

MS01B True Wireless Stereo Earphone

User Manual

---Version 20170212

FCC ID:2ALAZ-MS01B

Basic Specifications

- Size: single-earphone 23.6×16.5×26.7mm
- Weight: 4.5g (single-earphone)
- Charging port: single-earphone : magnetic type Base: Micro USB
- Keys: 3 (MFB button, volume+ button, volume- button)
- Charge indicator: Red LED light (Charging) / light off (Charging completed)
- Standby time: about 40 hours
- Battery and Power
 - Earphone with Charging case:
Music Time:10.5~12 hours
Talking Time:12~13.5 hours
 - Earphone(single charge):
Music Time:3.5~4 hours
Talking Time:4 ~4.5 hours
- ※ Working time of main earphone in the state of two earphones:<3.5 Hours
- Bluetooth version: Bluetooth® 4.2, BR/EDR
- Bluetooth chip: CSR
- Support Profile: HSP, HFP, A2DP, AVRCP
- The remote control to speaker: MFB (Play / Pause/Stop); Vol+/ Next song., Vol-/ Previous song
- Paring name: MS01B(R),MS01B(L)
- Pass: 0000
- RF transmit: class 2
- RF input impedance: 50ohm
- RF Emissive Power: 2.12 dBm
- Receive sensitivity: -89dBm
- Transmission Range (Hz): 2.40GHz ~ 2.48GHz
- Transmission distance: 10m
- TWS function: after two headsets pair and connect, they can work as true wireless stereo headset
- Audio sampling accuracy: 16bits
- Audio sampling rate: Up to 96 kHz
- Audio encoding format: CVSD、mSBC、SBC、ACC
- SNR: >95dB
- Working temperature: -15℃ ~ +60℃
- Working humidity: 10%~85%(in a non-frozen state)

Speaker

- Speaker specifications / mode: $\Phi 6\text{mm}$
- Impedance: 16Ω / typ
- Frequency(Hz): $20\text{Hz}\sim 20\text{KHz}$
- Sensitivity: $93\pm 3\text{dB}$
- Input Power: 2 mW (normal), 5mW (maximum)

MIC

- MIC type: silicon MIC
- MIC sensitivity: $-42\pm 3\text{dB}$
- SPL: 130dB

Battery

- Earphone Battery specification: LIR1254、 60mAh
- Earphone charging current: 55mAh
- Earphone Charging time: 1.5hrs
- Working voltage: $3.3\text{V}\text{-}4.2\text{V}$
- Charging base Battery specification: 601225、 $250\text{mAh}\times 2$
- Base Charging time : 2hrs
- Charging base(Full) provide power to earphone: $2\sim 3$ times
- Current of music playing: MAX 21mA
- Current of talking on phone: MAX 14mA
- Power off current: $3\mu\text{A}$

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 ice blue. R earphone with “Right Power on” prompt voice, L earphone with “Left Power on” prompt tone.

Power Off

When the headset is on, press and hold the MFB for 3 seconds. The LED indicator will flash for one second in red. At this time, you will hear the words “Power Off” from the headset. If have to establish connections with two earphones, earphones will be synchronized to power off.

Pairing

1. One earphone pairing operation

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 . You need to power off the headset and operate again.

2. Two Earphones pairing operation

- 1) Power ON earphone A, and disconnected with any device;
- 2) Double click MFB of earphone A, the LED indicator flashes red and blue, with "TWS Pairing" prompt tone, enter earphone pairing mode;
- 3) Power ON earphone B, repeat step 1 &2 , Earphone A & B paired and connected, with "TWS connected"

- ※ If no voice after mainly & deputy earphone connection ,power off earphone A & B , then Power ON earphone A & B at same time. Earphone A & B reconnect the device after earphone connection.

TWS earphone reconnection: earphone A & B connection automatically after earphone paired once time, with "TWS connected" prompt tone.

3. Disconnect TWS earphone: long press MFB and Vol+ / Vol-.

4. TWS earphone connect with device

- 1) After two earphone paired, power off random earphone, the other one power off synchronously.
- 2) Power on R earphone, enter pairing mode, connect with the device; then power on L earphone, L will connect with R automatically, with "TWS connected" prompt tone.

- ※The function of play music R and L are synchronous, calling is only applicable to the main ear (connected to the mobile phone earphone)

5. Reconnect automatically:

Once power on the earphone ,it will try to reconnect automatically with final mobile phone and matching on earphones.

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

Answering calls

If a call comes in when listening to music or headset is standing by, press the MFB to answer the incoming call. 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 V+ or V- to adjust the volume up or 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.

Voice-Command Dial

If your mobile phone supports this function, press and hold MFB for 1 second to activate voice command. By re-pressing and re-holding MFB for 1 second during the voice dial mode, voice dial will be canceled.

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

Transfer Calls

When you are talking on the phone and receive another incoming call,

- 1) clicking the MFB once time, end first call and answer new coming call;
- 2) double click MFB, answer new call and first call will be placed on hold;
- 3) press the MFB for 2 seconds to reject the incoming call;
- 4) if new coming call answered and first call on hold, double click MFB ,switching between two calls.

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 listening 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 Vol+ button for 2 seconds

Play Next Song

Press Vol- button for 2 seconds

Answering the incoming call in music playing:

Short press the MFB button(music will pause)

End the call in music playing:

Short press the MFB button(music will restart)

Reject the incoming call in music playing:

Press and hold the MFB button for 2 seconds

Make call in music playing:

Double click the MFB button to automatically redial the last number(music will pause)

Earphones LED Indicator Status

Charging	Red LED Light
Charging Complete	Light off
Power ON	Blue LED light flashes for one second
Power Off	Red LED light flashes for one second
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 once every 5 seconds
Power On (Talking)	Blue LED light flashes once every 5 seconds
Power On (Dial Call)	Blue LED light flashes once every 1 seconds
Power On (Incoming Call)	Blue LED light flashes once every 1 seconds
Power On (Play Music)	Blue LED light flashes once every 5 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.

Charging case operation

1. Earphones corresponding on charging case (Blue light when charging box open), close charging case, charging box light off, Earphones of bright red LED light, earphones that are charging; earphones light off, earphones charging completed.

2. When charging box of electricity shortage, Using Micro USB cable to connect computers or USB port adapter power to charging, light blue led light when charging; case light off, charging completed

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

Changes or modifications not expressly approved by the party responsible for compliance

could void the user's authority to operate the 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.