



SMART HELMET WITH MUSIC
TECHNOLOGY

Quick Start Guide



PRODUCT OVERVIEW

When we eat a biscuit, we hear the sound of the biscuit being chewed up, because vibration is transmitted to our inner ear via our teeth and bones. Similarly, when we eat other food, drink water or scratch our head, we also hear the sounds conducted by our bones.

The sound-producing Babaali helmet can convert audio frequency into vibration signals in a satisfactory way, so that, when we wear the helmet and place the vibration loudspeakers at an appropriate position on both sides of the helmet, the vibration of music will be transmitted via the helmet which is in contact with our cranial bones. This revolutionary open experience for both ears not only keeps us alert of the ambient environment when listening to music or making a call, but also completely frees our ears and achieves a higher level of safety, without having to insert the headset into our ears or wearing other sound-

producing devices. A simple helmet can perfectly integrated music, calling and many other functions.

Relying on the Bluetooth wireless technology, you can connect to a compatible communication device without having to use a wire cable. Bluetooth connection does not require that the cellphone and the headset directly face each other, but they must be controlled within a maximum distance of 10m. Bluetooth connection may be interfered by walls or other barriers or other electronic devices, and its connection distance may also be hereby significantly shortened.

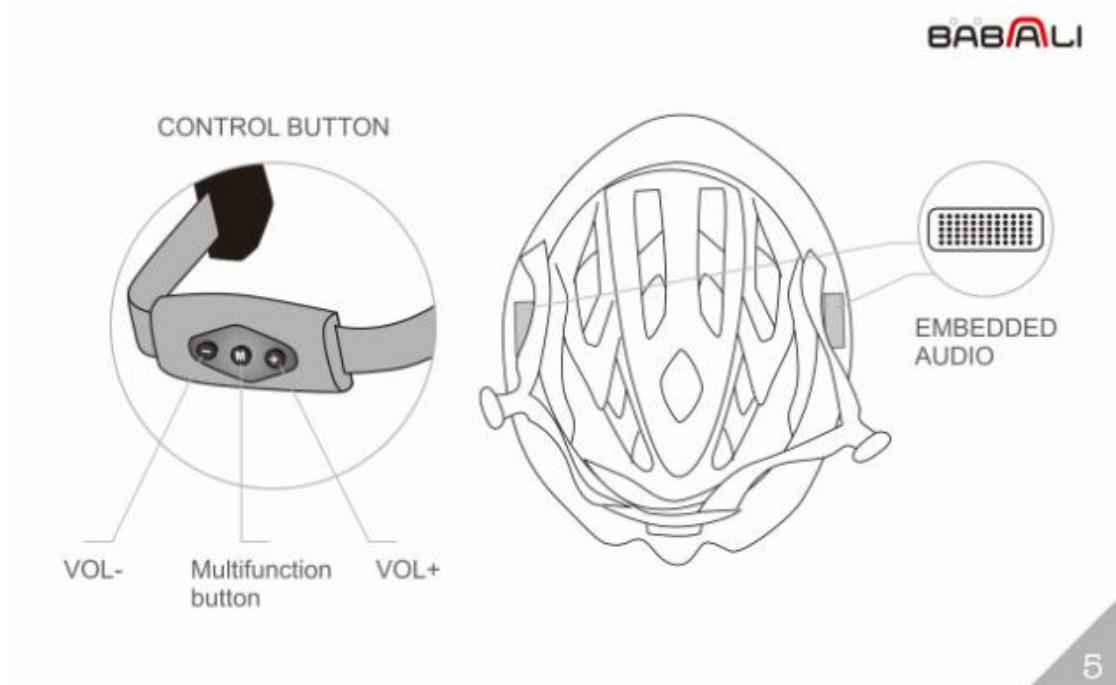
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smart helmet with music technology

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FUNCTION INTRODUCTION

- 1 The modified high-elasticity double-hung vibration transmission system adopts brand-new metal material as thin as paper, and, perfectly integrated with the helmet, it can present the most perfect sound quality and the most delicate respiration of the singer, just like listening to the live music.
- 2 The optimized LeakSlayer technology and brand-new structural design can reduce sound leak by 50%, so you don't have to turn it down for fear of disturbing others.

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- 3 It provides a high quality of connection, just like face-to-face talk; the dual-microphone in-depth noise reduction algorithm guarantees voice quality, even when talking outdoors.
- 4 It's only safe, but also, relying on the open experience design for both ears, help you perceive the ambient environment when you are listening to music outdoors.



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OPERATING INSTRUCTIONS

1 Charging:

- 1) The product uses the lithium ion polymer battery, so charge it for above 2h before first use;
- 2) The red indicator lights on when being charged, and the blue one lights one when fully charged (taking about 1-3h);
- 3) Do not use the product when being charged;
- 4) Charging voltage: 5V/250mA.

2 Pairing: (pair it with your cellphone before first use)

- 1) First confirm whether your cellphone supports Bluetooth function (refer to the user manual of your cellphone);
- 2) Long-press the function key and the red indicator is normally on (voice prompt), and then the red and blue indicators alternately light on, activating the pairing state;
- 3) Use the Bluetooth function in your cellphone to search a Bluetooth

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device. Select the device connection after find MOON;

- 4) The headset sends a prompt voice during pairing, and then the blue indicator flashes every 4s, reminding you that the pairing is successful.

The headset will automatically shuts down when no device is found after 10min.

3 Operating instructions:

- 1) Starting up: Long-press the function key and the red indicator is normally on (voice prompt of starting up), and then the red and blue indicators alternately light on (voice prompt of entering the pairing mode), upon which it searches and connects with the paired device; after successful connection (voice prompt of successful connection), the blue indicator continuously flashes twice every 5s, and enters the standby mode. The headset will automatically shuts down when the

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OPERATING INSTRUCTIONS

paired device is not connected after 10min.

- 2) Answering a call: When the headset receives the incoming call prompt tone (voice prompt, reading the calling number), click the function key once to answer the call, upon which the headset sends a prompt voice and the red and blue indicators flash fast during the call; you may also press the answering key on the cellphone to answer the call, upon which the headset sends a prompt voice and the red and blue indicators flash fast during the call.
- 3) Rejecting a call: When the headset receives the incoming call prompt tone (voice prompt, rejecting the call), you may long-press the function key for 3s or press the rejection key on your cellphone to reject the call.
- 4) Making a call: Under standby mode, double-click the function key once, and you can make the call of the last call number (voice prompt of automatic redial).

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Under standby mode, enter the number to make a call by the conventional method.

- 5) Ending a call: If you want to end an ongoing call, press the function key once, upon which the headset sends a prompt voice (prompt voice of a call having been ended).

When the opposite party hangs up, the headset sends a prompt voice. The call automatically ends.

When pressing the hang-up key of your cellphone once, the headset sends a prompt voice. The call automatically ends.

- 6) Increasing/decreasing the volume: You can increase/decrease the volume through clicking the +/- key during a call; when playing a song, you can switch to the last/next song through long-pressing the +/- key; a prompt will be given when reaching the maximum/minimum volume (maximum/minimum volume).

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OPERATING INSTRUCTIONS

4 Shutdown:

Long-press the function key, and the red indicator flashes fast and the headset sends a prompt voice of "clip-clop" to shut down.

When the headset is far away from the receiving range, it automatically shuts down 10min later.

5 Low battery:

Under working mode, the red indicator flashes three times, and the headset sends a prompt voice to indicate low battery, upon which the battery can only sustain for 180s and should be timely charged.

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BONE CONDUCTION SPECIFICATIONS OF BLUETOOTH

Description of specifications	8Ω300mW
applicable scope	
Type	Permanent-magnet dynamic loudspeaker
Dimensions	15.3*6.9 mm in diameter
Power	Nominal input 300mW, maximum input 800mW
Mean working voltage	1.8 V
Working voltage (maximum value)	3.7 V
Electrical properties: Electrical specifications	
Nominal Impedance	8Ω±15% test @200Hz 3 v
Resonant frequency	100~18,000Hz

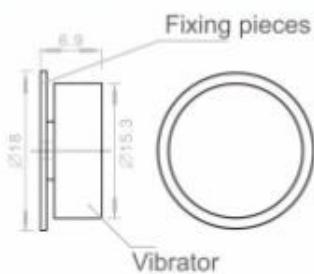
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Electrical properties: Electrical specifications	
Sound pressure level (dB)	88~1kHz
Current consumption (maximum value)	200mA
Distortion	5% less
Working temperature	-20~60°C
Storage temperature	-30~+70°C
Reliability	
Continuous load test	Must be normal after load test in pink noise, 0.3W, for consecutively 48 hours
Heat resistance test	Must be normal after heat resistance test at $60\pm2^{\circ}\text{C}$ and relative humidity 20-25% 16hours and then room temperature 1hour
Cold resistance test	Must be normal after cold resistance test at $-20\pm3^{\circ}\text{C}$ and relative humidity - %16hours and then room temperature 1 hour

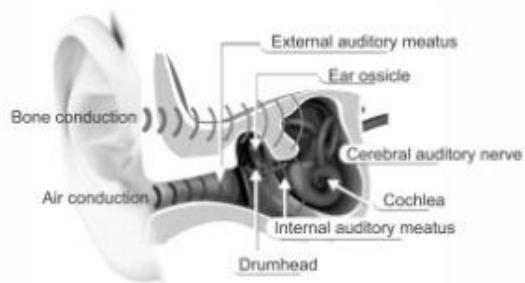
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Internal structure of headset



Internal structure of headset



Principle of bone conduction

Most of the sounds we hear first arrive at our drumheads via air in the form of acoustic waves, which then cause the drumheads to vibrate and transmit the sounds to our inner ears. In other circumstances, the acoustic waves are directly transmitted to our inner ears via bone vibration without passing through our drumheads, and this is also a mode by which we hear our own voices. The latter mode of sound transmission is referred to as bone conduction.

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Warranty Card

Product Name: _____ Place of Purchase: _____

Model: _____ Customer name: _____

Factory No: _____ Contact Tel: _____

Manufacturer: _____ Customer Add: _____

Date of Purchase: _____ Items for Warranty: _____

Customer Signature: _____ Satisfied Unsatisfied

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Dealer's Seal



Add: 11F, Building 1, Quarter A, Sanlitun SOHO,
Chaoyang District, Beijing

Tel: 086-13302560352

E-mail: info@babaali.cc

Web: www.babaali.co

FCC Caution:

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.

Any 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.