

CLEAR360

PROSPORT

USER MANUAL



DISCLAIMER

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All pertinent state, regional, and local safety regulations must be observed when using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer shall perform repairs to components.

Failure to observe this information can result in personnel injury or equipment damage.

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General Notice: Some product names used in this manual are used for identification purposes only and may be trademarks of their respective companies.

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1 PREFACE

1.1 Conventions Used in This Manual

The following style conventions are used in this document:

Bold

Names of product elements, commands, options, and processes.
Interface elements the user selects, clicks or presses.

Italic

Publication titles referenced in text
Emphasis (for example a new term)

1.2 **Explanation of Safety Terminology Used** [ref. ANSI Z535.4-2011 (R2017)]

DANGER

Danger indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury

WARNING

Warning indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.

CAUTION

Caution indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

NOTICE

Indicates information considered important, but not hazard-related.

1.3 Retaining Instructions

Read and understand this manual and its safety instructions before using this product. Failure to do so can result in permanent hearing loss, serious injury or death.

Follow all the instructions carefully. This will help avoid exposure to potentially harmful noise exposure.

The product shall only be used by persons who have fully read and understand the contents of this user manual.

Ensure that each person who uses the product has read these warnings and instructions and follows them.

Keep the *User Manual* and *Safety Information & Quick Start Card* for future reference and pass them on to subsequent users of the product. These materials should always accompany the product.

The manufacturer is not liable for cases of property damage or personal injury caused by incorrect handling or non-compliance with the warnings and instructions. In such cases, the warranty will be voided.

1.4 Obtaining Documentation and Information

1.4.1 Internet

The latest version of the *User Manual* and *Safety Information & Quick Start Card* are available for downloading at no cost at the following internet address:

<http://www.clear360products.com>

1.4.2 Ordering Documentation

Documentation, user instructions and technical information can be ordered by emailing **CLEAR 360 VENTURES** at: support@clear360products.com

1.4.3 Other languages

This is the English user manual. Manuals in other languages are available upon request.

1.4.4 Documentation Feedback

If you are reading **CLEAR 360 VENTURES** product documentation on the internet, any comments can be submitted on the support website. Comments can also be sent to support@clear360products.com.

We appreciate your comments.

1.4.5 Support and service

For questions regarding technical/product support, you may email: support@clear360products.com

For questions regarding sales and shipping, you may email: support@clear360products.com

2 PRODUCT DESCRIPTION

2.1 Package Contents

(1x) CLEAR 360 PRO Hearing Protection System
(1x) Carrying Case
(1x) AC Charging Block
(1x) USB-C Charging Cable
(1pair) Extra-Small Foam Ear Tip
(1pair) Small Foam Ear Tip
(1pair) Medium Foam Ear Tip
(1pair) Small Ear Wing
(1pair) Medium Ear Wing
(1pair) Large Ear Wing
(1pair) Replacement Wind Screen
(1x) User Manual
(1x) Safety Information & Quick Start Card

2.2 Intended Use

This device is only intended for use in noise environments in which it provides adequate hearing protection as mandated by federal, state and local statutes and regulations.

Information on the hearing protection capabilities of the product and measured noise reduction rating (NRR) can be found on the included *Safety Information & Quick Start Card*.

It is the responsibility of the user to understand the governmental(federal, state and local)statutes and regulations that govern noise exposure, as well as the policies of any agency or facility under which exposure may occur, and to determine if this device meets those requirements.

2.3 System Overview

The CLEAR 360 PRO system provides hearing protection in loud noise environments. It will help reduce dangerous sound pressure levels from entering your ears while facilitating yourauditory awareness of your surroundings. The system uses patented Bongiovi Acoustic Labs V3D™ technology to provide a natural 360° sound fieldfor maximum safety and comfort. The system also provides an optional Bluetooth connection for essential communications (phone calls, radio communications, etc.) and utilizes the patented DPS™ audio processing technology to ensure maximum voice clarity.

2.4 Technical Data

Parameter	Unit
Power Supply	3.7VDC by battery (operational use) or 5VDC by adapter (for charging)
Battery Capacity	400mAh
I/O Port Type	USB type C - (charging only)
Bluetooth Frequency Band	2.4GHz
Weight (with battery)	~2.5oz / ~71g

2.5 Product Compliance

2.5.1 Certificate of Compliance-Restriction of the use of Hazardous Substances (RoHS)

We certify that this device is compliant with the European Union Directive 2002/95/EC for the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

No Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr+6), PBB or PBDE is intentionally added to these devices. Any trace impurities of these substances contained in the parts are below the RoHS specified threshold levels.

To the best of our knowledge, all information provided in this certificate of Compliance is accurate as of the date this Certificate was issued.

2.5.2 Certificate of Compliance-Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

We declare that all of the products are compliant with European Directive EC1907/2006 for the Registration, Evaluation, Authorization and Restriction of chemicals (REACH), and contain none or less than 0.1% of the chemicals listed as hazardous chemicals in the REACH regulation. To the best of our knowledge, all information provided in this certificate of Compliance is accurate as of the date this Certificate was issued.

2.5.3 FCC Statement

FCC ID: 2AXCP-CLEAR360

This device 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 device 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 any particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver. Connect the device with an outlet that is on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.5.4 IC Statement

IC: 26411-CLEAR360

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: This device may not cause interference.

This device must accept any interference, including interference that may cause undesired operation of the device.

- RF exposure statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

- French:

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

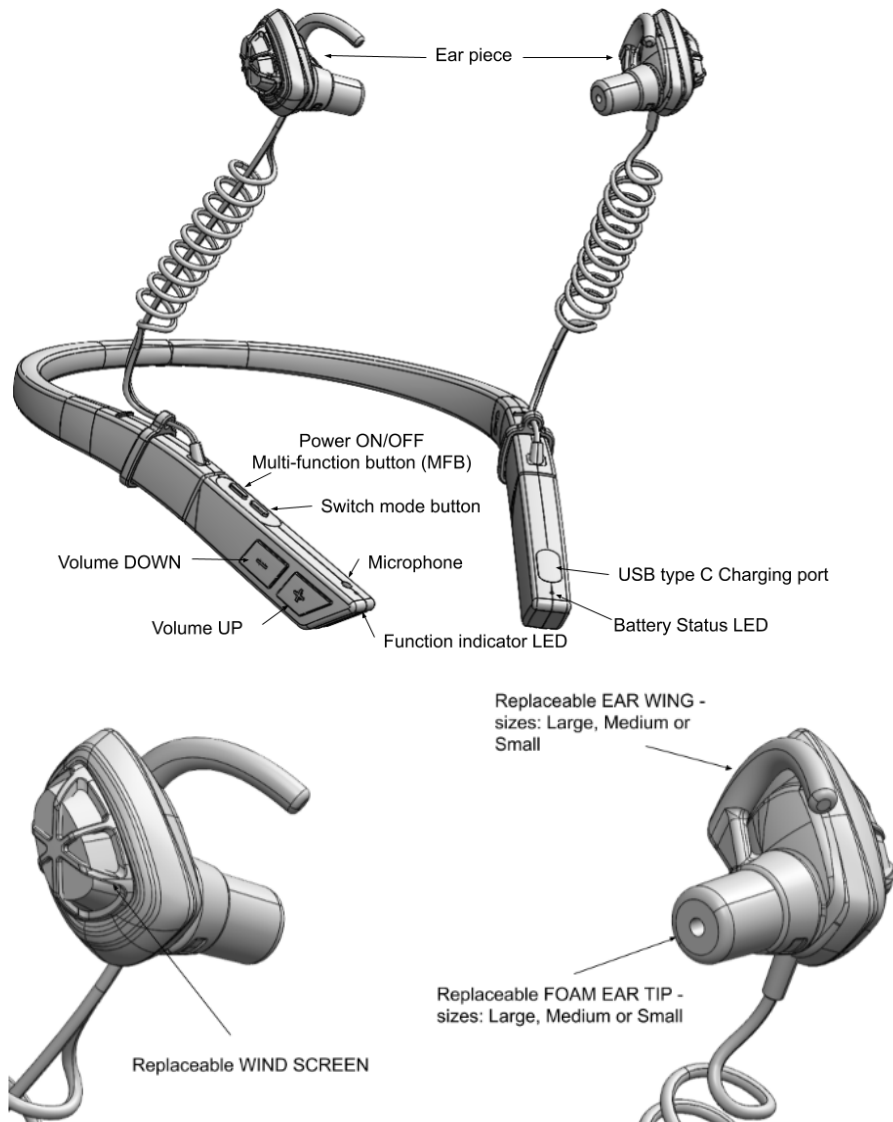
Cet appareil ne doit pas causer d'interférences.

Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Déclaration d'exposition RF:

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF. L'appareil peut être utilisé dans des conditions d'exposition portable sans restriction.

2.6 Product Elements



2.7 Explanation of the Function Indicator LED

LED Signal	Meaning
WHITE light flashes three times	Device Powering On
RED light flashes two times	Device Powering Off
Alternate flashes of RED and BLUE	Device in Bluetooth Pairing Mode (only on Bluetooth enabled models)
BLUE light flashes every two seconds	Device in standard operation without active Bluetooth connection (only on Bluetooth enabled models)
BLUE light flashes every five seconds	Device in standard operation with active Bluetooth connection (only on Bluetooth enabled models)
RED light flashes every two seconds	Listening Audio muted
RED light flashes every three seconds	Battery Charge is low
(When Battery Check is initiated) – RED light flashes four times	50% - 100% Battery remaining
(When Battery Check is initiated) – RED light flashes three times	30% - 50% Battery remaining
(When Battery Check is initiated) – RED light flashes two times	10% - 30% Battery remaining
(When Battery Check is initiated) – RED light flashes once	0% - 10% Battery remaining

2.8 Explanation of the Battery Status LED

LED Signal	Meaning
Solid RED light when device is plugged in for charging	Device is charging

NO light when device is plugged in for charging	Device is fully charged
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2.9 Explanation of Voice Prompts

For information on the 4 Listening Modes referenced below, please see the *Safety Information & Quick Start Card*.

<i>Voice Prompt</i>	<i>Meaning</i>
"Power On"	Device Powering On
"Power Off in 3... 2... 1"	Device Powering Off
"Bluetooth Pairing"	Device in Bluetooth Pairing Mode (only on Bluetooth enabled models)
"Connected"	Bluetooth connection is Active (only on Bluetooth enabled models)
"Disconnected"	Bluetooth connection is Lost (only on Bluetooth enabled models)
"Listening Mode 1"	Listening Audio changed to Mode 1
"Listening Mode 2"	Listening Audio changed to Mode 2
"Listening Mode 3"	Listening Audio changed to Mode 3
"Listening Mode 4"	Listening Audio changed to Mode 4
"Listening Audio Muted"	Listening Audio is muted
"More Than 8 Hours Remaining"	50% - 100% Battery remaining
"Less Than 8 Hours Remaining"	30% - 50% Battery remaining
"Battery Charge Low"	10% - 30% Battery remaining
"Battery Charge Critical"	0% - 10% Battery remaining

3 IMPORTANT SAFETY INFORMATION

WARNING

General Usage Issues

- Fully read and understand this manual and its safety instructions before using this product. Failure to do so can result in serious injury or death.
- This device is intended for use by adults. If it is used by children, it should only be done under adult supervision and after the child is properly trained in its use, per the instructions in this Manual.
- If the device is used in combination with other head-worn products, such as respirators, masks, hardhats and/or safety glasses, the user does so at their own risk. It is the sole responsibility of the user to ensure that all such simultaneously-worn devices are compatible from an interoperability standpoint, and that one device does not degrade the performance of any other.
- Never attach the neck collar of the device to any other item, including but not limited to necklaces, lanyards, neck ties, neck pendants, strings or chains. Doing so could create risk of choking or strangulation hazard.
- To reduce the risk of fire or electric shock, do not expose the device to rain or moisture.
- To reduce the risk of electrical shock, do not open any portion of the device's housing. There are no user-serviceable components inside. Refer servicing to factory trained and qualified personnel only.
- To reduce the risk of fire, do not cover the device with newspapers, tablecloths, blankets, curtains, clothing, etc. Do not place lighted candles or other incendiary devices near to or on the device.
- To reduce the risk of fire or electric shock, do not place objects filled with liquids, such as a drinking glass, near to or on the device.
- Connect AC power adapter to an easily accessible AC outlet. Should you notice any abnormalities in the AC adapter, such as it becoming hot to touch or emitting an odor, immediately disconnect the AC power adapter from the outlet and do not use it further.
- Do not expose the battery to sources of excessive heat, fire or moisture.

-
- The device must not be co-located or operated in conjunction with any other antenna or transmitter.
 - Do not use your CLEAR 360 PRO device while driving a car, truck, motorcycle or operating a boat, aircraft, heavy equipment, all-terrain vehicle, bicycle, or any other type of personal conveyance. The user is solely responsible for ensuring that the CLEAR 360 PRO is used in safe applications and environments *ONLY*.

WARNING

Hearing Protection Issues

- It is the responsibility of the user of this device to have read and understood the test data provided in the *Safety Information & Quick Start Card*, including frequency-specific noise attenuation values, Noise Reduction Ratings (NRR) and Impulse Response limitations. Only use this product under the noise exposure conditions for which it was designed and tested.
- If the information and instructions contained herein are not followed, the hearing protection afforded by the device may be severely impaired.
- Improper fit of this device will reduce its effectiveness in attenuating noise and providing protection. Consult the enclosed instructions for proper fit.
- Misuse or failure to wear the device consistently and at all times when exposed to hazardous noise may result in hearing loss or other injury.
- The hearing protection afforded by the device is, in large part, dependent upon the foam Ear Tips. These foam Ear Tips degrade with use and are thus considered as consumables. Also, they may become dirty and harbor bacteria which could be harmful to the ear canal.
- Ear Tips may also deteriorate due to long-term storage and/or repeated use. Ear Tips must be replaced if they appear to be damaged or dirty.
- If this headset is to be used daily, it is highly recommended that the Foam Ear Tips be replaced at least once per week.

- Only authentic CLEAR 360 PRO Ear Tips should be used, and these are available as inexpensive replacement components from the manufacturer. Use of any other ear tip is at the user's risk, is expressly recommended against by the manufacturer, and cannot be expected to provide the noise attenuation performance reported herein.
- If you experience discomfort while using this device, discontinue usage immediately. Should any problem persist, consult your dealer.

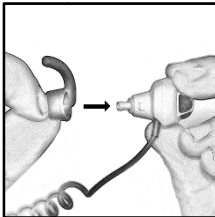
IMPORTANT: Listening to music or other audio content with this unit at high volume may result in a risk of hearing loss due to sound exposure, and also may degrade auditory situation awareness of external sounds, such as warning signals. Thus, it is recommended that the device be played at moderate earphone output levels which will accommodate the noise environment present at the ear. If the noise environment is too loud to enable hearing of earphone output played at a reasonable output level, the volume should not be turned up further.

4 ATTACHMENT OF REPLACEABLE PARTS

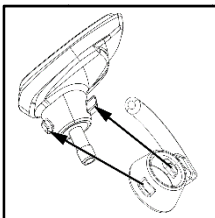
4.1 Attaching Ear Wings

NOTICE

It is recommended that the **Medium** size **Ear Wings** be attached before first use. A different size of **Ear Wing** should only be tried if there is a problem with the fit with the Medium size. (See "5.1 Fitting the Device in Your Ear")



1. Orient the **Ear Wing** so that the rounded portion is facing towards the top and rear of the **Ear Piece**.
 - a. The opening should be facing towards the front of the **Ear Piece**.

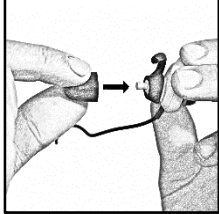


2. Press the **Ear Wing** firmly onto the base of the post on the **Ear Piece**.
 - a. The tabs on the base of the post on the **Ear Piece** should seat fully into the notches on the **Ear Wing**.
 - b. When installed correctly, the **Ear Wing** will lock onto the tabs and will not be able to rotate.

4.2 Attaching Foam Ear Tips

NOTICE

It is recommended that the **Medium** size **Foam Ear Tips** be attached before first use. A smaller size should only be tried if there is a problem with the fit. (See “5.1 Fitting the Device in Your Ear”)

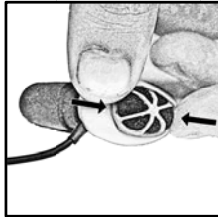


1. Orient the **Foam Ear Tip** so that the flat end is facing towards the **Ear Piece** and the rounded, tapered end is facing away from the **Ear Piece**.
2. Firmly press the **Foam Ear Tip** onto the post of the **Ear Piece** so that the post seats inside the hole in the middle of the **Foam Ear Tip**.
 - a. The **Foam Ear Tip** should seat flat against the base of the post on the **Ear Piece**.
 - b. The entire post should be seated inside of the **Foam Ear Tip**.

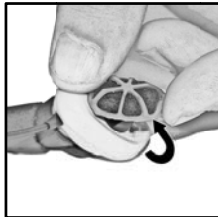
4.3 Replacing Wind Screens

NOTICE

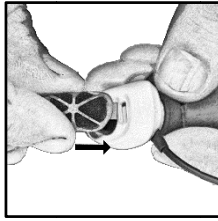
It is recommended that the **Wind Screens** be replaced any time they become clogged with dust, dirt or any other debris.



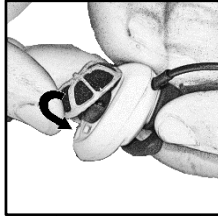
To remove the **Wind Screen**:

1. Pinch the front and back of the **Wind Screen** together between your thumb and forefinger.
- 
2. Lift up on the back of the **Wind Screen** to release the rear clip and rock the **Wind Screen** forward.
 3. Lift the **Wind Screen** off of the **Ear Piece**.

To replace the **Wind Screen**:



1. Insert the forward tab on the **Wind Screen** into the front socket on the face of the **Ear Piece**.



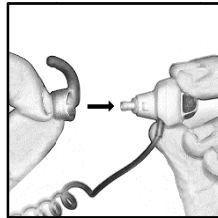
2. Rock the **Wind Screen** towards the rear of the **Ear Piece** and press to lock the rear clip on the **Wind Screen** into the rear socket on the **Ear Piece**.

5 WING AND FOAM FITTING

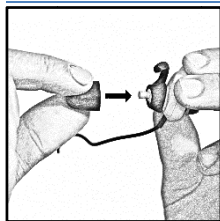
⚠ WARNING

Proper fit of the device into the user's ear is critically important to obtaining protection against hazardous noise. Failure to fit the device correctly may result in permanent hearing loss and/or loss of situational awareness which could result in injury or death. If you are unable to attain a correct fit, discontinue use of this device. If, at any time during or after use, you experience ringing or whistling in your ears (known as "tinnitus"), or a sensation of loss of hearing sensitivity or of sounds being muffled once out of the noise, discontinue use immediately.

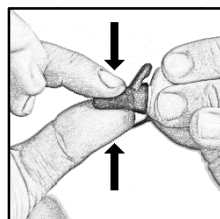
5.1 Fitting the Device in Your Ear



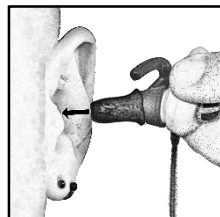
1. Attach the **Medium** size **Ear Wings** to the **Ear Piece** by pressing it onto the base of the post. When installed correctly, the wing will lock onto the tabs on the **Ear Piece** and will not be able to rotate. (See "4.1 Attaching Ear Wings")



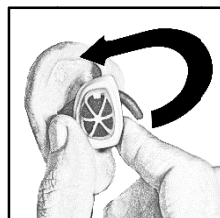
2. Attach the **Medium** size **Foam Ear Tips** to the **Ear Piece** by inserting the post on the **Ear Piece** into the center of the **Foam Ear Tip**. Press firmly until the post is fully inserted into the middle of the **Foam Ear Tip** as deep as possible. (See "4.2 Attaching Foam Ear Tips")



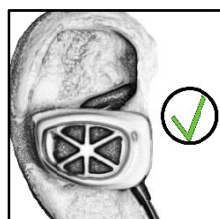
3. Press (squeeze) and slowly roll the **Foam Ear Tip** between your thumb and forefinger until the foam is fully compressed to the smallest possible size, resulting in a thin cylinder shape with no folds or creases.



4. As quickly as possible before the foam Ear Tip expands, position the **Ear Piece** so that the rounded part of the **Ear Wing** is facing upward and the front of the **Ear Piece** is facing the ground. Quickly insert the **Foam Ear Tip** into your ear canal as deeply as possible. Some users will find it beneficial to reach over their head with their *opposite* hand and pull the top of the ear upward and slightly outward while inserting the Foam Ear Tip. This helps to straighten the ear canal, facilitating insertion.

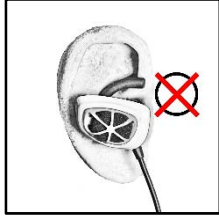


5. Rotate the **Ear Piece** backward in your ear until the **Ear Wing** is fully seated inside of the fold of your ear. *Note:* You may need to press on the **Ear Wing** with your finger to insert it fully.



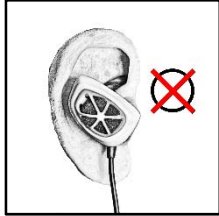
6. The **Ear Piece** will look like the picture to the left when it is inserted properly. The **Ear Wing** will be fully seated into the fold of the ear, and the **Ear Piece** will be parallel to the ground with the wire exiting near the front.
7. Test for proper fit with the unit powered off. Loudly clap your hands next to your ear and listen to the sound level. If the **Foam Ear Tips** are the correct size and properly inserted, all outside sound should be significantly muted (reduced in loudness). If not, repeat all steps and follow the troubleshooting guide that follows.

5.2 Troubleshooting for Proper Fit

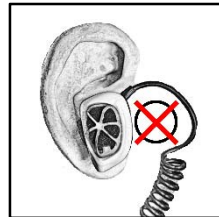


1. If the **Ear Wing** does not fully seat into the fold of the ear, the **Ear Wing** may be too large. Repeat *"Fitting the Device in Your Ear"* steps 1-7 using the **Small** size **Ear Wing**.

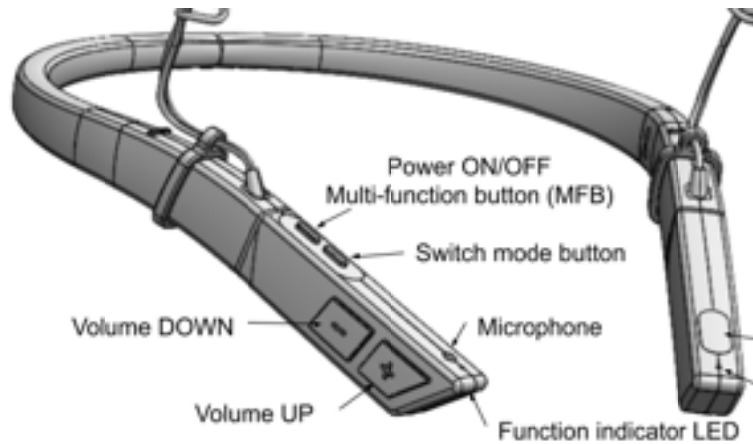
2. If the **Ear Wing** still does not fully seat into the fold of the ear, the **Foam Ear Tip** may be too large. Repeat *"Fitting the Device in Your Ear"* steps 2-7 using the **Small** size **Foam Ear Tips**. If the **Ear Wing** still does not fully seat, repeat *"Fitting the Device in Your Ear"* steps 2-7 using the **Extra-Small** size **Foam Ear Tips**.



3. If the **Ear Piece** can rotate in your ear or does not remain parallel to the ground, the **Ear Wing** may be too small. Repeat *"Fitting the Device in Your Ear"* steps 1-7 using a larger size of **Ear Wing**.



6 BASIC FUNCTIONS



IMPORTANT: The following instructions assume that you have already properly fit the Ear Piece into your ears, using the correctly-sized Ear Wings and Foam Ear Tips.

6.1 Powering On

- To turn on power, press and hold the **Multi-Function Button (MFB)** for 2 seconds until the voice prompt says, "Power On."
 - The **Function Indicator LED** will flash white three times.

6.2 Powering Off

- To turn power off, press and hold the **Multi-Function Button (MFB)** for 5 seconds.
 - You will hear a series of beeps followed by a voice prompt that says, "Powering Off in 3...2...1..."
 - Release the button once the voice prompt plays.
 - The **Function Indicator LED** will flash red 2 times once the power off sequence has begun

6.3 Adjusting the Listening Audio Volume

- The loudness of listening (environmental) audio can be decreased by pressing the **VolumeDOWN** button.
 - A single short duration press of the **Volume DOWN** button will decrease the level by small steps.
 - Long duration pressing and holding the **Volume DOWN** button will continually decrease the level until the button is released.

-
- o A beep will play each time the level changes.
 - o A lower pitched beep will play when the device is set to its minimum volume level.
 - The loudness of listening audio can be increased by pressing the **Volume UP** button.
 - o A single short duration press of the **Volume UP** button will increase the level by small steps.
 - o Long duration pressing and holding the **Volume UP** button will continually increase the level until the button is released.
 - o A beep will play each time the level changes.
 - o A higher pitched beep will play when the device is set to its maximum volume level

6.4 Muting and Unmuting the Listening Audio

- Listening audio can be muted by pressing and holding the **Switch Mode** button for 2 seconds until the voice prompt says, "Listening Audio Muted."
 - o The **Function Indicator LED** will flash red twice every 2 seconds while listening audio is muted.
- Listening audio can be unmuted by quick-pressing the **Switch Mode** button, the **Volume DOWN** button, or the **Volume UP** button.
 - o The **Function Indicator LED** will return to its normal blue flash whenever listening audio is on.

6.5 Changing Listening Audio Modes

For information on the 4 Listening Modes referenced below, please see the *Safety Information & Quick Start Card*.

- Your CLEAR 360 PRO has 4 different audio modes.
 - o Each of these modes has different audio properties and may be useful in various types of noisy environments.
 - o All 4 of these modes provide the same level of hearing protection, in that the automatic volume control suppression in response to increasing external noise is the same for all 4 modes.
- To change Listening Modes, quick-press the **Switch Mode** button.
 - o Audio will mute briefly, and the voice prompt will announce which listening mode you have selected.
 - o Continuing to quick-press the **Switch Mode** button will cycle through all 4 profiles in sequence.

6.6 Checking the Battery Level

- Your CLEAR 360 PRO has a run time of up to 16 hours during normal use and when fully charged, when batteries are new.
- To check the battery level, quick-press the **Volume DOWN** and **Multi-Function Button (MFB)** simultaneously.
 - You will hear a voice prompt.
 - There are 4 different voice prompts, depending on your remaining battery life.
 - “More than 8 hours remaining” will play if you have at least 8 hours of remaining battery life with normal use.
 - The **Function Indicator LED** will flash red 4 times.
 - “Less than 8 hours remaining” will play if you have less than 8 hours of remaining battery life.
 - The **Function Indicator LED** will flash red 3 times.
 - “Battery charge low” will play once the battery level drops below 30%.
 - The **Function Indicator LED** will flash red 2 times.
 - “Battery charge critical” will play once the battery level drops below 10%.
 - The **Function Indicator LED** will flash red once.
 - The voice prompts will play automatically once the battery level reaches the 30% and 10% levels.
 - If the battery fully drains, the voice prompt will say “Powering Off,” and the device will power itself off.

7 CHARGING

The CLEAR 360 PRO has a built-in battery monitoring system that will alert you when the battery is getting low. The system will tell you how much time remains for the safe use of the product to provide time to plan your next charge. Please remember that your battery life will vary based on optional Bluetooth™ use and other factors, including the in-service time of the batteries.

1. Lift the **moisture preventing flap** on the left side of the collar that is covering the **USB type C Charging Port**. (See “2.6 Product Elements”)
2. Insert the **charging cable**’s USB type C end into the **USB type C Charging Port**.
3. Insert the other end of the **charging cable** into a portable battery pack, provided **AC charging block**, or any other USB type A port that provides 5 volts.

-
- a. If using the **AC charging block**, insert the **AC charging block** into an AC wall outlet.
 - b. To remove the **AC charging block from the wall outlet**, grasp the adapter plug itself.
 - c.  **Never pull on the charging cable. Doing so may damage the cable and cause fire or electric shock.**
4. The **Battery Status LED** will illuminate RED while charging.
 5. The **Battery Status LED** will turn off once the device is fully charged.

WARNING

Never plug your CLEAR 360 PRO into any power source that provides more than 5 volts. Doing so may cause severe damage to the device and could result in fire or electric shock.

8 BLUETOOTH™ INFORMATION AND FUNCTIONS

If Bluetooth™ is installed on your CLEAR 360 PRO unit, your headset will be able to wirelessly connect to most models of 2-way radios, mobile phones, and many other devices that support the Bluetooth™ specifications. If you do not have Bluetooth™ installed, you may skip this section.

8.1 Bluetooth™ Information

8.1.1 What is Bluetooth™ wireless technology?

Bluetooth™ wireless technology is a short-range wireless technology that enables wireless data communication between digital devices. Bluetooth™ technology operates with a range of approximately 10 meters (30 feet). You do not need to use a cable for connection, nor is it necessary for the devices to be facing each other as in the case of infrared technology. For example, you can use a connected Bluetooth™ device that is carried in your pocket or bag. Bluetooth™ is an international standard supported by thousands of companies and devices all over the world.

8.1.2 Bluetooth™ related precautions

- Bluetooth™ wireless technology operates within a range of about 10 meters (30 feet). The maximum communication range may vary depending on obstacles (person, metal, wall, etc.) or electromagnetic environment.

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- The antenna of this unit is built into the right side of the collar housing. The sensitivity of Bluetooth™ communication will improve by placing the connected device on your right side.
 - The following conditions may affect the sensitivity of Bluetooth™ communications:
 - There is an obstacle such as a person, metal, or wall between the unit and the Bluetooth™ device.
 - A device using 2.4 GHz frequency such as a wireless LAN device, cordless telephone or microwave oven is in use near the unit.
 - Because Bluetooth™ devices and wireless LAN (IEEE802.11 b/g) use the same frequency, microwave interference may occur, resulting in communication speed deterioration, noise or invalid connection if the unit is used near a wireless LAN device. In such a case, perform the following:
 - Use the unit at least 10 meters (30 feet) away from the wireless LAN device
 - If the unit is used within 10 meters (30 feet) of a wireless LAN, turn off the wireless LAN device.
 - Place the unit and the Bluetooth™ device as near each other as possible.
 - Microwaves emitting from a Bluetooth™ device may affect the operation of electronic medical devices. Turn off this unit and other Bluetooth™ devices in the following locations, as it may cause an accident:
 - Where inflammable gas is present, in a hospital, train, airplane, or petrol station.
 - Near automatic doors or a fire alarm.
 - This unit supports security capabilities that comply with the Bluetooth™ standard to provide a secure connection when the Bluetooth™ wireless technology is in use. However, this security may not be enough, depending on the setting. Be careful when communicating using Bluetooth™ wireless technology.
 - We do not take responsibility for the leakage of information during Bluetooth™ communications.
 - Connection with all Bluetooth™ devices cannot be guaranteed:
 - A device featuring Bluetooth™ function is required to conform to the Bluetooth™ standard specified by the Bluetooth™ SIG and must be authenticated.
 - Even if the device conforms to the above mentioned Bluetooth™ standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
 - While talking on the phone hands-free, noise may occur depending on the device or communication environments.
 - Depending on the device to be connected, it may require some time to begin communication.

-
- To avoid hearing damage, make sure that the volume level of your paired Bluetooth™ device is turned down before connection. Gradually increase the volume on the device to reach a comfortable level.

8.2 Bluetooth™ Pairing

8.2.1 What is pairing?

Bluetooth™ devices need to be “paired” with each other in order to communicate. This process must be done prior to using the device in Bluetooth™ mode. Once the devices are paired, there is no need to perform the pairing function unless:

- Pairing information is deleted - either manually or as part of a repair.
- The unit is paired with nine or more devices.
- When recognition of the unit by the device to be connected is deleted

8.2.2 How to pair Bluetooth™

1. Ensure the CLEAR 360 PRO is fully powered off.
2. Press and hold the **Multi-Function Button (MFB)** for 5 seconds.
 - a. Continue to hold the MFB until you first hear the voice prompt say, “Power On” and then, “Bluetooth Pairing.”
 - b. The **Function Indicator LED** flashes quickly from RED to BLUE while the CLEAR 360 PRO is in pairing mode.
3. Activate your phone or radio’s Bluetooth™ function
4. Search for the “CLEAR360” device and select it.
5. You will hear a voice prompt say “Connected” if the pairing is successful.

When powered down, your CLEAR 360 PRO will store up to 9 devices that have been connected to it.

When powered back up, your CLEAR 360 PRO will automatically reconnect to your device provided that it is within range and powered on.

Your CLEAR 360 PRO will prioritize device connection based on the order in which they were paired, starting with the first device paired.

8.3 Bluetooth™ Button Functions

CAUTION

The **CLEAR 360 PRO** is not able to control the volume level of any paired Bluetooth™ device. Phone call, radio communication and media volume transmitted over Bluetooth™ must be controlled from the transmitting device. Therefore, it is essential that the volume control of

the transmitting device be set to a moderate level (or below) that is safe for human hearing, prior to use of the CLEAR 360 PRO.

8.3.1 General Bluetooth™ button functions

8.3.1.1 *Clearing the paired device list*

- To clear the list of paired Bluetooth devices, press and hold the **Multi-Function Button (MFB)** and **Volume UP** buttons simultaneously for 5 seconds.
 - This will clear all paired devices from your CLEAR 360 PROs memory.
 - All devices will need to be paired again in order to use Bluetooth™

8.3.1.2 *Using voice assistants*

- Your CLEAR 360 PRO is capable of activating the voice assistant (*IE: Siri, Google Assistant, etc.*) on your paired device if it has one.
 - To activate your voice assistant, press and hold the **Multi-Function Button (MFB)** for 1 second until you hear a beep.
-

8.3.2 Phone Call button functions

8.3.2.1 *Answering and Rejecting Phone Calls*

- To answer an incoming call, quick press the **Multi-Function Button (MFB)**
- To reject an incoming call, press and hold the **Multi-Function Button (MFB)** for 1 second.

8.3.2.2 *Hanging up a Phone Call*

- To hang up a Phone Call that is in progress, quick press the **Multi-Function Button (MFB)**.

8.3.2.3 *Transferring a call to the Phone*

- To transfer an in-progress call to your phone handset, double-click the **Multi-Function Button (MFB)**.
 - You will now use the built-in speaker and microphone on your phone's handset.
- To transfer an in-progress call back to your CLEAR 360 PRO, double-click the **Multi-Function Button (MFB)**.

8.3.2.4 *Muting and Unmuting the microphone*

- You can mute and unmute the CLEAR 360 PRO microphone by triple-clicking the **Multi-Function Button (MFB)**.
-

8.3.3 Media Streaming button functions

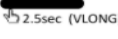
8.3.3.1 *Playing and Pausing media*

- To start and stop media playback, quick press the **Multi-Function Button (MFB)**.

8.3.3.2 *Skipping Tracks*

- To skip to the next track, double-click the **Multi-Function Button (MFB)**.
- To rewind to the previous track, triple-click the **Multi-Function Button (MFB)**.

9 BUTTON FUNCTIONS QUICK REFERENCE

		All Power Off	BT Pairing Mode	BT Connected Streaming or Pause	Incoming Call	During Call
Multi Function Button (MFB)	 Short	-	-	Play / Pause	Answer Call	Hang Up
	 1sec (LONG)	Power On	-	Siri / Google	Reject Call	-
	 5sec	Power On & Enter Pairing Mode	-	Power Off	Power Off	Power Off
	 Double	-	-	Next Track	-	Call Transfer To Phone
	 Triple	-	-	Previous Track	-	Mic Mute
Volume +	 Short	-	Unmute Listening Audio If Unmute, Volume Up Listening Audio	Unmute Listening Audio If Unmute, Volume Up Listening Audio	Volume Up Listening Audio	Volume Up Listening Audio
	 repeat Over 1sec	-	Repeat Volume Up Listening Audio	Repeat Volume Up Listening Audio	Repeat Volume Up Listening Audio	Repeat Volume Up Listening Audio
Volume -	 Short	-	Unmute Listening Audio If Unmute, Volume Down Listening Audio	Unmute Listening Audio If Unmute, Volume Down Listening Audio	Volume Down Listening Audio	Volume Down Listening Audio
	 repeat Over 1sec	-	Repeat Volume Down Listening Audio	Repeat Volume Down Listening Audio	Repeat Volume Down Listening Audio	Repeat Volume Down Listening Audio
Switch Mode	 Short	-	Switch Mode/ Unmute Listening Audio	Switch Mode/ Unmute Listening Audio	Switch Mode/ Unmute Listening Audio	Switch Mode/ Unmute Listening Audio
	 2.5sec (VLONG)	-	Mute Listening Audio	Mute Listening Audio	Mute Listening Audio	Mute Listening Audio
MFB	 5 sec Push at the same time	-	Clear Paired Device List	Clear Paired Device List	-	-
Volume +						
MFB	 short Push at the same time	-	Battery Check	Battery Check	-	-
Volume -						

10 ADDITIONAL INFORMATION

10.1 Warranty

There is a two-year guarantee against defects in materials and workmanship. In the event that the CLEAR 360 PRO product is found to be defective in material, workmanship, or not in conformity with any express warranty for a specific purpose, CLEAR 360's only obligation and your exclusive remedy shall be at CLEAR 360's option, to repair, replace or refund the purchase price of such parts or products upon timely notification of the issue by you and substantiation that the product has been stored, maintained and used in accordance with CLEAR 360's written instructions.

CLEAR 360 has no obligation under this warranty with respect to any product that has failed due to inadequate or improper storage, handling, or maintenance; failure to follow product instructions; or alteration or damage to the product caused by accident, neglect, misuse, modifications or repairs done by the user, abuse, fire, flood or other acts of God.

This warranty shall not cover adjustment of user-operated controls as explained in the appropriate instruction manual.

The warranty shall not apply to unboxing, setup, installation, or the removal for repair.

10.2 Limitation of Liability

EXCEPT WHERE PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, OR THOSE ARISING FROM A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE, EXCEPT OF TITLE AND AGAINST PATENT INFRINGEMENT.

EXCEPT WHERE PROHIBITED BY LAW, IN NO EVENT SHALL CLEAR 360 BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGES (INCLUDING LOST PROFITS) ARISING FROM THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ASSERTED. THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE.

10.3 Dispute Resolution

Any dispute, controversy or claim arising out of or relating to this Agreement, including any modification or breach thereof, shall be governed by the laws of the state of Florida (USA) and shall be settled and finally determined by arbitration to be held in accordance with the rules of the state of Florida (USA) and the place of arbitration will be in St. Lucie County, Florida (USA). Any judgment upon any award rendered by the arbitrator(s) shall be final and binding on the parties and may be entered in any court having jurisdiction thereof. The parties explicitly waive the jurisdiction of the courts in the territory to resolve any disputes arising out of or in connection with this Agreement

10.4 Maintenance

- Clean your foam tips by gently wiping them with a clean, damp cloth. Only use water when cleaning and allow time to dry thoroughly before use. Do not clean these tips with alcohol-based cleaning solutions. For peak performance, we recommend replacing the foam tips every week or when they become soiled.
- Only authentic CLEAR 360 PRO replacement Ear Tips are to be used. Replacement foam tips can be purchased directly from www.clear360products.com
- Do NOT use abrasive cleaners or solvents when cleaning the CLEAR 360 PRO headset
- Avoid scratching the CLEAR 360 PRO headset with sharp objects that could cause damage
- Keep the CLEAR 360 PRO headset away from high heat, humidity or dusty areas.
- The CLEAR 360 PRO may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer.
- The CLEAR 360 PRO should be stored at room temperature - between 59° F (15° C) and 77° F (25° C). If you are storing for longer periods of time (greater than 1 month) discharge the unit for at least 2 hours before storing for maximum battery life.

10.5 Accessories and Replacement Parts Ordering

Replacement parts and accessories may be purchased by visiting: <http://www.clear360products.com>

The following table contains a list of all available replacement parts and accessories.

Part Number	Quantity	Description
C360FTL	10 each	10 pack, foam ear tips, LARGE
C360FTM	10 each	10 pack, foam ear tips, MEDIUM
C360FTS	10 each	10 pack, foam ear tips, SMALL
C360FTXS	10 each	10 pack, foam ear tips, EXTRA-SMALL
C360WTL	10 pair	10 pair, (left and right) ear wings, LARGE
C360WTM	10 pair	10 pair, (left and right) ear wings, MEDIUM
C360WTS	10 pair	10 pair, (left and right) ear wings, SMALL
C360WS01B	10 each	10 pack, wind screens with cover, Black

10.6 Important Notice Regarding Hearing Protection

CLEAR 360 does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by CLEAR 360. The user is responsible for determining the suitability of the products for their intended use.

CAUTION

- Hearing protectors should be used in conjunction with a hearing conservation program that also includes noise exposure monitoring, audiometric testing, training and recordkeeping. Consult an Occupational Health and Safety professional for more information.
- When worn according to the User Instructions, this CLEAR 360 PRO hearing protection system helps reduce exposure to both continuous noises as well as certain loud impulse noises. It is difficult to predict the required and/or actual hearing protection obtained during exposure to impulse noises. It is important that you read and understand the test data provided on the *Safety Information & Quick Start Card* and make your own determination as to the suitability of the product when used in your environment, for continuous noise, impulse noise or both. Proper selection, fit and use of hearing protection, proper care of hearing protection, and other variables will impact performance. For this product, proper selection and fit of the Ear Tips and Ear Wings are essential to the protective performance afforded. Also, user selection of safe listening levels (earphone volume output) is essential for avoidance of hearing loss and degradation of auditory situation awareness. If your hearing seems dulled, muffled or you hear a ringing or buzzing during or after any noise exposure, or for any other reason you suspect a hearing problem, your hearing may be at risk. To learn more about hearing protection for impulse noise, visit:

www.clear360products.com

10.7 Materials and Allergies

The neckband and earbuds are made of plastic and contain no known allergens. The foam ear tips do not contain vinyl. The products contain no nickel, chrome or natural rubber that can come into contact with users' skin.

10.8 Product Disposal

Please dispose of the CLEAR 360 PRO headset according to local regulations and recycle when possible. Do not dispose as household waste. Do not dispose of the headset in a fire as the battery may explode. Batteries may also explode if damaged.

Patents and design registration are pending internationally.

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Made in China

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