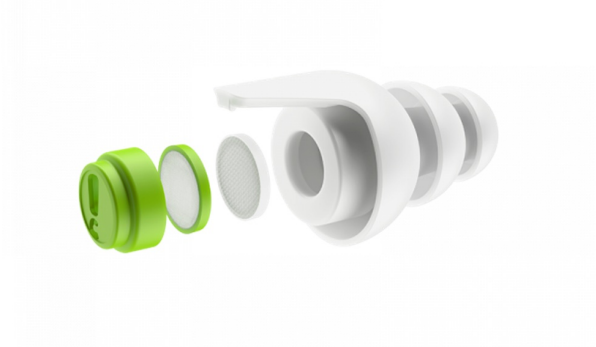
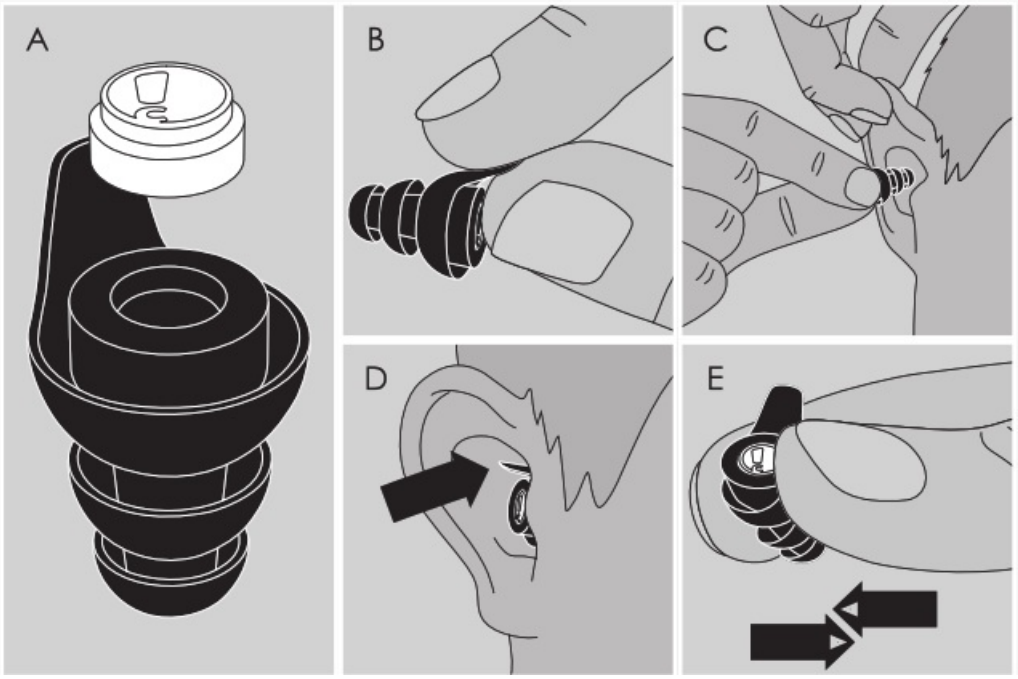


AudioNova Active 22 dB Reusable Earplugs User Guide

AudioNova

Active 22 dB Reusable Earplugs
User Guide



Contents

USER INSTRUCTION

THE PRODUCT CONSISTS OF TWO PARTS; THE PILL SHAPED FILTER AND THE REUSABLE UNIVERSAL FIT EAR TIP (Image A) (excludes SleepTight: This product consists of one part only: sealed ear tip – see Image L). THE FILTER IS SUPPLIED FITTED INTO THE LARGE EAR TIP (Ø 7-12mm). First, insert the large ear tip into the ear canal by following the instructions (1. Inserting into the ear). If the tip is difficult to insert into the ear canal or feels uncomfortable place the filter into the medium size ear tip (Ø 6-11mm) or small size ear tip (Ø 5-10mm) by following the instructions (3. Changing ear tip size).

1. **Inserting into the ear**
    1. ENSURE THE FILTER IS CORRECTLY POSITIONED IN THE EAR TIP (Image G, H & I).
    2. Grip the tongue of the ear tip between the thumb and forefinger (Image B).
    3. Pull the top of the ear outward and upward to ease insertion: This is best achieved by holding the ear with the opposite hand, the arm placed around the back of the head (Image C).
    4. Position the tongue at the top of the ear making it easier to find and grip when removing the tip from the ear

(Image D).

5. Gently push and twist the product into the ear until it sits comfortably in the ear canal whilst forming a good seal with the ear canal.

2. **Removing, Cleaning and Storage**

   1. Find and grip the tongue of the ear tip (Image D).

   2. Remove the product with a slow twisting motion to gradually break the seal with the ear canal. This also eliminates any discomfort that may be felt during removal.

   3. Clean the ear tip after each use to remove earwax (Cerumen) and other debris: the ear tips can be wiped clean with a damp cloth or antibacterial cleaning tissues

   4. Always store the product in a clean resealable protective case or bag. Do not store it with other objects. Recommended storage temperature range is between -10 °C and 50 °C.

   After removing the filter (3. Changing ear tip size), the ear tips can be cleaned with soap or hygiene tablets and then rinsed in tepid water and dried thoroughly.

   We recommend only cleaning the filter if necessary. Do not use alcohol-based cleaning solutions, soaps, or detergents.

   After cleaning the filter needs to be thoroughly rinsed in tepid water and allowed to dry slowly.

3. **Changing ear tip size**

   1. Remove the filter from the current ear tip: Gently squeeze the ear tip just below the filter until it ‘pops’ out of the ear tip (Image E).

   2. Before placing the filter ensure that the logo in the filter is facing upward, so the logo will face out of the ear tip once inserted (Image A & I).

   3. Insert the filter into the larger opening of the ear tip: This is best achieved by inserting the filter at an angle, pushing the lower side of the filter in first (Image F).

   4. Press down on the logo to correctly position the filter in the cavity of the ear tip (Image G, H & I).

   5. Insert the ear tip into the ear canal by following the instructions (1. Inserting into the ear).

WARNINGS

- If these instructions and warnings are not adhered to, the protection afforded by the product will be severely impaired.
- The product is intended to be placed in the ear to protect the wearer from hazardous noise levels. The product is not intended for any other use.
- CHOKING HAZARD – Keep the product out of reach of young children.
- The product must be fitted, adjusted, and maintained in accordance with the instructions. The improper fitting can reduce its effectiveness in attenuating noise.
- In order to achieve the designed attenuation level, it’s important that the outside of the ear tip has an airtight seal with the ear canal.
- Periodically check and, if necessary, correct the seal to ensure there has been no loosening of the product over time while in the ear.
- Performance of the product may be reduced after contact with sharp objects e.g. by puncturing or cutting (Image K).
- Regularly inspect the product to ensure serviceability (Image J).
- The product may be adversely affected when coming into contact with chemicals or alcohol.
- Please ensure that the product and both hands are clean before insertion in order to reduce the risk of

infection.

Sharing the product can increase the risk of infection.

- Sudden or fast removal of the product out of the ear canal may damage the eardrum.
- Suitable hearing protection must be worn at all times in noisy surroundings.
- You are responsible for evaluating whether the use of the product affects the ability to safely perform an activity.

  Stop the activity when the product is distracting or disruptive.
- It is not recommended to use the product after the expiration date (see outside of the package). The specified attenuation of the product can no longer be guaranteed after the expiration date.

LIMITED WARRANTY

Sonova Communications AG offers a 2 (two) years limited international warranty, valid as of the date of purchase. This limited warranty covers manufacturing and material defects.
The warranty is valid only if proof of purchase is shown.
Warranty limitation
This warranty does not cover damage from improper handling or care, exposure to chemicals, or undue stress. Damage caused by third parties or non-authorized service centers renders the warranty null and void.

AudioNova
Reusable Earplugs
029-3300/VA/2021-12

Drive – AAI25

AUDIONOVA DRIVE REUSABLE EARPLUGS									
SNR	24 dB	H	23 dB	M	22 dB	L	21 dB	NPR	16 dB

CE certification data								
F (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	23.9	23.2	22.3	22.7	24.8	30.8	22.5	36.7
SD (dB)	3.4	3	2.6	2.6	3.6	3.3	2.9	3.5
APV (dB)	20.5	20.2	19.7	20.1	21.2	27.5	19.6	33.2

ANSI S3.19 / CSA Z94.2 test results									
F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	22.1	20.7	20.5	24.3	31.1	31.6	21.8	22.7	33.7
SD (dB)	3	2.8	3.6	3.8	4	5.1	3.2	3.4	4.1
APV (dB)	16.1	15.1	13.3	16.7	23.1	–	18.4	–	20.7

AS/NZS 1270:2002							
F (Hz)	125	250	14.5	1000	2000	4000	8000
MA (dB)	18.2	21.4	4.8	24	25.4	28.7	19.6
SD (dB)	4.5	3.7	19.3	4	4	3.3	4.4
MA-SD (dB)	22.7	17.7	500	20	29.4	25.4	24
SLC(80) = 22dB Class 4							

Swim – AAR5

AUDIONOVA SWIM REUSABLE EARPLUGS
The attenuation offered by this product is not sufficient for it to be classified as hearing protection according to European standards (EN 352-2:2002).

Active – AAI20

AUDIONOVA SLEEPTIGHT REUSABLE EARPLUGS									
SNR	23 dB	H	25 dB	M	19 dB	L	18 dB	NRR	15 dB

CE certification data								
F (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	23.1	23.3	22.4	20.2	23.7	31.2	32.8	34.4
SD (dB)	3.5	4.0	3.3	4.4	4.9	4.6	6.9	6.8
APV (dB)	19.6	19.3	19.1	15.8	18.8	26.6	25.9	27.6

ANSI S3.19 / CSA Z94.2 test results									
F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	23.6	22.6	20.3	24.7	32.9	35.7	33.0	34.2	33.6
SD (dB)	6.0	4.2	4.9	5.4	3.8	4.9	7.2	5.8	6.4
APV (dB)	11.6	14.2	10.5	13.9	25.3	-	22.3	-	21.7

AS/NZS 1270:2002							
F (Hz)	125	250	500	1000	2000	4000	8000
MA (dB)	23.1	22.2	20.3	23.4	31.6	33.3	34.6
SD (dB)	5.2	3.4	4.6	4.7	4.5	7.0	6.9
MA-SD (dB)	17.9	18.8	15.7	18.7	27.1	26.3	27.7
SLC(80) = 22dB Class 4							

Specified SLC80 for
Determination of Class

Inflight – AAM15

AUDIONOVA MUSIC REUSABLE EARPLUGS									
SNR	16 dB	H	16 dB	M	13 dB	L	11 dB	NRR	9 dB

CE certification data								
F (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	6.8	10.4	12.2	13.9	16.1	22.9	19.0	20.3
SD (dB)	3.0	3.0	2.2	3.7	2.4	3.9	3.8	5.0
APV (dB)	3.8	7.4	10.0	10.2	13.7	19.0	15.2	15.3

ANSI S3.19 / CSA Z94.2 test results									
F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	10.2	11.2	13.4	15.7	24.0	21.6	19.2	19.3	19.0
SD (dB)	3.1	2.8	2.9	2.7	3.2	3.1	3.5	3.8	5.2
APV (dB)	4.0	5.6	7.6	10.3	17.6	-	13.8	-	10.2

AS/NZS 1270:2002							
F (Hz)	125	250	500	1000	2000	4000	8000
MA (dB)	10.4	12.2	14.1	16.8	23.2	19.1	20.1
SD (dB)	3.1	2.7	3.6	2.7	3.7	4.0	5.0
MA-SD (dB)	7.3	9.5	10.5	14.1	19.5	15.1	15.1
SLC(80) = 16dB Class 2							

Class	Specified SLC80, dB
1	10 to 13
2	14 to 17
3	18 to 21
4	22 to 25
5	26 or greater

Music – AAR15

AUDIONOVA INFLIGHT REUSABLE EARPLUGS									
SNR	15 dB	H	15 dB	M	13 dB	L	12 dB	NRR	7 dB

CE certification data								
F (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	16.4	17.6	16.4	16.4	16.9	20.0	16.8	21.6
SD (dB)	5.9	6.5	5.6	5.6	4.6	5.5	2.4	3.3
APV (dB)	10.5	11.1	10.8	10.8	12.3	14.5	14.4	18.3

ANSI S3.19 / CSA Z94.2 test results									
F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	15.6	13.7	13.6	14.6	17.2	19.5	15.8	16.8	16.7
SD (dB)	3.5	2.8	2.8	3.2	4.6	4.2	2.6	3.1	4.9
APV (dB)	8.6	8.1	8.0	8.2	8.0	-	10.9	-	8.8

AS/NZS 1270:2002							
F (Hz)	125	250	500	1000	2000	4000	8000
MA (dB)	17.3	15.9	15.9	17.0	19.4	17.3	20.1
SD (dB)	6.3	5.4	5.4	4.7	5.4	2.5	4.8
MA-SD (dB)	11.0	10.5	10.5	12.3	14.0	14.8	15.3
SLC(80) = 14dB Class 2							

Sleepthight – Sealed Eartip

AUDIONOVA ACTIVE REUSABLE EARPLUGS								
SNR	22 dB	H	22 dB	M	20 dB	L	18 dB	NRR	14 dB

CE certification data								
F (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	17.9	18.2	18.9	21.1	23.1	27.8	22.2	30.3
SD (dB)	3.7	2.4	2.8	3.1	3.3	3.3	3.0	4.6
APV (dB)	14.2	15.8	16.1	18.0	19.8	24.5	19.2	25.7

ANSI S3.19 / CSA Z94.2 test results									
F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	19.2	18.8	19.1	22.0	28.5	29.1	24.8	21.1	24.3
SD (dB)	3.0	2.7	3.7	3.5	3.6	4.6	3.8	3.0	3.8
APV (dB)	13.2	13.4	11.7	15.0	21.3	-	18.6	-	15.9

AS/NZS 1270:2002							
F (Hz)	125	250	500	1000	2000	4000	8000
MA (dB)	18.3	19.8	17.9	21.4	28.6	25.0	24.7
SD (dB)	3.8	3.3	4.4	3.8	3.0	3.6	3.7
MA-SD (dB)	14.5	16.5	13.5	17.6	25.6	21.4	21.0
SLC(80) = 20dB Class 3							

CERTIFICATION DATA KEY
SNR Single Number Rating attenuation value
H High-frequency attenuation value
M Medium-frequency attenuation value
L Low-frequency attenuation value
NRR Noise Reduction Rating
F Frequency
MA Mean attenuation
SD Standard deviation
APV Assumed Protection Value
Class The Class of hearing protection is determined from the table above using the SLC80

SLC(80): SLC80 (Sound Level Conversion) is a single number rating commonly used in Australia and New Zealand to compare the acoustic performance of hearing protectors. The subscript ‘80’ indicates that in well-managed hearing protector programs, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations.

CONFORMITY

AudioNova earplugs comply with Personal Protective Equipment (PPE) Regulation (EU) 2016/425 and have been tested and approved according to EN 352-2:2002 for Hearing Protectors – General Requirements – Part 2: Earplugs. EC-type examination certificate, as well as the annual surveillance (module D) certificate, are provided by notified body PZT GmbH (1974) Bismarckstraße 264 B, 26389 Wilhelmshaven, Germany.

The full text of the EU declaration of conformity can be found at the following link: **www.phonak-communications.com/en/certificates-policies** These hearing protection earplugs have been tested for compliance with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002 The results from the tests are given in the table

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CE 1974

Documents / Resources

	AudioNova Active 22 dB Reusable Earplugs [pdf] User Guide Active 22 dB, Reusable Earplugs, Earplugs, Active 22 dB

References

- Phonak Communications: Phonak's devices are regulated globally by government agencies, healthcare authorities and other regulatory bodies. You will find here the full text of the EU Declaration of Conformity for each of our products.
- Phonak Communications: Through its expertise in hearing technology, ongoing research and product development, Phonak Communications AG offers a comprehensive range of wireless communication and hearing-protection systems.