

SHENZHEN BIGGERFIVE TECHNOLOGY CO., LIMITED.

Specification

Apellation: Bluetooth on-ear headphone

Model: BH100

1. Chips and Photographs:NY006



2. Headset Specifications

Basic Description		
Specification Number	21BK02-20211015	
Version	V1.0	
Product Category	Bluetooth headset	
Product Description	Bluetooth on-ear headphone	
Pair Name	BIGGERFIVE BH100	
Product dimension	183*169*76mm	
Product weight	208g	
Operating temperature	-10~+45℃	
Storage temperature	-20~+60℃	
Feature / Characteristic / Materials		
Items	Description	Remark
Key Performance		
Bluetooth version	V5.0	
Bluetooth profile	HFP A2DP HSP AVRCP	
Working Frequency	2.402GHz-2.480GHz	
Receiving sensitivity	<-85dBm	
class1,class2	0dBm	Class2
Battery type	polymer lithium battery	
Battery capacity	600 mAh	423343 3.7V 600mAh
DC input	DC5V 1000mA	
Headset charging current	≤370 mA	
Headset charging time	About 2.5 hours	

Quiescent current	1uA	Test in shutdown state
Standby current	About 10mA	
Working current	About 28mA	The RGB light does not light up when answering the call
Turn on bluetooth + all LED lights turn on working current	About 40mA	70% volume test
(Turn off LED) Music playback time	About 50 hours	
(Turn on LED) Music playback time	About 21 hours	
Talk time	About 21 hours	
Standby time	About 60 hours	
Effective communication range	Forward ≤9M , Backwards ≤8M	
Effective music range	Forward ≤10M ,Backwards ≥9M	
Waterproofing grade	No	
Controlling button	4	
Cushion		
(PU/PVC)Cushion covering (Leather (Suede / Sheep Skin) / Protein leather (Japan / Korea / China) / imitation protein leather / Normal PU (Poly Urethane) / Thin PU / PVC /PU/PVC)	PVC	
Cushion assembly method (High Frequency / Sewing / Adhesive)	Sewing	
Cushion/Padding Material	Sponge	
Tear Strength		
How Attached (Friction, Twist Off, Sewn, Snap on)		
omments		
Headband		
headband materials	PC+ABS	
Headband cushion covering	PVC	
Headband padding/cushion	Sponge	
Swivel Ear Cups		
Clamping force (R-L)		
Length of the adjust rail	31MM	
Headband adjust force		
Comments		
Driver/Speaker		
Driver Diameter	DLBR-30FE19-010	

Magnet Type		
Type of speaker driver (Dynamic / Balanced armature / Planar Magnetic)	Dynamic	
Speaker driver quantities / per channel	1	
Magnetization intensity	2200GS	
PET / PEN / PEI / PI / LCP / PEEK / PC / PPS / PAR	PET	
4μ/5μ/6μ/7μ-ibrating diaphragm thickness		
Voice coil (CCAW (Copper Clad Aluminum Wire) / OFC (Oxygen Free Cooper))	OFC	
Speaker type	DLBR-30FE19-010	
Impedance	32Ω	
Sound pressure level	91dB	
Sound pressure level	81dB	
THD Graph	TBD	
L-R Tracking	+/-3dB	
Distortion	≅ 5%	
Rated input power	20mW	
Maximum input power	100mw	
Powered Features		
NFC	/	
Internal Amplifier Power(Wrms)	TBD	
Active Noise Reduction Frequency Response Hz	TBD	
Max Noise Reduction Level(dB)	TBD	
Sound-Control Circuit to cap peak volume levels at 85dB	TBD	
Power Input Connector	TBD	
Accessory		
Micro USB Charging Cable		
Microphone Cable		
3.5MM Audio Cable		
Travel Adapter		
Extra Cushions		
Battery		
Carry Case/Pouch		
Comments		
Change Notes		
Regulatory and Certification	As Stated	
Engineering Change Notice		
Date Code		
Reliability Requirement		
Connector insertion test	100 cycles minimum	

Cable Strain Relief Bending	200g; +/-90 degree; 1500 cycles; 30 cycles per minute	
Cable Pull Testing	10 lb	
Other		

3.Product Operation Guide

No	Function	Operation	tone	LED status	Remark
1	Powering on	Turn the switch to the ON position for power-on	Power on	The blue light flashes 3 times	
3	pairing	Automatically enter pairing mode	Pairing	Red and blue lights flicker alternately	In the absence of paired information
4	Power off	Turn the switch to the OFF position for shutdown	Power off	The red light flashes three times	
5	connected	The phone turns on bluetooth and searches for a pairing called to click connect	connected	Blue LED flashing, Flashes once every 5 seconds	
6	Disconnected	Manually click to disconnect the bluetooth connection from the phone	Disconnecte d	Red and blue lights flicker alternately	
7	Automatic link back	Users do not need to pair the paired headphones. After booting, the headphones can automatically connect back to the last connected cell phone.	connected	The blue light flashes quickly, after reconnecting successfully, the blue light flashes once for 5S	
8	Call reminder	/		Blue LED flashing, Flashes once every 5 seconds	
9	Answer calls	Press the PLAY button once	/		
10	On Calling	/			
11	Call End	Press the PLAY button once	/		
12	Call Rejected	Long press PLAY button 2s and release	Call Rejected		
13	Last number redial	Double-click the PLAY button	/		

14	Cancel dialing	Press the PLAY button once	/		
15	Speech switching	Long press PLAY button 2s	/	Blue LED flashing, Flashes once every 2 seconds	
16	Volume +	Click the volume + button	Maximum volume	The blue light flashes once in 5seconds	
17	Volume -	Click the volume - button	minimum volume		
18	Previous track	Long press volume - 2S	/		
19	Next track	Long press volume + 2S	/		
20	Play/Pause music	Press the PLAY button once	/		
23	RGB light control key	<p>1. Press the MODE button to turn on the RGB light</p> <p>2. Press the MODE button to turn off the RGB light</p>			<p>Connect bluetooth playing state with music amplitude flashing light</p> <p>Breathe flash while Line IN External Music</p>
24	Audio switch EQ1	Long press the MODE control key for the first time to switch	TONE	/	
25	Audio switch to EQ2	Long press the MODE control key again to switch 95dB	TONE	/	
26	SIRI	Long press PLAY 1S and release	/	/	
27	Low battery	When the battery voltage is drop to (3.3V)	Battery low	Red LED flash once in 5 seconds	The prompt sound is reported every minute.
28	LINE IN	After plugging in the 3.5mm stereo audio cable, you can play the songs of the external LINE IN.	/	RGB three primary color light breathing flash	If you are in the power-on state, inserting LINE IN will disconnect the bluetooth without shutting down.

29	Clear Pair Information	In the pairing state, press the LED control key +VOL- at the same time	/	The red and blue indicators are on for 1S at the same time	
30	DUT MODE	In the pair state, press PP and VOL- at the same time	/	Red and blue lights go on simultaneously	
31	Charging	Insert the Micro USB charging cable into the charging port to realize charging. The headset will not be turned off at this	/	Red LED is lit	
32	Fully charged	/	/	The red light out	

4. Trouble Shooting and Common Situations

No	Common Situations	Trouble Shooting
1	Earphone/Headphone cannot power on	Battery drain, please charge the device for 30 minutes, and then powering on.
2	Smart phone cannot search Bluetooth Earphone /Headphone	<ol style="list-style-type: none"> 1. Make sure the Earphone/Headphone is in pairing mode (red and blue LED flashing alternately) 2. Delete pairing list in smart phone and searching Earphone/Headphone again. 3. If it still cannot be found, please restart smart phone and Earphone/Headphone again.
3	Earphone/Headphone will be disconnected from time to time	<ol style="list-style-type: none"> 1. The battery drain. 2. The Earphone/Headphone is beyond the communication range(10m)
4	No sound on talking mode	<ol style="list-style-type: none"> 1. Confirmed the Earphone/Headphone connected to earpiece mode on talking. 2. Try to volume up Earphones/Headphone or smart phone. 3. Smart phone is not via Bluetooth mode. 4. Do not open Smart phone voice.
5	No sound with music playing	<ol style="list-style-type: none"> 1. Try to volume up Earphones or smart phone. 2. Earphone/Headphone disconnected with smart phone, please reconnected again.
6	Cannot charger for Earphones/Headphone	<ol style="list-style-type: none"> 1. The charger cable connected not well. 2. Charger line was damaged.