



# **EP-ZERO EARPHONES**

Owner's Manual

## **INTRODUCTION**

Thank You for your choice of RBH earphones. We are confident you will enjoy their ability to engage you with music as much as our speakers do. Please take a few minutes to read through this manual so you can extract the most from these earphones. After the first read through, consider keeping this manual in a handy place, just in case you need to refer to it.

## **FEATURES**

The RBH EP-ZERO ultralight earphones have built-in balanced drivers that deliver detailed sound and, when used with the foam noise-isolating ear tips, help you to better enjoy your music and media by significantly reducing outside noise. These powerful and stylish stereo earphones come with an owner's manual, carry pouch, 3 pairs of silicone ear tips (small, medium, and large), 3 pairs of noise-isolating foam ear tips (small, medium, and large), for a comfortable and personalized fit.

## **SAFETY PRECAUTIONS AND WARNINGS**

For safe and correct use of the EP-ZERO earphones, read the manual first. Keep the manual in a convenient place for future reference. Before using the earphones, please read and save the enclosed warnings and safety instructions.

## SAFETY PRECAUTIONS AND WARNINGS (Cont.)

Listening to audio at excessive volumes can cause permanent hearing damage. Please be careful to avoid permanent damage to your hearing. Overexposure to excessive sound levels can damage your ears resulting in permanent noise-induced hearing loss (NIHL). Please use the following guidelines established by Occupational Safety Health Administration (OSHA) on maximum time exposure to sound pressure levels before hearing damage occurs.

<b>90 dB SPL</b>	<b>95dB SPL</b>	<b>100dB SPL</b>	<b>105dB SPL</b>
8 hours	4 hours	2 hours	1 hour
<b>110 dB SPL</b>	<b>115 dB SPL</b>	<b>120 dB SPL</b>	
1/2 hour	15 minutes	Avoid or damage may occur	

- Do not use when a failure to hear your surroundings could be dangerous, such as while driving, biking, walking, or jogging where traffic is present and accidents could occur.
- Keep the product and its accessories out of reach of children. Handling or use by children may pose a risk of death or serious injury. Contains small parts and cords that may pose risk of choking or strangulation.
- Set the volume level of the audio device to a minimum, and then after connecting the earphones, adjust the volume gradually. Sudden exposure to loud noises could cause hearing damage.

## **SAFETY PRECAUTIONS AND WARNINGS (Cont.)**

- Turn up the volume control only far enough to hear properly.
- Ringing in the ears may indicate the volume level is too high. Try lowering the volume.
- If you connect these earphones to an airplane's sound system, listen at low levels so loud messages from the pilot do not cause discomfort.
- We recommend having your hearing checked by an audiologist on a regular basis. If you experience wax buildup, discontinue use until a medical professional examines your ears and hearing.
- Failure to clean or maintain ear tips and nozzles according to manufacturer's instructions may increase the risk of ear tips detaching from the nozzle and becoming stuck in the ear canal.
- Prior to inserting the earphones, always check the ear tips to make sure they are firmly attached to the nozzle.
- If the ear tips get stuck in your ear, seek medical assistance to remove the ear tip. Ear damage may be caused if non-professionals attempt to remove the ear tip
- Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
- Do not immerse in water while taking a bath or washing your face, otherwise sound deterioration or product failure may occur.

## **SAFETY PRECAUTIONS AND WARNINGS (Cont.)**

- Do not use while sleeping as accidents such as strangulation may occur.
- Use a slow, twisting motion to remove the earphones. Never pull or yank on the earphone cord.
- Stop using the earphones immediately if they are causing great discomfort, irritation, rash, discharge, or any other uncomfortable reaction.
- If you are currently receiving ear treatment consult your physician before using this product.

## **PLUGGING IN CABLE**

When inserting the cable connector into your media device, make sure the connector is secure and has a snug fit.

- Do not use pliers or other tools on any part of the earphones or connector.
- Grasp the connector and the connecting device as close as possible to where they join when plugging in or unplugging the connector.
- Pull the connector straight out, do not twist.
- Do not pull on the cable or apply any pressure on the earphone nozzle.

## SELECTING AN EAR TIP

The ear tips' job is to create a seal in your ear canal to keep your music in and other sounds out. Sound quality, performance and noise isolation all depend on a good seal. Everyone has a different size and shape ear and ear canal, so different tips will radically change the sound quality of these earphones. Please choose the ear tip that fits best, creates the best seal and is the most comfortable. If you can easily hear outside noises when the volume is down or off, you probably don't have a good seal. To get a better seal and improve on the sound, either twist the ear tip in deeper (okay option), change the angle of the earphone in your ear (better option), or choose a different size ear tip (best option).

## MIC FUNCTIONS

Below are some basic functions using the push button on the mic. These functions may vary depending on your phone manufacturer. You will need to play with the functions to see what works best with your phone.



Mic Button

### **Push Button Once**

- Answer or Hang-up a Call
- Mute or Un-mute
- Play/Pause Music

### **Push Button Twice**

- Hang-up a Call
- Next Song
- Call Last Number

### **Long Hold Button**

- Previous Track
- Accesses Google assistant/ Siri when music is paused

## INSERTING THE EAR TIPS

### Foam Tips

1. Place your thumb on the outside of the foam ear tip and push the foam tip opening towards the earphone to ensure the tip stays open.
2. Roll down or compress the foam cushion into a thin, round cylinder. (see *Figure 1*)
3. Pull back on ear slightly to open ear canal. Gently insert the tip into the ear as far down as is comfortable. (see *Figure 2*)
4. Hold ear cushion in place for approximately 5-10 seconds while the foam expands to create a tight seal. (see *Figure 3*)



*Figure 1*



*Figure 2*

### Silicone Tip

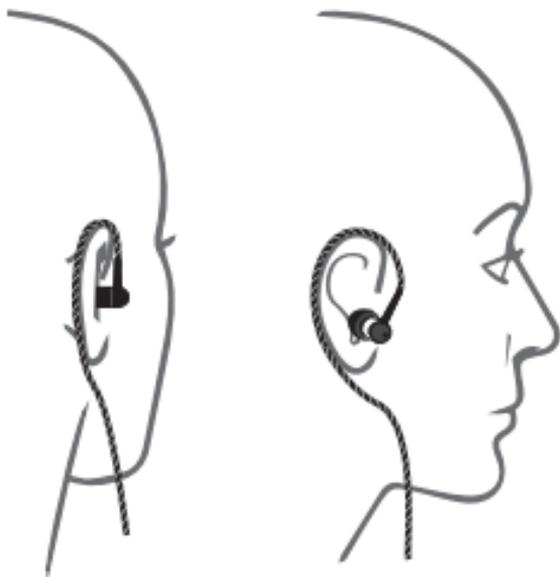
Carefully insert the ear tip while pulling back on the ear slightly to open ear canal. Gently insert the tip into the ear as far down as is comfortable. Outside noise should almost immediately be blocked out.



*Figure 3*

## CABLE NOISE REDUCTION

The earphones can be worn with the cables over the ears to reduce cable noise as shown in the illustration below.



## TIPS

Grasp the body of the earphone and gently twist and pull the tip to remove it. DO NOT hold or pull on cable while removing the tip.

Twist and pull off the ear tip to remove it from the nozzle. Slide on a new ear tip so that it completely covers the barb and the nozzle. (see Figure 4)

Select an ear tip that provides the best fit and sound isolation. It should be easy to insert into the ear, fit comfortably, and easy to remove from the ear (see Figure 4). For foam tips, recommended replacement is after three months of regular use.



Figure 4

## CLEANING THE EARPHONES

Over time, an ear cushion may lose its elasticity. If this happens and you notice a drop in performance, congratulations ... you have good ears! You also might want to replace the cushions to get back to the earphones' original performance level. A few other suggestions are:

1. Remove the ear cushion from the earphone (instructions above). If using the foam tips, please discard and replace with new. If using a silicone cushion, wash with mild soap and dry thoroughly.

## **CLEANING THE EARPHONES (Cont.)**

2. Clean the earphone nozzle with a damp soft cloth or an antiseptic cloth (DO NOT use alcohol), then dry thoroughly.
3. Be sure that there is no earwax (come on now, it might be gross but we all have it) or other object plugging the nozzle preventing sound from coming through.

## **EARPHONE MAINTENANCE**

- Careful maintenance ensures a tight seal between the ear tip and the nozzle and improves sound quality.
- Keep the earphones and ear tips clean.
- To clean ear tips, remove them from earphones, gently rinse in warm water and air dry. Foam ear tips require a longer drying time. Inspect for damage and replace if necessary.
- Wipe the earphones and ear tips with mild antiseptic to avoid infections, DO NOT use alcohol.
- DO NOT expose earphones to extreme temperatures.
- Replace the ear tips if they do not fit properly into your ears.
- DO NOT attempt to modify this product. Doing so will void the warranty and could result in personal injury.

## SPECIFICATIONS

**Transducer Type:** 6mm Dynamic Equilibrium Driver

**Total Harmonic Distortion:** <3dB

**Sensitivity:** 103dB

**Impedance:** 24 Ohms

**Plug Type:** 3.5mm

**Cable:** 1.2mm High Quality TPE Reduced Tangle

**Frequency Response:** 20Hz-20,000Hz

**Input Connector:** Gold-Plated 3.5mm (1/8") Jack

## WARRANTY

Your EP-ZERO earphones are covered by a limited warranty against defects in materials and workmanship for a period of 90 days (excluding ear tips) from the original date of purchase. Warranty repair will be performed only when your purchase receipt is presented as proof of ownership and date of purchase. Defective parts will be repaired or replaced at the sole discretion of RBH Sound without charge. Charges for unauthorized service and transportation cost are not reimbursable under this warranty. This warranty is void if any repairs or service covered by the terms of this warranty are made to any component of this product by anyone other than RBH Sound. This warranty is void for damage caused by ordinary wear and tear, cosmetic damage, incorrect

## **WARRANTY (Cont.)**

connection, accidents, abuse, misuse, negligence, natural or personal disaster or unauthorized modification. This includes exposure to heat, cold, sun, liquids, sand and contaminants. This warranty is void for products sold as-is, display models, open box, second hand, or any other times the product may have been opened or used before your purchase or acquisition of the product. This warranty is void if this product is damaged due to a defect in the device to which it was connected, such as battery leak or electrical fault. RBH Sound assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from the failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of this express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

## **WARRANTY REGISTRATION**

Complete and submit the registration form found online at <https://rbhsound.com> to register your earphones.

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