



SNORE CIRCLE



Please scan the QR code to  
download SnoreCircle application.

## FCC Caution

§ 15.19 Labelling requirements. 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.

## § 15.21 Information to user.

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

## § 15.105 Information to the user.

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.

### \* RF warning for Portable device:

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

English Product Instruction 01~12  
中文产品说明书 13~26

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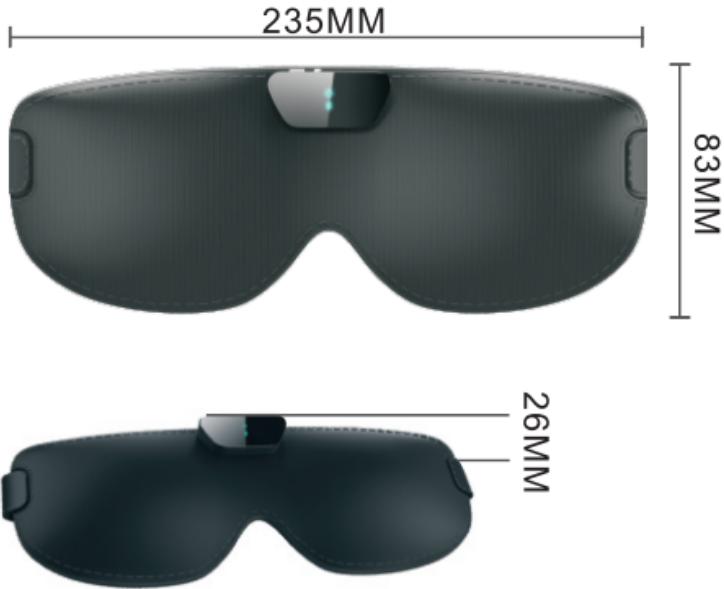
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## 1

# PRODUCT OVERVIEW and COMPONENTS

The fourth generation Yunzhongfei VVFLY SnoreCircle is an intelligent wearable consumer product, which provides a better sleep and quality of life.

## Schematic Specification



## Package components

- Eye mask X 1 (approximately 38 g per device)
- Instruction manual X 1
- Charging/data-transferring micro-USB line X 1 (port applicable with Android's line)

## 2

## POWER and BATTERY

### Power on

Switch the knob to ON to start the power. After turning on, the Bluetooth indicator will flash for 10 seconds. The flash disappears if it fails to connect with your phone. After checking the power indicator remains green, please wear the eye mask and lie down to rest. To keep others sleep well preventing from light bothering, the power LED will turn out automatically.



Switch the knob to ON

To self-test if the product works properly:

After turning on the product and wearing it, continuously imitate a snoring sound in a quiet environment and you will feel a weak vibration.

### Power off

Switch the knob to OFF to shut down. And all the indicator lights will turn out.

## Battery display

While the product is powered on, simply press the FUNC button to confirm battery level by checking the power LED light color.

1) Power light in red means low battery, please recharge it.



2) Power light in green means sufficient battery.



3) You can get battery remaining percentage through connecting with SnoreCircle App on your smart phone.

## Concerns about battery

- 1) The rechargeable built-in lithium battery can be charged through phone chargers, portable chargers and computer-connecting USB.
- 2) It can be fully charged in two hours. After charging, it lasts for two nights. We suggest those heavy snorers charge it every day.
- 3) Once it's fully charged, the power indicator remains green.

### 3

## WEARING GUIDE

- 1) Once the product is powered on, wear it properly according to the following instruction.
- 2) Make sure the main unit is closely put to your forehead.

Closely put the main unit to your forehead.



### Technical hint

If the product is not worn properly, it would affect the precision of snore recognition and physical intervention. Therefore, we recommend wearing the product according to our instruction.

## 4

## WORKING PRINCIPLE

- A) The product precisely detects and identifies snore sounds through bone-conducted technology.
- B) Once the snore is recognized, our intelligent product delivers physical intervention through 36-level of tiny vibration to sleeping users in a non-perceived manner.
- C) To see if this product improves your sleep, you can record and track the snoring sound or frequency through the product App, family observations, your own perception, recordings and so on to compare the changes.



## 5

## CONNECTING with APPLICATION

SnoreCircle App is applicable for

iOS system: iPhone 4S or later

Android system: 4.3 or later, with Bluetooth 4.0

How to download the App

iOS: Go to App Store and search for SnoreCircle

Android: Go to Google Play and search for SnoreCircle

scan the QR code to download



App features of SnoreCircle

- 1) View snoring times, intervention times , and snore-stopping rate
- 2) View quality of your sleep with detailed table, graph and chart
- 3) View historical snoring archive
- 4) Adjust the intensity and sensitivity of physical intervention, or activate the snore-stopping delay function to personalize the product.

## How to use the App

- 1) After the App is installed, turn on the Bluetooth on your smart phone and open the App. Meanwhile, make sure the product is powered on and press the FUNC button to start Bluetooth that will flash in blue light. Bind the product with your phone, then you can view your snoring and sleep quality through the App.
- 2) Based on individual's snoring severity and history, you need to set up your ideal working mode for the product. The default mode may not suitable for everyone. We recommend adjusting the mode for your own on the first few days of using the product.
- 3) For light sleepers, we recommend not to give physical intervention during your light sleep cycle. Through activating the snore-stopping delay function, the product does not interfere with your sleep.

## 6

## AFTER-SALES SERVICE

- 1) The warranty lasts for one year from the date of original purchase for the whole product.
- 2) Artificial damages are out of warranty.

We highly recommend an observation of the wearing for two weeks. It's about 10% users need to adapt to the product for overcoming the wakening-up and foreign body sensation.

## 7

## PRECAUTIONS

- 1) Use and store the product within specific temperature range, -10°C to 50°C. The extreme temperature may cause malfunction of the product.
- 2) Avoid put the product near heating sources, such as heaters, microwaves, or roasters.
- 3) Keep the product from heavily shock or vibration, it may damage the product.
- 4) Avoid cleaning the product with chemicals, detergents or water. Always keep it dry.
- 5) Please do not remove or replace the built-in lithium battery of the product. It may damage the product. Do not throw the product into fire, it may cause an explosion.
- 6) This is not a toy. Please place it in a proper location and keep it out of reach of children. Avoid mis-operation by children that may cause hazards.

## Battery

- 1) The product contains a rechargeable built-in lithium battery, which can be charged through phone chargers, portable chargers and computer-connecting USB.
- 2) It can be fully charged in two hours. After charging, it lasts for two nights. We suggest those heavy snorers charge it every day.
- 3) Once it's fully charged, the power indicator remains green light.
- 4) When the power indicator shows in red light, it means low battery. Please charge it before using it. Otherwise, it may shut down automatically.

## What if the product wakes me up?

Through App binding with the product by Bluetooth, you can adjust the working mode to moderate or low level of intensity and sensitivity. Meanwhile, you can activate the snore-stopping delay function to prevent intervention during your light sleep.

## How long does it take to have an effect?

We suggest you follow up weekly as an observation cycle to compare the snoring records, snoring times, snore sounds decibel and your own feelings.

## How to know if the product works properly?

- 1) Switch the power knob to ON.
- 2) After turning it on, please wear the product without shaking your head. Then continuously imitate a snoring sound for 10 seconds. If the product detects the snore, it delivers tiny vibration.
- 3) After wearing overnight, view the snoring result through the App. And you will know if it works properly.

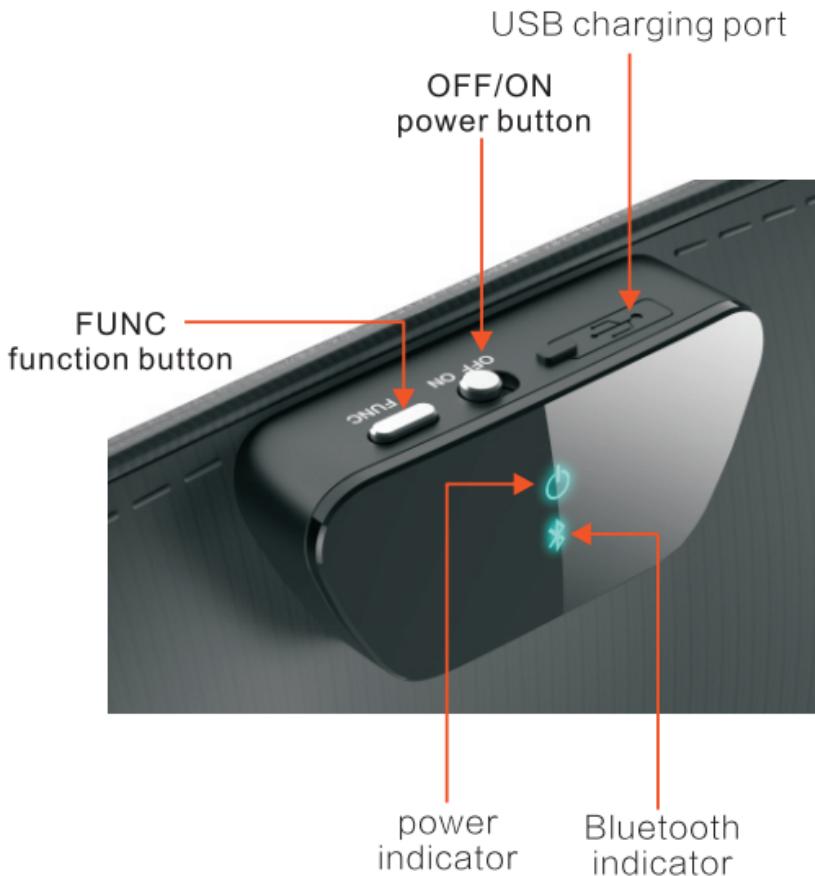
## Is it necessary to connect the product with phone all the time when using it?

The product can be used independently without connecting with your phone. The product collects and saves the data in the built-in CPU during your sleep. After you wake up, you simply synchronize it with the App to view data. Even if you don't use the APP, the product is allowed to work solely.

## How to charge the product?

There is a charging port next to the power knob. Uncap the seal-cover of the port and charge it with phone chargers, portable chargers or computer-connecting USB.

## Schematic of the functions



## 9 THE MANUFACTURER

Manufacturer:

Shenzhen Yunzhongfei VVFLY Electronics Co. Ltd.

Address:

Room 1310, Changhong Science and Technology  
Building, Southern District in High Tech Zone,  
518000 Nanshan District, Shenzhen, China

Service e-mail:

service@vvfly.cn

## 10 HAZARDOUS SUBSTANCE

According to the relevant provisions and requirements of "Electronic Information Products Pollution Control Regulations" of People's Republic of China, provide the following parts including the name of electronic products, toxic and harmful substances in the style.

Part name	Hazardous Substance					
	Pb	Hg	Cd	Cr6+	PBB	PBDE
Shell	O	O	O	O	O	O
Key component	O	O	O	O	O	O
Instructions	O	O	O	O	O	O
Battery	O	O	O	O	O	O
Earplugs	O	O	O	O	O	O

1. "O" Indicates that the content of the hazardous material in all homogeneous materials of the part is required by the standard of SJ/T11363-2006

2. "X" Indicates that the amount of the hazardous substance contained in at least one of the homogeneous materials in the part exceeds the limit specified in the standard of SJ/T11363-2006

### The safety period of the use of part of the environment

Component part	Safety period for environmental use
Smart snoring MASK	40

\* The lifespan in the above symbol is based on normal conditions of use (temperature / humidity)

product standard: Q/YZFD 002-2017

云中飞 SMART  
SNORE STOPPER



呼噜圈  
SNORE CIRCLE



扫描二维码，下载云中飞【呼噜圈】APP

# 快速指导

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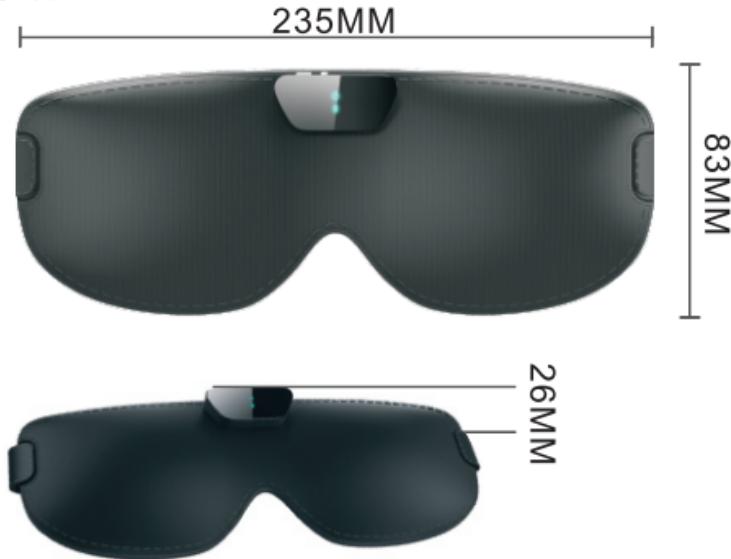
关注云中飞官方微信，观看产品完整使用视频，轻松学会用产品！

## 1

# 产品简介和参数

第四代云中飞呼噜圈鼾声伴侣是一款智能穿戴电子产品，希望我们的产品能帮助到您，给您带来健康优质的睡眠！

## 产品参数



## 产品配件

- 呼噜圈眼罩一个
- 产品说明书1份
- 充电数据线1条  
(产品可以和安卓手机数据线以及充电器通用)
- 产品重量约:38克

## 2 开关机和电池说明

### 开机状态

拨动电源开关键至ON档，产品即可开机，开机后，电源灯会亮，蓝牙灯会闪烁10秒（如果没有和手机连接，则会自动熄灭），当睡眠眼罩竖着放，电源灯会常亮，当佩戴好产品躺下休息，产品电源灯会自动熄灭，避免光线打扰到他人休息。



测试产品是否有正常工作的方法：

产品开机后，正确佩戴好产品，并【在安静的环境下】模拟鼾声，连续发出鼾声后，产品发出微弱的震动即表明产品在正常工作。

关机状态：

拨动电源开关键至OFF档，即可关机，关机后所有指示灯会熄灭；

## 电池电量判断

产品开机后，可以通过电源灯的颜色来判断电量是否充足，轻按产品功能键FUNC一次

1、电源灯红色，表示电量不足，需要及时充电；



2、电源灯绿色，表示电量充足，可以不用充电；



3、如果需要了解具体电量，可以通过连接手机APP《呼噜圈》软件进行查看。

电池常见问题：

1、本产品使用锂电池，可以反复充电使用，通过手机充电器、充电宝或电脑USB均可充电；

2、充电约2小时即可充满，充满后可以使用约2个晚上；（如果是打鼾严重的客户，耗电量较大建议每天充电）；

充满电后，电源灯会常亮。

### 3 产品佩戴方法

- 1.产品开机后，然后按照下面图示方法进行佩戴，请确保佩戴方式正确
- 2.确保止鼾主机贴紧额头。



#### 补充说明

产品如果没有正确佩戴，会直接影响产品对于鼾声识别的准确性以及物理干预后的使用效果，请在使用时确保按正确方法佩戴

## 4

## 工作原理介绍

- A、产品通过声音识别和骨传导技术精准识别鼾声；
- B、识别鼾声后，产品会通过微振动对使用者进行物理干预，总共有36个级别，智能干预，由弱到强；
- C、使用后，可以通过本产品APP或家人观察、自身感受、手机录音等方式对比使用产品前后鼾声大小和鼾声频次的变化；

如下图



## 5

# 呼噜圈APP使用说明

下载《呼噜圈》APP，目前支持的手机型号：

- 1 苹果手机：4S或以上机型；
- 2 安卓手机：4.3或以上系统版本，支持蓝牙4.0

下载方法：

- 1 苹果手机：在APP store 中搜索 呼噜圈 下载安装；
- 2 安卓手机：在腾讯应用宝、小米商城、360手机助手、华为商城、豌豆荚、安卓市场等搜索 呼噜圈 下载安装。

[扫描二维码下载软件](#)



## 呼噜圈APP功能介绍

- 1 查看打鼾次数，产品干预次数，成功率等；
- 2 查看睡眠质量，并进行统计分析；
- 3 查看打鼾历史数据；
- 4 设置产品的干预强度与灵敏度，使用延迟止鼾功能，调节产品至合适的模式。

## 软件的使用方法

1 下载软件，打开手机蓝牙，进入软件，同时打开产品蓝牙（产品开机后，按功能键FUNC一次即可打开产品蓝牙，蓝牙灯会闪烁），绑定设备，绑定成功后可以看到打鼾和睡眠数据；

2 由于每个人打鼾的严重程度和打鼾历史不一样，所以需要选择合适匹配的模式，默认的模式不一定适合所有人，可以在软件中找到产品的模式设置，然后进行相应的调节，建议在初期的2-3天作为适应调整期；

3 对于睡眠较浅的客户，为了避免产品在睡眠的初期进行干预打扰睡眠，可以通过《延迟止鼾》功能，在睡眠打鼾的初期暂不干预，此功能适合睡眠浅的客户。

## 6 售后服务说明

1 本产品自购买开始，整机享受1年保修服务；

2 人为损坏不在保修范围内。

建议：以两周作为观察周期，初期一周为适应期，10%客户会有一个适应过程，比如出现吵醒、有异物感等。

## 7 使用注意事项

1 请在正常范围内使用和存储本设备（-10度-50度），环境温度过高或过低会引发产品故障；

2 请勿将本设备靠近火源或者温度过高的地方（电暖器、微波炉、烤箱等）；

3 请勿使本设备受到强烈冲击或震动，避免设备损坏；

4 请勿使用化学制品、清洁剂等清洗设备，请保持产品干燥，勿用水直接清洗；

5 本设备内置锂电池，请勿自行拆卸或更换，以免损坏设备，不可将设备丢入火堆，以防爆炸；

6 本设备非玩具，请放置在合适位置，避免儿童误操作或导致其他危险。

### 电池问题

- 1 本产品使用锂电池，可反复使用，通过手机充电器、充电宝和电脑USB均可充电；
- 2 约2小时即可充满，充满后可以使用约2个晚上（实验室数据）（如果产品工作强度高，打鼾严重，建议一天一充）
- 3 充满电后，电源灯会常亮；
- 4 电量过低时，电源灯会显示红色，建议充满电后再使用，避免在晚上使用过程中，电量不足导致产品自动关机，影响使用效果。

### 产品吵醒我了，怎么办？

您可以通过蓝牙绑定呼噜圈设备，然后通过APP中的模式设置将产品的干预强度和灵敏度调至中档或低档位，同时打开《延迟止鼾》功能，打开后，在睡眠的初期不进行干预；

### 产品使用多久会有效？

建议以一周作为观察周期，对比使用前后鼾声的变化，以及自身的感受。

## 如何判定产品是否正常工作？

- 1 将产品的开关，拨动到ON状态。
- 2 佩戴产品后，在安静的环境下，不要摆动头部，模拟鼾声约10秒，如果感觉到产品有轻微震动，则表示产品在正常工作。
- 3 佩戴产品后，可以在第二天通过连接我们的APP，观察使用数据来判断产品的工作情况。

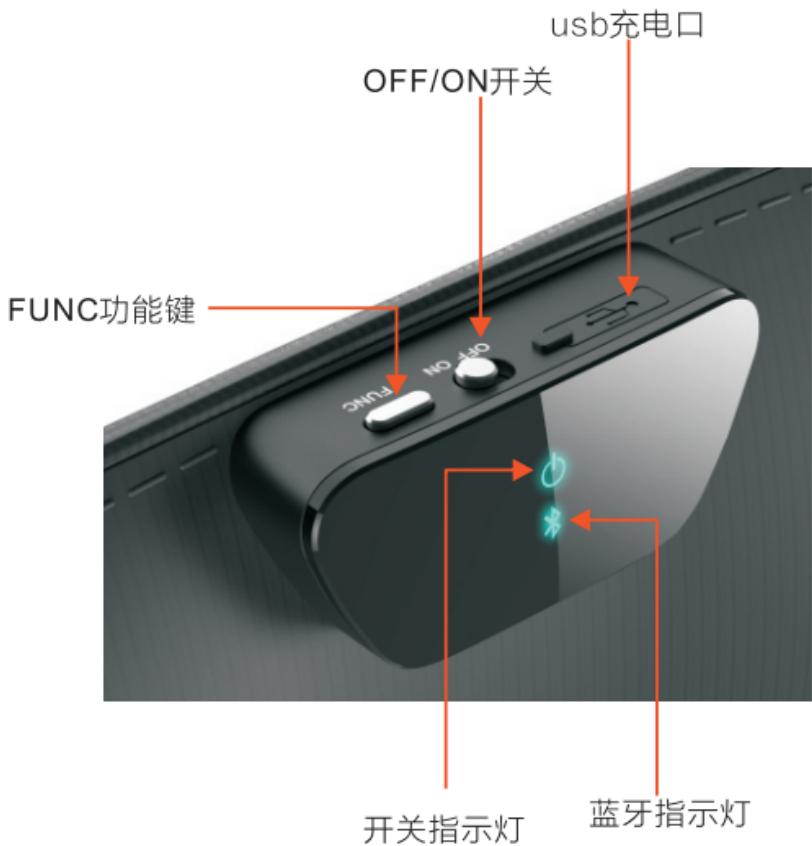
## 产品晚上使用需要和手机连接吗？

产品可以独立使用，晚上使用时不需要连接手机，产品会自动保存数据，使用后，第二天早上起来，再通过手机连接即可同步数据。（如果不会使用APP，单独使用产品即可）

## 如何给产品充电？

如下图，打开USB盖，按对应方向插入对应Micro USB充电头，通过USB线连接电脑，手机充电器或者充电宝，进行充电。

## 产品功能按键图示



## 9

## 生产厂家和联系方式

生产商：深圳市云中飞电子有限公司

地址：深圳市南山区科技园科技南十二路长虹  
大厦1310

客服电话：400-8058192

加盟代理邮箱：service@vvfly.cn

关注：云中飞官方微信（咨询微信人工客服）



## 10

## 有害有毒物质或元素声明

根据中华人民共和国《电子信息产品污染控制管理办法》的相关规定和要求，提供如下包括电子产品部分名称及有毒有害物质的样式。

部分名称	产品中有毒有害物质成分及含量					
	铅( Pb )	汞( Hg )	镉( Cd )	六价铬( Cr <sup>6+</sup> )	多溴联苯( PBB )	多溴联苯醚( PBDE )
外壳	○	○	○	○	○	○
按键组件	○	○	○	○	○	○
使用说明书	○	○	○	○	○	○
标准电池	○	○	○	○	○	○
海绵眼罩	○	○	○	○	○	○

1、“○”表示该有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006标准规定限量要求以下。

2、“X”表示该有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006标准规定的限量要求。

### 构成部分环境安全使用期限

构成部分	环境安全使用期限
鼾声伴侣	◎

\*上方标志中的使用期限以正常使用条件（温/湿度）为基准

产品执行标准：Q/YZFD 002-2017



SNORE CIRCLE