

3. Safety Warnings and Precautions and Essential Safety Information



Please read carefully all the instruction in this manual.
Please respect all the warnings
Please follow the instructions

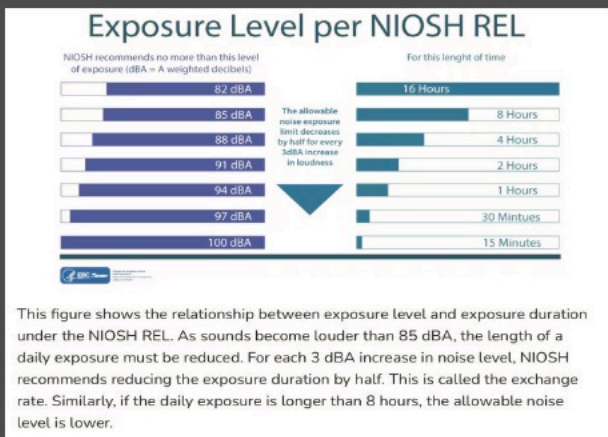
-Hearing safety

Listening to a portable stereo at high volumes can cause damage to the users ears and may lead to hearing problems like temporary or permanent deafness, tinnitus, etc.

To avoid damage to your hearing, do not listen to headphones at high volumes for extended periods of time, take frequent breaks.

If you begin to hear buzzing or ringing in the ears (tinnitus), experience a loss of hearing or muffled hearing, stop using the headphones immediately. If the symptoms continue after a few hours, consult an ENT doctor immediately. In some cases, immediate treatment may avoid permanent hearing problems.

A table of allowed noise exposure vs. time is well represented here:



This figure shows the relationship between exposure level and exposure duration under the NIOSH REL. As sounds become louder than 85 dBA, the length of a daily exposure must be reduced. For each 3 dBA increase in noise level, NIOSH recommends reducing the exposure duration by half. This is called the exchange rate. Similarly, if the daily exposure is longer than 8 hours, the allowable noise level is lower.

Source: US National Institute for Occupational Safety and Health (NIOSH)

Please keep in mind that with 3W of applied power, Immanis headphone will generate 118dB of Sound Pressure Level. That will happen with musical peaks and depending on the crest factor of recorded music, the average listening volume will be between 85 and 115dB, so please be mindful of average listening volume with compressed music.

Set the volume to minimum before connecting the headphones. Once you are wearing the headphones, slowly increase the volume to a comfortable and reasonable level. This way of starting the listening, not only keeps your hearing safe, but also prevents any potential damage to Immanis headphone due to overloading with high power peaks.

-General safety

Immanis is a passive headphone, including its RCD Interface, without any kind of power supply, so there is no risk of electric shock. Even if the electronic devices to which the headphones are connected to are defective, the risk of shock is negligible due to isolation properties of transformers inside RCD Interface that separates amplifiers and headphones. The voltages that headphone drivers operate with are in order of 2 Volts.

Do not keep the headphones next to a heat source like amplifier heatsinks, electronic tubes under operation in tube amplifiers, heating radiators, etc.

Avoid exposure to humidity and do not clean the headphones with dripping-wet cloth. Do not submerge in water or any liquid and do not expose to rain.

If the headphones have been transported from a cold environment into a warm space, please allow the time to headphones bring up to the ambient temperature and make sure there is no condensation on the headphones before connecting into operation.

Be mindful of hanging cables while standing up while listening, prevent tripping on cables by putting the headphones down before getting up from seated position.

Be very mindful in presence of small children about potential cable entangling and possible suffocation risk.