

## PRODUCT SPECIFICATION

Name of customer: \_\_\_\_\_

Name of product: Bluetooth HeadsetModel NO: UT7710A1

Supplier			
Made		Date	
Check		Date	
Approval		Date	

Customer:			
Checked		Date	
approval		Date	



CATALOGUE

1. Scope of application.....	3
2. Quoted standard.....	3
3. Hardware edition .....	3
4. IC/CPU .....	3
5. Bluetooth headset test data sheet.....	4
6. Electric principle picture.....	5
7. Electric characteristics .....	6
8. Characteristics of Bluetooth headset .....	6
9. Packing requirement.....	7
10. Credibility test.....	8
11. Size and picture of Bluetooth headset.....	9



### **1. Scope of application**

This product is suitable for all mobile phone, computer and PDA which support Bluetooth.

### **2. Quoted standard**

Bluetooth specification v1.2.

### **3. Hardware edition(H/W)**

Bluetooth specification v1.2

Output class: Class2

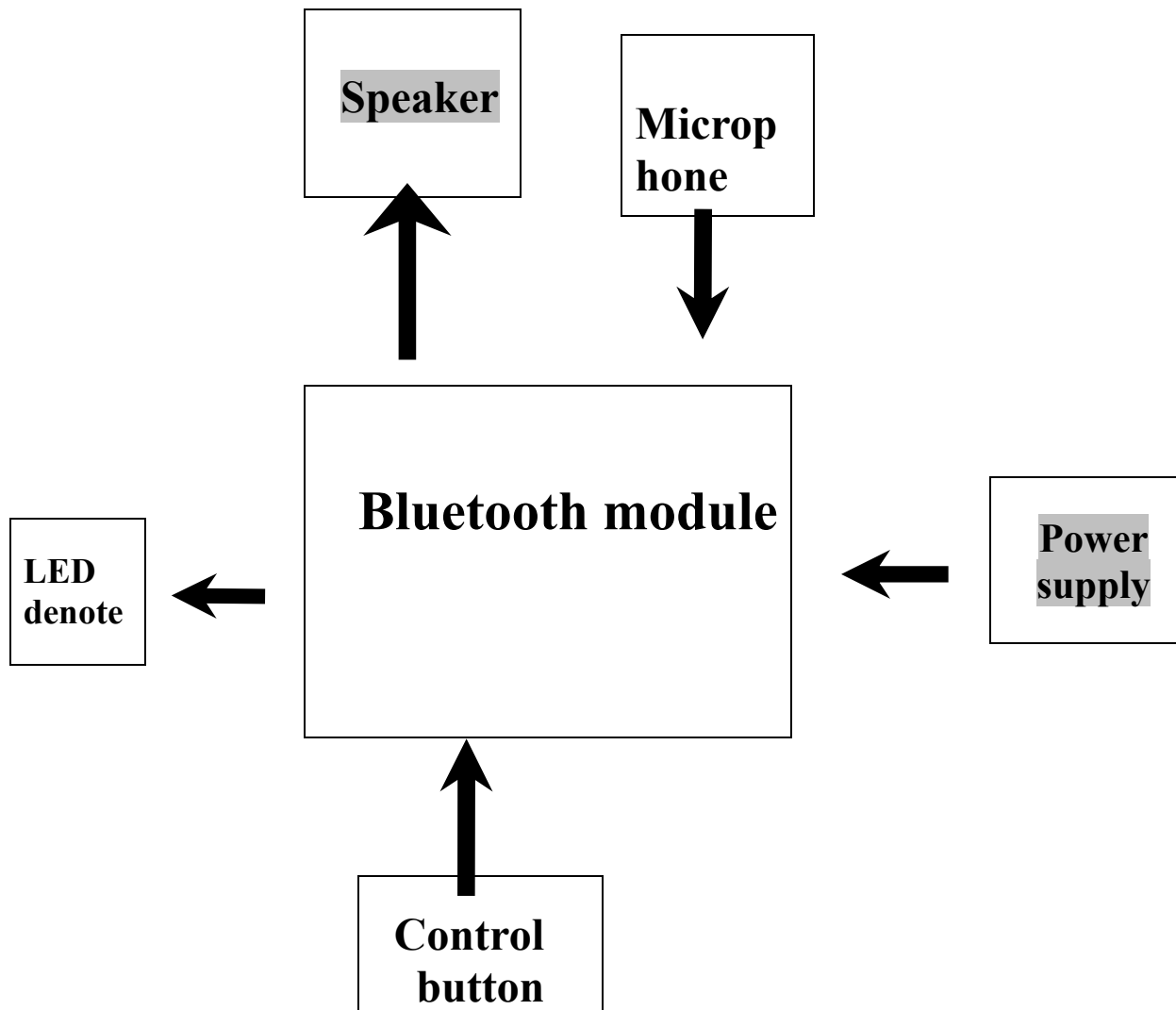
### **4. IC/CPU**

ISSC

### 5. Bluetooth headset test data sheet

NO	Test items	Test condition	Test data	Unit	Bluetooth standard
1	Operating voltage		3.6	V	
2	Operating current	Maximum	≤45	mA	
3	Standby current	Maximum	≤40	uA	
4	Audio output power	LOAD 32 ohm	≥1	mW	
5	Frequency range		2.4-2.4835	GHz	
6	Maximum RF transmit power	2.402GHz	-2	dBm	<20dBm >-6dBm
		2.441GHz	-2		
		2.480GHz	-2		
7	Power control	MAXIMUM STEP	4.7	dBm	≤8.00dBm
		MINIMUM STEP	3.3		≥2.00dBm
8	Initial carrier frequency tolerance	2.402GHz	12	KHz	DH1±25KHz
		2.441GHz	10		DH3±40KHz
		2.480GHz	9		DH5±40KHz
9	Carrier frequency drift	DH1	23	KHz	DH1±25KHz
		DH3	16		DH3±40KHz
		DH5	17		DH5±40KHz
10	Modulation characteristics	2.402GHz	165	KHz	140KHz< f1avg<175KHz
		2.441GHz	165		
		2.480GHz	165		
11	Receiving Sensitivity	2.402GHz	78	dBm	BER≤0.1% ≤-70dBm
		2.441GHz	78		
		2.480GHz	78		
12	Maximum receiving	2.402GHz	3	dBm	BER≤0.1% ≥-20dBm
		2.441GHz	3		
		2.402GHz	3		

**6. Electric principle picture**



## 7. Electric characteristics

- 1) Continuous talking time  $\geq 2.5$  H.
- 2) 5M < range up < 10M.
- 3) Charging up time: 3-4H
- 4) On time: 5S
- 5) Off time: 2S
- 6) MIC Sensitivity 44dBu

## 8. Characteristics of Bluetooth headset

- 1) Beautiful portable design
- 2) Adopting hook design, elegant and slim appearance shows its modern nature.
- 3) The material of Microphone is soft rubber protector which is good for soundproof, making your conversation more clearly.
- 4) Bluetooth non-wire connection makes you get rid of the trouble from wire and your communication more convenient.
- 5) Colorful lights display
- 6) Low radiation and health protection
- 7) Voice dialing/redialing/mute function/send voice dialing request etc.
- 8) Ultra-strong electrical saving function
- 9) Low jamming, high secret keeping ability
- 10) Confirming to Bluetooth Confirming Test (BQB) Standard.



## 9. Packing requirement

No.	Items	I Tested surface	II Tested surface	III Tested surface
<b>Deficiencies which can be measured:</b>				
1	Minor cutting mark	$L \leq 3, W \leq 0.15$ 且 $N \leq 1$	$L \leq 4, W \leq 0.15, N \leq 3$ , & Exceeding one mark in each surface can't be allowed	$L \leq 6, W \leq 0.15, N \leq 2, \& DS \geq 20$
2	Tough cutting mark/bump mark	Not permitted	$L \leq 2, W \leq 0.2, N \leq 2$ , & Exceeding one mark in each surface can't be allowed	$L \leq 2.5, W \leq 0.2, N \leq 2, \& DS \geq 20$
3	Crude edge	Not permitted	$L \leq 10, H \leq 0.08, N \leq 2, \& DS \geq 20$ , & not sharp	$L \leq 10, H \leq 0.1, N \leq 2$ , & not sharp
4	With glue stain	Not permitted	$D \leq 0.6, N \leq 3, \& DS \geq 20$	$D \leq 0.7, N \leq 3$ , & don't affect assembling
5	Spot	$D \leq 0.6, N \leq 1$	$D \leq 1.0, N \leq 4, \& DS \geq 20$ , Exceeding 2 spots in each surface can't be allowed	$D \leq 1.5$ , 且 $N \leq 2$
6	Twisting	Can't exceed the specification regulated by blueprint		
<b>Deficiencies which can be referred to limited samples when checked</b>				
7	Shrink	Refer to limited sample		
8	Wire melted	Refer to limited sample		
9	Gap	Refer to limited sample		
10	Different color	Refer to limited sample (or when $E \leq 1.0$ is qualified)		
<b>Deficiencies which can be eliminated through modifying or adjusting</b>				
11	Whitening	Not permitted		
12	Convex	Not permitted		
13	Having not filled up enough	Not permitted		
14	Silver strip	Not permitted		
15	Flowing vein	Not permitted		
16	Dragging edge	Not permitted		
17	broken	Not permitted		
18	Oil stain(can't be wiped)	Not permitted		

No.:UT7710A1-0000-A

Edition: A

Revision:1.0

Pages: 7/9

### 10, Credibility test

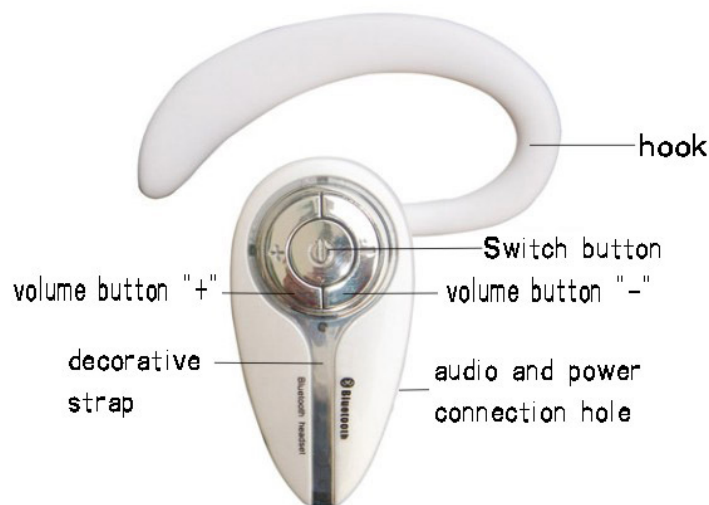
- 1) Without any packing, falling down cement floor from 1.5meter high place three times, the product can work well and no component drops.
- 2) After testing for 2h under high temperature of 65oC and low temperature of -20 oC, the product can work normally.
- 3) After pressed to experiment 10000times continuously, each button can work normally.
- 4) After testing for 48h under temperature of 40±2 degree and humidity of 103%, product can work normally.

### 11. Size and picture of Bluetooth headset

#### 1). Product size

No.	Items	Specification	Notes
1	L(Long)	51mm	
2	W(Width)	25mm	
3	H(High)	10mm	
4	Weight	14.5g	Referring to the picture
5	Color	Black, silver, pearl white iron grey	
6	Battery	(lithium)3. 6V	

#### 2).Product picture



No.:UT7710A1-0000-A

Edition: A

Revision:1.0

Pages: 8/9

### 3) Packing Picture

