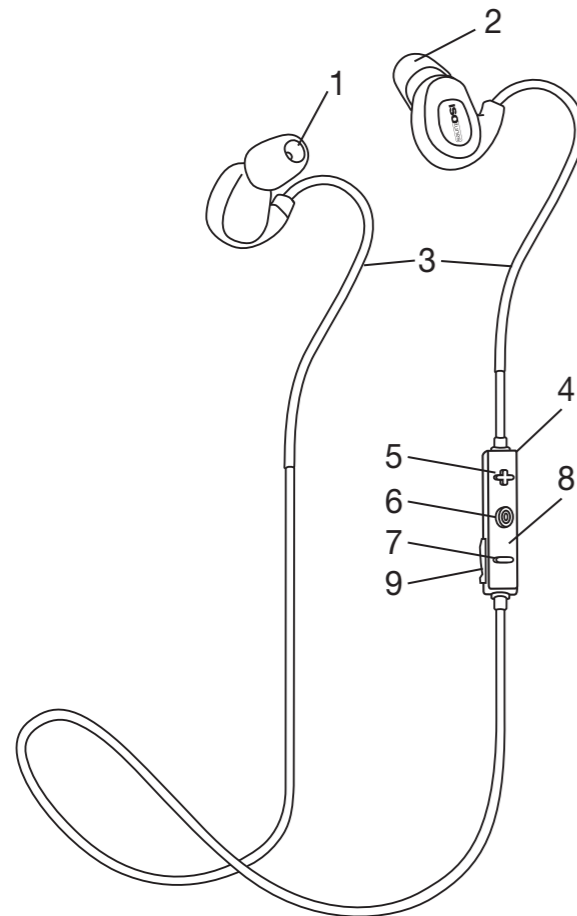# ISOtunes PRO

SAFETY GREEN

Bluetooth® Noise-Isolating Earbuds

Introduction

Thank you for purchasing **ISOtunes® PRO Safety Green Bluetooth®** Noise Isolating Earbuds.

These earbuds have been specifically designed for use in the loudest 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. This product has been tested and meets the ANSI & NIOSH standards for a hearing protector, with a Noise Reduction Rating (NRR) of **27 dB**, and is designed such that you cannot damage your hearing, at any sound level. Full testing details are available in the **Noise Attenuation** section of this booklet.

1. Speakers
2. TRILOGY™ Memory Foam Ear Tips
3. Custom Fit Memory Wire
4. Battery Box
5. Volume Up Button (+)
6. Multifunction Button (MFB)
7. Volume Down Button (-)
8. Indicator Light
9. Micro USB Charging Port

Fitting

ISOtunes® PRO comes with 4 sets of **TRILOGY™** Foam eartips (XS,S,M,L) and 1 set of rubber triple flange eartips. The foam eartips have been specifically designed for use with **ISOtunes® PRO** and are made from a heat-activated memory foam which allows long term, comfortable wear and enhanced sound performance. The foam eartips provide maximum noise reduction while the rubber eartips are recommended for use in less noisy situations.

The device comes with the Medium size eartips already in place. Choose the eartip size that fits most snugly in your ear canal. Remember, the snugger the fit, the better the noise attenuation. **PLEASE NOTE:** The core of the foam eartips are threaded, as are the posts on the earphones that they attach to. Please **GENTLY** twist foam on/off to replace the eartips.

Place the wire around the back of your neck in preparation for inserting the eartips. Grasp the right earbud with your right hand. With your left hand, compress the foam for easier insertion. Once the foam is sufficiently compressed, release the foam and use your left hand to pull your right ear back and away from your head to open your ear canal, as shown in the illustration below. With your right hand, insert the earbud into your ear canal, working it is as deeply as you are comfortable with for maximum noise attenuation. Repeat for the opposite side. Once the earbuds have been placed, the foam tips will expand to fill your ear canal,

providing you with superior noise isolation and the best possible listening experience.

ISOtunes® PRO has built-in custom fit memory wires. These wires gently wrap around the top and back of your ears for a personally unique fit, and maximum comfort and stability.

Operating Your ISOtunes® PRO Headphones

Operation	LED Status
Power On	Blue LED flashes 2 times slowly, then 2 times quickly twice
Power Off	Red LED flashes 4 times
Pairing	Red LED & Blue LED flash alternately
Standby	Blue LED flashes 3 times quickly every 5 seconds
Low Battery	Red LED flashes once per second
Charging	Red LED stays on during charging Blue LED indicates charging is finished

On / Off

Press and hold the multifunction button for 2 seconds. A blue LED will flash two times slowly, then two times quickly twice in a row, indicating the headphones are powered on.

Press and hold the multifunction button for 3 seconds. A red LED will flash slowly 4 times, indicating the headphones are now powered off.

Bluetooth Pairing

Make sure the headphones are powered off. Press and hold the multifunction button

for 5 seconds to enter into pairing mode, at which time red and blue lights will flash alternately. Activate your phone or device's **Bluetooth®** function, search for **ISOtunes® PRO** and select. If a PIN is required, enter "0000" to connect.

After powering off and powering back on again, **ISOtunes® PRO** will automatically reconnect with its paired device, if in range.

Audio Control Functions

Adjust Volume: Press the 'volume up' or ' volume down' buttons to adjust the volume. A beep will indicate when you've reached maximum or minimum volume.

Play/Pause: Press, but do not hold, the multifunction button to play or pause your music.

Previous Track: While listening, press and hold the 'volume down' button for 2 seconds to go back to the previous track.

Next Track: While listening, press and hold the 'volume up' button for 2 seconds to skip to the next track.

•• This product is **NOT** able to accept phone calls.

Battery Capacity Status

ISOtunes® PRO supports **iOS 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.

Charging

We recommend charging your **ISOtunes® PRO** fully before its first use. Use the included USB charging cord to connect to the micro-USB port on the controller of the headphones. A red LED indicates your headset is charging, while a blue LED indicates the charging has finished. When the battery is low, the indicator light will flash red,

accompanied by periodic beeps.

IMPORTANT CHARGING INFORMATION

In order to ensure proper earbud performance, ONLY charge your **ISOtunes® PRO** earbud with a MAXIMUM 5 Volts/1 Amp charger. Using a charger higher than 5 Volts/1 Amp could be dangerous and may damage your **ISOtunes® PRO** product.

DualConnect Function

ISOtunes® PRO is capable of connecting with two **Bluetooth®**-enabled mobile phones at the same time.

To pair with two devices simultaneously:

1. From OFF mode, press and hold the multifunction button until the indicator light flashes red and blue alternately, entering pairing mode. Pair with phone A.

2. Power off your **ISOtunes® PRO** and then repeat the pairing process with phone B.

3. After pairing with phone B, power off the headphones again.

4. Then, power on your **ISOtunes® PRO** again. It should automatically connect to its most recently paired device, phone B.

5. Press both the 'volume up' and 'volume down' buttons simultaneously, twice in a row. Your **ISOtunes® PRO** will now be connected to both mobile phones.

SafeMax™ Technology

ISOtunes® PRO incorporates **SafeMax™ Technology**. It's volume output has been limited to **79 decibels**. **ISOtunes®** devices with **SafeMax™ Technology** are OSHA, NIOSH, and ANSI compliant.

Noise Attenuation

APPROVAL: **ISOtunes® PRO** is tested and approved in accordance with ANSI S3.19-1974 Specifications.

NRR

Frequency, Hz	125	250	500	1000	2000	3150	4000	6300	8000	NRR
Grand Mean Attenuation, dB	24.0	25.9	32.5	36.2	35.9	39.2	40.8	45.5	45.3	**27**
Standard Deviation, dB	4.1	3.5	3.6	3.5	2.3	3.4	3.0	4.0	4.0	

The level of noise entering a person's ear, when **ISOtunes® PRO** 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.

Example:

1. The surrounding noise level measured at the ear is 97 dB.

2. The NRR of **ISOtunes® PRO** is 27 dB.

3. The noise level entering the ear is approximately equal to 70 dB.

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.

SNR

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mf (dB)	26.3	25.9	28.4	34.5	38.9	41.1	46.1
sf (dB)	5.3	5.0	4.4	4.4	3.9	3.9	4.6
APVf (dB)	21.0	20.9	24.0	30.1	35.0	37.2	41.5

SNR=32dB H=35dB M=28dB L=24dB   APVf=Mf-sf (dB)

Guarantee

There is a one year guarantee against defects in material and workmanship. The guarantee does not cover damage by misuse, abuse or unauthorized modifications.

Maintenance

: : Clean your **TRILOGY**™ Foam Tips by gently wiping them with a clean, damp cloth. Use water only. Do not clean tips with alcohol-based cleaning solutions. Let tips dry completely before next use. To ensure peak performance, we recommend replacing **TRILOGY**™ Foam Tips every three months or when they become soiled.

: : 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, humidity, and dust.

WARNING:

ISOtunes® PRO does an excellent job of blocking outside noise. As such, **ISOtunes® PRO** 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® PRO** is used ONLY in safe environments.

Additional Notes

: : **ISOtunes® PRO** is compliant with **Bluetooth®** V4.1. We do not guarantee compatibility of all functions on every **Bluetooth®**-enabled device. Please check your device's user manual for compatibility and functionality.

Specifications

Bluetooth® version: 4.1

Stand-by time: 300 hours

Music play time: Up to 10 hours*

Wireless range: Up to 30 feet

Bluetooth® profiles: A2DP/ AVRCP/ HSP /HFP

Impedance: 16Ω

Sound pressure level: 79±3dB

Frequency Response: 20Hz---20 KHz

Weight: 16.5 g

Dimension: 24.9x14x22.6mm earbud size, 680 mm cord length

IP55 dust and sweat/water-resistant

Charging time: 2-3 hours

*Time may vary based on user settings.

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IMPORTANT CHARGING INFORMATION

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If you're looking for quality headphones, visit our website.