



#### IDENTIFY MUFF COMPONENTS

- ① PU leather/Foam  
(materials of headband and of cushions)
- ② Adjustable telescopic rod
- ③ On/Of switch
- ④ Volume control
- ⑤ Audio input
- ⑥ Microphone
- ⑦ BT led signal
- ⑧ Bluetooth sync button

## CE 2834

- EN352-1:2020
- EN352-4:2020
- EN352-6:2020
- EN352-8:2020

This product is legislation to Regulation (EU) 2016/425. It is classified as Category III and tested/certified by Notified Body 2834, CCQS Certification Services Limited, located at Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1 Dublin Country: Ireland

#### IMPORTANT SAFETY INFORMATION

Thank you for purchasing this Audio in jack connecting to phone or MP3 player via included 3.5mm cable and Hearing Protector with Bluetooth capability. This hearing protector is designed to reduce exposure to harmful levels of noise. To get the best comfort, it and function from this product, Read this User Instruction Manual carefully before operating this unit. Save this Manual for future reference. For details on noise reduction, refer to the attenuation table.

#### Product (electronic ear muffs EM 030)

The electronic ear muffs feature Bluetooth technology with independent volume control. For optimum comfort, it and function of the product, it is important to read the instructions carefully and save them for future reference.

#### Functions

- a) Bluetooth Sync function with Mobile device.
- b) Sound amplification - Amplify ambient low-level sounds such as footsteps, whisper etc
- c) Low Noise/Frequency tuned for natural sound
- d) 3.5mm input jack wire that can connect earmuff to listen to MP3 etc (it can work under when the bluetooth sync is on)
- e) Volume control & directional sound. Ergonomics design volume control knob allows for total adjustment for sound adjustment.

#### BATTERY INSTALLATION

Lift off the BATTERY COVER to reveal the COMPARTMENT using the tab at the bottom. Be careful not to lose the cover. Insert TWO HEAVY DUTY AAA BATTERIES ensuring the polarity is correct according to the diagram inside the battery compartment. Incorrectly installed batteries could damage the unit. To close the BATTERY COMPARTMENT, place cover over battery compartment and snap into place.

#### WARNING!

- a) check that the size of the earmuffs suits you, and that is perfectly adjusted when you wear it. Ensure that your headset is fitted adjusted, and maintained in accordance with the instruction of this guide. Do not wear any protective earmuffs whose size is not suitable.
- b) the product is not a toy, keep the earmuffs out of reach of children.
- c) Be careful not to drop your hearing protection headset since it contains electronic components that are sensitive to shocks.
- d) keep your headset away from objects emitting strong radio waves, since this can degrade the sound quality and risks preventing the normal operation of your product.
- e) Do not expose the headset to direct sunlight or high temperatures.
- f) To clean your headset, use a soft cloth soaked with a neutral solution.

#### Fitting instructions

Don the ear muffs with the controls over your right or left ear.

CAUTION! Spread the ear cups only enough to clear the ears. Brush hair from beneath the cushions with your hand as much as possible.

CAUTION! Make sure the cushions seal tightly against your head. Foreign objects (such as pencils) between the ear cup and your head reduce the efficiency of the ear muff. Use glasses with smallest temple available (cable type is best). With the headband over the crown of your head, position the muffs to completely enclose your ears. Spread the ear cups only enough to clear the ears. Do not reform or reshape the headband.

CAUTION! The muffs only provide hearing protection when worn with the headband over the crown of your head. Slide the muffs up or down to adjust for a firm, comfortable fit.

- a) Push the battery compartment upwards.
- b) Insert 2 new AAA batteries. Caution! the correct position of the positive (+)
- c) Wear the ear muffs and adjust the headband until you feel comfortable.
- d) Do not cover your hairs and make sure your ears are full covered.

Follow an appropriate hearing conservation program, which includes adequate monitoring and audiometric testing, to ensure effective hearing protection. Improper use of the hearing protector or failure to implement an appropriate hearing conservation program, including adequate monitoring and testing can result in hearing loss or other serious personal injury.

#### WARNING!

- Check performance before using this product.
- This product contains small parts that may present a choking hazard. Not for children under 3 years.
- Hearing protectors in general can block external sounds such as warning calls, alarms, and other important signals. Pay special attention to what is happening around you when wearing hearing protectors. Setting the volume too high can further reduce your ability to hear external sounds, which could expose you to considerable risk and lead to serious accidents. Adapt the volume to your working situation.
- These ear muffs contain batteries and electrical components that may cause ignition in flammable or explosive atmospheres. DO NOT use in environments where sparks may cause fire or explosion. Misuse can result in injury or death.
- DO NOT use the radio while driving an automobile or bike. The radio and muffs could block surrounding sounds and increase the risk of having an accident.
- Failure to follow the warnings and instructions in this User Instruction Manual can result in serious personal injury or death.
- In noisy environments, the ear-muffs must be worn in the working position at all times.
- The fitting of hygiene covers to the cushions may affect the acoustic performance of the ear-muffs.

#### MANUAL SEARCH - rotate a TUNE BUTTON or step by step until it reaches your favorite station.

Setting up Bluetooth Operation - Turn on the Bluetooth function on your phone or other Bluetooth enabled device. (This function is often found in the phone's settings area.) Turn on the ear muff and press the bluetooth sync button. Look for the screen to display "\*\*\*\*" moving to the right. In your Bluetooth enabled device (eg., phone) settings, look for a device that starts with "EM" (for example, EM030) and pair the device with the AM-FM-MP3 ear muff. After the device is paired, "Connected" will usually appear on the phone's settings and "-ON-" will appear on the ear muff's BT led signal display. To disable the pairing, press and hold the Press Bluetooth sync button for 2 seconds.

Press Bluetooth sync button to play or pause music from your MP3 player.

Answering a phone call while using the Bluetooth function - When there is a phone call with a paired phone, there will be a telephone ringing sound in the ear muff. To answer the call, press the Bluetooth sync button on the ear muff, or the answer button on your phone. (Note: you may also need to select the Bluetooth function on your phone's audio button (often found on the answer screen during a phone call.) After the phone is paired, the user can also still hear a phone call while in the AM, FM or Auxiliary device modes.

#### Wear the ear muffs correctly



- g) take care to store your headset in a clean and dry location, before and after use.
- h) Headset and the particular cushions may deteriorate with use and should be examined at frequent intervals for cracking and leakage, for examples.
- i) The fitting of hygiene covers to the cushions may affect the acoustic performance of the earmuffs.
- j) Do not insert any foreign body into your headset, as this could seriously damage it.
- k) Do not allow any liquid to enter your headset, at this could seriously damage it.
- l) In case of immersion or prolonged heavy rain, have the electronics of your earmuffs checked by a professional.

- m) This product may be adversely affected by certain chemical substances. Do not use detergents.
- n) Your headset must be worn at all times in noisy surrounding.
- o) Inspect regularly your headset to verify that it remains operational. Do not use your earmuffs if it's damaged. Has it checked and repaired by a professional.
- p) Be careful in a wooded environment, you may hang your earmuffs.
- q) If your earmuffs moves because it falls or get caught in branches, remember to reposition it so that it remain effective.
- r) If the recommendations given in this guide are not adhere to, the protection aforded by your headset will be severely impaired.
- s) This headset is provided with level-dependent attenuation. The wearer should check correct operation before use. If distortion of failure is detected, the wearer should refer to the manufacturer advice for maintenance and replacement of the batteries.
- t) performance may deteriorate with batteries usage. The typical period of continuous use that can be expected from this hearing proctor may exceed the external soundlevel.
- u) This model of ear-muffs can satisfy the optional requirements at -20°C to +50°C
- v) The earmuff are provided with electrical audio input. The wearer should check correct operation before use. If distortion or failure is detected, the wearer should refer to the manufacturers advice.
- w) Warning. The output of the electrical audio circuit of this hearing protector may exceed the daily limit sound level.
  - To ensure proper hearing protection, the ear-muffs must be fitted, adjusted and maintained in accordance with user's instructions. If these instructions are not adhered to, the protection aforded by the ear muffs could be severely impaired.
  - Do not disassemble the ear-muffs. If any unauthorized repair or modification has been carried out on the device, warranty is no longer valid.
  - The audibility of warning signals at a speciic workplace may be impaired while using the entertainment facility. These versions limit the entertainment audio signal to 82 dB(A) efective at the ear.
  - Remember that hearing protectors may shut out external ambient sounds, such as warning shouts, alarms and other important signals. The audibility ofwaming signals at a speciic workplace maybe impaired while using the entertainment facility. The user must be especially attentive of the surround- ings when wearing hearing protection.
  - Depending on the model, this ear-muffs provided with level-dependant attenuation and/or electrical audio output. The wearer should check correct operation before use. If distortion or failure is detected,the wearer should refer to the manufacturers advice for maintenance and replacement of the battery.
  - Performance may deteriorate with battery usage. The battery life time varies depending on the mode of use and volume output.
  - The output of the level-dependent circuit of this hearing protector may exceed the external sound level.
  - The output of the electrical audio circuit of this hearing protector may exceed the daily limit sound level.
  - Refer to the attenuation table for further details on noise reduction. Make sure to select the correct product for the application.
  - These models of ear-muffs have satisfied the optional requirements of thermal resistance at -20 °C and +50 °C.

## APPROVALS

The product meets the Basic Safety Requirements of the European Community regulations. The certificates are issued by Notified Body2834,CCQS Certiication Services Limited,Block1 Blanchards town Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1 Dublin Country: IrelandAttenuation Data

The attenuation values and noise levels for the headset are tested and approved according to EN 352-1, EN 352-4, EN 352-6, EN 352-8.

SNR=27dBH=29dB M=24dB, L=19d							
Test Frequency (Hz)	125	125	125	125	125	125	125
Mitigation average (dB)	17.2	17.2	17.2	17.2	17.2	17.2	17.2
Standard deviation (dB)	3.2	3.2	3.2	3.2	3.2	3.2	3.2
MEAN-SD	14.0	14.0	14.0	14.0	14.0	14.0	14.0

### Criterion Levels

The sound pressure level of external sound for which the sound pressure level under the ear-muff first exceeds 82 dB(A).

## MATERIALS

Part	Materials	Part	Materials
Cup	ABS	Attenuation foam (inserts)	Polyurethane
Cover	ABS	Cushions	Polyurethane, PVC
headband	Acetal	Button	TPE

## STORAGE

When the ear-muffs are not in use, store them without stretching the headband and without compressing the cushions. To avoid uneven compression of the ear cup cushion, ensure that the cushions lie lat against each other and that there are no creases in them. Keep the ear-muffs dry and clean, store them at normal room temperature, away from dust and do not place them indirect sunlight.

If the product is to be stored for a prolonged period, remove the batteries to avoid damage.

## MAINTENANCE

Inspect the ear-muffs regularly for serviceability. Ear-muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage, for example at the start of every work shift. Clean and disinfect the cups, cushions and inserts with mild soap and water only. The ear-muffs must not be immersed in water.

After use, moisture may accumulate inside the ear cups. To avoid moisture damage to electronic components, the acoustic foam must be removed regularly, and the ear cups/contents allowed to dry, to remove, reach inside the ear cup cushion and pull out the acoustic foam. CAUTION! Do not touch the electronics board or cables! once dry, reinstall the acoustic foam by placing it in the ear cup to completely cover the electronics.

This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer. Do not subject the product to rough handling, which can damage the electronics. Dispose of the product and batteries in accordance with national and local regulations.

## HYGIENE Kit

The cushions and inserts are replaceable. Always replace worn or damaged parts. Remove the cushion by pulling it straight out. Replace the old cushion and insert with new ones from the hygiene kit (see the following ictures). Use only hygiene kits from ZH.

## Replace the ear pads



## BATTERIES

Only use batteries with 1.5 rated voltage (rechargeable or non-rechargeable). The use of rechargeable batteries such as NiMH 1.2 V or NiCd 1.2 V will signiicantly reduce operating time. Replacing the Batteries.

Turn the device of during battery replacement.

The battery compartment is located in the left cup. To install new batteries, remove the cover plate and insert the batteries, starting with the upper battery. Make sure that the + and - poles are correctly aligned. Replace the cover plate.

To access the batteries, uncscrew the cover plate on the left hand ear muff.

## WARRANTY

Our products are guaranteed to be free from defects, workmanship, under normal use and conditions for a period of ONE YEAR from the date of purchase. If you have any issues, concerns, or suggestions, please feel free to contact us. sale@zh-safety.com

## EU Declaration of conformity enclosed



### CUSTOMER SERVICE Any Issues or Suggestions

Contact us : sale@zh-safety.com  
If you have any questions, Please contact us:  
sale@zh-safety.com  
Manufacturers: Hangzhou ZH Tech Co., Ltd.  
Address: No.8,ShunLe Road,Yuhang, Hangzhou, P.R.China

NOTE: 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.

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

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.