



Product  
Information

## Features

- Bluetooth Stereo Headset, Compatible with most of Bluetooth devices.
- Bluetooth Version :V4.1+EDR
- 2.4GHz ISM Band, Modulation GFSK, RF range: 2.402 GHz – 2.480 GHz
- Transmit Power :Class 2
- Bluetooth Profiles: A2DP1.2, AVRCP1.4, HSP1.2, HFP1.6
- Long Distance: > 10m (Line of sight)
- NFC Quick connection
- Stereo Output: SPK16Ω 5mW×2
- frequency response: 20Hz-20kHz
- SNR: > 90dB
- Power Supply:Lithium polymer battery 3.7V 90mah
- Micro usb charge, Charging power: the power adapter DC 5V, 60mA.
- Charging time :1.5 hours
- Stand by Time up to 200hours
- Talk Time/Music time: up to 4 hours

## Headphones system speaker

ITEMS	SYMBOL	MIN	TYPE	MAX
Impedance	Ohm	13.6	16	18.4
Pressure	dB	99	102	105
Power rating	mW	*	8	10
Frequency range	Hz	20		20000
Distortion	%			1
Sound				

## MIC

	SYMBOL	MIN	TYPE	MAX
Sensitivity	dB	-43	-40	-37
Directivity				
Power rating	mW	*		
Frequency range	Hz	100		4000
SNR	dB	58		

# Headphones

ITEM	SPECIFICATIONS	TEST METHOD
1. Input Voltage	3V~4.2V	3V (low) 4.2V(hi)
2. Power Consumption	Less than 30mA	
3. Sensitivity	< 0.1% BER @ -90 dBm	
4. RF Output Power	0 dBm to 4 dBm	
5. Headphone Pressure	120±4	
6. Signal to Noise Ratio	More than 90dB	
7. Audio Frequency Response	20 to 20,000Hz (nominal)	
8. Output Power	8mW(4mW*2)	Load: 16Ω at 3.7V
9. Channel Separation	60 dB Nominal	At 1KHz
10. Distortion	Less than 2.0%	At:100Hz~1000Hz
11. Channel Balance	<3dB	
12. Auto Off time	3-5 minutes	No pairing
13. Receiving range	More then 10m	
14. Battery Lifespan	>4hours	At:Play music
15. Operating Temperature	-20 to + 60 °C	
16. Storage Temperature	-25 to + 65 °C	

## General Function

### Power On/ Off:

Under off mode, press POWER key for 1 seconds and turn it on.

Under on mode, press POWER key for 1 seconds and turn it off.

### Pairing:

Earphone device name: KSP

1. Earphone will into sleep mode when auto connection with mobile phone is failed. Earphone will auto connect with paired mobile phone.
2. Earphone will into sleep mode when with mobile phone is normal connection break. Earphone will auto connect with paired mobile phone.
3. If there is password requirement during pairing, please enter "0000"
4. Press Vol+ and Vol- button together to enter pairing mode.
5. If earphone doesn't pair with any mobile phone, under power off mode, please press POWER button for 3 seconds to enter pairing mode.

### **Connect:**

Connect with mobile phone

Power and Auto re-connection: Turn it on, the earphone will auto connect with the latest connected mobile phone.

Auto re-connection when back from out of distance: If mobile phone back from out of normal Bluetooth communication distance( $\leq 10$  meters) within 5 minutes, earphone will auto re-connection to this mobile phone. The earphone can be paired by another mobile when the earphone and paired mobile is out of Bluetooth communication distance.

Mobile phone connect with earphone: If earphone and mobile phone doesn't auto connect, you can press Vol+ and Vol- together for 3 seconds to enter pairing mode for manual connection. The device name is KSP, please select for connection.

### **Code Clearance:**

Press Vol+ and Vol- together for 10 seconds to clear the code.

## **Music Function**

### **Under music play mode**

Short press Vol+ to increase music volume

Short press Vol- to decrease music volume

Long press Vol+ for next song

Long press Vol- for previous song

Short press button K for music play and pause

## **Communication Function**

Make a call: Short press button K to decline the call

Call coming: Short press button K to answer the call

Double press button K to reject the call

Communication: Short press Vol+ to increase the call volume

Short press Vol- to decrease the call volume

(w/o Communication) : Short press button K to decline the call

(Under Communication) : Short press button K to end current call

(Change holding call as current call, the

function will depend on mobile function if support or not)

Double press button K to exchange holding call and current call

Third party call coming: Short press button K to end current call and pick up the third party call  
Long press button K to hold current call and pick up the third party call

## Low Power Alarm and Power Report

Low power alarm is set on 3.15V, and power off is set on 3.0V  
Short press Vol+ and Vol- together will report power volume

## Volume

There are 15 degree for music play and communication volume, volume will be memorized.

## NFC Function

Control by mobile phone. Turn on NFC and bluetooth function of mobile phone, take mobile phone near to the NFC area of earphone for pairing.

## Charging

Via micro USB for charging, DC 5V. Red light on means in charging, off means charging is completed.

Status	Sub-status	LED indicator	
		LED1 (Blue)	LED2 (Red)
Power off	--	OFF	--
Unconnected mode	--	1s ON/1s OFF	--
Pairing mode	--	0.1s ON/0.1s OFF	--
Connected mode		ON	--
Music play	--	ON	--
Communication mode	Make a call /Call coming	flash 3 times per second	--
	Communication	flash 2 times per second	--
Charging mode	LED2 light on, LED1 depends on current status		
Charging completed	LED2 light off, LED1 depends on current status		
Lowe power	LED2 will flash 1 time per 3 seconds, LED1 depends on current status		
Code clearance	LED1 and LED2 will flash 2 times together		

Status	Time	Action
Pairing timeout	5 minutes	Enter to disconnect mode
Re-connect timeout with mobile (under out of communication distance status)	5 minutes	Re-connection cancel
Dis-connection mode timeout	15 minutes	Auto power off

## Troubleshooting

### **My headphone does not work with my devices**

- (1)Please check whether the batteries have been used out.
- (2)Please check the headphone is paired with the Bluetooth device.
- (3)Please read “3.4.1 Pairing your headphone” for the operation explanation.

### **My headphone is not detected by the Bluetooth device**

Turn both your device and headphone off and on, and then repeat the pairing process according the operation explanation.

### **I could not enter the Pin code**

Turn both your device and headphone off and on, and then repeat the pairing process according to the operation explanation.Your Pin code, or passkey, is 0000.

### **I could not hear the playing song.**

- (1)Your headphone may out of range.Please move the headphone closer to the Bluetooth device.
- (2)The device player is paused, replay it again.
- (3)The volume is dropped to minimum, in the mute status. Press up the volume button to increase the volume.

## Precautions

- (1)It may impact your hearing when wearing the headphone with high volume or for long-time usage
- (2)Do not use and store the device in high temperature, high humidity and dusty places
- (3)Device at a place not reachable by children.
- (4)Do not drop off or hit with force, this will damage the internal circuit board
- (5)Do not place heavy object or apply pressure on the headphone, otherwise, it may be deformed in shape after long-time storage.
- (6)Using soft cloth for wiping when it gets dirty, do not wipe with chemical organic solvent
- (7)Dirtiness or dust on all kinds of plugs will impact the transmission quality of the audio source, please use soft cloth for clean wiping.

- (8) Do not use when it is stained by water until it has been completely dried.
- (9) The ear pad will be aged after long time storage of wearing.

## 安全警语

1. 处于充电状态时,请勿清洁本耳机.应先把耳机及充电器分开,再进行清洁.
2. 切勿强行打开本耳机的内置电池 此产品是不可更换电池,不可以把此产品扔进火里.
3. 驾驶时请先查阅汉地有关使用电话及耳机的法例. 使用本耳机时,必须保持集中,注意路面情况. 为阁下安全着想,请小心驾驶. 可考虑先把车辆停泊于路旁,再接听或拨打电话.
4. 切勿让儿童玩耍本耳机,细小的零件可能令儿童有窒息的危险.
5. 医院、爆破地点或潜在爆炸环境的地方,可能会要求用户关掉电子器材及无线电装置. 当进入特定范围内时请留意有关指示.
6. 登机前请先把耳机关掉,在飞机内不可使用本耳机. 是否改成(改成飛機起飛,巡航中或降落須關閉,因為藍芽通信在上情況不允許)
7. 为阁下听觉着想,请勿把音量调得太大.
8. 切勿试图对本耳机作任何修改.
9. 切勿把本耳机放置在洗手盘或其它潮湿的地方.
10. 切勿在雨中使用本耳机.
11. 切勿在强风时使用本耳机.
12. 本产品不具备高级防水功能,请尽量保持此产品干燥

## 联邦通信委员会 (FCC) 声明:

此产品已通过测试并符合 B 类电子设备的限制. 根据 FCC 规则的第 15 部分. 这些限制旨在在居家环境使用时提供合理的保护, 并防止有害干扰. 使用本产品会产生辐射调频能量. 如果不按照指示安装和使用, 可能对无线电通信造成干扰. 然而, 无法保证在特定的使用环境下不会发生干扰. 如果本产品在非特定的使用环境下造成干扰, 可以通过打开和关闭产品电源来确定. 用户可以尝试下列一个或多个措施来修正干扰:

1. 重新调整或放置接收天线.
2. 增加产品和接收器之间的距离.
3. 产品和接收器连接不同的电源插座.
4. 咨询经销商或有经验的无线电 / 电视技术人员的帮助.

本产品符合 FCC 规则第 15 部分. 操作符合以下两个状况:

1. 本装置可能不会造成干扰.
2. 本装置必须接受任何干扰, 包括可能导致意外操作的干扰.

## 根据交通部低功率电池辐射性电机管理办法规定(NCC):

第十二条 经型式认证合格之低功率射频电机非经许可公司,商号或使用者均不得擅自变更频率、加大功率或变更原设计之特性及功能。

第十四条 低功率射频电机之使用不得影响飞航安全及干扰合法通信:经发现有干扰现象时,应立即停用,并改善至无干扰时方提继续使用。前项合法通信,指依电信法规定作业之无线电通信。

低功率射频电机须忍受合法通信或工业、科学及医疗用电波辐射电机设备之干扰。

# Warning

1. When battery charging, do not clean the headset at the same time, it should be separate of the headphone and charger when clean of the headphone.
2. Do not open the built-in battery of the headphone. This product is a non-replaceable battery, and avoid to throwing into the fire.
4. Driver should check the user manual of the phones and headphone when using your device and pay attention to the road conditions for the safety. Suggestion is that pulling over , then answering or making a call.
5. Do not allow children to play with the headphone, if swallowing the small parts , it may cause a choking hazard to young children.
6. Some area like hospitals, blasting areas or potentially explosive environment , user maybe be required to turn off the electronic devices. When entering a specific area like the mention as above, please note the instructions carefully.
7. Before the plane taking off ,cruise or landing, please turn off the headphone due to Bluetooth connection being prohibited as the above conditions .
8. For the heath of your hearing function, please control the volume with careful.
9. Do not attempt to modify the design of this headphone.
10. Do not store your headphone under wet area or sink.
11. Do not use the headphone in the rain.
12. Do not use the headphone in strong wind.
13. This product does not have the high level waterproof function. Please keep this product dry.

# Federal Communication Commission Interference Statement

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. Shanghai Jiangxu Trade Co., Ltd. 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

## IMPORTANT NOTE:

### FCC Radiation Exposure Statement:

The product complies with the US portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

According to the rule of the Ministry of Transportation low-power battery radiation Management agreement (NCC):

From Article XII , the products after the qualified by the bureau , it should not change the frequency, increase the power or change the characteristics and functions of the original design.

From Article XIV, the low- power frequency device should not affect flight safety and interfere the legal communications system: When it happen to interfere above, the products should be immediately suspended, and fix to the none-interference status .

The mention of legal law, it refers to the radio communication of the Telecommunication agreement.

Low-power frequency device should be working under the interference of the legal communications system, industrial, scientific and medical areas.

Shaghai KSP Co.,Ltd  
Made in China