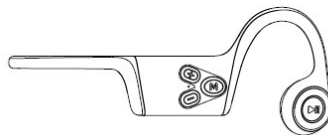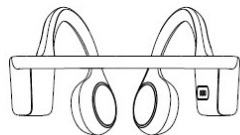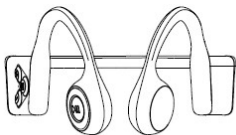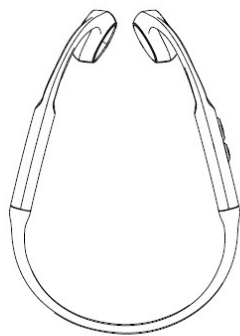# User Manual

(First Draft for JL)

BM111
Bone Conduction Bluetooth Headphone
With
Local Player Function
(Internal Memory 32GB)
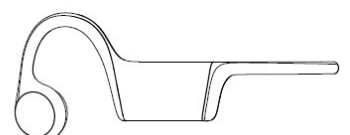
Special Features

- Bone Conduction Headphones designed, sending sound through the cheekbones directly to the inner ears by micro vibrations and leaving your eardrums open to your surroundings, and provides a private listening experience.
- Wireless connection Bluetooth Audio Playback function to enjoy the Bluetooth Audio music from your mobile device.
- Local Player Audio playback function which supporting MP3, WMA, WAV, APE and FLAC audio file formats.
- IPX8 waterproof design can be submerged as deep as 2 meters underwater for short period of time. Take your music below the surface in water.

Cautions

- Do not place naked flames, such as lighted candles on or near the product.
- Do not use or store this product in a place where it is subject to direct sunlight, heat, excessive dust or vibration.
- Do not clean this product with other liquids.
- Do not push foreign objects into the slots or holes in the product.
- Do not attempt to open this product yourself. There are no user serviceable parts inside.
- Do not allow children access to plastic bags.

Safety Warnings

- Before using this product, read and follow all warnings and instructions.
- This product is not intended for use by young children. Young children should be properly supervised.
- This product is intended for household use only and not for commercial or industrial use.
- No naked flame sources, such as lighted candles, should be placed on the product.
- Ventilation should not be impeded by covering ventilation openings with items such as newspapers, table cloths, curtains and the like.
- Make sure the unit is adjusted to a stable position. Damage caused by using this product in an unstable position or by failure to follow any other warning or precaution contained within this user manual will not be covered by warranty.

We, suggest retaining the packaging in case for future transport of the product.

If at any time in the future you should need to dispose of this product please note that: All batteries and accumulators need to be removed from this product (Removal of Waste Batteries and Accumulators).

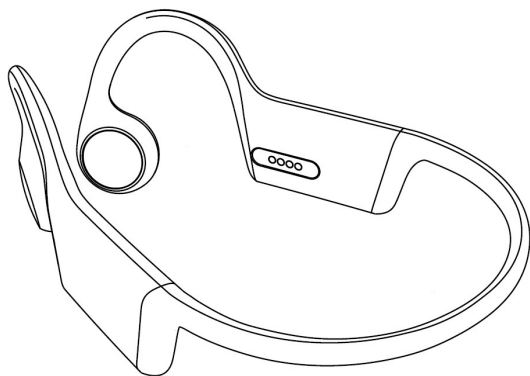| ⚠️ WARNING:	• When participating in the traffic listening to a personal music player can make the listener less aware of potential dangers such as approaching cars.

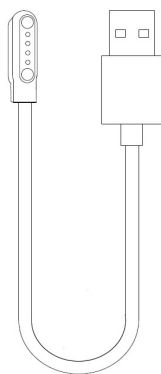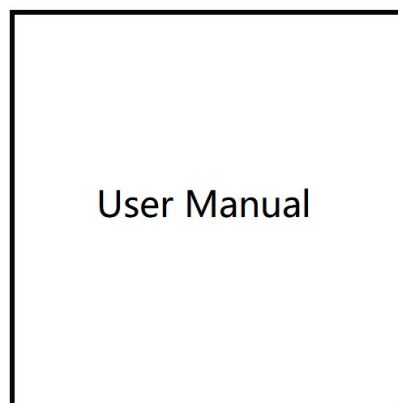| WARNING:	• Prolonged exposure to loud sounds from personal music players may lead to temporary or permanent hearing loss.

1.   What's in the Box

Headphone
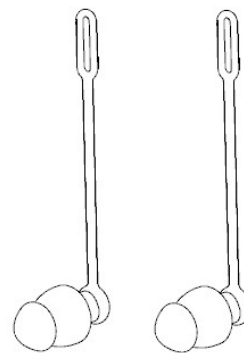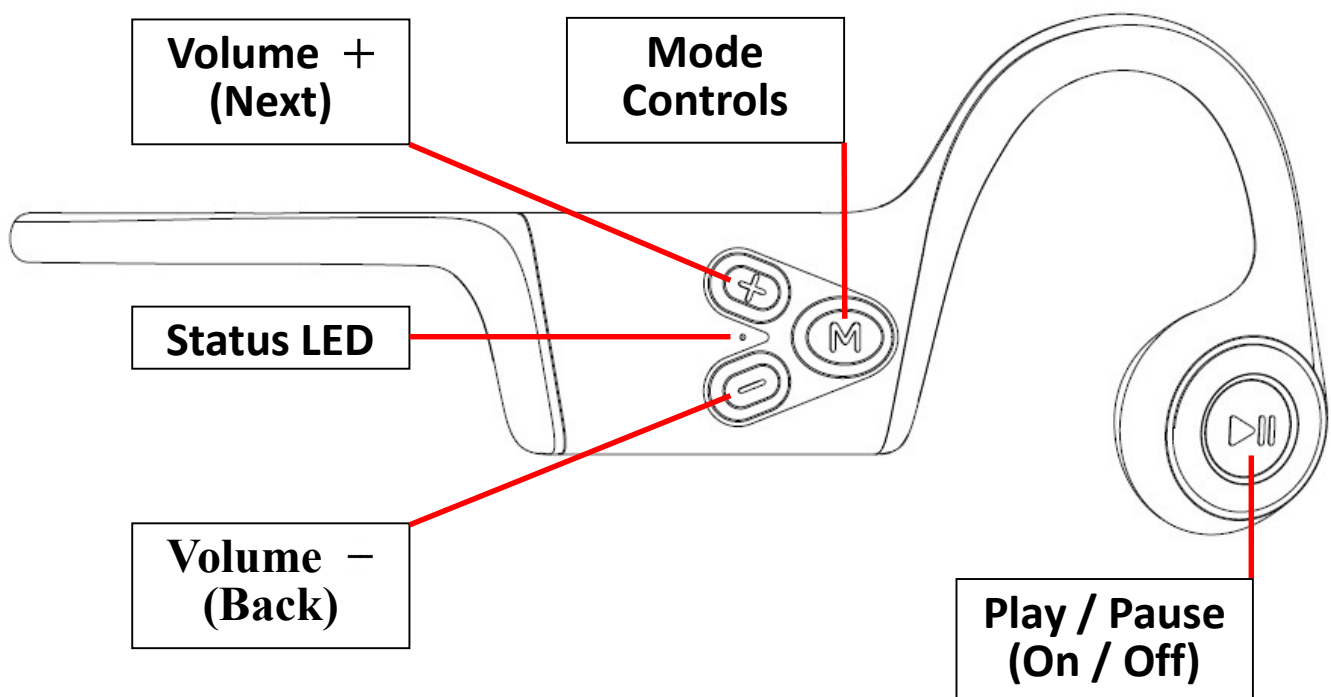
Seal Earplugs

USB Charging Cable
Magnetic Terminals Plug

User Manual

2. Headphone Buttons Control

Back View

L Transducer Pad

R Transducer Pad

Terminals
(For Charge/Upload Music)

Right View

Volume + (Next)

Mode Controls

Status LED

Volume − (Back)

Play / Pause
(On / Off)
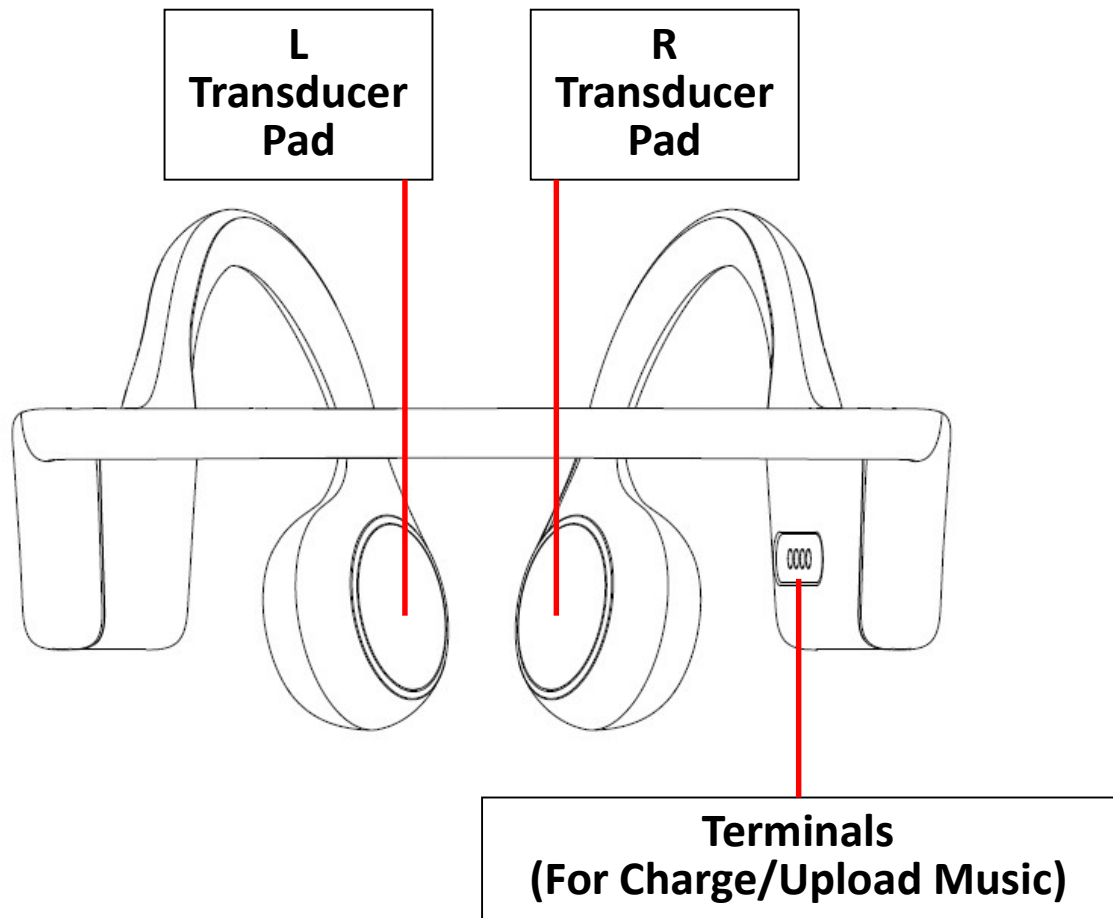
3. About Headphone's battery

- The device has an internal non–user-replaceable rechargeable lithium battery.
- For the first time use the device, let it charging for about 1 ~ 2 hours or until the **[Status LED]** indicator light from solid red turned to light off.
- The lithium battery of electronic devices is sensitive to long periods of inactivity. It is important to recharge it at least once a month to keep it functioning properly.

4. Terminals for charge and upload music

Important: *Headphone is equipped with terminals which let you connect for charge and upload music files. To avoid performance matter, make sure the headphone's terminals and terminals plug of USB cable are completely dry and without dirty before to use for connection.*

To charge:

Note: *The headphone will shut-down other operating function automatically when you have connected Headphone with USB Power Adapter or Computer for charging or upload music functions.*

- Use the Magnetic Terminals Plugs of the provided USB Charging Cable attach onto the Headphone's Terminals. And make sure that the magnetic terminals plug and terminals are proper placed. Please see illustrated for in below:
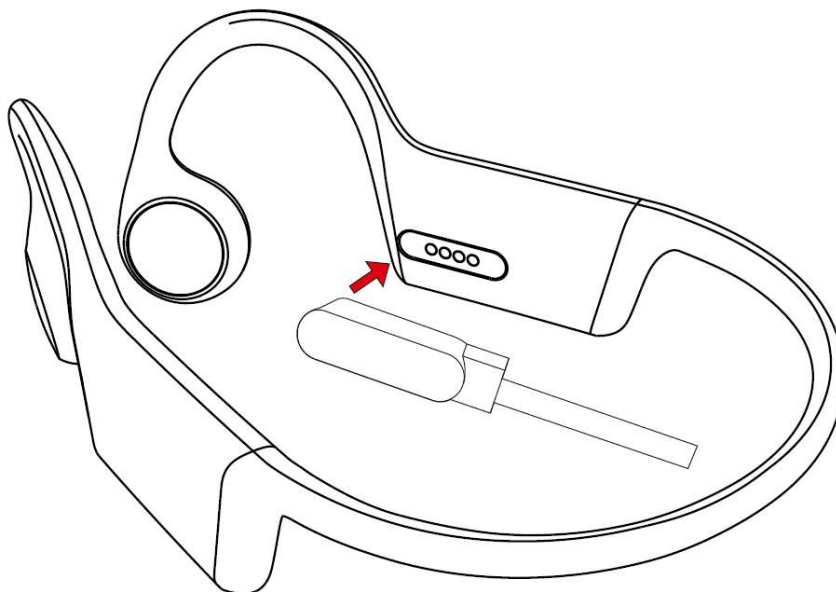
- Then, connect the Type-A plug of the USB Charging Cable to a USB port of your Computer or USB Power Adapter.
- The **[Status LED]** indicator will light solid red when the device is in charging.

- The **[Status LED]** indicator will light off from solid red when fully charged.
- Disconnect the USB Charging Cable from Headphone and Computer/Adapter once battery fully charged.

To upload music:

Note: Headphone is supports only for MP3, WAV, WMA, FLAC, APE audio file formats.

- Before you use the headphone **Local Player** function, connect the Headphone's terminals to a USB port of your Computer by the provided USB Charging Cable for upload the desired music onto it internal memory;
- Once connected, a hard-drive named **"BM111"** will be detected and appeared in "This PC" on your computer;
- On your Computer, use the **"Copy-and-Paste/Drag-and-drop"** functions to selects your desired audio file(s) or folder(s) drop them onto the root-directory of the BM111's drive.
- On a Windows computer, disconnect the BM111's drive by using the "Safely remove hardware" function.
- On a Mac computer, disconnect the BM111's drive by dragging the icon to the trash can.
- Disconnect the USB Charging Cable once upload music is completed.
- Or, leave it for charge the lithium battery.

5. How to wear

Note: If wearing your headphones not the right way could cause discomfort and degraded the listening performance.

- When wearing Bone Conduction Headphones, you have to make sure that they are rested on your cheekbones and the transducer pads are in front of your ears. Fit snugly, but not on your ear. Please see illustrated in below:
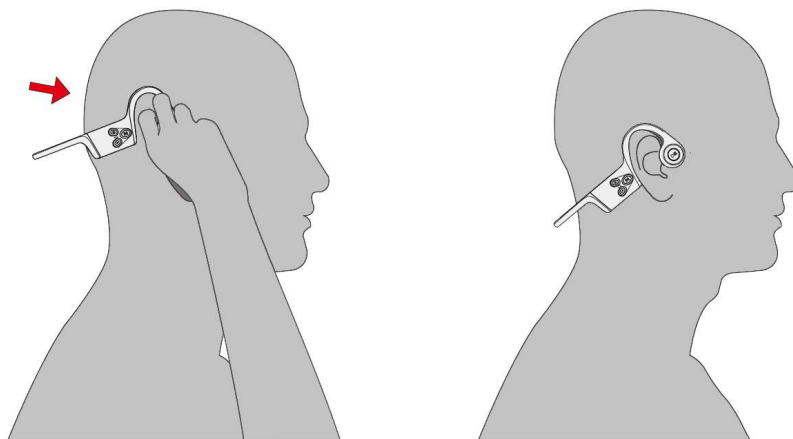
- This guarantees that they send the correct signal vibrations to the cheekbones in your ears.

6. ON / OFF

Power ON the headphone

Note: The headphone will be automatically power Off in 8 minutes if no Bluetooth connection be made.

- Long press the [▶️] button, for 2 - 3 seconds, until the **[Status LED]** indicator light on and flashes blue and red alternately.
  (Voice prompts will say：**"Power On"** -> **"% of remaining battery"** -> **"Bluetooth Mode"**)

Power OFF the headphone

- In operating mode, Long press the [▶️] button, for 2 - 3 seconds, until the **[Status LED]** indicator from current light effects to turn blue then off.
  (Voice prompts will say: **"Power OFF"**)
- Then, the headphone will be turned OFF in a second.

7. Bluetooth Pairing

*Note: For some Bluetooth mobile devices, you may need to input **"0000"** as pairing password.*

- Power ON the device by long press the [▶️] button, for 2 - 3 seconds, until the **[Status LED]** indicator light on and flashes blue and red alternately and voice prompts will say for the status.
- Open your mobile device's Bluetooth settings and select **"BM111"** in it list for pairing;
- The headphone's **[Status LED]** indicator light will switch from flashes blue and red alternately to slow flashes blue once per 4 seconds.
  (Voice prompts will say: **"Bluetooth connected"**)
- Now, the headphone is ready for Bluetooth audio playback function.

8. Disconnect from paired device

- In Bluetooth connected mode, long press the **[M]** button, for 2 - 3 seconds, to switch the headphone to new "Pairing" mode. The **[Status LED]** indicator light switch from flashes slow blue to flashes blue and red alternately.
  (Voice prompts will say: **"Bluetooth disconnected"**)
- The current paired device is disconnected. Now, you can process for new mobile device for pairing as you wanted.

9. Auto re-connects with paired device

- Every time you power ON the headphone; the Bluetooth mode will firstly be searching and pairing for the last paired mobile device whether it is available. The headphone will re-connect this mobile

device(s) as priority.
- If it not found in some seconds, the headphone will then switch to pairing mode internally and waiting for pair.
- The **[Status LED]** indicator light will switches and voice prompts will say according to the modes status.

10. Bluetooth Audio Playback

Note: Listening with headphone at high volume may affect your hearing and the audio may be distorted.

Play/Pause
- In Bluetooth paired mode, short press the **[▶❙❙]** button to starts music play. Or, selects the desired music file(s) to starts music play from mobile device's music APP listed. The **[Status LED]** indicator will light slow flashes blue once per 4 seconds.
- To pause the playing music, short press the **[▶❙❙]** button. Press it again to resume play.

Volume adjust
- While music is playing, adjust headphone's volume by short press or pressing either the **[Volume ＋]** or **[Volume －]** buttons.
(A "beep" will sound when the volume is at its maximum. or minimum)
- And/Or, adjust the volume on you mobile device.

Play for next / previous track
- While music is playing, long press either the **[Volume ＋]** or **[Volume －]** buttons until the next or previous track is selected to playback.

11. Mode Control (Multiple Functions)

I. Select Bluetooth mode
- Every time you power ON the headphone, it will entry to Bluetooth mode as default settings.
(Voice prompts will say: **"Power On"**-> **"% of remaining battery"** -> **"Bluetooth Mode"**)
- Repeatedly short press the **[M]** button can switch in-betweens the local player mode and Bluetooth mode as your desired.
(Voice prompts will say: **"Local Player Mode" or Bluetooth Mode.**)

II. Select Local Player Mode:
- In Bluetooth mode, short press the **[M]** button to entry the Local Player Mode.
(Voice prompts will say: **"Local Player Mode"**.)

- By system defaulted, each time your selects local player mode, the music starts playback automatically.

III. Disconnect Bluetooth Paired

- In Bluetooth connected mode, long press the **[M]** button, for 2 - 3 seconds, will disconnect the paired mobile device for new Bluetooth pairing.
 (Voice prompts will say: **"Disconnected"**)

IV. Select Repeat / Shuffle Play / Repeat All

- In Local Player mode and while music playing, Long press the **[M]** button until the voice prompts say for status; **"Repeat"** / **"Shuffle Play"** / **"Repeat All"** which one is in set now.
- Each time you long press the **[M]** button will selects next type of repeat function. Choose which one to use as you desired.

12. Local Player Mode

Note: Make sure that the music files have been uploaded onto the headphone's internal memory.

Switch to Local Player Mode

- Short press the **[M]** button to select the Local Player mode if it is in Bluetooth mode.
 (Voice prompts will say: **"Local Player Mode"**.
- And, the music starts playback automatically.

Play/Pause

- To pause the playing music, short press the **[▶❙]** button.
- Short press it again to resume play.

Volume

- While music is playing, adjust headphone's volume by short press or pressing either the **[Volume ＋]** or **[Volume －]** buttons.
 (A "beep" will sound when the volume is at its maximum. or minimum)

Play for next / previous track

- While music is playing, long press either the **[Volume ＋]** or **[Volume －]** buttons until the next or previous track is selected to playback.

Repeat / Shuffle Play / Repeat All

- While music is playing, long press the **[M]** button until the voice prompts say **"Repeat"** / **"Shuffle Play"** / **"Repeat All"** which one is in set now.
- Repeatedly long press the **[M]** button to selects until your desired

repeat function.

13. Low battery and auto power Off

- In the headphone detected the battery is in lower level, it will voice prompts **"Low Battery"** by every 5 minutes per once.
- When you heard this reminder, please connect the headphone to the Computer/USB power for charging.
- If not, the device will itself power OFF automatically when the battery is keeping low energy level in some time.
- In some low battery levels case, the device might not be turned the power On. If this happened, please recharging the battery at least 10 ~ 15 minutes, because the rechargeable battery has not enough energy for drive up the headphone.

14. Reset the Device

- In some circumstances, the device's function may hang and need to reset. To reset the device;
- Long press the **[▶❙]** button for 8 ~ 10 seconds, the device should reset and turn OFF automatically. After that, power ON the headphone for restart.

15. For Swimming

I. The Headphone is IPX8 waterproof design; however, it's not recommended you dive into a swimming pool more than 2 meter deeper while wearing the Headphone.
II. The headphone can be placed in fresh water, tap water, swimming pool, sea water, etc., but not be placed it in soapy water, bath liquid, laundry detergent, high temperature or humidity.
III. The charging pole-piece in the headphone is with anti-corrosion treatment. However, as seawater is highly corrosive, you are recommended to clean the headphone immediately when it is out of seawater.
IV. If you need to use the provided seal earplugs, gently wear them in your ears.
V. When earplugs fitted correctly, you should be able to notice while the headphone is not playing music that surrounding sounds will be significantly muted.
VI. Be aware that there is a risk of damage to your ears or eardrums if strong pressure is applied to the earplugs or the earplugs are suddenly removed from your ears.
VII. Remove the seal earplugs from your ears by gently twisting the stem, slowly allowing the seal the break without damaging or hurting the

ear and eardrums. The ear plugs must be thoroughly washed with soapy water, rinsed, and dried before reuse.

16. Cleaning after use in water

Important: *Headphone is equipped with terminals let you connect without cover for charge and upload music files. Need to be completely dry before to use for connection.*

- If perspiration, sand, or dirt gets on your Headphone, rinse it off with fresh water at room temperature or gently running by tap water immediately.
- When you wash the headphone, wash them by hand without using a brush, etc. Do not wash the headphone with hot water.
- Do not wash the Headphone in a washing machine or ultrasound bath, etc. Do not use detergent, chemicals, or wet wipes.
- After washing your Headphone, wipe away the water on them using a soft cloth, and then leave them in a well-ventilated shady place to dry.
- Do not dry the Headphone using hot air from a hair dryer. Doing so may cause deformation and deterioration of the water-resistant performance.
- Do not use the Headphone until they dry completely. Put a dry cloth under the Headphone and leave them at room temperature for about 2 or 3 hours.

17. Specification

Dimension	140mm x 98mm x 53mm (approx.)	
Weight	38g (approx..)	
Built-In Battery	Lithium 3.7V, 270mAh	
	Charging Time: 1.5 ~ 2 hours	
	Playing Time: 12 ~ 14hours @ 50% volume	
Terminals Connection	For Power: DC Input, 5V 500mA / 0.5A	
	For PC data: USB 2.0	
Bluetooth	Specification	V5.3
	Frequency Range	2.402GHz ~ 2.480GHz
	Supported Profile	A2DP (V1.3) AVRCP (V1.6)
	Connection Distance	Up to 10m (open area)
	TX Power	+ 8dBm (max.)
	Codec	SBC
Internal Storage	Capacity	32GB
Player Audio Playback	MP3	
	WMA	
	WAV	
	APE	
	FLAC	
Audio	Output Power	L: 200mW (8 Ohms) R: 200mW (8 Ohms)
	Freq. Responses	20Hz - 20000Hz
	SNR	> 70dB
Transducer	Bone Conduction	Impedance: 8 Ohms
	Sensitivity	70dB
Water Resistant	Waterproof: IPX8 (2 meters, 1 Hour)	
Operating Temperature	0 to 40℃	

18. Troubleshooting

Cannot power ON	• Check whether battery have enough energy.
Cannot charge	• Check whether Headphone's terminals and terminals plug are connected properly.
No sound	• Check whether Volume is set to "minimum".
Play music files fail.	• Corrupted WMA / MP3 may make a static noise and the sound may cut off. Make sure that the music files are not corrupted. • Check whether music files are supported formats.

19. Disclaimer

Updates to Firmware and/or hardware components are made regularly. Therefore, some of the instruction, specifications and pictures in this documentation may differ slightly from your particular situation. All items described in this guide for illustration purposes only and may not apply to particular situation. No legal right or entitlements may be obtained from the description made in this manual.

20. CE Declaration of Conformity

21. FCC statement

FCC Caution: Any changes or modifications not 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

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 genera RF exposure requirement.

The device can be used in portable exposure condition without restriction

FCC ID: 2A7DR-BM111V5