



**ISOtunes**<sup>®</sup>

**FREE AWARE**

THE NEXT GENERATION OF HEARING PROTECTION™

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# Location of Controls



## Left Earbud Touch Surface Functionality

### Aware Technology

UP (+): Single Tap

DOWN (-): Double Tap

## Right Earbud Touch Surface Functionality

### Music

Play/Pause: Single Tap

Next Track: Double Tap

Previous Track: Triple Tap

### Phone Call

Answer: Single Tap

End/Reject Call: Long Press

Mute/Unmute Microphone: Single Tap

No music volume control. Music/phone call volume is controlled by the device (ie. smartphone)

# Aware Technology™

This product includes Aware Technology. This is a microphone technology that allows the user to hear the world around them, but always at a safe listening level. When ambient noise breaches a safe listening level, the microphone technology immediately responds and attenuates to a safe level.

Adjusting the Aware Volume is easy. Simply tap the **left earbud (2L)** once for Aware Volume Up and tap the **left earbud (2L)** twice for Aware Volume Down.



**Left Earbud (2L)**

# Charging the Earbuds

There are three batteries to charge:

- Charging Case Battery
- Left Earbud Battery
- Right Earbud Battery

Place earbuds into the charging case. The earbuds' **LED Indicator Light (3)** should be solid red, indicating that the earbuds are charging (if the **LED Indicator Light (3)** doesn't appear, refer to the troubleshooting section at the end of this manual).

## Earbud LED Indicator Light (3)

- Solid Red = Charging (Earbuds in case)
- Solid Blue = Fully Charged (Earbuds in case)

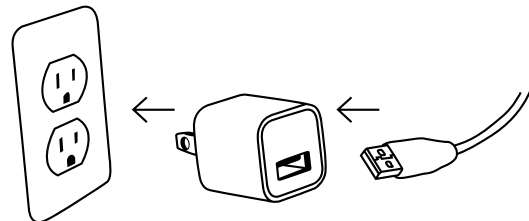
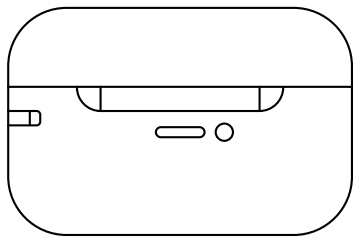


# Charging the Case

Insert USB C charging cable to charge the case. The Charging Case Battery Indicator Lights will start flashing to indicate the charge level.

## Charging Case Indicator Light

- 25% Battery Life
- 50% Battery Life
- 75% Battery Life
- 100% Battery Life



### **IMPORTANT CHARGING INFORMATION**

Please charge with the included USB C cable by plugging it into the Charging Port.  
*\*Charging voltage should not exceed 5v.*

# Power On/Off

## Method 1

**Power On:** Open the charging case. The earbuds will power on.

**Power Off:** Place the earbuds into the charging case and close the case. The earbuds will power off.

## Method 2

**Power On:** In OFF MODE, touch and hold R earbud (**2R**) until you hear “Power On” this will turn on your R earbud. Repeat with other earbud (**2L**) (est. time three seconds)

**Power Off:** In ON MODE, touch and hold R earbud (**2R**) for 5 seconds until you hear “Power Off” this will turn off your R earbud. Repeat with other earbud (**2L**) (est. time five seconds)



### **Earbud LED Indicator Light (3)**

● Blue Flash = Power ON

● Red Flash = Power OFF

# Bluetooth Pairing

After powering on, the headphones will automatically enter Pairing Mode. You will hear “Bluetooth Pairing Mode” and the LED Indicator Light (3) will flash, alternating Blue and Red on both earbuds.

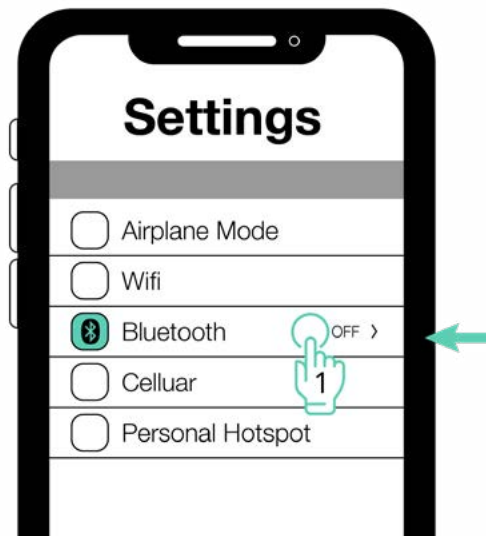


**Earbud LED Indicator Light (3)**

 Red/Blue Flash = Pairing Mode

**A**

Open your Bluetooth settings on your device.



**B**

Search “ISOtunes FREE Aware.”  
Pair and connect.  
Once connected you will hear “Bluetooth Connected.”



# Music (Right Earbud Control)

▶|| **Play/Pause:** Single tap of the Touch Surface **(2)**

▶▶ **Next Track:** Double tap of the Touch Surface **(2)**

◀◀ **Previous Track:** Triple tap of the Touch Surface **(2)**

## Volume Control

Music and phone call volume control is controlled by the paired device (ie. smartphone)



Right Earbud

(2R)

# Phone Calls (Right Earbud Control)

Answer/End Call: Single Tap Right Earbud

Reject Call: Long Press Right Earbud

End Call: Long Press Right Earbud

Place on Hold/Switch Calls on Hold: Double Tap Right Earbud

Mute/Unmute Microphone: Single Tap Right Earbud

## Siri / Google Assistant

Press and hold Touch Surface **(2)** for 1 second.



Right Earbud

(2R)

# Troubleshooting

## Fitting

1. Carefully compress the foam eartip on the stem/sound port.
2. Insert the eartip into your ear as deeply as comfortable.
3. Slightly rotate earbud until it is secure in the bowl of your ear.
4. Make the earbud rest tightly next to your inner ear edge.

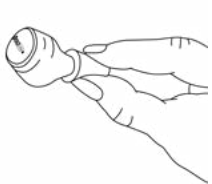


FIG. 1

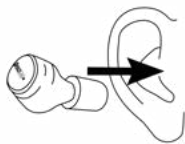


FIG. 2



FIG. 3



FIG. 4

## Factory Reset

**For issues with with powering off, pairing, or touch surface functionality we recommend a factory reset. As a result, Bluetooth will be disconnected and the device will need to be repaired.**

1. Remove "ISOtunes FREE Aware" from your paired Bluetooth devices in your smartphone.
2. Press and hold the battery life indicator button on the back of the case for ten seconds with both earbuds in the case.
3. LED lights on the charging case will flash to indicate a successful pairing reset.
4. Follow Bluetooth Pairing Instructions to re-pair your device.

## Legalities

### Fitting

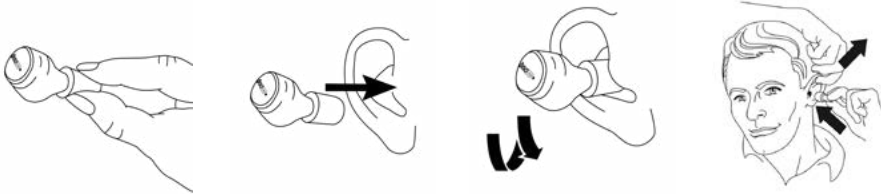


FIG. 1

FIG. 2

FIG. 3

FIG. 4

### ANSI S3.19-1974 Table (NRR Table)

Frequency, Hz	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Grand Mean Attenuation, dB	30.7	28.3	33.7	33.5	32.9	33.9	35.9	40.1	42.7	<b>25</b>
Frequency, Hz	5.0	3.4	5.0	3.3	2.5	2.4	4.3	2.6	2.1	

### EN352-2:2002 Table (SNR Table)

B1: Frequency, Hz	125	250	500	1000	2000	4000	8000
B2: Mf (dB)	28.5	31.8	34.9	34.6	33.4	40.2	45.2
B3: sf (dB)	4.2	4.0	5.1	5.1	3.6	4.6	3.5
B4: APVf	24.3	27.9	29.8	29.6	29.8	35.8	41.7

B5:  
 SNR: 36 dB  
 H= 37 dB  
 M= 34 dB  
 L= 29 dB  
 APVf=MF-SF9 (dB)

### Models

IT-15 FREE Aware

IT-16 FREE Aware EN 352

### Important

Please read, understand, and follow all safety information. This product is designed to protect against harmful noise.

Please note, only IT-16 is EN 352 Certified.

### Fitting

ISOtunes® FREE Aware comes with a pair of One-Size-Fits-All TRILOGY™ Triple Flange eartips and 6 sets of foam eartips tall and short (S,M,L). Choose the size that fits the most snug in your ear canal. Remember, the snugger the fit, the better the noise reduction.

ISOtunes® TRILOGY™ foam eartips have a threaded core, and the sound port of the earbud is also threaded.

1. Carefully compress the foam eartip on the stem/sound port.
2. Insert the eartip into your ear as deeply as comfortable
3. Slightly rotate earbud until it is secure in the bowl of your ear.
4. Make the earbud rest tightly next to your inner ear edge.

Hint: To open your ear canal wider, lift the top of your ear up and away from your head, as shown in FIG 4.

Please Note: should the included Triple Flange eartips not fit your ears, all ISOtunes® TRILOGY™ eartips fit this product. Eartips other than the ISOtunes® TRILOGY™ silicone eartips size are not NRR/SNR rated for ISOtunes FREE Aware, but should offer reasonable attenuation and performance.

### Introduction

Thank you for purchasing ISOtunes® FREE Aware True Wireless Noise-Isolating Earbuds. These earbuds have been specifically designed for use in noisy environments – allowing you to block out much of the surrounding noise so that you can listen to your music or talk on the phone with less interruption.

### Power ON/OFF

#### Method 1

Power ON: Open charging case

Power OFF: Place earbuds into charging case and close the lid.

#### Method 2

Power ON: In OFF mode, press and hold MFB for 3 seconds.

Power OFF: In ON mode, press and hold MFB for 3 seconds.

### Bluetooth Pairing

After powering on, the earbuds will automatically enter Bluetooth Pairing Mode. Look for quick red and blue flashes from the earbud as a confirmation. Open the Bluetooth settings on your

device. Search for "ISOtunes FREE Aware". Pair and connect. You will hear "Bluetooth Connected" once connected.

## Charging

There are three batteries to charge:

1. Charging Case Battery
2. Left Earbud Battery
3. Right Earbud Battery

### Charging the Case

Insert USB type C charging cable to charge the case. The charging case battery indicator light will start flashing to indicate charge level

### Charging the Earbuds

Place earbuds into the charging case. The earbuds' red indicator light should be solid red, indicating that the earbuds are charging.

Only charge your ISOtunes FREE Aware with a Maximum 5 Volt charger. Using a charger higher than 5 Volts could be dangerous and may damage your ISOtunes product. Be especially careful with "quick charge" or "turbo charge" chargers, which often supply 9, 12, or 15 Volts. Your ISOtunes FREE Aware cannot be charged at voltage levels above 5 volts.

## Battery Capacity

ISOtunes® FREE Aware supports Bluetooth® battery level indicator. This means that when connected to iOS devices, the battery power status can be seen in the upper right corner of the screen. Please use this as guideline - there are many factors to battery level accuracy that influence this measurement. (For example - although the battery power status may show 30% battery power remaining, this may actually only be 5-10% on your ISOtunes®.)

## Noise Attenuation

This product has been tested to the European Safety Standard

EN352-2:2020 and the ANSI S3.19-1974 standard for a hearing protector, with a Single Number Rating (SNR) of 32 dB and a Noise Reduction Rating (NRR) of 25 dB. Full testing details are available in the Noise Attenuation section of this booklet.

### **ANSI S3.19-1974**

The level of noise entering a person's ear, when ISOtunes® FREE Aware headphones are worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the Noise Reduction Rating (NRR). Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the enclosed instructions for proper fitting.

A1: Frequency (Hz)

A2: Mean Attenuation (dB)

A3: Standard Deviation (dB)

Example:

1. The surrounding noise level measured at the ear is 100 dB.
2. The NRR of ISOtunes® FREE Aware is 26 dB.
3. The noise level entering the ear is approximately equal to 74dB.

Please note that the NRR is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise, such as gunfire.

### **EN 352**

B1: Frequency (Hz)

B2: Mean Attenuation (dB)

B3: Standard Deviation (dB)

B4: Assumed Protection Value (APV) (dB)

B5:

H = Hearing protection estimation for high frequency sounds ( $f \geq 2000\text{Hz}$ )

M = Hearing protection estimation for medium frequency sounds ( $500 \text{ Hz} < f < 2000\text{Hz}$ )

L = Hearing protection estimation for low frequency sounds ( $f \leq 500\text{Hz}$ )



The EU declaration of conformity for IT-16 can be accessed at [www.isotunes.co.uk/EU-declaration-of-conformity](http://www.isotunes.co.uk/EU-declaration-of-conformity)

The products will be certified to the Product standard EN 352-2:2002 and the PPE Regulation 2016/425

### **SafeMax™ Technology**

ISOtunes® FREE Aware incorporates SafeMax™ Technology, therefore its volume output has been limited to 85 decibels (IT-15), or 79 decibels (IT-16). ISOtunes® devices with SafeMax™ Technology are OSHA, and ANSI compliant.

### **Cleaning and Maintenance**

- Clean your ISOtunes FREE Aware by gently wiping them with a clean, damp cloth with mild soap.
- Do not immerse the earbuds in water.
- Do not use abrasive cleaning solvents to clean the earbuds.

If the earbuds get wet from sweat or rain, please discontinue use and allow them to dry.

Trilogy foam eartips are disposable. To ensure peak performance, we recommend replacing TRILOGY™ Foam Tips every three months or when they become soiled. In order to purchase additional tips, please go to [www.ISOtunes.com](http://www.ISOtunes.com) or [www.ISOtunes.co.uk](http://www.ISOtunes.co.uk)

Clean your ISOtunes® FREE Aware by gently wiping them with a clean damp cloth. Mild soap can be applied to the cloth.

Do not use abrasive cleaning solvents to clean the headset. Avoid scratching the headset with sharp objects, as this may cause damage. Keep the headset away from high temperature areas.

The TRILOGY™ foam eartips should be regularly inspected for deterioration, cracking, or other damage. The eartips can be cleaned in between uses with a damp cloth and water. Overtime,

the eartips should be replaced.

### **WARNINGS**

ISOtunes® FREE Aware does an excellent job of blocking outside noise. As such, ISOtunes® FREE Aware should NOT be used in environments where users need to be fully aware of their surroundings for personal safety reasons. For example, do NOT use them while driving a car or riding a motorcycle. Similarly, do NOT use them when riding a bicycle outside. The user is solely responsible for ensuring that ISOtunes® FREE Aware is used ONLY in safe environments.

This product may be adversely affected by certain chemical substances. Further information may be sought from the manufacturer.

These earplugs should not be used in situations where there is a risk that the connecting cord could be caught up during use.

### **Recommendations**

The wearer should ensure that the product is properly cleaned and dry before and after use. Storage should be in a clean and dry location between -20 °C and 50 °C.

The battery should not be fully discharged before long term storage.

The wearer should ensure that:

- The hearing protector is fitted, adjusted, and maintained in accordance with the manufacturer's instructions.
- The hearing protector is worn at all times in noisy surroundings.
- The hearing protector is regularly inspected for serviceability.

If these recommendations are not adhered to, the protection afforded by the hearing protector maybe severely impaired.

### **Additional Notes**

ISOtunes® FREE Aware is compliant with Bluetooth® V5. We do not guarantee compatibility of all functions on every Bluetooth®-enabled device. Please check your device's user manual for compatibility and functionality.

For additional information or questions about IStunes® products or spares and accessories, please contact our support team.

Weight: 15g (both earbuds), 50g (case)

Date of Obsolescence: 3 years from purchase date

Not to be used in Explosive Atmospheres

### **FCC**

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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

RF warning statement: The device has been evaluated to meet general RF exposure requirements. The device can be used in portable exposure conditions without restriction.

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