

Head-mounted Bluetooth Headset Manual

BH520



Product introduction :

Thank you very much for purchasing BH520 head-mounted Bluetooth headset. It is a Bluetooth headset with CSR8615-V4.0 high-quality Bluetooth chip as the core unit. Its transmission power level is Class2, and it is characterized by low power consumption and simple and fast matching. It supports the protocols HFPV1.6, HSPV1.2, A2DPV1.2, AVRCPV 1.4 and is applicable to Bluetooth phones from version from 1.1 to 4.1.

Product Characteristics :

- 1) BH520 shape design is lightweight and beautiful, meets the mechanical structure of the human body. It is comfortable to wear, especially suitable for long-time wearing.
- 2) BH520 is equipped with single-direction noise-proof microphone, can remove

filter the noise outside the range of 1 meter, and it is suitable for noisy environments.

- 3) BH520 can not only support the hands-free function of cell phones, but also let you enjoy wireless high-quality music. Also, it allows you to switch the functions between music and answering calls. When you are listening to music, you can receive or dial out calls from Bluetooth phones with the headset. After you hang up the phone, the music starts to play automatically.
- 4) The headset can be used to on the computer with supporting Bluetooth technology, , by which you can talk to other through network communications, such as QQ, Skype, MSN, Messenger, or Yahoo, Messenger, etc..

Product specifications:

Product No.: BH520

Bluetooth version: CSR8615-V4.1 CLASS2

Frequency range: 2.4GHz-2.480 GHz

Transmission distance : 10M (The transmission distance differs with environment factors and the Bluetooth device of mobile phone)

Work hours: 12 小时 12 hours

Standby time: 250 小时 250 hours

Support agreement: HFPV1.6, HSPV1.2, A2DPV1.2, AVRCPV1.4

Charging interface : Micro USB Battery Specification : Rechargeable lithium battery (3.7V ,180mAH)

Charging power supply: 5VDC,100-240V AC adapter

Power rating: 3MW

Sound track: Single track

Noise-signal ratio S/N: $\geq 30\text{DB}$

Frequency range: 20Hz-20KHz

Distortion factor THD: $\leq 1\%$

Speaker unit: external diameter 28mm

Microphone: one-direction noise-proof, impedance: $2.2\text{K}\Omega$; sensitivity: $40\pm 3\text{dB}$

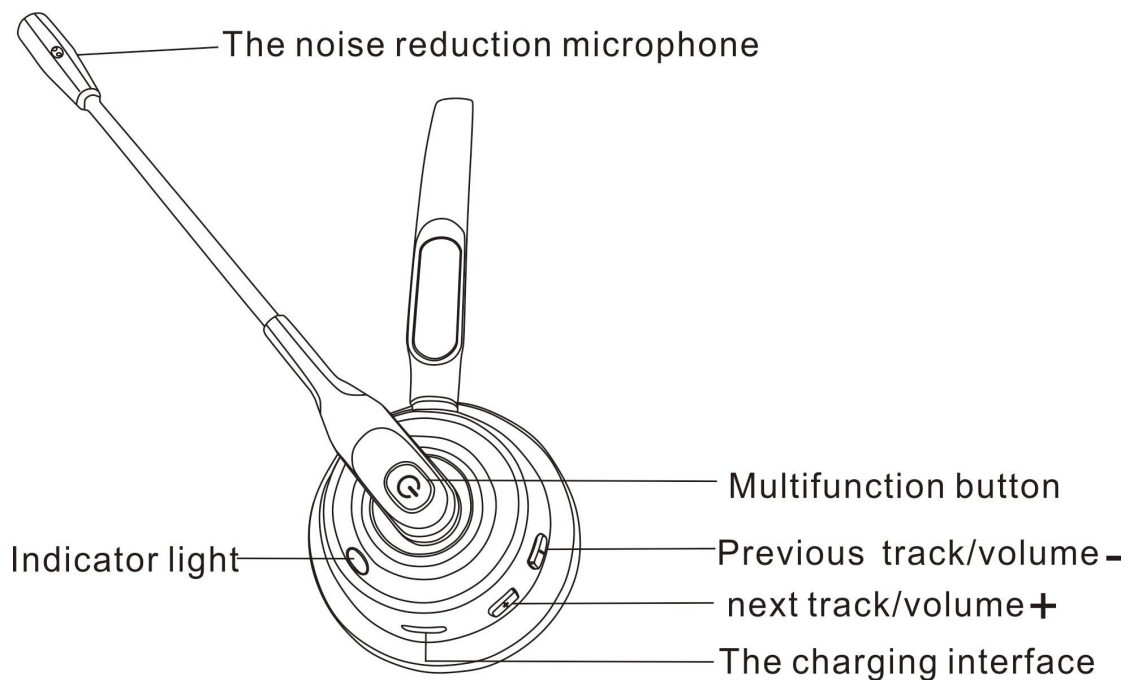
Using temperature: Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$

Humidity: $0\% \sim 85\% \text{RH}$

Storage environment: temperature: $-30^{\circ}\text{C} \sim 40^{\circ}\text{C}$

Humidity: $0\% \sim 90\% \text{RH}$

Diagram of product function:



Instructions on product operation:

1. Connection methods of Bluetooth devices:

- (1) Press the  on /off key for about two second, it is power-on, after the Bluetooth is started, the green light and red one flashes in turn, it enters the state of searching and matching, and is in the standby search status at the time.
- (2) It is to turn on the Bluetooth device settings(Bluetooth devices of different brands have different ways to turn on), it begins search, the Bluetooth device will find BH520, choose it and connect. If it needs to input password, please enter 0000, press the confirmation and wait. It will show that the connection with the Bluetooth device is successful, the headset will give a prompt tone, which means that the connection between Bluetooth device and headset has been linked. At the time, the green light flashes; the entire matching process takes about one minute (different Bluetooth devices has different matching time). In the first usage, it is to authenticate of Bluetooth devices and headset memory, and it doesn't need to match in the second time, the headset will automatically connect the latest-used device.
- (3) When it is connected successfully, it can choose songs and play on the Bluetooth device.

- (4) Hand-free function: If it is connecting with cell phones, when there is a call coming in, the headset will give a prompt tone, press the  on /off key for a short time, it can receive the call, and you can talk by the headset. When you are talking on the phone, press  on /off key for a short time, you can hang up the call, and press for a long time, you can reject the call.
- (5) Callback function: If it is connecting with cell phones, double click the  on /off key, you can call back the phone number you dialed last time. When the person answers the call, you can talk to him or her through the headset.
- (6) Bluetooth automatic connection function: after the Bluetooth connection is successful, when it is beyond the effective distance, you return to the distance, the Bluetooth headset will automatically connect!

2. Explanation on key function:

- (1) Press the  on /off key for two seconds, the headset is power-on.
- (2) The  key has the functions including play, pause and answer a call. In the Bluetooth mode (playing process), press the key for a short time, it enters the pause state, and press again for a short time, it is back to the playing state.
- (3) Pressing the + and – keys for a long time can adjust the voice volume.
- (4) Press the + key for a short time, it can switch the next song, and press the – key, it can switch the last one.
- (5) The microphone mute function: when the phone is in the state of talking, press the + and – keys for a short time, you will hear two prompt tones, like Du Du, it means the microphone is in the mute function. There is a prompt tone each 3 seconds in the mute process. Pressing the + and – keys for a short time, it will exit the mute state, and you can talk on the phone.
- (6) Low voltage alarm and automatic shutdown function: when the battery charge is lower than 10%, the red indicator light flashes of the headset, it should be timely charged the headset. When the battery is less than 3%, it will automatically shut down.

3. Shut down: When you are not using the headset, pressing the on/off keys for two seconds, it is shut down and avoids the power consumption.

4. State of indicators

- (1) In Bluetooth mode: the matching mode, the red light and the green one flash in turn.

In the connection mode, the green light flashes slowly.

- (2) Low-battery state: the red light flashes rapidly
- (3) Charging state: the red light is on.
- (4) Charging completion: the green light is on. (It takes two or three hours to charge fully.)

Matters needing attentions:

When the headset is unable to connect cell phones, please do the following operations,

1. Make sure the power of the battery is adequate and is on. It has been matched and established connection with the cell phone.
2. Make sure the Bluetooth function has been started.
3. Check the distance between the headset and the cell phone is over 10 meters, and whether there are walls, electronic devices or other obstacles between the both.
4. Bluetooth music device or the music devices using Bluetooth connector/Bluetooth stereo transmitter must support Bluetooth A2DP.AVRCP.
5. Some cell phones will not be opened to have the Bluetooth connection between music and talking, in that cause it causes the failure of switching music to call.

Instructions on using battery

The headset is powered by a rechargeable battery, the new one can reach the best performance after two or three times of charges and discharges. The performance of the battery will become poor after several hundred times of charges and discharges and become unusable eventually. When you are not charging, please cut off the connection with the headset. Please don't connect the battery with full power on the charging circuit, because the excessive charging will shorten the battery life. If the battery with full power is put idly, the batter will discharge in a period of time. If the headset is placed in too hot or cold places, like in the sealed card in summer and winter, the capacity and life of the battery will be reduced. In the too hot or cold places, the headset may not work, even the power is enough. When the temperature is below the zero, the performance of the battery will be restrained. Please don't throw the battery into water, so as to avoid the explosion of the battery. The Damaged batteries may explode.

FCC STATEMENT:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference, and

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.