

## **SH03B Stereo Bluetooth Headset Specification**

### **FCC ID:2AD2XSH03B**

#### **Basic Specifications**

- Size: 31×28×9mm
- Weight: 17.2g (Net Weight)
- Charging port: Micro USB
- Keys: 5 (MFB button, volume+ button, volume- button, backward button, forward button)
- Battery: Rechargeable lithium polymer battery 3.7V; 120mAh
- Charger output: 5V/0.5~1.0A
- Charge indicator: Red LED light (Charging) / Blue LED light (Charging completed)
- Standby time: about 200 hours
- Talk time: about 8 hours
- Music time: about 6 hours
- Charging time: about 2 hours
- Indicator for charge in working stage: Battery voltage lower than 3.3V (the stage of battery lower than 15%), there will be a warning tone; battery voltage lower than 3.1V (the stage of battery lower than 5%), the headset will power off directly.

#### **Speaker and MIC parameters**

- Speaker specifications / mode: Φ9mm
- Impedance: 32 Ω / typ
- Frequency(Hz): 20Hz~20KHz
- MIC Style: capacitive
- MIC sensitivity: -42±3dB

#### **Bluetooth Parameters**

- Bluetooth version: 4.1
- Support Profile: HSP, HFP, A2DP, AVRCP
- The remote control to speaker: MFB (Power ON / Power Off / Play / Pause); Vol+, Vol-, Previous song, Next song.
- Device Name: SH03B
- Pass: 0000

- RF transmitter: class II (-6dBm ~ +4 dBm)
- Receive sensitivity:-90dBm
- Transmission Range (Hz): 2.402GHz ~ 2.480GHz
- Transmission distance: 10m

## **Certifications (TBD)**

### **Mechanical Reliability**

- Button: 10 thousand times
- Charging Port (Micro USB) : plug 5000 times
- LED: luminance/light-leaking luminosity must remain the same

## **Operating Instructions**

### **Power On**

When the headset is off, press and hold the multi-function Button (MFB) for 2 seconds. The LED indicator will flash for one second in blue. At this time you will hear the words “Power ON” from the headset. The headset will be paired with the last connected Bluetooth device or mobile phone automatically when turned on.

### **Power Off**

When the headset is on, press and hold the MFB for 3 seconds. The LED indicator will flash once slowly in red. At this time, you will hear the words “Power Off” from the headset. The headset will disconnect from your phone devices when turned off.

### **Pairing Mode**

When the headset is off, press and hold MFB for 5 seconds until the LED indicator flashes red and blue in alternating colors. At this time, you will hear the words “Pairing” from the headset.

※ If you release the MFB before the headset goes into pairing mode, it will power on and connect with the last paired device. If you want to pair the headset with a new phone device, please power off the headset. or press the vol+ and vol- button concurrently to go into pairing mode again.

## **Easy connection function**

If the headset doesn't connect with any phones when it is on, you can enter into speed pairing mode by pressing the vol+ and vol- button concurrently and connect with your phone.

## **Answering calls**

If a call comes in when listening to music or headset is standing by, press the MFB to answer the incoming call. You will hear the words "Call Answered" from the speaker of the headset. If the music is playing, it will pause automatically during the call, the music will start playing automatically.

## **Reject Calls**

If a call comes in, press and hold the MFB button for 2 seconds to reject the incoming call. You will hear the words "Call Rejected" from the speaker of the headset.

## **End Calls**

Press the MFB to terminate when you finished your call, you will hear the words "Call Terminates".

## **Volume**

To adjust the volume when talking on the phone, press the vol+ and vol- to make volume do up and down. When you reach the max/min volume, you will hear a warning tone.

## **Last Number Redial**

When listening to music or headset is standing by, double click MFB to redial the last number. You will hear the words "Last Number Redial" from the speaker of the headset. If you are listening to music, it will pause automatically during the call.

## **Mute**

When talking on the phone, press and hold vol+ or vol- for 2 seconds to mute your phone. You will hear the caller, but the caller will not hear you. There will be a warning tone every 10 seconds, reminding you that you are in mute mode.

## **Quit Mute**

Press and hold vol+ or vol- for 2 seconds to exit mute mode.

## **Switching Between Your Mobile Phone and Headset**

When talking on the phone, double-click the MFB to switch the voice from your headset to your mobile phone. By double-click the MFB again, the voice will switch back to the headset. You will hear the reminding tone.

## **Reconnect**

When the headset is disconnected from your mobile phone, you will hear the words “Your headset is disconnected”. If you press the MFB, it will reconnect. You will hear the words “Your headset is connected” from the headset.

※ Some mobile phone may have a prompt screen, that will ask you if you would like to pair your device.

## **Voice-Command Dial**

If your mobile phone supports this function, press and hold vol+ or vol- for 2 seconds to activate voice command. You will hear “voice dial” from the headset. By re-pressing and re-holding vol+ or vol- for 2 seconds during the voice dial mode, voice dial will be canceled.

※ Please refer to the manual of your mobile phone for voice-command dial support.

## **Connect with 2 mobile phones**

- A. First disconnect the Bluetooth device from your phone if it is already connected.
- B. Press vol+ and vol- concurrently to put the headset in pairing mode.
- C. Turn on and search Bluetooth device on your second phone until you find “SH03B” and select to begin pairing.
- D. Please reconnect with your first mobile phone device.
- E. Now you should have two mobile phones connected with the headset.

## **Transfer Calls**

When you are talking on the phone and receive another incoming call, press the MFB for 2 seconds to reject the incoming call. If you click vol+ and vol- concurrently (with the reminding tone), you will answer the incoming call. Your first call will be placed on hold. When you click vol+ and vol- concurrently again, you will transfer back to your first call. You should hear a beep. During this time your second call will be placed on hold. You can also end the call by clicking the MFB.

## **Music Play Operating**

### **Music Play**

Operate on the phone or Click MFB of the headset. (Music will play automatically on some mobile phones when it connect with Bluetooth device)

### **Pause and Restart Music**

When listening to music, click MFB to pause music and click MFB again to restart music.

### **Volume**

To adjust the volume when listen music, press the V+ or V- to adjust the volume up or down.

When you reach the max/min volume, you will hear a warning tone.

### **Play Previous Song**

Press backward button.

### **Play Next Song**

Press forward button.

### **Fast forward**

Long press forward button.

### **Fast backward**

Long press backward button.

## **NFC:**

Make sure your mobile operating system is above Android 4.11 with NFC function.

Operating procedures as below:

- Open NFC function of the mobile phone
- Keep the backside of mobile phone(ensure the mobile screen is in the operating state) in touching the NFC position of the headset (ensure the headset is power off) for 2 seconds, you will hear the voice of powering on. At the same time, there will be a pop-up window on mobile phone: if connect with "SH03B",YES or NO, please do not select right now! Keep in this state, when you hear the warning voice again and the LED indicator flashes red and

blue in alternating colors, the headset enters into pairing mode, select “YES” on the phone, then connect with the speaker. It will be display on the phone if connect successfully. Please repeat above operation if failed.

- The next time you use the same headset, keep the backside of mobile phone in touching the NFC position of the headset, you can move the mobile phone away when you hearing the reminding tone from the headset, it is no need to keep in touching with the headset, it will connect with mobile phone automatically.
- If you want to disconnect the Bluetooth function, keep the backside of mobile phone in touching the NFC position of the headset, the headset will disconnect with the mobile phone. If you want to turn off the headset, keep the backside of mobile phone in touching the NFC position of the headset for about 6 seconds.

## LED Indicator Status

|                          |   |
|--------------------------|---|
| Charging                 | Red LED Light   |
| Charging Complete        | Blue LED light  |
| Power ON                 | Blue LED light flashes for one second   |
| Power Off                | Red LED light flashes once slowly   |
| Pairing Mode             | LED light flashes in red and blue alternately                                 |
| Power On (Not Connected) | Blue LED light flashes once every 2 seconds                                   |
| Power On (Connected)     | Blue LED light flashes twice every 2 seconds                                  |
| Power On (Talking)       | Blue LED light flashes twice every 3 seconds                                  |
| Power On (Dial Call)     | Blue LED light flashes continuously   |
| Power On (Incoming Call) | Blue LED light flashes continuously   |
| Power On (Play Music)    | Blue LED light flashes twice every 3 seconds                                  |
| Battery Low              | Red LED light flashes once every 20 seconds with reminding tone “battery low” |

### Notes:

It will turn off automatically after 5 minutes if without any connection with mobile phone when it turns on.

Pairing time: 3 minutes. It will quit the pairing mode automatically after 3 minutes if without any connection with mobile phone when it is in the state of pairing.

In addition, it can show the battery state on Apple devices.

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.

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.

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