

S18BT manual

Product character

1. Los Da: AB15117 stereo bluetooth chip
2. Bluetooth V 3.0 , can be compatible with other versions
3. Support A2DP V1.3, AVRCP V1.5, HSP1.2, HFP1.6 Profiles
- 4 .Class2 power rank, effective transmission distance is more than 10 meters
5. Internal integrated intelligent voice noise reduction technology which can reduce the echo and noise
6. A2DP 5 band EQ optimization give you high quality music enjoyment
7. Integrated EEPROM can configurate working mode and parameters, the performance is stable
8. Working voltage range (3.4V~4.2V), internal integrated 5V intelligent charging management system
9. Support AiroStereo (True Wireless) function of two headsets: Two earbuds connect each other,one earbud connects mobile phone as left sound track; the other earbud as right sound track to be the wireless audio system; if the two earbuds don't connect each other, can separately connect mobile phone as a single-tone output,talk.
10. Internal integration in both Chinese and English voice prompt, support custom voice prompt (International languages)
11. The conversations should be unhindered,unpaused,undisturbed,uninterrupted.

Specification

Dimension	After mass production
Weight	After mass production
Working voltage	3.4-4.2V
Lithium battery capacity	60mah
Consistant working time	>2.5H

Charging time	1H
Frequency range	2.402-2.480GHz
Channel spacing	2MHz
Transmitted power	CLASS 2
Sampled frequency	Talking 8kHz&16kHz, Music 44.1kHz&48kHz
Modulation mode	GFSK, ($\pi/4$)DQPSK, 8DPSK
Driver diameter	8.6MM
Impedance	32 Ω
Frequency response	20~20KHz
Microphone	4015
Microphone sensitivity	42db \pm 3db
Microphone direction	Omnidirectional

Port function

1. MFB multifunctional soft key (power on/off, play/pause, answer/hang up the call)
2. LED indicator with blue and red light flashing
3. 1-MIC input port
4. USB charging port

Pairing

1. First connect: at the same time long press the MFB keys of both earbud for about 6 seconds to power on, until the indicator light alternately flash in blue and red light, it means the earbuds enter pairing mode, after two earbuds pair each other, when hear the pairing prompt tone, it means the earbuds are under the pairing mode, then open bluetooth for Mobile phone, tablet or computer and search bluetooth device to pair them. There will be prompt tone to prompt pairing successfully. Blue indicator light will flash a few times.

2. Reconnecting automatically: if pairing successfully the first time, the two earbud will automatically reconnect each other when starting up next time. Try to connect with the last pairing Mobile phone after reconnecting successfully.

3. The left and right sound track will be paired when leaving from the factory.

Instructiogns

Sort	Function	Operation and instruction
Basic	Bluetooth name	S18BT
	Key	MFB
	LED	1、 blue 2.red
	Power on	Press MFB for 4 seconds to power on(the two earbud will reconnect to each other, and reconnect with the last device automatically after reconnecting successfully)
	Power off	Press MFB for 4 seconds to power off
	Earbuds pairing	Press MFB of both earbud for 6 seconds tp enter the pairing mode
	Bluetooth pairing	1. When the two earbuds pair each other and fail to reconnect to the last device, it will automatically enter the pairing mode with Mobile phone after 20 seconds;
	Pairing overtime	The earbud will exit the pairing mode and enter unconnected sate if no operation after pairing for 60 seconds.
	Power off automatically	The earbud will power off automatically if bluetooth isn't disconnected for over 10 mins.

	Enter using mode for single earbud	Long press MFB key of one earbud for about 3 second is to power off. When one earbud doesn't serch another earbud,The mobile phone can connect with it.Then this earbud enter single using mode.Long press MFB key for 6 seconds to enter pairing state.Meanwhile it can connect with another earbud,also connect with Mobile phone.
Caling	Cancel dialing	Click on MFB(left sound track) can cancel dialing when pulling out each other before answering the call
	Answer the call	Press MFB(left sound track) to answer the call
	Reject the call	Press MFB(left sound track) 2 seconds to reject the call
	Hang up the call	Click on MFB(left sound track) to end the call
	Voice conversionV	No
	Mic mute	No
Music	Pause	Press MFB of any earbud to pause the music in music playing
	Play	Press MFB of any earbud to play the music in music pausing
Reconnect	Power on to reconnect automatically	At the same time long press MFB key of two earbuds for 4 seconds in powering off state,then let go. Two earbuds reconnet to each other.Try to reconnect with the last connecting Mobile phone

		after they connect successfully.(If not,short press MFB key to automatically connect)
	Click MFB to reconnect	Clicking MFB key to reconnect with the last connecting device in bluetooth unconnected state. Can automatically enter the pairing mode If reconnect unsuccessfully
	Reconnect by mobile phone	If the mobile disconnect from mobile phone, can be reconnected by mobile phone again
	Reconnect when out of range	When the device is out of working range, the earbud will reconnect if under the working range(If can't connect, press MFB)
Power	Battery capacity display	When connect the ios you can see the battery capacity indicator
	Low battery display	The LED will flash red for every 30 seconds and there's prompt tone if the battery lower than 3.3V
	No battery	1.The earbud will power off if the battery lower than 3.0V ;2.The earbud will power off automatically after 10 mins when the battery is under low battery stand.
	Charging(current)	Charing with USB cable and the LED will turn red, when charge full the LED will turn blue. The charging time is 1 hour,The capacity of battery is 60MAH
	Charging reset	Yes(itronic: plug in the charging cable, can perform reset action, if plug in it in starthing up state, will be shutdown and reset)

Electrical parameter

Reference for typical current is under the application of Lithium battery circuit Battery=3.7V, Single speaker of impedance is 32Ω when without power amplifier,and speaker is in the condition of moderate medium

FCC Compliance:

1. 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.

2. 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.