

**UP TO:**

**19 dB NRR**

**25 dB SNR**

**31 dB IPIL**

## **X30i EARPLUG**

**IDEAL FOR:**

- CONSTRUCTION
  - CONCERTS
  - AIR TRAVEL
- STADIUM EVENTS
  - SHOOTING
- LOUD EVENTS
  - YARD WORK
  - SLEEPING
  - STUDYING
  - & MORE

**Hear Sound & Protect Your Hearing At The Same Time  
OR Hearing Protection Only™**

The X30i Earplug product is designed to provide the wearer with hearing protection against two types of noise: continuous noise (Closed mode) and impulse noise (Open mode). The mode is selected by operating the toggle switch while the product is in the ear.

The X30i Earplug consists of three (3) parts; the filter, the concha lock, and the interchangeable ear tips. The X30i Earplug comes with 2 styles of ear tips; Foam and Silicone. Included are 3 sizes of Silicone Tips (Small, Medium, and Large), and 2 sizes of the Foam Tip; (Medium - Green Inner Tube) and (Small - Tan Inner Tube).

The X30i also comes with 1 size for the Concha Lock (Medium). The ear plug comes with the medium concha lock and the medium silicone ear tips installed. (7-12mm). Small and Large Concha Locks are available upon direct request from AXIL.

**NOTE:** The foam ear tip style provides more hearing protection than the silicone style.

The X30i impulse filter has a toggle switch to choose between an Open and Closed Mode. Both modes are designed to provide the wearer with hearing protection. The Closed Mode provides more protection against general loud sounds. The Open Mode is designed for environments where communication is needed like job sites, gun ranges, loading docks, or general conversations while still protecting against any loud, damaging noises.

### **Closed Mode**

When you push on the top part of the toggle switch, you close the Sound Port. Now the product is in closed mode providing a block to all surrounding noise. The Closed Mode is for use in continuous hazardous noise environments such as concerts, auto races, constant use of power tools, continuous gunshots, etc.

### **Open Mode**

When you push on the bottom part of the toggle switch, you open the Sound Port. Now the product is in Open Mode, allowing you to hear what's going on around you and block out loud impulse noises. The Open Mode is designed for places where communication is needed like job sites, gun ranges, loading docks, or general conversations while still protecting against any loud, damaging noises.

### **Assembly Instructions**

1. CHOOSE THE CORRECT CONCHA LOCK
  - a. The X30i Earplug comes with the Medium Concha lock already installed. This is the standard size that should work for most customers.
  - b. Inside the concha are 3 letters, read from top to bottom.
    - i. L = Large (1st letter is the Size; Large, Medium, Small)
    - ii. S = Size (2nd letter stands for "Size"; doesn't change)
    - iii. R = Right (3rd letter is for Right or Left)
  - c. Place the concha on the correct impulse filter (indicated with L and R)

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2. PLACE THE CONCHA LOCK ON THE FILTER

- a. The Impulse Filter is marked with L and R.
  - b. Make sure the correct Concha Locks go on the respective Impulse Filter.
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3. PLACE THE EAR TIP ON THE SOUND PORT
  - a. Secure the Ear Tip to sit flush against the Concha Lock base

### **1. Inserting Into The Ear**

1. Ensure the ear tip and concha lock are correctly positioned on the impulse filter.
2. Grip the center body of the ear tip between the thumb and forefinger.
3. (IF USING FOAM) Compress the foam tip by pinching the tip with your fingers.
  - a. This Will Help It Go Deeper Into Your Ear Canal.
4. Pull the top of the ear outward and upward to ease insertion:
  - a. This is best achieved by holding the ear with the opposite hand, the arm placed around the back of the head.
5. Gently push and twist the product into the ear canal until it sits comfortably while forming a good seal with the ear canal.
6. Make sure it goes as deep into your ear canal as possible for maximum seal.
  - a. Please see the reference picture for an example of the correct fit.

### **2. Selecting Open or Closed Mode**

1. For Closed Mode, Push the Toggle Switch Down Until You Hear a Click
2. Closed Mode Will Protect Against General Loud Sounds
3. For Open Mode, Push the Toggle Switch Up Until You Hear a Click
4. Open Mode Offers a Lighter Level of Protection Against Loud Sounds But Offers Maximum Protection Against Loud Impulse Sounds.

### **3. Removing, Cleaning, and Storage**

1. Find and grip the center body of the ear tip.
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.
  - a. The ear tips can be wiped clean with a damp cloth or antibacterial cleaning tissues.
4. Always store the product in a clean protective case or bag. Do not store it with other objects.

### **(!) VERY IMPORTANT (!)**

CAREFULLY SELECT THE PROPER FOAM TIP FOR ANY SHOOTING ACTIVITIES OR LOUD NOISE ENVIRONMENTS

Follow All Instructions for Proper Fitting and Safety for Use While Shooting or Any Loud Environments

## UNDERSTANDING YOUR RESPONSIBILITY

**BE AWARE:** To Get Appropriate Hearing Protection From This Product, You Need To Be Wearing It Properly. Wear This Product with Tips that Fit In and Seal Your Ear Canals Entirely. Always Make Sure The Product Is In Good Working Condition.

## CLEANING THE FILTER

After removing the ear tip and concha lock, the impulse filter can be cleaned with soap or hygiene tablets and then rinsed in lukewarm water and dried thoroughly. It is recommended only to clean the filter if necessary. Do not use alcohol-based cleaning solutions, soaps, or detergents. After cleaning the filter, make sure it is thoroughly rinsed in lukewarm water and allowed to fully dry.

The recommended storage temperature range is between -10° C / 14° F and 50° C / 122° F.

### 4. Changing Ear Tip Size

1. Gently squeeze and pull the ear tip until it comes off the Canal Port.
2. Choose the correct size of the Foam or Silicone tip for your desired activity.
  - a. NOTE: Foam provides more hearing protection.
3. Gently push the ear tip onto the Canal Port.
  - a. Make sure the tip goes as far as it can go, to provide the best protection and fit.
4. Pull the top of the ear outward and upward to ease insertion:
  - a. This is best achieved by holding the ear with the opposite hand, the arm placed around the back of the head.
5. Twist and push the earplug as needed to get the deepest and most secure fit.

## 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 and 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 per the instructions. Improper fitting can reduce its effectiveness in attenuating noise.
- To achieve the designed attenuation level, the outside of the ear tip must have 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.
- Regularly inspect the product to ensure serviceability.
- 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 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 three (3) years after the production date or if the product has become damaged or weakened. The specified attenuation of the product can be reduced as the product becomes excessively worn.

### **!ATTENTION!**

IF THE RECOMMENDATIONS PROVIDED IN THIS USER MANUAL ARE NOT ADHERED TO, THE PROTECTION AFFORDED BY THE EARPLUGS WILL BE SEVERELY IMPAIRED.

REFER TO STEP 1 OF THIS INSTRUCTION MANUAL FOR CORRECT FITTING PROCEDURE.

**ATTENTION!** ALWAYS FIT, ADJUST, AND MAINTAIN THE EARTIPS IN ACCORDANCE WITH THE INSTRUCTIONS.

**ATTENTION!** BEFORE FITTING, EXAMINE EARTIPS FOR DIRT, DAMAGE, OR HARDNESS - DISCARD IMMEDIATELY IF COMPROMISED.

**ATTENTION!** THE EARTIPS SHOULD BE WORN AT ALL TIMES IN NOISY SURROUNDINGS.

**ATTENTION!** WRONG FITTING IN NOISY ENVIRONMENT COULD CAUSE HEARING INJURY OR HEARING LOSS.

**ATTENTION!** THE EARTIPS ARE REUSABLE AND SHOULD BE REGULARLY INSPECTED FOR SERVICEABILITY.

**ATTENTION!** SUDDEN OR FAST REMOVAL OF EARPLUGS OUT OF THE EAR CANAL MAY DAMAGE THE EAR DRUM.

### **EARTIP REUSABILITY and REPLACEMENT**

**ATTENTION!** REUSABLE EARTIPS MUST BE CHECKED PERIODICALLY BEFORE EVERY USE.

**Silicone Eartips** have a 5-year shelf life. For periodic use, replace ear tips every 3-5 months depending on the condition. For heavy industry use, replace every 14 days or if the tips are damaged.

**Foam Eartips** have a 5-year shelf life. For periodic use, replace ear tips every 3-5 months depending on the condition. For heavy industry use, replace every 14 days or if the tips are damaged or they lose compressionability.

If you need to purchase accessories, please log in to <http://goaxil.com>

### **OBSOLESCENCE**

The X30i product will remain in good condition concerning shelf life while the product is stored in a warehouse under controlled conditions of Humidity less than 80% and Temperature 0°C to 50°C. The Earplug manufacturing date (MM/YYYY) is printed on the packaging. The product lifetime of ear tips is up to 5 years from the given date of manufacture.

### **DECLARATION OF CONFORMITY**

Declaration of Conformity may be downloaded from:

<http://goaxil.com/pages/certifications>

### **CERTIFICATION AND TESTING REPORTS**

All certifications and testing reports of the product may be downloaded from:

<http://goaxil.com/pages/certifications>

### **LIMITED WARRANTY**

AXIL warrants its products to be free from defects in materials and workmanship for two (2) years from the date of purchase. If you believe this product has any defects in materials or workmanship, cease use

immediately and contact customer service for help. If a product proves to be defective in material or workmanship, AXIL will repair or replace the product and send it to you at the expense of AXIL. All returns must include the proof of purchase and documentation specifying the claimed defect. This LIMITED WARRANTY applies only where the products have been properly maintained per AXIL instructions and have not been subject to misuse, negligence or accident. No returns are to be made directly to AXIL unless authorized by the Returns Authorization (RMA) Department.

THIS WARRANTY IS GIVEN INSTEAD OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, WHICH ARE SPECIFICALLY EXCLUDED, INCLUDING WARRANTIES FOR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL AXIL OR THE SELLER BE LIABLE FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES OR EXPENSES TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

*Testing and certification according to EN 352-2:2020 (EU) 2016/425 was performed by CCQS Certification Services Limited (NB 2834), Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1 Dublin, Ireland*

*For more detailed information about the recycling of this product, please contact your local authority, your household/industrial waste disposal service provider, or where you purchased the product. Please take the necessary steps to ensure proper recycling of this product.*

- 1 PAIR **X30i** EARPLUGS . 1 SIZE OF CONCHA LOCKS
- 3 SIZES OF SILICONE TIPS . 2 SIZES OF FOAM TIPS
- 1 POCKET CARRY CASE

The X30i Earplug features a valve that opens and closes with a simple toggle switch. This lets you instantly transition between hearing and protecting at the same time or hearing protection only. Ideal for extreme noise environments such as air travel, concerts, auto racing, stadium events, shooting, machine shops, farming, roadbuilding, and construction; any situation where health and safety require the use of hearing protection i.e. where noise levels are above the safe limit of 85 dB.

|                  |                         |
|------------------|-------------------------|
| <b>NOISE</b>     |                         |
| <b>REDUCTION</b> | <b>19</b>               |
| <b>RATING</b>    | <b>DECIBELS</b>         |
|                  | (WHEN USED AS DIRECTED) |



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NRR CHART (OPEN MODE WITH FOAM)

| Frequency | Mean | StD  |
|-----------|------|------|
| [Hz]      | [dB] | [dB] |
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SNR CHART (CLOSED MODE WITH FOAM)

| Frequency | Mean | StD  | APV  |
|-----------|------|------|------|
| [Hz]      | [dB] | [dB] | [dB] |
|           |      |      |      |
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NRR CHART (CLOSED MODE WITH FOAM)

| Frequency | Mean | StD |
|-----------|------|-----|
|-----------|------|-----|



| [Hz] | [dB] | [dB] |
|------|------|------|
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SNR CHART (OPEN MODE WITH SILICONE)

| Frequency | Mean | StD  | APV  |
|-----------|------|------|------|
| [Hz]      | [dB] | [dB] | [dB] |
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NRR CHART (OPEN MODE WITH SILICONE)

| Frequency | Mean | StD  |
|-----------|------|------|
| [Hz]      | [dB] | [dB] |
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SNR CHART (CLOSED MODE WITH SILICONE)

| Frequency | Mean | StD  | APV  |
|-----------|------|------|------|
| [Hz]      | [dB] | [dB] | [dB] |
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NRR CHART (CLOSED MODE WITH SILICONE)

| Frequency | Mean | StD  |
|-----------|------|------|
| [Hz]      | [dB] | [dB] |
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| X30i<br>EARPLUG            | SIZES |        |       |
|----------------------------|-------|--------|-------|
| <b>SILICONE<br/>TIP</b>    | Small | Medium | Large |
| <i>Weight in<br/>Grams</i> |       |        |       |

| X30i EARPLUG           | SIZES |        |
|------------------------|-------|--------|
| <b>FOAM TIP</b>        | Small | Medium |
| <i>Weight in Grams</i> |       |        |