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**SMART STEERING LAMP HELMET
WITH BONE CONDUCTION MUSIC**

Quick Start Guide



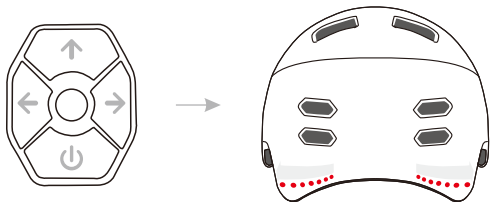
PRODUCT OVERVIEW

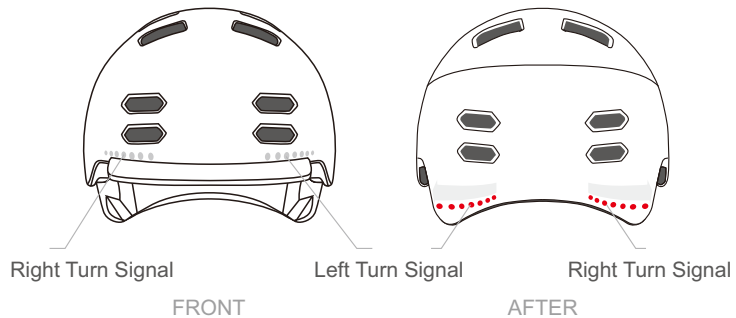
When we choose to go for a ride, we expect it to be interesting and less lonely. While some of us favor the bone conduction music helmet, as we can listen to music or radio programs during the ride, others tend to choose a steering lamp helmet with intelligent brake light, as it guides them in the dark and makes steering extremely convenient. Well, this is where our unique design comes into play, as we can perfectly combine the two models to offer higher taste and more fun to your ride.

steering lamp helmet with bone conduction music has seized the psychological demand of bicycle fans, and created the “black technology” helmet, a helmet that seamlessly integrates the ear-liberating bone conduction speaker with the intelligent brake steering lamp. With this new design, you can effectively answer a call, listen to music or listen to radio programs while receiving

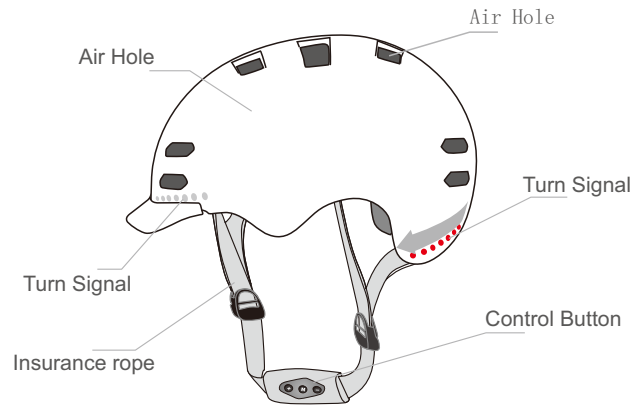
direction instructions at the same time.

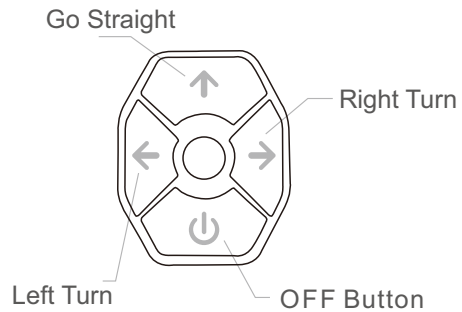
The helmet adopts duplex radio communication, connects with mobile devices via Bluetooth, achieves the wireless remote control of steering lamp, and easily realizes the dream of intelligent ride.



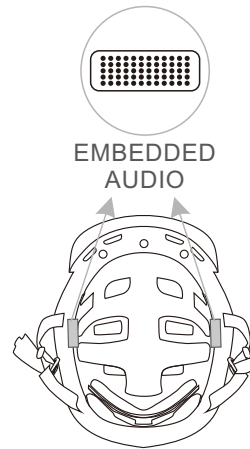
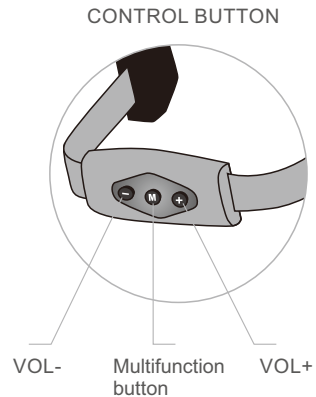


Riding Helmet





Remote Controller



OPERATING INSTRUCTIONS

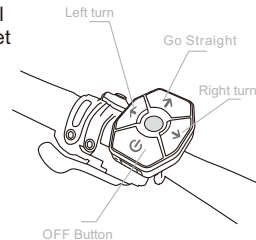
Remote controller

- *1 fix the base of remote controller on the handlebar with cable tie, as indicated;
- *2 **Turn on the helmet:** press Left/Right/Go straight button to turn on the helmet;
- *3 **Left turn button:** Press Left button when you want to make a Left turn, the lights on helmet follow the instructions and get back to Go straight status 20 seconds later;
- *4 **Right turn button:** Press Right button when you want to make a Right turn, the lights on helmet follow the instructions and get back to Go straight status 20 seconds later;
- *5 **Go Straight Button:** Control helmet signal for going straight;

*6 **⏻ button:** Long press ⏻ button for 2 seconds to turn off the helmet;

*7 **Remarks:** If the helmet does not follow the instruction from remote control, tinny red LED indicator on control flickers 3 times. In that case, please check if the helmet and control are matched, or the helmet is power off;

- *8 **Battery:**
- a. 40ma chargeable Li-ion battery is used to power the control.
 - b. 2-hour charging to get fully charged, and can be used for 7 days.
 - c. tinny red Led indicator above ⏻ button blinks while charging and turns off when fully charged.
 - d. tinny red Led indicator above ⏻ button blinks when less power remains;



OPERATING INSTRUCTIONS

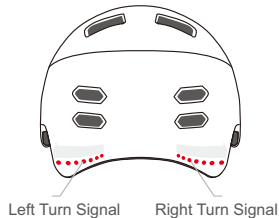
Helmet

- *1 On Mode:** press Left/Right/Go straight button to turn on the helmet;
- *2 Off Mode:** Long press  for 2 seconds, to turn off the helmet;
- *3 Normal Mode:** receive remote control signal and execute signal as instructed. After receiving off signal by the controller, all LED indicators turn off and enter into OFF mode;
- *4 Sleep mode:** Sleep mode starts automatically after continuous 7-day helmet standby. For getting back to normal mode, helmet and remote need to be matched: First, press the reset button on helmet with a needle, all LED lights blink quickly; Second, press the reset button on remote control, LED lights on helmet are off indicating helmet and control are matched.

***5 Charging mode:** helmet charged by Micro USB cable. LED lights flash while charging, and turns off when fully charged;

***6 Reset button:** press reset button to restart the helmet;

***7 Battery:** powered by lithium battery with guard plate till power output cutoff after Undervoltage of the guard plate. After Undervoltage protection, charge it promptly to prevent battery from being laid idle under Undervoltage for a long time. 4 hours are required to charge from under voltage state to full charge. Continual use for over 8h is available under double-flash state.



OPERATING INSTRUCTIONS

Instructions about the bone conduction music part:

1 Charging

- 1) The product uses lithium ion polymer batteries, which must be charged for above 2h before first use.
- 2) The red Led indicator near the USB interface blinks while charging, stops when fully charged.
- 3) Do not use the product during charging process.
- 4) Charging pressure: 5V / 250mA.

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

- 1) First confirm whether your cellphone has the Bluetooth function (refer to the manual of your cellphone).
- 2) Long-press the function key, and the red lamp is always on (voice prompt), followed by the flashing in turn of red and blue lamps and the entry into pairing state.

- 3) Use the Bluetooth function of your cellphone to search the target Bluetooth device and select it for connection.
- 4) During the pairing process, the earphones send a prompt tone, and then the blue lamp flashes once every 4s, meaning that pairing is successful. In case it fails to pair with a device within 10min, the helmet shuts down automatically.

3 Instructions

- 1) Startup: Long-press the function key, and the red lamp is always on (voice prompt of startup), followed by the flashing in turn of red and blue lamps (voice prompt of the entry into pairing state); after searching and connecting with paired device, successful connection is made (voice prompt of connection made), the blue lamp flashes twice continuously by the interval of 5s, and the device enters the standby state. In case it fails to connect with the paired device within

OPERATING INSTRUCTIONS

10min, the earphones shut down automatically.

- 2) Answering a call: When your earphones receive the prompt of an incoming call (voice prompt, reporting the number), you may click the function key once to answer the call, in which case the earphones send a prompt tone and the red and blue lamps flash in turn during the call; you may also press the answer key on the cellphone to answer the call, in which case the earphones send a prompt tone and the red and blue lamps flash in turn during the call.
- 3) Rejecting a call: When your earphones receive the prompt of an incoming call (voice prompt of rejecting the call), you may long-press the function key for 3s to reject it, or directly press the reject key on your cellphone to reject it.
- 4) Making a call: At the standby state, you may double-click the function key once to make the last call (voice prompt of automatic re-dialing). At the standby state, you may also enter the number on your

cellphone to make a call.

- 5) Hanging up: During a call, you may press the function key once to end it, in which case the earphones send a prompt tone (voice prompt of call being ended).
During a call, when the opposite party hangs up, the earphones send a prompt tone. The call is automatically ended.
During a call, you may press the hang-up key once to end it, in which case the earphones send a prompt tone. The call is automatically ended.
- 6) Volume increase/decrease: During the playing of music, you may click the +/- key to switch to the last/next song, or long-press the +/- key to increase/decrease the volume; a prompt will be given when reaching the maximum/minimum volume.

OPERATING INSTRUCTIONS

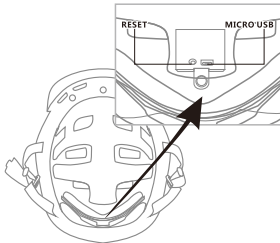
4 Shutdown

Long-press the function key, and the red lamp flashes quickly, and the “clip-clop” of the earphones gives the prompt of shutdown.

It also automatically shuts down when the earphones are kept far beyond the receiving range for 10min.

5 Low battery

When the red lamp flashes three times and the earphones send a prompt tone at working state, it means that your battery power is low and can sustain for a maximum of 180s, so please timely charge in this case.



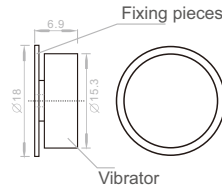
BONE CONDUCTION SPECIFICATIONS OF BLUETOOTH

It adopts Bluetooth V4.1+EDR specification standard, and supports v1.2 Bluetooth headset mode and v1.6 Bluetooth headset mode.

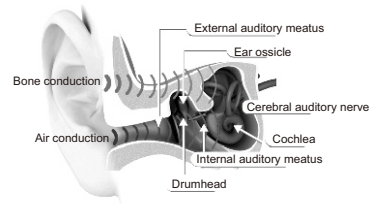
Description of specifications	8Ω300mW
applicable scope	
Type	Permanent-magnet dynamic loudspeaker
Dimensions	15.3*6.9 mm in diameter
Power	Nominal input 300mW, maximum input 800mW
Mean working voltage	1.8 V
Working voltage (maximum value)	3.7 V
Electrical properties: Electrical specifications	
Nominal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

Electrical properties: Electrical specifications	
Bluetooth version	4.1
Maximum Bluetooth transmission power	0dBm
Bluetooth frequency band	2402MHz-2480MHz
Maximum General 2.4GHz transmission power	1dBm
General 2.4GHz frequency	2438MHz
Sound pressure level (dB)	88~1kHz
Current consumption (maximum value)	200mA
Distortion	5% less
Working temperature	-20~60℃
Storage temperature	-30~+70℃
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±2℃and relative humidity 20-25%16hours and then room temperature 1hour
Cold resistance test	Must be normal after cold resistance test at -20±3℃ and relative humidity - %16hours and then room temperature 1 hour

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.

BICYCLE - SPORTS SAFETY HELMET OWNERS MANUAL

THIS HELMET
MEETS CE EN 1078:2012+A1:2012 HELMET STANDARDS

IMPORTANT!

This helmet has passed EN1078:2012+A1:2012 to show conformity to the respectively Regulation EU 2016/425.

EU declaration of conformity will pack with product for sell.



EC TYPE EXAMINATION CERTIFICATE ISSUED BY:
TÜV Rheinland LGA Products GmbH
Tillystraße 2
90431 Nürnberg
NOTIFIED BODY REFERENCE No. 0197

Customer Service

We strive to deliver impeccable products, but if something is not to your satisfaction or if there are defects, please contact us.

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.

FCC Caution:

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

FCC Statement:

"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."

Warm prompt: The parameters are subject to that of physical product. There might be changes without prior notice.

Version: January 2019