

lancube[®]

All-in-one //

Wireless Gaming Headset

with Adjustable RGB Light

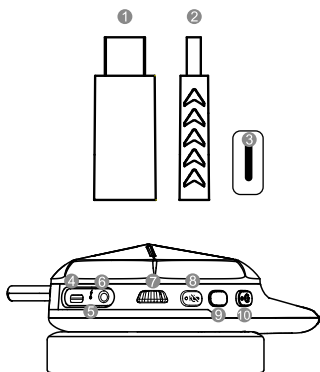


CE **FC** RoHS

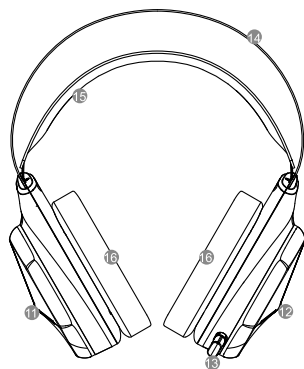
User Manual

Model: HC-A202F

Product appearance



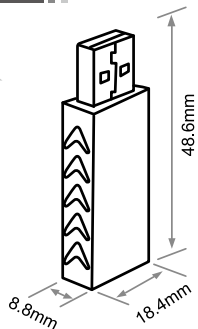
- ①/② Transmitter appearance
- ③ Transmitter working indicator
- ④ Type C charging port
- ⑤ Charging port indicator
- ⑥ 3.5 Audio port
- ⑦ Volume controller
- ⑧ Mute button (working indicator)
- ⑨ RGB mode selection button
- ⑩ Power button (working indicator)
- ⑪ RGB decorative lights



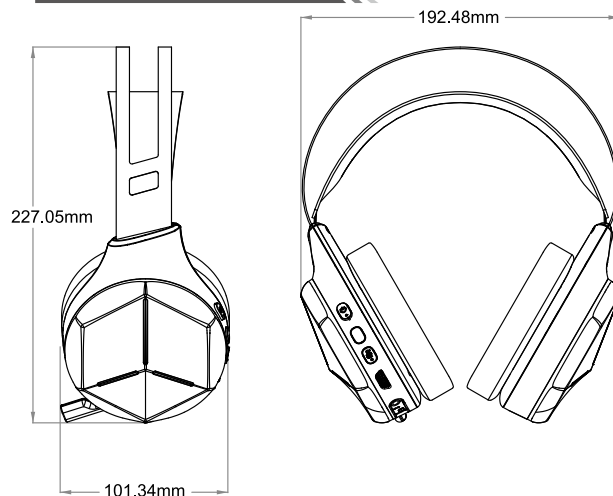
- ⑫ RGB decorative lights
- ⑬ Retractable microphone(MIC, indicator).
- ⑭ Steel headband
- ⑮ Suspension headband
- ⑯ Earmuffs

Product Size

Transmitter: 48.6mm x 18.4mm x 8.8mm



Headset: 227.05mm x 192.48mm x 101.34mm



Product Introduction

Compatible Platforms

Switch/Switch Lite/Switch OLED/Mac/Mobile/PS5/PS4/PC

2.4G Wireless Communication

2.4G wireless gaming headset specially designed for PS/NS/ PC games, with digital wireless two-way ultra-long-distance transmission technology, 360° unobstructed $\geq 10\text{M}$ effective distance transmission, with good network coverage, can ensure the device can be received signals in every corner of the room; 20ms ultra-low delay transmission signal, making chat/listening in the game smoother; built-in driver-free USB sound card in the transmitter, digital sound quality decoding system, game background and friends voice are all processed and amplified and sent out from the headset. Real-time call sound is superimposed on stereo game sound. The headset has the game background, the volume of the chat, and the microphone mute, which is simple and easy to use.

Bluetooth wireless communication

This product Bluetooth is version 5.0, compatible with most of the smart phones on the market, computers (old computers need to be equipped with a Bluetooth adapter) it with Bluetooth play music and call function.

Composite membrane diaphragm

The driver unit adopts 50mm high-quality composite membrane diaphragm and neodymium magnet system, which has been repeatedly tested and modulated by the industry's authoritative B&K tester and professional acoustic engineers, to create a superior sound quality. The smooth frequency response and nearly non-stained performance are the best companions for classic HI-FI music. Accurate sound field positioning, ultra-high sound reproduction, full bass, strong stereo, wide range, crisp and bright mid-range and high pitch, enjoy high-quality music.

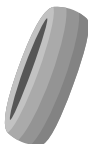


Low-impedance speaker

The low-impedance speaker design can not only easily match MP3, CD, iPod and other players, but also a good partner for laptop listening, allowing you to better enjoy wonderful music

Skin-friendly earmuffs

Imitated high-protein leather earmuffs, with a full-wrapped outer ear design, not only comfortable to wear, but also effective to isolate external noise interference, bringing you a better listening environment.

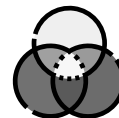


High manganese steel head bow

The head bow is made of high-strength, impact-resistant, high-manganese steel material. It has good toughness and a strong tendency to work hardening. It shows superior wear resistance and bending resistance under impact conditions adapting to different game players head shapes, it is more comfortable to wear; The surface is sprayed with baking paint, the appearance is more beautiful, and the paint is not easy to fall off when worn for a long time.

RGB Lighting Design

The MCU chip in the headset uses a unique algorithm to control the RGB lighting color, presenting a variety of lighting effects, more fashionable and technological, through the button on the headset to turn off and turn on the light power to meet the different requirements of players.



Retractable Microphone

HD chat microphone, the microphone rod is designed with a retractable storage type, to make it more convenient for users.

One-click mute

Humanized microphone mute function; one-click microphone mute chat to protect privacy.

Function Introduction

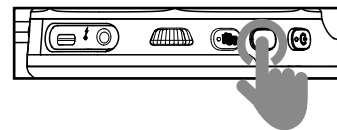
●Headphones:

►Power button :

◎Turn on and off: long press the power button for 3 seconds to turn on (The default 2.4G working mode), the indicator flashes blue light with a prompt sound; long press the power button for 3 seconds and then turn off, the red light flashes 3 times and then goes out with a prompt.

◎Mode switching: long press the power button for 3 seconds and then turn it on; the default 2.4G working mode; if you need to switch to Bluetooth mode, double-click the power button to switch, the red and blue lights flash alternately.

◎Play/Pause: When working in 2.4G or Bluetooth mode, you can control music playback and pause by short pressing the power button (note: there must be any sound transmitted to the headset to activate before the operation can be initiated)



Headphones

►RGB Mode button:

In the boot state; by pressing the RGB light mode button, can be display of different light colors,

→Red → Green → Blue → Grass Green → Purple → Light Blue → Cyan → Breathing Rainbow Light Mode; Quickly press the mode button twice to turn off the decorative lights.

►Mute button:

◎2.4G mode work: When the sound comes out after the transmitter is turned on, press the mute button, the mute button light and the telescopic microphone rod will in red light , and the indicator light on the transmitter will change from blue to red, and the microphone will be muted; press the mute button again, the red light is off, and the microphone call function is restored (note: any sound must be transmitted to the headset to activate the operation to start).

◎Bluetooth mode work: When the device is turned on and there is a sound coming out, press the mute button, the mute button light and the telescopic microphone rod will in red light, and the indicator light on the transmitter will change from blue to red, and the microphone will be muted. ; Press the mute button again, the red light is off, and the microphone call function is restored (note: any sound must be transmitted to the headset to activate the operation to start).

◎Voice assistant: When working in Bluetooth mode, double-click the mute button to wake up the voice assistant.

►Charging :

When charging, the indicator light next to the charging port lights up red; when fully charged, the red light turn off.

●Transmitter:

◎ Pairing Successful: When plugged into the USB port , the blue light flashes to indicate the search device, and the blue light is on to indicate that the pairing is successful.

◎ Pairing timeout: The blue light flashes to search for the device after power-on, and the search device is not paired successfully after 10 minutes, and the blue light is off.

◎ Indicator light: When sound is transmitted to the headset, when the headset presses the mute button, the transmitter lights in red and the microphone is silent; when the headset is pressed again, the transmitter red light turns back to the blue light, and the microphone call function is restored..

Battery capacity:650 mAh, lithium polymer battery	Working voltage: 3.7V
No RGB lamp working current: 23MA	On RGB lamp working current: 27-49MA
Charging voltage/current: 5V/500MA	Charging time: 1.5 hours
Continuous working time: 15 hours	Working distance: 10 meters
Frequency range: 2.400-2.483 GHz	Bluetooth version:V5.0
Bluetooth supports audio format: SBC	Bluetooth device name: Wireless Stereo Headset
2.4G mode transmission delay: 20ms	Support audio signal input: 2.4G + Bluetooth + 3.5mm four-section audio plug
Output maximum power:10mW	MIC sensitivity: -38dB
MIC output impedance: 2.2 K Ω (max).at 1KHz	MIC Directionality: Omnidirectional
Speaker impedance:16 ohm $\pm$ 15% at 1kHz	Speaker magnetic circuit form: internal magnetism
Speaker diameter : Φ 50mm	Monomer: dynamic type
Diaphragm Material: Composite Membrane	Speaker maximum power:30mW
Sensitivity: 102 $\pm$ 3dB/1KHz	Frequency Response Range : 20~20KHz
RGB light control mode: touch switch control	Volume control: Unboxed encoder
Microphone mute mode: touch switch control with LED indicator.	
Low-power alarm: The red light flashes and there is an prompt tone.	
Material: ABS+ hardware	

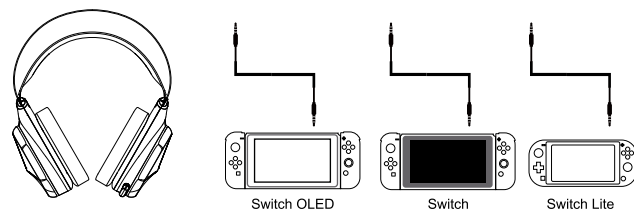
2.4G RF Transmitter

Working voltage: USB 5V	Working current: 30mA
Frequency range: 2.4-2.483 GHz	Working distance: 10 meters
Device name: Wireless Stereo Headset	Material: ABS

●Switch/Switch OLED/Switch Lite:

▶3.5 Audio Mode

- The headphones do;t need to turn on, using a dual-ended 3.5mm audio plug cable to connect the Switch/Switch Lite console headphone jack.
- (Note: Separately connected 3.5MM plug cable headphones are no RGB light function)



▶2.4G communication mode

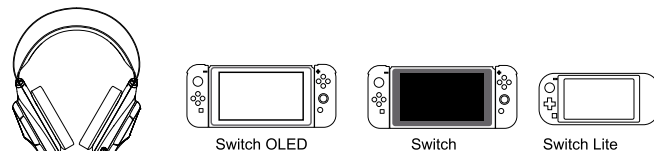
Use the transmitter to plug into the USB port of the original base, and the blue light flashes; long press the power button of the headset for 3 seconds to turn on, the blue light of the headset and transmitter will be on, indicating that the pairing is successful; you can use it.



▶Bluetooth communication mode

(Note: Switch/Switch OLED/Switch Lite device must be upgraded to version 13:00 or above to use Bluetooth function). :

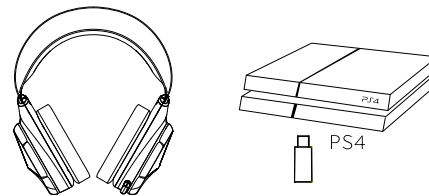
- Press and hold the headset power button for 3 seconds to power on, and then press twice again to go to bluetooth mode, the headset power Key red/blue flashes to indicate that bluetooth is searching for the device.
- Open the Switch/Switch OLED/Switch Lite device, click "Settings" in the main interface, slide down to "Bluetooth Audio", click "Add" to select the Bluetooth headset device. Find the Bluetooth headset device "Wireless Stereo Headset"to pair, and you can use it after successful connection.



●PS4:

▶2.4G Communication Mode :

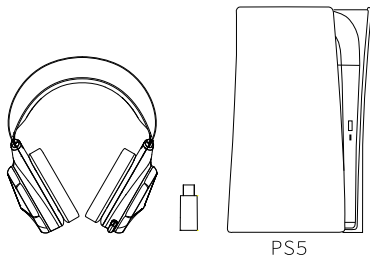
- Plug the transmitter into the PS4 console USB port and the transmitter LED flashes blue.
- Long press the headphone power button for 3 seconds to turn on, the headphones' power button and transmitter indicator light blue light is on, indicating successful pairing.
- Next, the main interface enters the Settings menu. Once the settings menu opens, scroll down and select "Peripherals".
- Once you arrive, you need to select "Audio Device", select "Wireless Stereo Headset"on the input device, scroll down and select the "Output to Headphones" tab. Select All Audio.



●PS5:

►2.4G communication mode

- ⊙ Using the transmitter plugged into the PS5 console USB port, the transmitter LED flashes blue.
- ⊙ Long press the headphone power button for 3 seconds to turn on, the headphone power button and transmitter indicator light blue light is on, indicating successful pairing.
- ⊙ Go to the "Settings" menu on the main interface. Once the settings menu opens, scroll down and select "Sound".
- ⊙ Once you arrive, you need to select "Wireless Stereo Headset" in "Microphone", scroll down "Audio Output" and select "Wireless Stereo Headset".

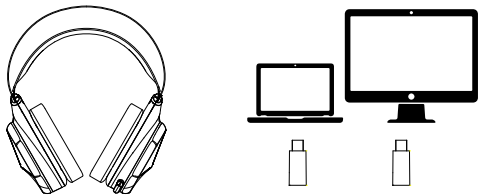


PS5

●Mac:

►2.4G Communication Mode :

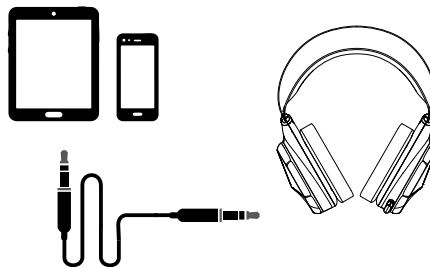
- ⊙ Using the transmitter plugged into the USB port of the Mac console, the transmitter LED flashes blue.
- ⊙ Long press the headphone power button for 3 seconds to turn on, the headphone power button and transmitter indicator light blue light is on, indicating successful pairing.



●Mobile Devices:

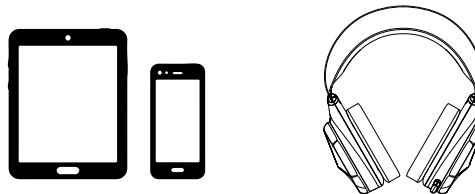
►3.5 Audio Mode

- ⊙ The headphones do not need to be powered on, using a dual-ended 3.5mm audio plug cable to connect to the headphone jack of your mobile device.
- ⊙ (Note: Separately connected 3.5MM plug cable headphones are not RGB light function)



►Bluetooth communication mode :

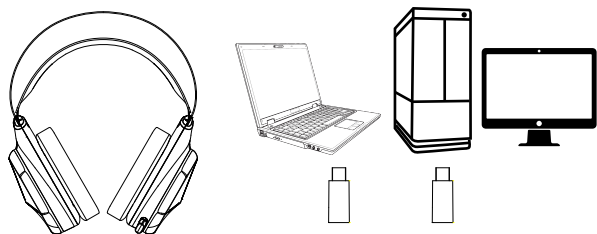
- ⊙ Long press the headphone power button for 3 seconds to turn on, and then press twice again to go to Bluetooth mode, and the headset power button flashes red/blue to indicate that Bluetooth is searching for the device.
- ⊙ Open the Bluetooth settings of the phone, find the Bluetooth headset device "Wireless Stereo Headset" in the main interface to pair, and you can use it after the connection is successful.



•PC:

►2.4 Communication Mode :

- ⊙ Plug the transmitter into the P-C console USB port and the transmitter LED flashes blue.
- ⊙ Long press the headphone power button for 3 seconds to turn on, and the power button and transmitter indicator light are on, indicating that the pairing is successful; it can be used.
- ⊙ If there is silent playback or silent chat (take Windows 10 system as an example), then enter the "Settings" menu on the PC console interface; after the setting menu opens, and select "System" sound, click the "Sound" option on the left, find "Wireless Stereo Headset" in the "Select output device " and select it.
- ⊙ In the "Select Input Device" tab, select microphone "Wireless Stereo Headset" and select it.

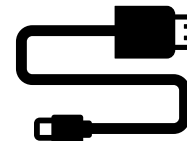


►packing list

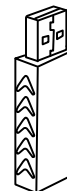
- 3.5mm audio plug cableX1



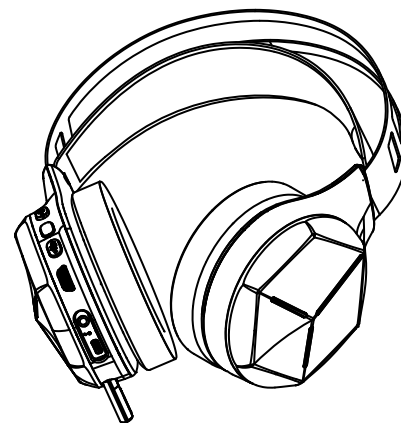
- USB-CX1

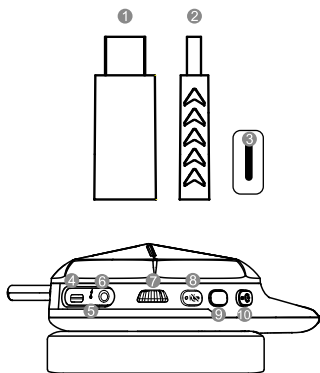


- transmitterX1



- HeadsetX1

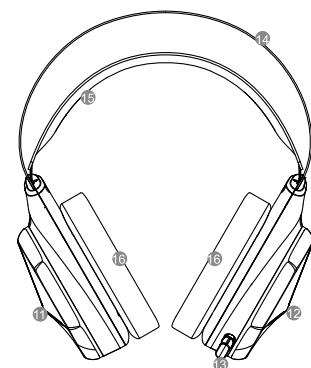
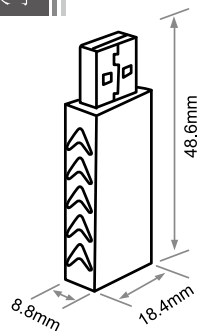




- ①发射器正面
- ②发射器侧面
- ③发射器工作指示灯
- ④Type C充电口
- ⑤充电口指示灯
- ⑥3.5音频口
- ⑦音量调节编码器
- ⑧咪静音键（工作指示灯）
- ⑨RGB模式键
- ⑩电源键（工作指示灯）

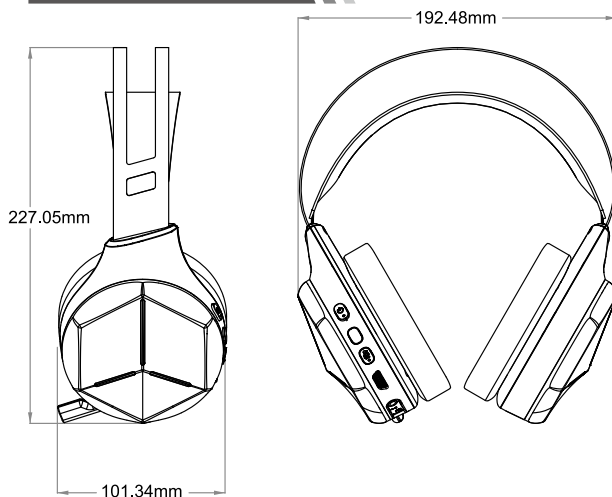
产品尺寸

发射器：48.6mm x 18.4mm x 8.8mm



- ⑪RGB装饰灯
- ⑫RGB装饰灯
- ⑬伸缩式咪杆（MIC、指示灯）
- ⑭钢条
- ⑮头戴护套
- ⑯左右耳套

耳机：227.05mm x 192.48mm x 101.34mm



产品简介

兼容平台

Switch/Switch Lite/Switch OLED/Mac/Mobile/PS5/PS4/PC

2.4G无线通讯

专为PS/NS/PC游戏设计的2.4G无线游戏耳机。数字无线双向超长距离传输技术 360°, 无阻碍≥10M有效距离传输, 具有良好的网络覆盖能力, 可确保房间中的每个角落都能接收到信号; 20ms的超低延时传输信号, 使在游戏中聊天/听声音更顺畅; 发射器内置免驱动USB声卡, 纯数字音质解码系统, 游戏背景和网络玩友的声音均经处理放大后从耳机发出, 实时通话声音叠加到立体声游戏声音中。耳机上有游戏背景、讲话聊天电子音量和咪静音轻触开, 操作简单, 使用方便。

蓝牙无线通讯

本产品蓝牙V5.0版本，兼容市面大多数智能手机、电脑（旧电脑需搭配蓝牙适配器）及其蓝牙播放音乐通话功能。

复合膜材料振膜

驱动单元采用50mm高质量复合膜振动膜片和钕磁体系统，通过业界权威的B&K测试仪以及专业的声学工程师反复测试与调制，打造出优越的音质效果。平滑的频率响应以及近于无音染的表现是经典HI-FI音乐的最佳伴侣。准确的声场定位、超高的声音还原度，低音饱满、立体感强劲、音域开阔、中高音清脆明亮，把音乐欣赏的质量推到了顶峰。

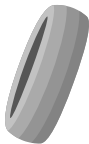


低阻喇叭

低阻抗的喇叭设计，不仅能轻松搭配MP3、CD、iPod等播放器，更是笔记本听音的好搭档，让您更好地欣赏美妙音乐。

亲肤全包大耳套

仿高蛋白质皮革耳套，采用环绕全包外耳式设计，不仅佩戴舒适，还能有效隔绝外界噪音干扰，给您带来更好的听音环境。

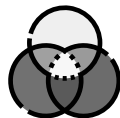


一体成型高锰钢头弓

头弓采用高强度抗冲击磨损的高锰钢材料，它具有很好的韧性和很强的加工硬化倾向，在冲击条件下显示出优越的耐磨性、抗弯曲能力，适应不同游戏玩家头型，佩戴更舒适；表面喷烤漆工艺，外形更美观，长久佩戴不易掉漆。

RGB灯光设计

耳机内采用独特算法的MCU芯片控制RGB灯光颜色，呈现多种灯光效果，更具时尚科技感，通过耳机上的按键进行关闭与打开灯光电源，满足不同玩家的要求。



麦克风

高清聊天麦克风，采用伸缩收纳式方式来设计咪杆，让使用者更方便。

一键静音

人性化的麦克风静音功能；一键麦克风静音聊天，保护隐私。

功能简介

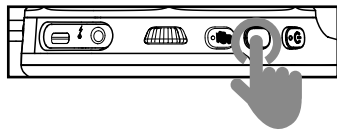
●耳机：

►电源按键

◎ 开关机：长按电源键3秒后开机（默认2.4G工作模式），指示灯蓝灯闪烁同时伴有提示音；长按电源键3秒后关机，红灯闪3次再熄灭同时伴有提示音。

◎ 双模切换：长按电源键3秒后开机后；默认2.4G工作模式；如需切换到蓝牙模式，双击电源按键切换，红灯交替闪烁。

◎ 播放/暂停：在2.4G或者蓝牙模式下工作时，通过短按电源按键可以控制音乐播放与暂停（注意：必须有任何声音传输到耳机激活，才能启动操作）。



►RGB模式按键

开机状态下；通过短按RGB灯光模式键
可以实现显示不同灯光颜色，→红→绿→蓝→草绿→紫→浅蓝→青蓝→呼吸彩虹灯模式；
快速短按两次模式键关闭装饰灯。

►静音按键

- ◎ 2.4G模式工作：开机回连发射器后有声音出来的状态下，按一下静音键，静音键灯光和伸缩咪杆亮红灯，同时发射器上面的指示灯跟着由蓝色变红色，咪通话禁声；再按一次静音键，红色灯灭，恢复咪通话功能（注意：必须有任何声音传输到耳机激活,才能启动操作）。
- ◎ 蓝牙模式工作：开机回连设备后有声音出来的状态下，按一下静音键，静音键灯光和伸缩咪杆亮红灯，同时发射器上面的指示灯跟着由蓝色变红色，咪通话禁声；再按一次静音键，红色灯灭，恢复咪通话功能（注意：必须有任何声音传输到耳机激活，才能启动操作）。
- ◎ 语音助手：在蓝牙模式工作时，双击静音按键，可以唤醒语音助手。

►充电：

充电时，充电口旁的指示灯亮红灯；满电时，红灯熄灭。

●发射器：

- ◎ 配对成功：插入USB端口上电时，蓝灯闪表示搜索设备，蓝灯长亮表示配对成功。
- ◎ 配对超时：上电后蓝灯闪搜索设备，10分钟后搜索设备未配对成功，蓝灯熄灭。
- ◎ 指示灯：在有声音传输到耳机时，耳机按静音键时，发射器上亮红灯，咪无声；再按耳机按静音键时，发射器红灯转回蓝灯，恢复咪通话功能。

耳机

电池容量：650 mAh，锂聚合物电池。	工作电压：3.7V
无RGB灯工作电流：23MA	开RGB灯工作电流：27-49MA
充电电压/电流：5V/500MA	充电时长：1.5小时
连续工作时间：15小时	工作距离：10米
频率范围：2.400-2.483 GHz	蓝牙版本：V5.0
蓝牙支持音频格式：SBC	蓝牙设备名：Wireless Stereo Headset
2.4G模式时传输延时：20ms	支持音源信号输入：2.4G模式+蓝牙模式+3.5mm四节音频插头
输出最大功率：10mW	MIC 灵敏度：-38dB
MIC输出阻抗：2.2 KΩ（max）.at 1KHz	MIC指向性：全指向
喇叭阻抗：16 ohm±15% at 1kHz	喇叭磁路形式:内磁
喇叭直径:Φ50mm	单体：动圈式
振膜材料：复合膜	喇叭最大功率：30mW
灵敏度：102±3dB/1KHz	频率响应范围：20～20KHz
RGB灯控制方式：轻触开关控制	音量控制：无档编码器
咪静音方式：轻触开关控制并带LED指示灯。	
低电报警：红灯闪烁，并有提示音。	
材质：ABS+五金	

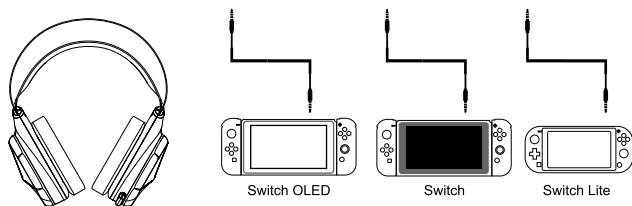
2.4G RF发射器

工作电压：USB 5V	工作电流：30mA
频率范围：2.4-2.483 GHz	工作距离：10米
设备名：Wireless Stereo Headset	材质：ABS

●Switch/Switch OLED/Switch Lite:

▶3. 5音频模式

- ◎ 耳机无需开机，使用双头3.5毫米音频插头线连接到Switch/Switch Lite主机耳机孔。
- ◎ (注：单独连接3.5MM插头线耳机是没有RGB灯光功能)



▶2. 4G通讯模式

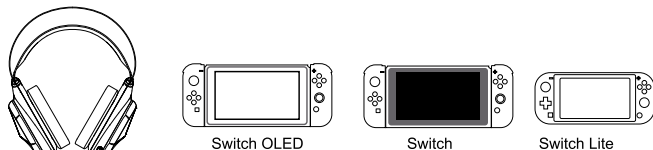
使用发射器插到原装底座USB口上，闪蓝灯；将耳机电源键长按3秒开机，耳机和发射器的指示灯蓝灯长亮，表示配对成功；即可使用。



▶蓝牙通讯模式

(注：Switch/Switch OLED/Switch Lite设备必须升级到13.00版本以上才能使用蓝牙功能)：

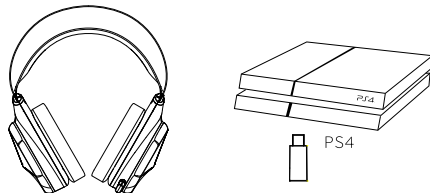
- ◎ 在耳机电源键上长按3秒开机，再短按两次转到蓝牙模式，耳机电源键红/蓝灯闪，表示蓝牙在搜索设备。
- ◎ 打开Switch/Switch OLED/Switch Lite设备，在主界面点进“设置”，下滑到“蓝牙音频”，点“添加”选择蓝牙耳机设备。找到蓝牙耳机设备“Wireless Stereo Headset”进行配对，连接成功后即可使用。



●PS4:

▶2. 4G通讯模式:

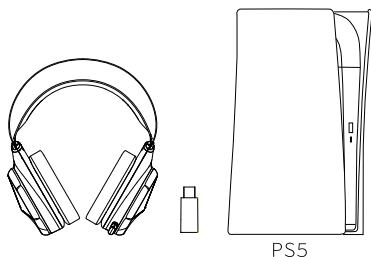
- ◎ 将发射器插到PS4主机USB口上，发射器指示灯闪蓝灯。
- ◎ 耳机电源键上长按3秒开机，耳机的电源键和发射器指示灯蓝灯长亮，表示配对成功。
- ◎ 接下来，主界面进入“设置”菜单。设置菜单打开后，向下滚动并选择“周边设备”。
- ◎ 到达后，您需要选择“音频设备”，在输入设备选择“Wireless Stereo Headset”，向下滚动并选择“输出到耳机”选项卡。选择“所有音频”。



●PS5:

►2. 4G通讯模式

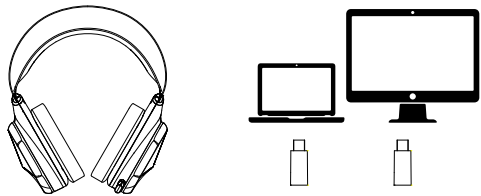
- ◎ 使用发射器插到PS5主机USB口上，发射器指示灯闪蓝灯。
- ◎ 在耳机电源键上长按3秒开机，耳机电源键和发射器指示灯蓝灯长亮，表示配对成功。
- ◎ 在主界面进入“设定”菜单。设置菜单打开后，向下滚动并选择“声音”。
- ◎ 到达后，您需要在“麦克风”选择“Wireless Stereo Headset”，向下滚动“音频输出”选择“Wireless Stereo Headset”。



●Mac:

►2. 4G通讯模式:

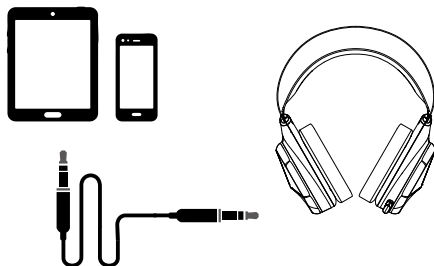
- ◎ 使用发射器插到Mac主机的USB口上，发射器指示灯闪蓝灯。
- ◎ 在耳机电源键上长按3秒开机，耳机电源键和发射器指示灯蓝灯长亮，表示配对成功。



●移动设备:

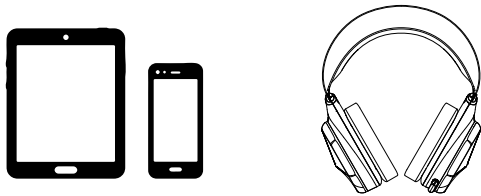
►3. 5音频模式:

- ◎ 耳机无须开机，使用双头3.5毫米音频插头电缆连接到移动设备的耳机孔。
- ◎ (注：单独连接3.5MM插头线耳机是没有RGB灯光功能)



►蓝牙通讯模式:

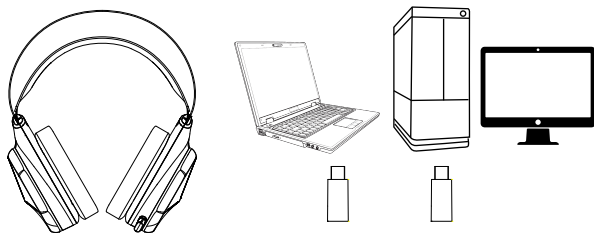
- ◎ 在耳机电源键上长按3秒开机，再短按两次转到蓝牙模式，耳机电源键红/蓝灯闪，表示蓝牙在搜索设备。
- ◎ 打开手机的蓝牙设置，在主界面找到蓝牙耳机设备“Wireless Stereo Headset”进行配对，连接成功后即可使用。



●PC:

▶2.4通讯模式:

- ◎ 将发射器插到PC主机USB口上，发射器指示灯闪蓝灯。
- ◎ 再将耳机上的电源键长按3秒开机，电源键和发射器指示灯长亮，表示配对成功；即可使用。
- ◎ 如果出现播放无声或者聊天无声（以Windows 10系统为例），那么在PC主机界面进入“设置”菜单；设置菜单打开后，并选择“系统”声音，单击左边“声音”选项，在“选择输出设备”选项里面找到扬声器“Wireless Stereo Headset”并选择中它。
- ◎ 在“选择输入设备”选项卡选择麦克风“Wireless Stereo Headset”并选择中它，那么现在可以使用了。



▶包装清单

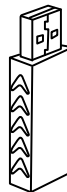
●3.5音频线X1



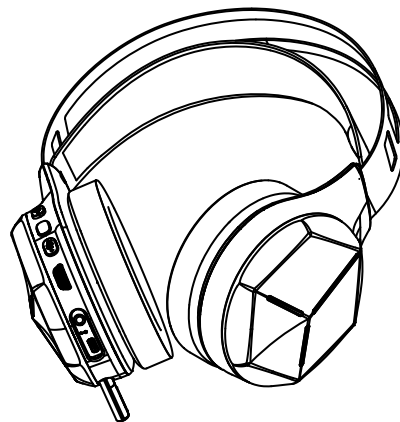
●USB-CX1



●发射器X1



●耳机X1



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.

Warning: 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.

RF warning statement:

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