

# ISOtunes®

## ISOtunes LINK 2.0 IT-48/IT-49

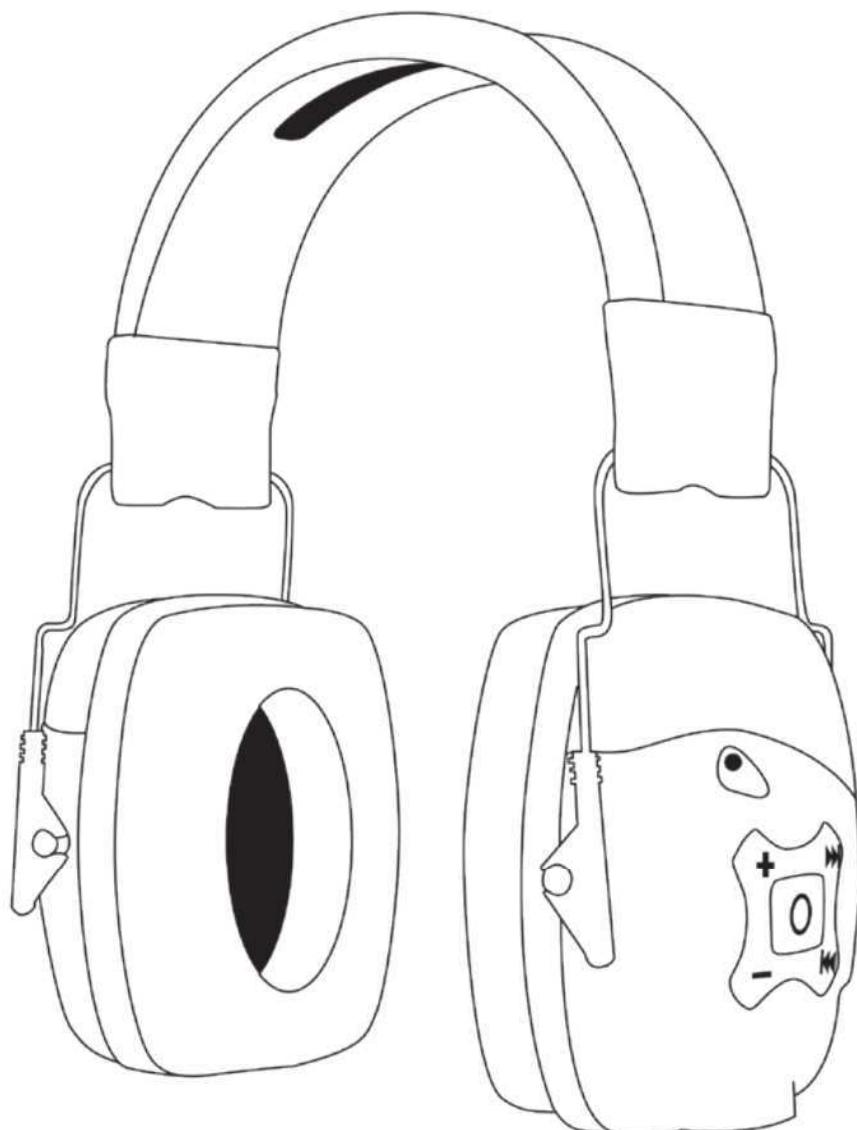




FIG 1



FIG 2



FIG 3

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

A1: Frequency, Hz	125	250	500	1000	2000	3150	4000	6300	8000	NRR
A2: Grand Mean Attenuation, dB	19.9	22.3	27.8	30.8	38.8	44.3	50.0	46.3	42.4	25
A3: Standard Deviation, dB	3.7	2.9	2.4	2.3	3.8	3.9	3.8	3.1	4.3	

### EN 352-1:2002 Table (SNR Table)

B1: Frequency (Hz)	125	250	500	1000	2000	4000	8000
B2: Mf (dB)	17.5	21.4	26.6	29.3	37.6	46.4	39.6
B3: sf (dB)	4.5	2.5	2.6	2.3	3.7	4.6	6.8
B4: APVf	13.0	18.9	24.0	27.0	33.9	41.8	32.8

B5:  
 SNR=30dB  
 H=34dB  
 M=27dB  
 L=21dB

APVf=MF-SF (dB)

### Audio Input (EN 352-6)

Bluetooth (HFP): The maximum SPL is 76.4 dB(A) at -14 dBFS

### Entertainment (EN 352-8)

Bluetooth (A2DP): The maximum SPL is 77.1 dB(A) at -10 dBFS

# ISOtunes LINK 2.0

## Earmuff

EN	4-6
DA	7-9
DE	10-13
ES	14-17
FI	18-20
FR	21-24
IT	25-27
NL	28-48
NO	32-34
SV	35-37

**Important**

Please read, understand, and follow all safety information.

**Fitting**

1. Remove the white foam inserts from each earcup
2. Pull the earcups apart
3. Place the product on your head
4. Adjust the earcup position by extending the headband to ensure a good fit around the ears

**Introduction**

Thank you for purchasing ISOtunes® LINK 2.0 Professional Noise Isolating Earmuffs. These earmuffs 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. This product has been tested and meets the European Safety Standard EN 352-1:2002, EN 352-6:2002, EN 352-8:2008, RED directive 2014/53/EU, harmonized standard EN 60065-2014+A11-2017, EN 62479:2020, ETSI EN 300 328 V2.1.1, ETSI EN 301 489-1 V2.1.1, ETSI EN 301 489-17 V3.1.1 and the ANSI standards for a hearing protector, with a Single Number Rating (SNR) of 30 dB with a Noise Reduction Rating (NRR) of 25 dB. Full testing details are available in the Noise Attenuation section of this booklet.

**Noise Attenuation**

**APPROVAL:** ISOtunes® LINK 2.0 is tested and approved in accordance with ANSI S3.19-1974

**Specifications and the European Safety**

Standard EN 352-1:2002, EN 352-6:2002, and EN 352-8:2008.

**ANSI**

S3.19-1974

The level of noise entering a person's ear, when ISOtunes® LINK 2.0 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® LINK 2.0 is 25 dB.
3. The noise level entering the ear is approximately equal to 75dB.

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**

IT-49 ISOtunes LINK 2.0 EN 352 is certified according to the product standards EN 352-1:2002, EN 352-6:2002, and EN 352-8:2008.



Haven Technologies, INC. hereby declares that IT-49 ISOtunes LINK 2.0 EN 352 conforms to the regulation (EU) 2016/425 and the directive RED 2014/53/EU, which can be accessed at [www.isotunes.co.uk/EU-declaration-of-conformity](http://www.isotunes.co.uk/EU-declaration-of-conformity).

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 ( $f \leq 500\text{Hz}$ )

**SafeMax™ Technology**

ISOtunes® LINK 2.0 incorporates SafeMax™ Technology, therefore its volume output has been limited to 85 decibels (IT-48) and 79 decibels (IT-49). ISOtunes® devices with SafeMax™ Technology are OSHA and ANSI compliant and, when designated, meet the European Safety Standard EN352.

**Cleaning and Maintenance**

- Clean your ISOtunes LINK 2.0 by gently wiping them with a clean, damp cloth with mild soap.
- Do not immerse the hearing protector in water.
- Do not use abrasive cleaning solvents to clean the hearing protector.

If the hearing protector gets wet from sweat or rain, please discontinue use and turn the earmuff outwards and allow to dry.

The ear cushions and foam liners should be regularly inspected for deterioration, cracking, or other damage.

#### Materials:

- Ear Cushion: PU + Memory Foam
- Casing: ABS
- Key Pad: Silicon
- Headband: Stainless Steel + TPE
- Headband Bracket: ABS

This product comes with a Lithium Battery Pack. The Battery Pack can be recharged by plugging the one end of the included cable into a USB outlet and the other end into the product's charging port located underneath the rubber cover on the bottom of the left earcup.

The batteries can be checked by removing the battery cover. Slide the latch to release the door.

The lithium battery pack can be removed from the product and replaced. Lift the battery out. Unplug the battery pack cable. To reinstall, put the battery pack into the compartment and plug in the Battery pack cable into the battery pack port. Ensure the battery pack cable is plugged into the battery pack cable port for proper product performance.

Alternatively, three AAA batteries can power the device. Completely remove the Lithium Battery Pack from the product and install the AAA batteries as indicated on the product. Do not attempt to use the Lithium Battery Pack and AAA batteries at the same time.

#### WARNINGS

Performance may deteriorate with battery use. The typical period of continuous use that can be expected from ear-muff battery is 50 hours.

ISOtunes® LINK 2.0 does an excellent job of blocking outside noise. As such, ISOtunes® LINK 2.0 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® LINK 2.0 is used ONLY in safe environments.

This earmuffs are intended to protect your ears against hazard noise.

The output of the electrical audio circuit of this hearing protector may exceed the daily limit sound level.

The audibility of warning signals at a specific workplace may be impaired while using the entertainment facility.

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

The fitting of hygiene covers to the cushions may affect the acoustic performance of the ear-muffs.

#### Recommendations

The wearer should ensure 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 will be severely impaired.

The size range for the earmuff is S M L.

The mean mass of the product is 4 48g. Date of Obsolescence: 3 years from purchase date.

Not to be used in Explosive Atmospheres.

#### Additional Notes

ISOtunes® LINK 2.0 is compliant with Bluetooth® V5.0. We do not guarantee compatibility of all functions on every Bluetooth®-enabled device. Please check your device's user manual for

compatibility and functionality.

Please note, the hearing protector provides an electrical audio facility. The ear-muff provides audio signal sound pressure level limitation which limits the entertainment audio signal to 82 dB(A) effective to the ear. This limit is maintained for bluetooth signal inputs which are standard to the Bluetooth A2DP, HFP, and HSP specifications. There is no analog line input on this product.

This earmuff is provided with electrical audio input. The wearer should check correct operation before use. If distortion or failure is detected, the wearer should refer to the manufacturer's advice.

For additional information about ISOtunes LINK 2.0, please visit [www.ISOtunes.com/](http://www.ISOtunes.com/) **LINK 2.0-Manual**. For additional information or questions about ISOtunes® products or spares and accessories, please contact our support team.

Replacement Parts: Hygiene Kit (ear-cushions and foam inserts) Model Number: IT-83

Replace ear cushions.

1. Put your finger between the ear cushions and foam.
2. Pull the Foam Ear cushion away from the earcup.
3. Remove the foam inserts in the earcup.
4. Install the new foam inserts
5. Snap the new ear-cushion in place on the earcup

The following information shall be available from the manufacturer on request:

- a) results of tests performed in accordance with this standard;
- b) the name and country of the test laboratory which performed the tests specified and the date of the tests.

## FCC

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the users' 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.

This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

UK & Europe  
[uk-eurosupport@isotunesaudio.com](mailto:uk-eurosupport@isotunesaudio.com)  
 North America  
[support@isotunesaudio.com](mailto:support@isotunesaudio.com)  
 1-844-396-3737  
 Monday-Friday 9-5 ET