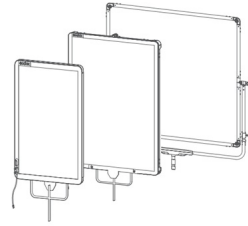


Godox

Godox AD21
Adjustable
Diffusion



Godox AD21 Adjustable Diffusion Instruction Manual

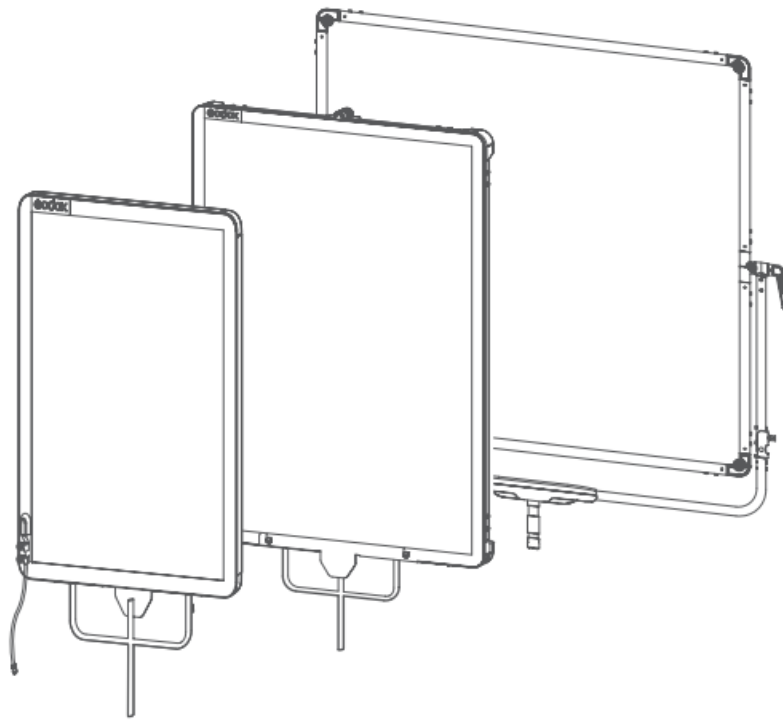
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Godox

Godox AD21 Adjustable Diffusion



Important Safety Instructions and Precautions

Godox LED lights, or products used with them, should only be operated by professionals. Carefully read and fully understand the instruction manual before use and strictly follow the safety instructions. Failure to do so may result in death, serious injury, damage to the product, or other property damage.

Danger

- Do not use damaged product. Stop using immediately if the product shell is cracked due to falling, squeezing, or strong impact, to avoid touching the internal electronic components and getting an electric shock.
- Please use only the accessories recommended by our factory to avoid fire, electric shock or personal injury. If an extension cord is required, use the original extension cord or one recommended by the manufacturer (an extension cord with a current rating greater than or equal to that of the equipment). Extension cords rated at less than that of the equipment may cause fire, electric shock, other serious personal injury hazards, or property damage.
- Use only intact ground connection cables or ground extension cables that have been expressly recognized by the manufacturer for use in the operation of powered products. Damaged or twisted connection cables must be replaced immediately! The product has a long input power cord, so please place the power cord in a safe position to avoid it coming into contact with overheated objects, being improperly placed and causing damage by pulling, or tripping over on-site personnel.
- Do not disassemble the product without permission. If the product malfunctions, it must be checked and repaired by authorized maintenance personnel. If the lamp bead is damaged or deformed by heat, stop using it, and contact the manufacturer, service agent or qualified maintenance personnel to replace the lamp bead in time to avoid accidents.
- Do not use and store this product in explosive atmospheres (near flammable volatile solvents such as alcohol, gasoline, or gases such as methane and ethane).
- When cleaning and repairing the product, turn off the power before unplugging the product's power cord from the power outlet. When not in use, do not pull the power cord to unplug the product from the power outlet.

Unplug the product from the power outlet by grasping both ends of the plug with your hands.

Warning

- This equipment is not waterproof, please keep it dry and do not immerse it in water or other liquids. The equipment should be installed in a dry and ventilated place, and avoid using it in rainy, humid, dusty or overheated environments.
- Do not block or cover the heat dissipation port of the product.
- After use, the product should be completely cooled before packaging.

Attention

- All transport protective materials and packages on the product must be removed before use.
- When not in use, please turn off the product and stop the power supply promptly.
- The safety instructions are formulated according to the strict testing of the factory, and the design and specifications of the equipment are subject to change without prior notice. Customers can view the latest electronic instruction manuals on the official website of Godox and learn about the latest product information.

Foreword

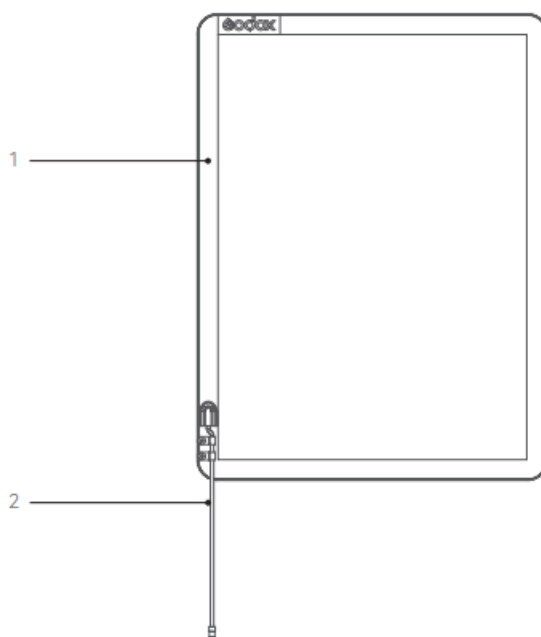
Thank you for purchasing

Adjustable diffusions AD21, AD32 and AD33 are designed for motorized precise adjustment of the luminousness. With built-in DMX, CRMX and Bluetooth control functions, they can realize innovative lighting solutions.

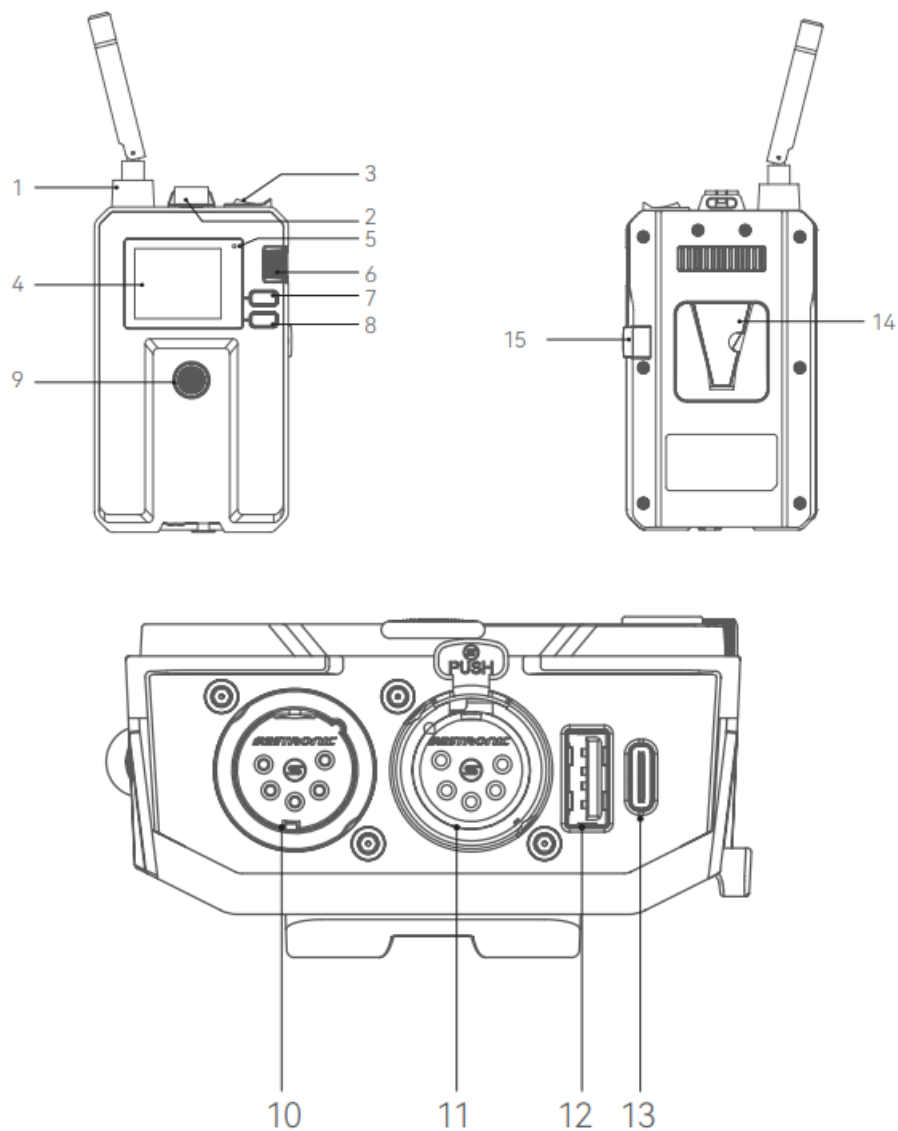
Names of Parts

Diffusion

1. Velcro
2. Connecting Cable

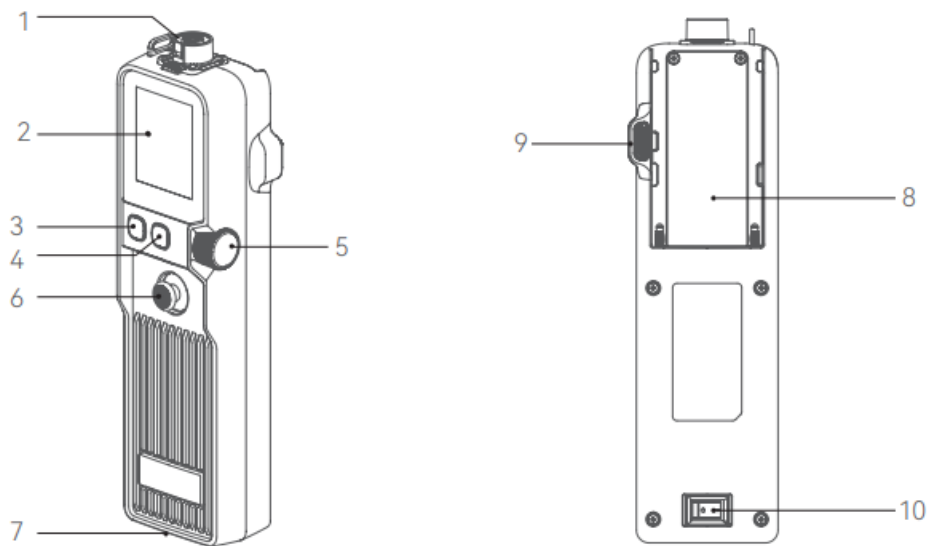


Controller AD00-01



1. Antenna Interface
2. AC Output Port
3. Power Switch Button
4. Display
5. Wireless DMX Status Indicator
6. SET Button (rotate/press)
7. MODE Button
8. MENU Button
9. Adjust Pole
10. DMX IN Port
11. DMX OUT Port
12. USB-A Port
13. USB-C Port
14. V-mount Battery Mounting Base
15. Battery Detaching Pusher

Controller AD00-02



1. AC Input Port
2. Display
3. MENU Button
4. MODE Button
5. SET Button
6. Adjust Pole
7. USB-C Port
8. NPF Battery Slot
9. Battery Detaching Pusher
10. Power Switch Button

What's Inside AD21 Series



Adjustable Diffusion AD21-01



Bracket AD21-02



Controller AD00-01



USB-C Data Cable



AC Signal Control Cable



D-TAP to USB-C Adapter Cable



Controller AD00-02



Storage Bag

Items	AD21	AD21 K1	AD21 K2	AD21 K3
Adjustable Diffusion AD21-01	√	√	√	√
Bracket AD21-02	√	√	√	√
Controller AD00-01	√	×	√	×
USB-C Data Cable	√	×	√	×
D-TAP to USB-C Adapter Cable	√	×	√	×
AC Signal Control Cable	√	√	√	√
Controller AD00-02	×	√	×	√
Storage Bag	×	×	√	√
Instruction Manual	√	√	√	√



Adjustable Diffusion AD32-01



Bracket AD32-02



Controller AD00-01



USB-C Data Cable



AC Signal Control Cable



D-TAP to USB-C Adapter Cable



Controller AD00-02



Reel

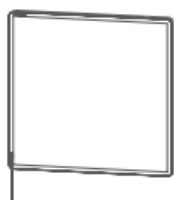


Tube



Storage Bag

Items	AD32	AD32 K1	AD32 K2	AD32 K3
Adjustable Diffusion AD32-01	√	√	√	√
Bracket AD32-02	√	√	√	√
Controller AD00-01	√	×	√	×
USB-C Data Cable	√	×	√	×
D-TAP to USB-C Adapter Cable	√	×	√	×
AC Signal Control Cable	√	√	√	√
Controller AD00-02	×	√	×	√
Reel	√	√	√	√
Tube	×	×	√	√
Storage Bag	×	×	√	√
Instruction Manual	√	√	√	√



Adjustable Diffusion AD33-01



Bracket AD33-02



Controller AD00-01



USB-C Data Cable



AC Signal Control Cable



D-TAP to USB-C Adapter Cable



Controller AD00-02



Reel



Tube



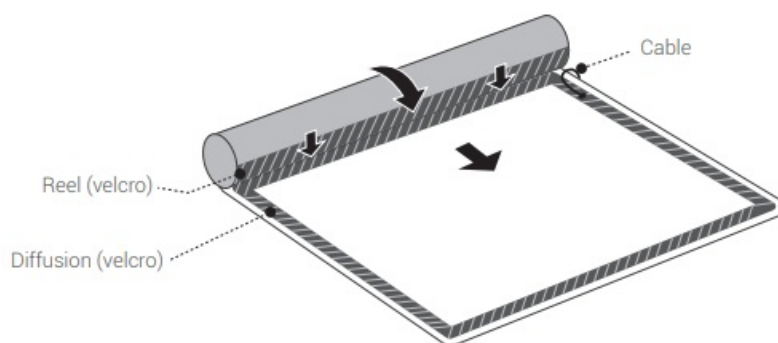
Storage Bag

Items	AD33	AD33 K1	AD33 K2	AD33 K3
Adjustable Diffusion AD33-01	√	√	√	√
Bracket AD33-02	√	√	√	√
Controller AD00-01	√	×	√	×
USB-C Data Cable	√	×	√	×
D-TAP to USB-C Adapter Cable	√	×	√	×
AC Signal Control Cable	√	√	√	√
Controller AD00-02	×	√	×	√
Reel	√	√	√	√
Tube	×	×	√	√
Storage Bag	×	×	√	√
Instruction Manual	√	√	√	√

Proper Storage of the Diffusion

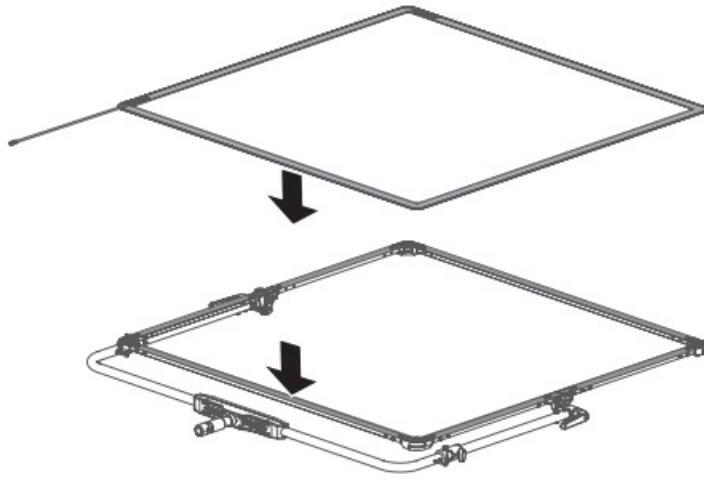
In order to prolong the performance and service life, please properly store and protect the diffusions AD32 and AD33 as follows.

1. The reel is equipped with velcro, which is an important storage tool for the diffusion and should not be discarded.
2. Roll the reel with the Velcro tightly and slowly horizontally according to the correct orientation as shown, pay attention to the fit of diffusion and reel, and the diffusion should not be smaller than the outer diameter of the reel, then properly keep them after rolling up.
3. When taking out the diffusion, tear the velcro lightly and slowly, do not tear it to the end with force.
4. Improper operation of the diffusion may cause cracking, blistering and other damages, which will not be covered by the warranty.



Mount onto the Bracket

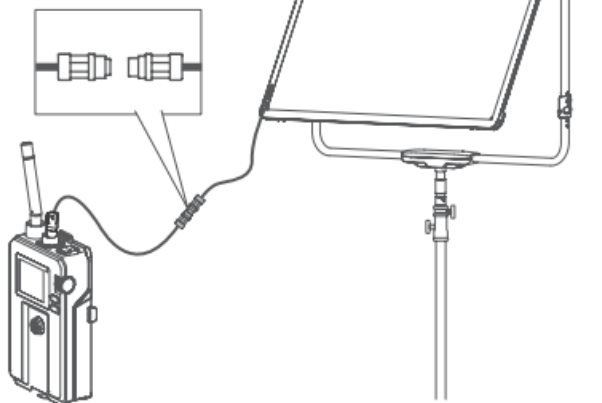
Place the diffusion with the wire side up, stick it flat onto the bracket with Velcro.



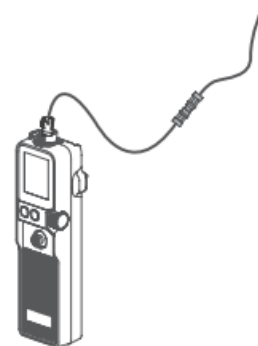
Power Supplies

Connect the diffusion to the controller: connect one end of the AC signal control cable to the cable of diffusion, the other end into the AC input port of the controller.

Connect the diffusion to the controller AD00-01



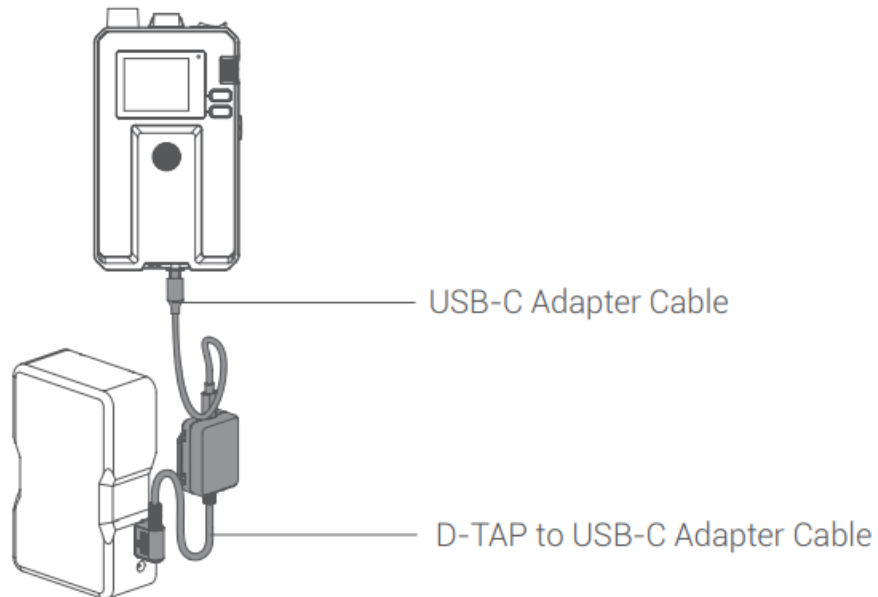
Connect the diffusion to the controller AD00-02



Battery Power Supply

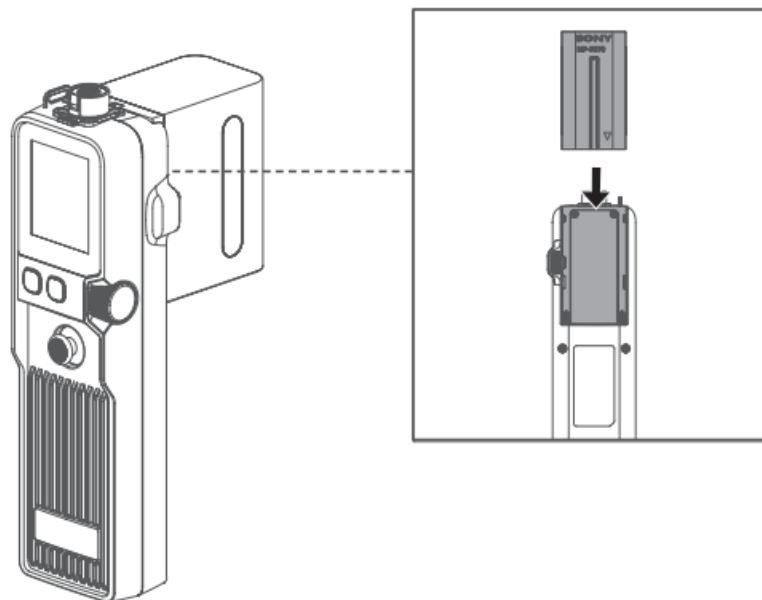
V-mount Battery AD00-01

Insert one end of the D-TAP to USB-C adapter cable into the separately purchased V-mount battery, and the other end into the controller.



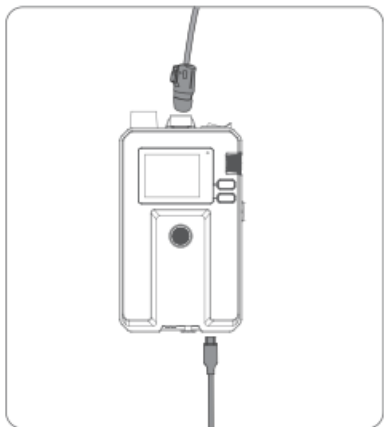
NPF Battery AD00-02

Insert one separately purchased 7.4V NPF battery into the battery slot of the controller.

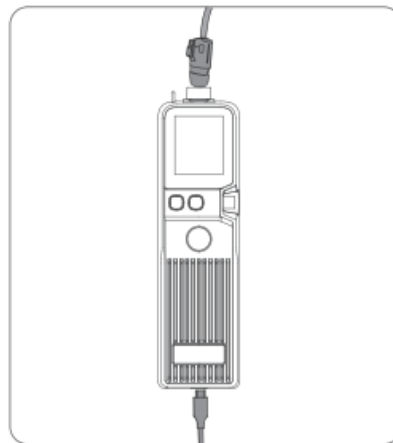


External Adapter Power Supply

Insert one end of the USB-C data cable into the power source, the other end into the USB-C port of the controller.



AD00-01

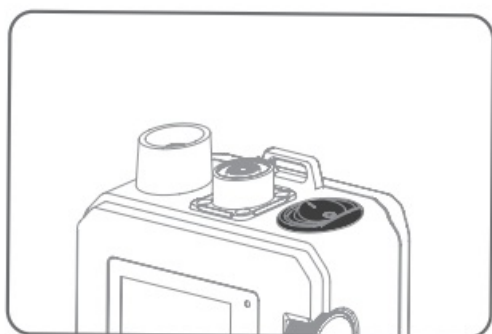


AD00-02

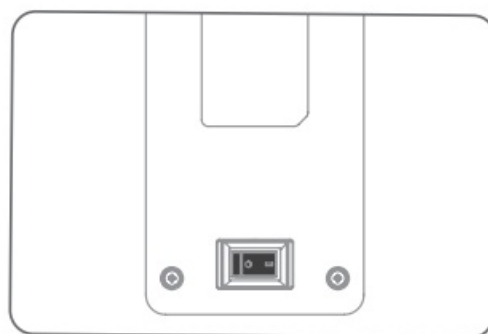
Note: The USB-C data cable is not included in controller AD00-02, and need to separately purchased.

Power Switch

After connecting the power, turn the controller switch button to < | > to turn on the power, and turn it to < O > to turn off the power;



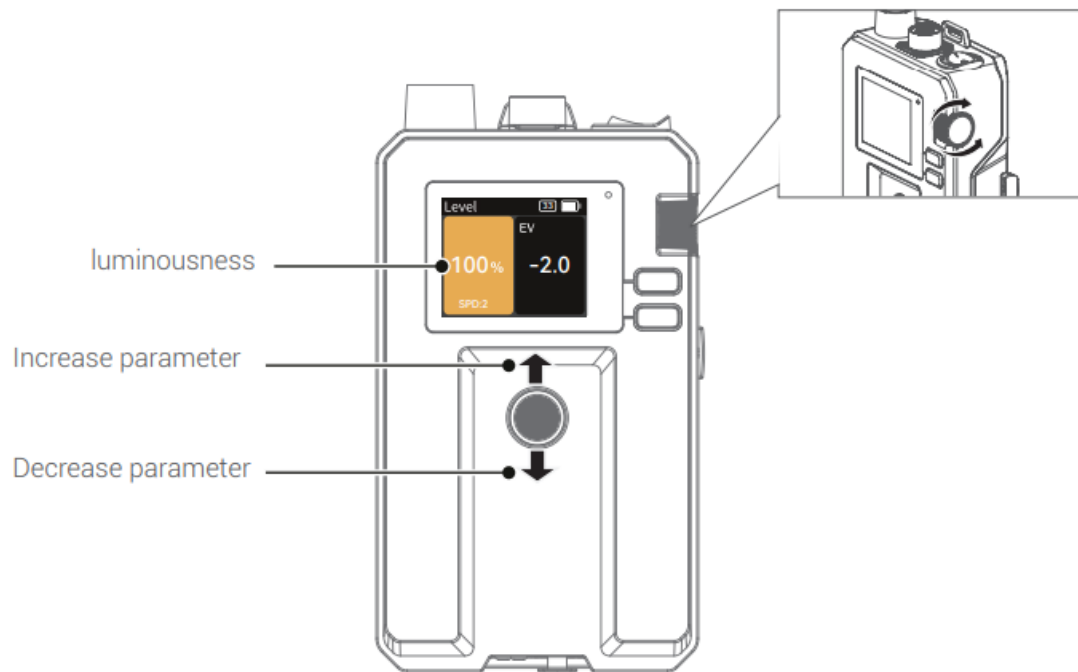
AD00-01



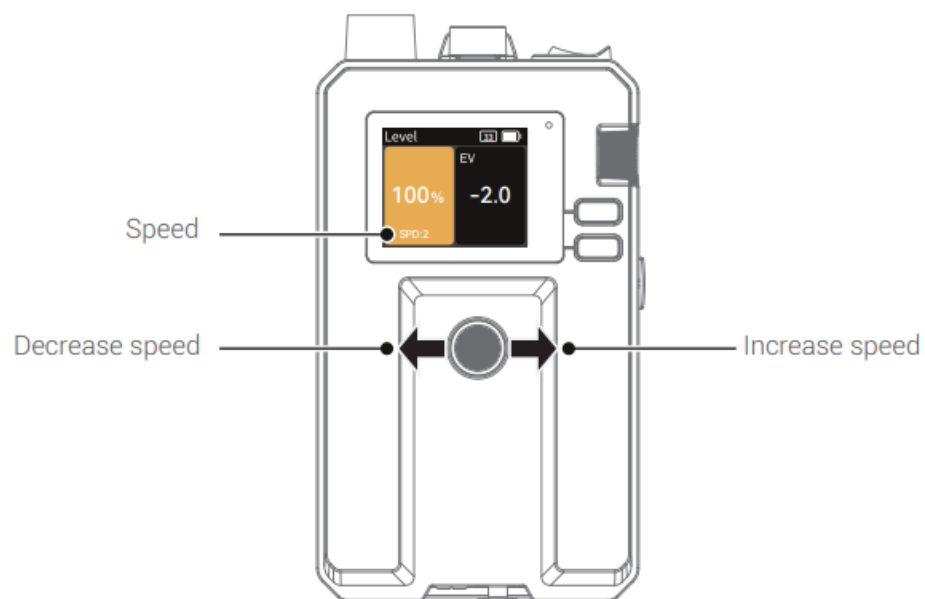
AD00-02

Controlling by the Controller AD00-01

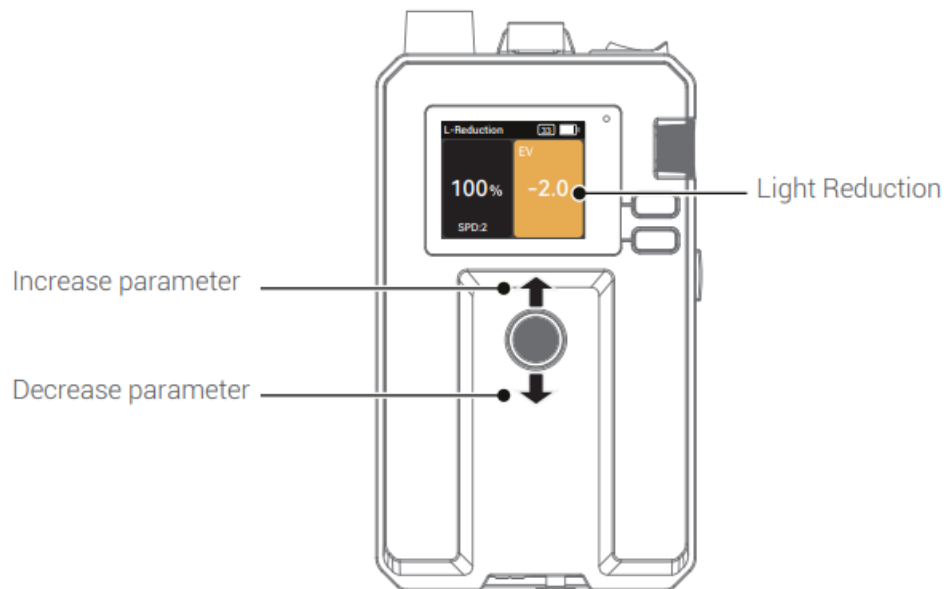
Luminousness (0%-100%)



Speed (1-4)

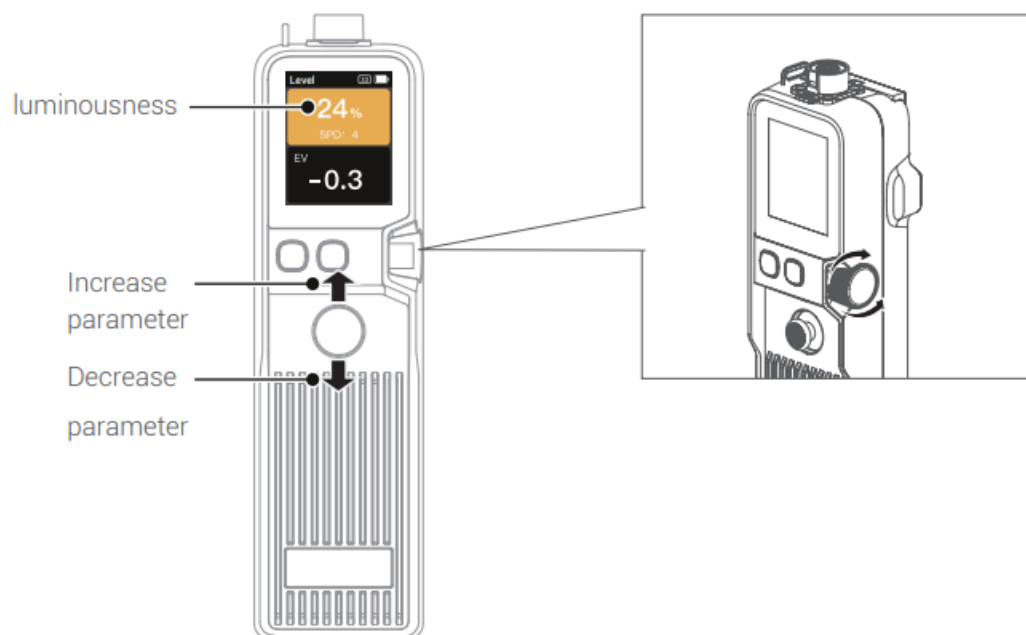


Light Reduction (-0.1 -2.0)

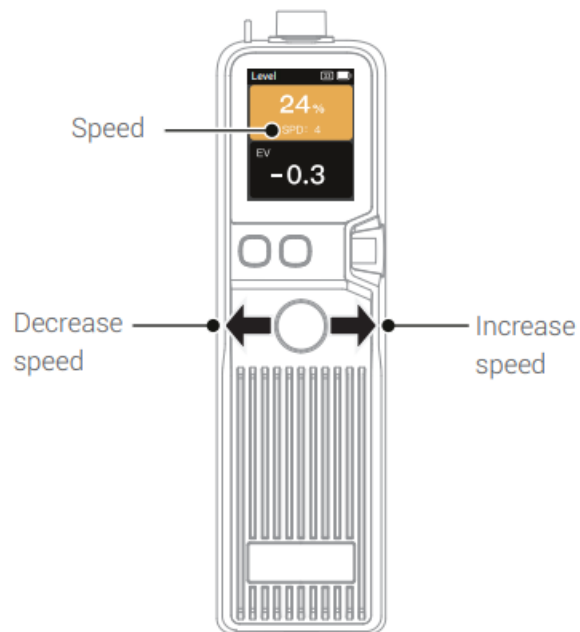


Controlling by the Controller AD00-02

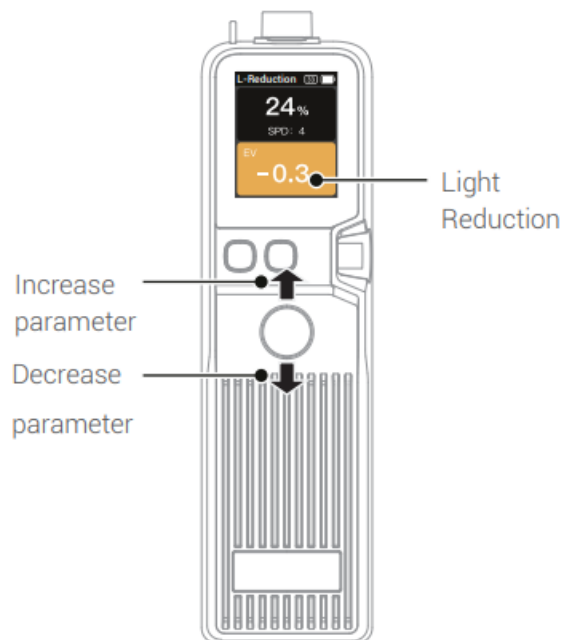
Luminousness (0%-100%)



Speed (1-4)

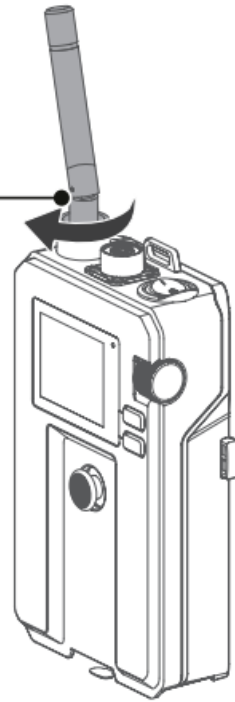


Light Reduction (-0.1 -2.0)



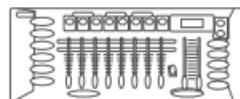
Antenna Installation (AD00-01)

Align the antenna with the interface and rotate clockwise to lock it.



Wireless DMX Connection (AD00-01)

LumenRadio CRMX TX

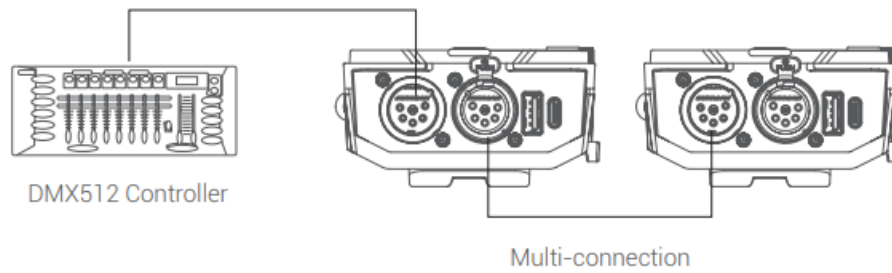


DMX512 Controller



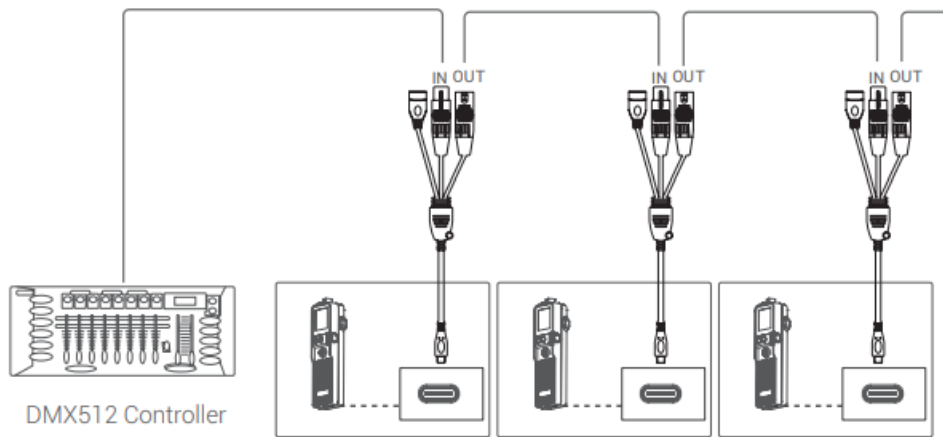
Wired DMX Connection

AD00-01



AD00-02

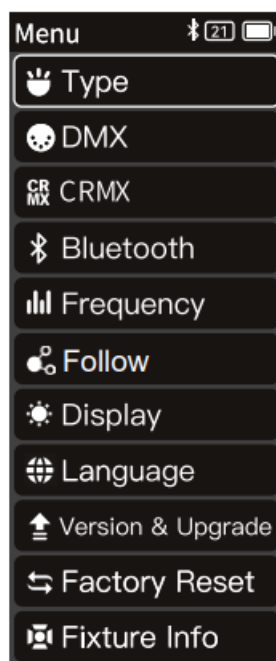
After inserting a separately purchased DMX adapter cable DMX-C2 into the USB-C port of the controller, the fixture is equipped with DMX outputs and inputs, then wired DMX connection can be realized by connecting the separately purchased DMX cable to the controller.



Note: The DMX512 connection is for illustration only, the controller and connecting cable are sold separately.

Menu

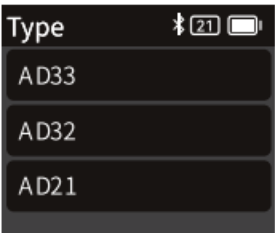
Press the MENU button to enter menu interface, rotate and press the SET button to enter and adjust the following setting options, press the MENU button can return to the menu interface.



Note: The menu interface takes AD00-01 as an example, AD00-02 doesn't have CRMX function.

Type

Press the SET button to enter type interface, rotate and press the SET button to choose among AD33, AD32 or AD21.



DMX

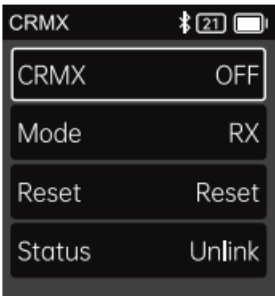
Press the SET button to enter DMX settings, rotate and press the SET button to adjust the parameters.



Level 1 Option	Level 2 Option	Description
Address	001-512	Initial address
DMX Mode	01: Level 8 Bit	Level mode in 8bit
	02: Light Reduction 8 Bit	Light Reduction mode in 8bit
	03: Ultimate 8 Bit	Ultimate mode in 8bit
RDM State	On	Turn on RDM, the controller can set the device addresses and DMX mode
	Off	Turn off RDM
Extend DMX CH	On	Turn on extend DMX channels
	Off	Turn off extend DMX channels

CRMX

Press the SET button to enter CRMX settings, rotate and press the SET button to adjust the parameters.

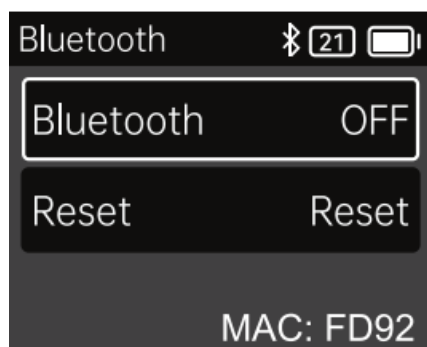


Level 1 Option	Level 2 Option	Description
CRMX	On	Turn on CRMX
	Off	Turn off CRMX
Mode	TX	Transmitter mode
	RX	Receiver mode
Reset	Reset	Press the SET button to reset after selecting it
Output Power	5dBm	Output power 5dBm, only available for adjustment in TX mode
	11dBm	Output power 11dBm, only available for adjustment in TX mode
	16dBm	Output power 16dBm, only available for adjustment in TX mode
	20dBm	Output power 20dBm, only available for adjustment in TX mode
Connect	Press the SET button to connect after selecting it	

Note: The CRMX function is only available for controller AD00-01.

Bluetooth

Press the SET button to enter Bluetooth settings, rotate and press the SET button to turn on/off, or reset. The MAC code is on the corner for quick check.



“GODOX Light” app Downloading


Scan the QR code to download the “Godox Light” smartphone app (can be used in Android and iOS).

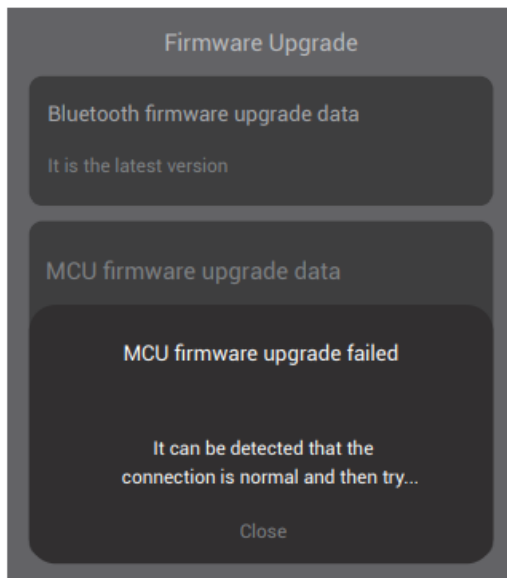


Note:

1. The app can be used directly on the firstly installed device (smartphone or iPad). When change to other mobile device (smartphone or iPad), the light shall be reset before the normal connection of the app.
2. The app should be version 3.0 or above.

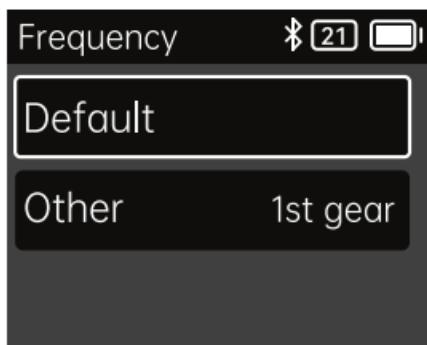
“GODOX Light” app Firmware Upgrade

Open Godox Light, enter a certain scene and click “” to add a fixture, then click to display more settings, choose firmware upgrade.



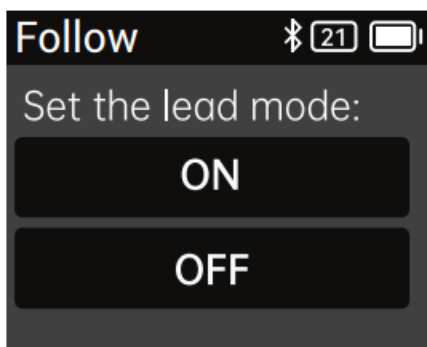
Frequency

Press the SET button to enter frequency settings, rotate and press the SET button to adjust to default or other mode (1st-5th gear).



Follow

Press the SET button to enter follow settings, rotate and press the SET button to adjust to lead mode.



Note: The DMX mode of the device under control is 03: Ultimate 8 Bit by default in lead mode.

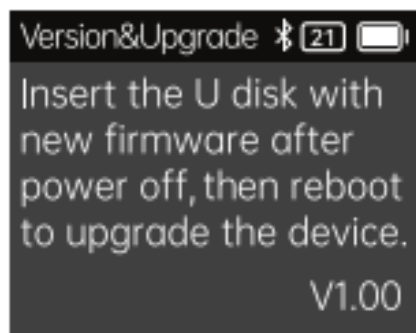
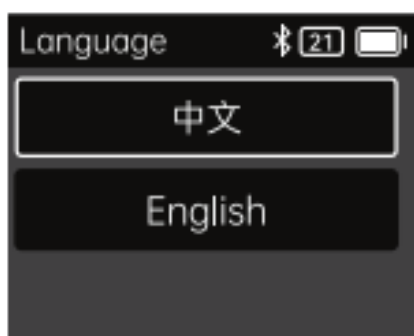
Display

Press the SET button to enter display settings, rotate and press the SET button to adjust the display brightness from 10% to 100%.



Language

Press the SET button to enter language settings, rotate and press the SET button to select between simplified Chinese and English.



Firmware Upgrade via U Disk

1. Download the new firmware to the U disk from official website (<https://www.godox.com/firmware-continuous-light>).
2. Turn off the device. Insert the U disk with new firmware into the USB-A port.
3. Turn on the device, and it will automatically enter the upgrading interface.

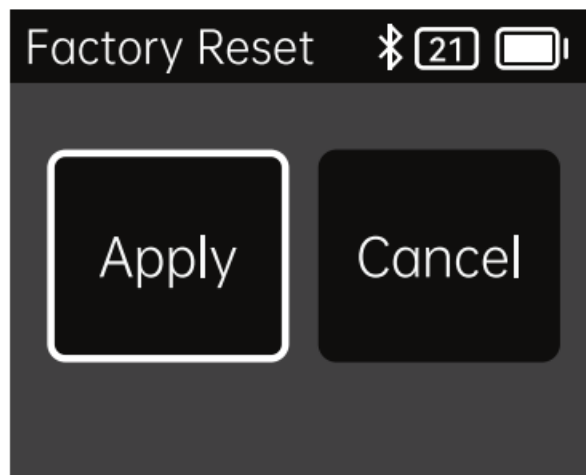
4. It will return to main interface after completion.

Notes:

1. New firmware must be downloaded from the official website, and keep only one BIN file in the root directory of the USB disk.
2. The USB-A port can only support output voltage and current of 5V 1.5A. Do not connect to over-rated USB device.
3. The USB-A port is only available for controller AD00-01. For controller AD00-02, please upgrade in the "Godox Light" app.

Factory Reset

Press the SET button to enter factory reset interface to choose apply or cancel.



Fixture Info


Press the SET button to enter fixture info interface to check the product basic information.

Technical Data

Adjustable Diffusion

Model	AD21-01	AD32-01	AD33-01
AC Input	0V-28V 1.8W	0V-28V 3W	0V-28V 4.5W
Dimension≈	17.76"*23.7"	25.04"*36.42"	41.46"*39.61"
Net Weight≈	0.25kg	0.5kg	0.8kg

Controller

Model	AD00-01	AD00-02
USB-C Port	Input:12V-20V  12W	Input:5V 2A
AC Output Port	Output:0V-28V	Output:0V-28V
USB-A Port	Firmware Upgrade/5V 1.5APower Supply	No USB-A Port
Controlling Methods	Wireless or wired DMX/RDM, CRMX, Bluetooth, controller control	Wired DMX/RDM, Bluetooth, controller control
Bluetooth Controlling Distance	30m	30m
Working Environment Temperature	-20°C 45°C	-20°C 45°C
Dimension≈	3.27"*1.81"*5.91"	1.97"*1.42"*7.28"
Net Weight≈	259g	160g

Specifications and data may subject to changes without notice.

FCC Caution

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

AD00-01: Operating frequency:2402MHz – 2480MHz (BT)/2402MHz – 2480MHz (CRMX) Maximum EIRP Power:5dBm(BT)/5dBm(CRMX) AD00-02: Operating frequency:2402MHz – 2480MHz (BT) Maximum EIRP

Power: 5dBm(BT)

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.

Frequently Asked Questions

- **Q: Can the product be used in wet conditions?**

A: No, the product is not waterproof. Avoid using it in rainy or humid environments to prevent damage.


- **Q: How should I power the product?**

A: You can power the product using AC, USB-C, or D-TAP based on your setup requirements.

- **Q: What are the available connectivity options?**

A: The product supports DMX and CRMX connectivity for advanced lighting control.

Documents / Resources

	<p>Godox AD21 Adjustable Diffusion [pdf] Instruction Manual AD21, AD32, AD33, AD21 Adjustable Diffusion, AD21, Adjustable Diffusion, Diffusion</p>
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References

-  [GODOX Photo Equipment Co.,Ltd.](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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