

Products Model	Product Name	Document NO.	Version	Effective Date
U8	Sport Bluetooth Headphone		V1.0	2016-8-16

# Bluetooth Headphone Specification

Compile : \_\_\_\_\_

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Approve: \_\_\_\_\_

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# 1 Product features and functions

## 1.1 Product features

1. Chipset: CSR BC8635

2. Bluetooth Version: V4.1+EDR

3. bluetooth protocol: A2DP v1.2, AVRCP v1.4, HFP v1.6, HSP v1.2, DI v1.3

4. wireless frequency range: 2.402GHz~2.483GHz

5. modulation system: GFSK,  $\pi/4$ -DQPSK, 8-DPSK

6. Operation Range: Class 2(10 meters, 33 inches)

7. Frequency Response Range: 20Hz~20KHz

8. Driver Diameter:  $\varnothing 10$  True copper ring

9. Microphone: 4015/-42dB

10. Battery Capacity: 100mAh Rechargeable Li-polymer battery

11. Charging time: about 2 hours

12. Charge Voltage: DC 5V

13. Playing time: about 6-8 hours

14. Talking time : about 6-8 hours

15. Standby time : Maximum 250 hours

16. Weight: 18.5g

17. Dimensions: 35.5\*14.7\*14.5mm

## 1.2 Product function

Play music

Answer calls

Last Number Redial

Power display

Connect two devices at the same time

Low Battery Alarm

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### 1.3 Application Fields

Personal digital attachment

### 1.4 operating instructions

#### 1.4.1 Power On

Press and hold the multi-function key for about 3 seconds to turn on the headset, the red indicator light and the blue indicator light flash alternately, the headset enters the pairing mode.

Such as Bluetooth headset and other equipment has been paired, the headset can automatically return to the device after power on.

#### 1.4.2 Power Off

Press the multi-function key for about 3 seconds, the red light will flashes 3 times and then extinguish, the headset into the shutdown mode.

#### 1.4.3 Answering calls

When the caller sounds a tone, or a ringtone, press the multi-function key to answer the call, or use the phone answer key to answer the call.

#### 1.4.4 Hang up

In the course of the call, press the multi-function key or use the phone answer key will hang up the phone.

#### 1.4.5 Last Number Redial

In the headset connection state, double-click the multi-function keys, you can achieve the last number redial.

#### 1.4.6 Reject call

Press the multi-function keys for 1 second, refused to answer the phone.

#### 1.4.7 Volume adjustment / up and down

Click the "+" key, the volume increases, long press + key, next song;

Click the "-" key, the volume decreases, long press - the key, the last song.

#### 1.4.8 Play / pause / answer

When playing a song, click the multi-function key to pause, and click again to play;

On the call, click the multi-function key to answer the call and click again will hang up.

#### 1.4.9 Headset charging

With DC5V to the Bluetooth headset charge, when charging the Bluetooth headset is display red indicator light, when full the light will change into blue.

#### 1.5.0 Headset reset

Press the multi-function key until the blue **indicator** light flashes three times when headset is charging, the headset have been clear the matching information (Reset)

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## 2 Product electrical characteristics

### 2.1 RF Features

Temperature +20℃

Radio characteristics, VDD=?V Temperature=+20℃						
	Frequency (GHz)	Min	Type	Max	Bluetooth Specification	unit
Sensitivity at 0.1% BER	2402				$\leq -90$	dBm
	2441					dBm
	2480					dBm
Maximum received signal at 0.1% BER	2402				$\geq -20$	dBm
	2441					dBm
	2480					dBm
RF transmit power	2402				-6 to +4	dBm
	2441					dBm
	2480					dBm
Initial carrier frequency tolerance	2402				$\pm 75$	KHz
	2441					KHz
	2480					KHz
20dB bandwidth for modulated carrier	2402				$\leq 1000$	KHz
	2441					KHz
	2480					KHz
Drift(single slot packet)	2402				$\leq 25$	KHz
	2441					KHz
	2480					KHz
Drift(five slot packet)	2402				$\leq 40$	KHz
	2441					KHz
	2480					KHz
Drift Rate	2402				20	KHz/ 50us

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### FCC caution:

This device complies with part 15 of the FCC rules and Industry Canada license-exempt rss standard(s). 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.

The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

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.