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## 1,Scope

This specification applies to the Bluetooth headset.

## 2, Product Features

### 2.1Basic Specifications

Item	TRMH02SB-XX
Speaker specifications	Φ7mm
MIC specifications	3015 SMD Capacitive
Battery specifications	Φ9.3*16mm 3.7V/45mAh
Charging port	MICRO 5Pin
Charging input specifications	5V/50mA
Standby time	36H
Connection talk time	3H
By-wire specifications	48*7.7*4.5MM
Wire size	5.0*1.4 flat line
Exierior color	black+fluorescent green
Scope	The applicable can Bluetooth transmission all kinds of mobile phones,PC,MP3.

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#### 4, Bluetooth specification and features

Bluetooth intelligent stereo audio module-BT3GMD-A30P

Bluetooth chip: BCM20771    Bluetooth Version: Bluetooth 3.0

The wireless frequency response: 2.4GHZ-2.48GHZ    Power rating: Class2

The low voltage detection vibration reminders

A2DP1.2 use of streaming audio over Bluetooth SBC decoder and remote control functions AVRCP1.4.

Configurable equalizer 10 preset, choose a variety of musical styles.

Has a sample rate of 44.1 and 48KHZ fidelity playback 96DB signal-to-noise ratio of the high-quality DACs

The single-chip Bluetooth 3.0 transceiver supports Bluetooth 2.1 + Bluetooth enhanced rate and backward compatible with Bluetooth 2.0, 1.2, 1.1 agreement.

The class Bluetooth headset has 8dbm transmit power and -91dbm receive sensitivity.

Support side tone and digital microphone

Support for the microphone and speaker equalization

Support the volume up and down, song, play / pause function control

Support fast charging, power dissipation monitoring and optional charging voltage regulator

Has a double high-quality microphone input 8khz and 16khz. Accessibility indoor connection distance of over 10 meters.

Multi-lingual voice prompts

Recognize voice commands

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## 5, Functional operation:

### Test conditions:

Temperature :5-25 °C, relative humidity: 45% -75%, atmospheric pressure :86-106Kpa

### Functional test methods

Boot: The line play key long by 2 seconds, boot 0.5s frequency (blue light flashes 4 times) with voice prompts

Shutdown: by-wire play key long by 4 seconds, shut down, and with voice prompts.

0.25s frequency into pairing: long-wire play button for about 4 seconds, the pairing (red and blue lights flash alternately)

Increase the volume: V +, the volume increase, increased to the maximum, the headset will be issued in the voice tone, indicating that the maximum volume.

Decrease the volume: V-bit volume is reduced, reduced to the minimum, the headphones will be issued in the voice tone, volume minimum.

Play / Pause: Press the Play / Pause button, control music playback, pause.

The next one: playing music long V +2 seconds.

On one: play music press and V-2 seconds.

Answer the phone: incoming calls, click the play button, answer the phone, the blue lights. (Such as playing music before answering, hang up the music will continue).

To refuse to answer the phone: incoming calls, long press the play button for 2 seconds to reject the call, the blue lights.

End a call: Click the play button of the headset, you can hang up the phone.

Language Selection: Double-click the "V" button twice to enter the language selection, press the play button to select the language,

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then press the "V" key to confirm. And

Charging: red light.

: Red light off when fully charged.

Microphone function: When the headset is connected to the phone calls directly to speak on the microphone on the headset to make calls;

The Automatic Sleep: headset pairing is not successful, and five minutes after pairing, the blue light flashes slowly headphones into hibernation after 15 minutes.

#### 6,SPK Specification:

Part No.:	HS0701-002	Kite Mark	Φ07* 16 Ω
Size	07mm	Type	permanent-magnet dynamic loudspeaker
No.	Item	Specification	Test condition
1	Nominal Impedance	16 Ω ±15%	At 1000Hz
2	Lowest Resonance Frequency	580Hz±25Hz	126mV
3	Output S.P.L.	95±3dB	At 1000Hz/1mW
4	Frequency Response	Fo~20,000Hz	Output S.P.L±5dB
5	Rated FREQ.RESP	20~20,000HZ	1mW Test

6	Input Power	Rated Power Input 3mW	Max. Power Input 5mW
7	Distortion	MAX $\leq$ 3%	less @ 1mW 1000Hz more than
8	Sine Wave Test	sine wave	150~2000Hz, Must be normal at sine wave
9	Polarity	When a positive current is supplied from the speaker the terminal marked(+) and a negative to the other terminal the diaphragm must move toward the front	
10	Flux Density	2400 Gauss	
11	Load Test	Must be normal after load test :pink noise 3mW 24hours	
12	Heat Test	Must be normal after $60 \pm 2$ °C and relative humidity 45-55% 24hours and then room temperature 2hours	
13	Cold Test	Must be normal- $20 \pm 3$ °C 24hours and then room temperature 2hours	
14	Humidity Test	Must be normal after $40 \pm 2$ °C and relative humidity 90-95% 48 hours and then room temperature 2hours	

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## 7-1、Wire parameter table

model	1: flat line 5.0*1.4/9 core;
color	fluorescent green 802c
material	TPE
Single branch pull-off force	≥8Kg

### 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 radion frequency energy and , if not installed and used in accordance with the instructions, may 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 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.

FCC Caution: Any change or modifications no expressly approved by the party responsible for compliance could void the user's authority to operate this 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.