

AXIL MX PRO EARMUFF – INSTRUCTION MANUAL

ARTICLE INFORMATION

AXIL Product No.	MX PRO
AXIL Product Description.	Electronic Hearing Enhancement & Protection Earmuff w/ Bluetooth

ARTICLE DESCRIPTION

Sound Protection Rating	30 dB (SNR) / 23 dB (NRR)	Pos.	Description
Operation Area	-20 °C to +50 °C / - 4 °F to +122 °F	A	Headband
Weight	297 grams / 10.48 oz	B	Telescoping Adjustment
Operation Time	Up to 36 hours *	C	Power Button / BT Button
Size	One Size Fits Most	D	Volume Controls (Enhance + BT Audio)
		E	Audio Input Jack (3.5mm)
		F	USB-C Port
		G	Microphone
		H	LED Indicator (Bluetooth)
		I	Removable Plate

\* Depending on batteries used and type of use/ operation  
The MX PRO Electronic Hearing Protection Earmuff is equipped with a 3.5 mm audio jack input and Bluetooth technology for connecting external audio sources. It was designed specifically to reduce harmful external noise pollution.

Functions

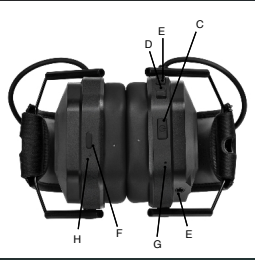
- Bluetooth Synchronization with Compatible Devices
- Sound Enhancement - Amplify Quiet Ambient Noises, Such As Footsteps, Crunching Leaves, Quiet Conversations, etc.
- Frequency Ranges Tailored to Natural Sounds
- 3.5mm Audio Input Jack for Connecting External Audio Devices (also usable with active Bluetooth)
- Ergonomic Volume Control Wheels to Adjust Enhancement and Bluetooth Volumes

GENERAL INFORMATION

Please note the instructions given in this manual explain the use, application, and limits of the MX PRO product. Violations of these instructions or manipulation of the device will result in the direct cancellation of your customer rights and warranty claims that are granted by AXIL DISTRIBUTION COMPANY.

MATERIAL INFORMATION

Part	Material
Ear cup	ABS
Cover	ABS
Headband	Acetal
Acoustic Foam	Polyurethane
Ear Cushion	Polyurethane, PVC
Power/BT Button	TPE



CE Certification Data				SNR = 30 dB		H: 35 dB	M: 29 dB	L: 23 dB
Test Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Means (dB)	18.0	17.6	20.7	27.3	32.4	32.9	42.4	43.0
Standard Dev. (dB)	3.7	2.9	3.1	2.3	3.0	3.3	3.4	3.8
Mean - SD (dB)	14.3	14.7	17.6	25.0	29.4	29.6	38.9	39.2
Criterion Input Signal				The sound pressure level of the applied signal is at 82 dB(A)				

ANSI Certification Data								NRR = 23 dB	
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean (dB)	17.1	19.5	26.4	32.7	36.0	41.7	43.9	43.7	43.4
Stand. Dev. (dB)	2.7	2.8	2.9	3.5	3.7	3.2	3.8	3.5	4.4

CONTACT AND DOCUMENTS

All documents, related to the named product, including:

- Manuals
- Datasheets
- Declaration of Conformity

can be found online on our website [www.goaxil.com](http://www.goaxil.com), or via the shown QR-Code. Our Customer Service Team will be happy to support you if you have any questions about this or other AXIL products. You can find our contact details in the section, "APPROVAL AND CERTIFICATION; Supplier".

WARRANTY

Limited 1-Year Warranty

The MX PRO Earmuffs Come with a Standard Limited One (1) Year Warranty, Which Allows You a Replacement with a Paid Deductible (\$25).

(If Applicable)

AXIL 2-Year Extended Warranty (\$25) – With a 2-Year Extended Warranty, You will Enjoy the Following:

One Time Covered Replacement. Deductible to be paid for any following replacements during the life of the warranty.

Replacement covers all damage such as rain, water, mud, broken, chewed on by your dog, driven over by your truck, shot by your gun - YOU NAME IT, WE'LL REPLACE IT! We ask you to return the units to us in whatever state they are in and we will exchange them for you. This warranty does not cover loss or theft.

(Extended Warranty must be purchased at the time of original order)

The general terms and conditions apply to all AXIL products (unless otherwise contractually agreed). Conditions are recorded in the guarantee documents. Manipulation of the products, as well as use in a manner other than stated in the documents and/or under the conditions, stated there, will result in the direct invalidation of the guarantee and warranty provided.

SAFETY INSTRUCTIONS

Before using the device, check for any damage to the ear cushions, ear cups, and headband. Damage to any of the listed items can lead to a reduction in the effectiveness of the provided hearing protection.

Check the device regularly (preferably before each use) for damage and to ensure the MX PRO earmuff is working properly. Damaged headsets must be removed from operation immediately and sent for repair or to a suitable disposal point.

Hygienic covers for the ear cushions can reduce the actual sound insulation.

The headset's maximum output volume may exceed the legally permissible average of 82 dBA.

The device is not primarily designed for entertainment purposes. Entertainment features come secondary to your hearing protection.

Wear the headset continuously in areas with increased noise pollution. Do not stop using it until you have left the affected area.

Store the device in a dry environment at room temperature (20°C).

Only clean the device with solvent-free cleaning agents. Certain chemical substances can attack the material and cause damage to the headset.

The product contains small parts that can be swallowed. The headset should be kept away from children under 3 years of age.

In general, hearing protection headsets can block external noises such as warning calls, alarms, and other important signals. Pay particular attention to what is happening around you when wearing hearing protection. Excessive volume can cause further reduction in awareness, which could put you at significant risk and result in serious accidents. Adjust the volume setting to your work situation.

Do not wear the MX PRO earmuffs when driving a vehicle. The ear pads reduce incoming noise. This can increase the risk of an accident.

The headset contains batteries and electrical components that may cause ignition in a flammable or explosive atmosphere. DO NOT use the headset in environments where sparks could cause a fire or explosion.

Before putting on the device, check the size setting of the MX PRO Make sure that the device is optimally adjusted to your needs. Please follow the instructions and recommendations in this manual. Only use accessories approved by AXIL.

Avoid exposing the device to strong mechanical stress (shocks, falls). The headset contains electronics that can be damaged. Check the headset for functionality and damage after each incident.

Avoid placing the device near high levels of electromagnetic radiation. High EMC loads can lead to malfunctions, damage, or destruction of the installed electronics. Avoid exposing the headset to extreme temperatures or strong sunlight.

Warning:Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: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 undesired operation.

FCC Statement: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.

RF exposure compliance statement:This device has been evaluated to meet the general RF exposure requirement



DISPOSAL

As an electrical device, this product is subject to **Directive 2012/19/EU** on waste electrical and electronic equipment. For identification purposes, it is therefore marked with the underlined garbage can (see illustration to the right).

As an electrical device, this product must not be disposed of with regular household waste, but must be handed over to a suitable collection point at the end of its operating life. AXIL also offers the option of taking back defective old electronic devices. Please contact us directly about this.

This product requires the use of standard batteries to function properly. These must not be disposed of with normal household waste after use. Take used batteries to a suitable collection point.



STORAGE

To avoid damage, the device should be stored so neither the headband nor the ear cushions are subject to excessive mechanical stress. AXIL recommends storing it in the original carry case that was provided. Store the device dry and at room temperature (+ 20°C/ + 68°F)

ACCESSORIES

AXIL offers a wide range of available accessories for its products. Simply contact us or purchase them on our website ([www.goaxil.com](http://www.goaxil.com)). **Only use accessories approved and tested by AXIL.**

APPROVAL AND CERTIFICATION

The structure of the product described in the manual complies with the requirements of Regulation EU 2016/425 (PPE Regulation). It is classified as a Category III device and approved by Notified Body 2834 (CCQS Certification Services Limited, Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1 Dublin Country: Ireland).



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EN 352-1:2020  
EN 352-4:2020  
EN 352-6:2020  
EN 352-8:2020

# INSTALLATION AND OPERATION

## Charging the Batteries

- Open the USB-C port by carefully pulling the cover out.
- Insert the provided USB-C Cable. The LED indicator light will turn RED to indicate it is charging.
- To avoid damage to the device and ensure correct charging operation, ensure the USB-C cable is inserted as far as possible.
- When the battery has received a full charge, the LED indicator light will turn BLUE.
- When fully charged, disconnect the cable to avoid overcharging the battery, as that can ruin battery life.

## Positioning and Adjusting the MX PRO

To ensure optimal hearing protection, it is necessary for the headset to sit correctly on the head, so the ear cups are positioned centrally over the ears. Follow the steps described below:

- Unpack the MX PRO and spread the two ear cups apart by pulling them slightly, so you can pull the headset over your head.
- Adjust the headband with the telescoping adjustment to the biggest size possible.
- Place the MX PRO ear cups centrally over the ears. It is irrelevant which side you want to position the controls on. In the following instructions, the controls are positioned on the right side.
- To ensure a good fit and optimal hearing protection, no hair or other foreign bodies should remain between the padding and the head when the headset is on. Brush aside unwanted hair to keep the contact surface free of foreign objects. Now adjust the headband size with the adjustable headband for the headset to sit firmly, yet comfortably.

## Changing the Earcups

- Place your hand under the ear cushion and pull steadily until the ear cushion comes off.
- Now do the same on the opposite side of the headset.
- Remove the new pads from the packaging and press them onto the headset. Make sure you press all edges securely into the ear cup.

## Turn the Headset ON/OFF

- Place the MX PRO earmuff as described in "Positioning and Adjusting the MX PRO".
- The controls are located on the right side of the MX PRO.
- Press and hold the Power Button to turn ON the device. You will hear an audible "Power On", to confirm your action.
- Double Press the Power Button to cycle through the modes
- (1. Enhancement 2. Bluetooth 3. Enhancement & Bluetooth together)
- While Powered On, Press and Hold the Power Button to turn OFF the device. You will hear an audible "Power Off" to confirm your action.

NOTE: The MX PRO will turn off automatically after 4 hours of inactivity to preserve battery life.

# ADJUSTING THE HEARING ENHANCEMENT & BLUETOOTH VOLUME

## Information

- NOTE: The Volume Buttons are located on the back of the right ear cup of the MX PRO.
- When the Hearing Enhancement mode is used alone, the Volume Buttons control the Hearing Enhancement Volume.
- When the Bluetooth mode is used alone, the Volume Buttons control the Bluetooth volume.
- When Hearing Enhancement and Bluetooth are used together, the Volume Buttons control the Hearing Enhancement only.
- To adjust Bluetooth Volume while both modes are in use, use the secondary device to increase or decrease the volume i.e. smart phone, etc.
- NOTE: When using Enhancement and Bluetooth together, the Volume Buttons will ONLY Adjust the Hearing Enhancement. Bluetooth Volume can be adjusted through the primary device (phone, tablet, etc.). Calls and Songs can still be managed on the MX Pro device, just not the volume.

## Controls

- Press the (+) Button once to increase the volume gradually.
- Press the (-) Button once to decrease the volume gradually.
- CAUTION: EXCESSIVE VOLUME LEVELS CAN CAUSE PERMANENT HEARING DAMAGE

# EXTERNAL AUDIO DEVICES (VIA 3.5 mm JACK)

## Connecting an External Audio Device

- Push the BT Button and connect the external device to the headset via the 3.5 mm jack.
- Please also pay attention to the instructions in the operating instructions of the second device you are using.
- The signals from the external device are output directly via the headset.
- ENSURE THAT THE OUTPUT VOLUME IS SET TO THE MINIMUM BEFORE CONNECTING, TO AVOID EXCESSIVELY LOUD SOUNDS. SLOWLY ADJUST THE VOLUME TO THE DESIRED LEVEL WITH THE VOLUME BUTTONS.

## Adjusting the Audio Connected via Audio Jack

- The audio output volume of the second device used is controlled via the second device.
- CAUTION: EXCESSIVE VOLUME LEVELS OVER LONG PERIODS OF TIME CAN CAUSE PERMANENT HEARING DAMAGE

## ATTENTION

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

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

ATTENTION! ALWAYS FIT, ADJUST, AND MAINTAIN THE EARMUFFS IN ACCORDANCE WITH THE INSTRUCTIONS.  
ATTENTION! BEFORE FITTING, EXAMINE EARMUFFS FOR DIRT, DAMAGE, OR HARDNESS- CLEAN, OR DISCARD IMMEDIATELY, IF COMPROMISED.  
ATTENTION! THE EARMUFFS SHOULD BE WORN AT ALL TIMES IN NOISY SURROUNDINGS.  
ATTENTION! IMPROPER FIT IN NOISY ENVIRONMENT COULD ALLOW HEARING INJURY OR HEARING LOSS.  
ATTENTION! THE EARMUFFS ARE REUSABLE AND SHOULD BE REGULARLY INSPECTED FOR SERVICEABILITY.

**EARMUFF REUSABILITY AND REPLACEMENT**  
ATTENTION! REUSABLE EARMUFFS MUST BE CHECKED PERIODICALLY BEFORE EVERY USE.

**FOAM EARCUP PADS** have an approximate 5-year shelf life. Always replace earcups with excessive wear or damage to them for best hearing protection.

**GEL EARCUP PADS** have a 5-year shelf life. Always replace earcups with excessive wear or damage to them for best hearing protection.

# BLUETOOTH AND BLUETOOTH FUNCTIONS

## Pairing the MX PRO

The MX PRO offers the option of pairing devices wirelessly via Bluetooth. To pair devices via Bluetooth, follow the steps below:

- Long Press the Power Button to turn on the MX PRO.
- Confirm that the Bluetooth function of the device you are using (mobile phone, etc.) is turned on. Please also note the instructions for the second device used.
- Double Press the Power Button to cycle through the modes (1. Enhancement, 2. Bluetooth, 3. Enhancement and Bluetooth together)
- Once in Bluetooth Mode, Triple Press the Power Button to enter Bluetooth Pairing mode.
- The earmuff will give a voice notification that says "Bluetooth On" and then says "Bluetooth Pairing Mode". In addition, the signal LED starts blinking blue.
- The MX PRO should appear in the device list of available Bluetooth devices on your second device under the name MX PRO.
- Start the pairing process in the menu of the second device.
- The LED signal starts flashing quickly and evenly. This means the pairing process has begun.
- After the devices have successfully paired, you will hear "Bluetooth Connected". The devices are now connected.

## Bluetooth Functions

## AUDIO CONTROLS

- **Pause/Play Music**
  - Press the Power/BT button once.
- **Skip Track Forward**
  - Quickly double-press the (+) button. This will skip to your next song.
- **Restart Song**
  - Quickly double-press the (-) button. This will restart your current song.
- **Skip Track Backward**
  - Quickly double-press the (-) button after restarting the song. This will skip back to your last song.
- **Volume Up**
  - Press the (+) Button once to increase the volume gradually.
- **Volume Down**
  - Press the (-) Button once to decrease the volume gradually.
- **NOTE: When using Enhancement and Bluetooth together, the Volume Buttons will ONLY Adjust the Hearing Enhancement. Bluetooth Volume can be adjusted through the primary device (phone, tablet, etc.). All controls remain the same, just not the volume.**

## CALL CONTROLS

- **Answer Calls**
  - Incoming calls are signaled by playing a ringtone in the headset speaker.
  - Press the Power/BT button once to answer the call.
- **End Call**
  - During a call, press the Power/BT button once to end the call.
- **Reject Call**
  - To decline an incoming call, press and hold the Power/BT button.
- **See "Adjusting the Volume" for Volume Controls**
- **ATTENTION: FEATURES AND FUNCTIONALITIES DEPEND ON THE HOST DEVICE USED**

# MAINTENANCE, REPAIR & CLEANING

- Check the product regularly for damage.
- In particular, check that the ear cushions are in perfect condition before each use. The condition of the ear cushions may deteriorate with regular use of the product. Cracks and damage to the padding can lead to leaks and can reduce the hearing protection properties of the headset.
- Use may cause moisture to accumulate in the ear cups when worn for long periods. To avoid damage to the electronics, it is recommended to remove the ear pads after use to allow the headset to dry out. Please note these instructions for use.
- Aggressive, chemical cleaners and substances can damage the MX PRO product.
- This device is powered by standard batteries.

# CLEANING

Only clean the MX PRO with a damp cloth moistened with water. For heavier soiling, AXIL recommends using a mild soapy solution. Avoid using aggressive cleaning agents. PLEASE NOTE: To avoid damage to the built-in electronics, the device MUST NOT be submerged in water. Doing so is considered tampering and will not be covered by the warranty provided by AXIL.

If you need to purchase accessories, please log in to [www.goaxil.com](http://www.goaxil.com)

## OBSELESCENCE

The MX PRO product will remain in good condition with stable 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 Earmuff 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://www.goaxil.com/pages/certifications>



## EUROPEAN STANDARD EN 352

- The MX PRO earmuff provides an entertainment audio function.
- The MX PRO earmuff is provided with level-dependent attenuation (electronic hearing protection), and the user should check the correct operation before use. If distortion or failure is detected, the user should not use the MX PRO earmuff immediately and should refer to the manufacturer's advice for maintenance.
- The MX PRO earmuff provides electrical audio input and the input voltage is 3V.
- The entertainment audio signal does not exceed 82 dB(A) effective to the ear.
- Warning: the product shall not be used if it can't be ensured that the input voltage doesn't exceed 82 dB(A).
- The audibility of warning signals at a specific workplace may be impaired while using the entertainment facility.
- Warning: the performance may deteriorate with battery usage and the typical period of continuous use that can be expected from the earmuff batteries when fully charged.

## 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 over the ear and to protect the wearer from hazardous noise levels. The product is primarily intended for this use.
- CHOKING HAZARD - If used by young children, please have adult supervision present while in use.
- 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 ear cup must have an airtight seal around the ear.
- Periodically check and, if necessary, correct the seal to ensure there has been no loosening of the product over time while over 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 usability.
- 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 use to reduce the risk of infection. Sharing the product can increase the risk of infection.
- 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 five (5) 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.