixture M300D

RX 3
Example: Lighting fixture M600D
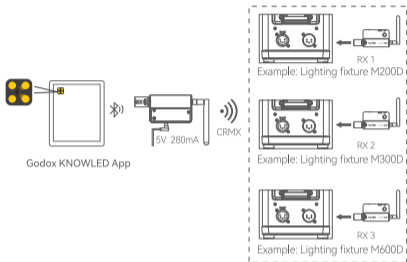
Technical Data

Model	TimoLink TRX
Input Parameter	5V⎓280mA
Colors of Signal Indicator	8 types
Power Supply Port	USB-C
Compatible Devices	DMX512 Controller/DMX240 Controller/Fixture with DMX functionality/"Godox KNOWLED "App
DMX Plug Rotatable Angle	270°
CRMX Transmission Distance	Max. 200m（In an open environment)
BT Transmission Distance	Max. 30m（In an open environment)
Working Environment Temperature	-20~45℃
Dimension	5.55" × 3.78" × 1.02"
Net Weight≈	90g

Specifications and data may subject to changes without notice.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

Warning

Operating frequency: 2402MHz – 2480MHz
Maximum EIRP Power: 5dBm

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/eu-declaration-of-conformity/
The device complies with RF specifications when the device used at 0mm from your body.

产品保修

尊敬的用户，本保修卡是申请保修服务的重要凭证，请您配合销售商填写并妥善保管，谢谢!

产品信息	型号	产品条码
用户信息	姓名	联系电话
	通信地址	
销售商信息	名称	
	联系电话	
	通信地址	
	销售日期	
备注		

注：此表应由销售商盖章确认。

本文件适用于相关《产品保修信息》(见后面说明)所列产品，其他非属此范围的产品或部件(如促销品、赠品及其他出厂后附加的部件等)不在此保修承诺内。

保修期

产品及部件的相应保修期按相关的《产品保修信息》执行。保修期自产品首次购买日起算，购买日以购买产品时保修卡登记日期为准。

如何获得保修服务

要保修服务，您可直接与产品销售商或授权服务机构联系，也可拨打神牛产品售后服务电话，与我们联系，由我们的服务人员为您安排服务。申请保修时，您应提供有效的保修卡作为保修凭证，方可获得保修。如您不能提供有效的保修卡，则在我们可确认产品或部件属于保修范围的情况下，也可以为您提供保修，但这不作为我们的义务。

如产品存在下列情况，本文件项下的保证和服务将不适用 ①产品或部件超过相应保修期；②错误或不适当使用、维护或 保管导致的故障或损坏，如：不当搬运；非按产品合理预期用途使用；不当插拔外接设备；跌落或外力挤压；接触或暴露于不适当温度、溶剂、酸碱、水浸或潮湿环境；③由非神牛授权机构或人员安装、修理、更改、添加或拆卸造成的故障或损坏；④产品或部件原有识别信息被修改变更或除去；⑤无有效保修卡；⑥使用非合法授权、非标准或非公开发行的软件造成的故障或损坏；⑦因不可抗力或意外事件造成的故障或损坏；⑧其他非因产品本身质量问题导致的故障或损坏。遇上述情况，您应向相关责任方寻求解决，神牛对此不承担任何责任。因非在保修期或保修范围内的部件、附件或软件导致产品不能正常使用的，不是保修范围内的故障。产品使用过程中正常的脱色，磨损和消耗，不是保修范围内的故障。

产品保修和服务支持信息

产品的保修期和服务类型按以下《产品保修信息》执行：

产品类别	选件名称	保修期(月)	保修服务类型
部件	电路板	12	客户送修
	电池	3	客户送修
	充电器等带电性能的部件	12	客户送修
其他	如外壳、保护罩、锁紧装置、包装等。	无	无保修

神牛产品售后服务电话：0755-29609320-8062

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 safekeep 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.

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	Customer sends the product to designated site
	Electrical parts e.g.battery charger, etc.	12	Customer sends the product to designated site
Other Items	lamp body, lamp cover, lockingdevice, package, etc.	No	Without warranty

Godox After-sale Service Call 0755-29609320-8062