

General Information

Lucid Hearing® High-Fidelity Earplugs are reusable. Foam earplugs muffle sound. These earplugs use a unique acoustic construction that produces almost equal sound reduction (20 dB) at all frequencies. All sounds and speech remain clear, just quieter, like turning down the volume.



Insertion

- Before inserting earplugs, make sure they are clean.
- Grasp the endcap between thumb and forefinger. (Figure 1.)
- To ease insertion, pull the top of the ear outward and upward. (Figure 2.)
- Gently push and twist the earplug until the eartip seals in the ear canal. (Figure 3.)
- Moistening the eartip may ease insertion.

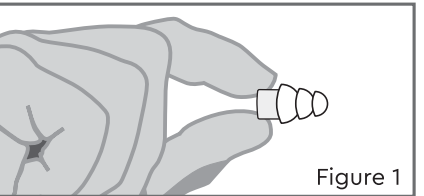


Figure 1

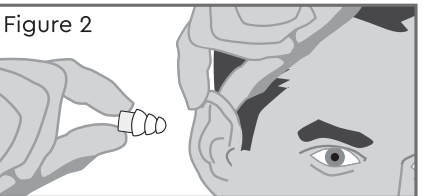


Figure 2

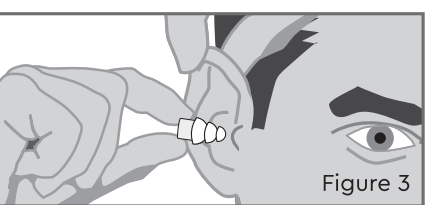


Figure 3

Removal

- Remove with a slow twisting motion to gradually break the seal and avoid discomfort.
- After removal, place earplugs in a clean protective case.

Cleaning

- Do not take earplugs apart.
- Clean after each use.
- Wipe clean with a damp cloth as needed.
- Do not immerse earplugs in water.
- Do not clean with harsh chemicals.
- Alcohol is not recommended.

Storage

- Always store earplugs in a clean, protective case.
- Do not store other objects, except a neck cord, in the earplug case.

Warnings

- The triple-flange eartip must be fitted, adjusted and maintained properly, i.e., seal the ear completely to achieve the expected attenuation and hearing protection.
- Use earplugs continuously when noise levels are potentially harmful.
- Make certain that the earplugs provide adequate protection for the noisy environment.
- Regularly inspect the earplugs to assure their continued serviceability.
- Never remove the endcap while the earplugs are in use.
- Failure to follow these warnings may severely reduce the amount of hearing protection provided by the earplugs.
- If a cord is used, take precautions that it does not catch on a nearby object.
- This product may be adversely affected by certain chemical substances.
- Do not clean with harsh chemicals or alcohol.
- Sudden or fast removal of earplugs out of the ear canal may damage the ear drum.
- Do not remove earplugs by pulling the interconnecting cord.

IMPORTANT: ETY•Plugs® are reusable. With heavy use the ear tips can weaken and could break. Replace every 3-6 months.

IMPORTANT: les ETY•Plugs® sont réutilisables. En cas d'utilisation intensive, les embouts peuvent se dégrader et se rompre. Remplacer tous les 3 à 6 mois.

IMPORTANTE: ETY•Plugs® son reutilizables. Con uso intenso, las puntas de oído pueden debilitarse y se podrían romper. Sustituir cada 3-6 meses.

BITTE BEACHTEN: ETY•Plugs® sind wiederverwendbar. Bei starker Beanspruchung können die Ohrpassstücke ermüden und brechen. Alle 3-6 Monate ersetzen.

The level of noise entering a person's ear when a hearing protector is worn as directed is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the enclosed instructions for proper fit.

Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (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 (Single Number Rating): Average Attenuation characteristics in their standard frequency spectrum.

NRR is a value derived by mathematical formula that estimates the effectiveness of flat attenuation earplugs. When ear plugs are used correctly, expect approximately 20 dB of sound reduction.



Noise Reduction Rating

13

(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS FOR EXISTING HEARING PROTECTORS IS APPROXIMATELY 0 TO 30 (HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)

ETYMOTIC RESEARCH, INC.
SCHAUMBURG, ILLINOIS 60173

ER20XS

Federal law prohibits removal of this label prior to purchase.

EPA

LABEL REQUIRED BY U.S. E.P.A. REGULATION 40 CFR Part 211, Subpart B.

SNR 17

DECIBELS

Canada Class (C)

Report No Q7726A October 2022

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation	14.1	15.9	20.8	22.1	22.3	22.8	21.2	20.0	22.8
Standard Deviation	3.4	3.8	3.7	2.6	3.3	2.6	3.0	3.4	3.9

NRR= 13 dB
CSA Class = C

Report No Q7408A April 2022

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation in dB	14.8	10.4	14.2	17.7	18.9	21.0	20.9	30.3
Standard Deviation in dB	3.7	3.2	3.9	4.2	4.2	4.2	3.0	6.2
Mean - SD	11.1	7.3	10.3	13.5	14.7	16.8	18.0	24.0

This product is in compliance with EN 352-2:2020 and PPE Regulation (EU) 2016/425. Notified Body responsible for EU type examination for conformity and ongoing conformity: SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P, Ireland.

SNR _m = 20.2	H84 (dB) = 18dB	H _m = 20.6	H _s = 2.7
SNR _s = 2.8	M84 (dB) = 15dB	M _m = 18.4	M _s = 3.4
SNR (dB) = 17.0	L84 (dB) = 12dB	L _m = 15.4	L _s = 3.2

Report No Q7409A April 2022 SLC (80) = 7.3 dB

Declaration of Conformity:
www.etymotic.com/reference-documents



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REUSABLE • HIGH-FIDELITY

HEARING PROTECTION

ER20XS

TRIPLE FLANGE

USER MANUAL