

Instructions for Battery Installation or Replacement

1. Turn the control switch to the OFF position.
2. Locate the battery compartment cover on the left earcup.
3. Press down and in the direction of the arrow to remove the cover.
4. Remove the discharged batteries.
5. Insert 2 new AAA batteries, making sure that they are installed with negative (flat) end against the coil spring.
6. Replace the battery compartment cover.
7. Remove batteries if product will be stored for an extended period of time (more than 30 days).

Troubleshooting Guide

PROBLEM	SOLUTION
Fails to turn on	1. Replace batteries. 2. Make certain batteries are correctly positioned. Adjust spring contact if necessary.
Fails to amplify sound or fails to cut out	Replace the batteries. When the voltage is too low, the circuit will not operate.
Static	A broad band microwave device, such as a cell phone, is transmitting within 40 feet. Relocate.
LED fails to light	Check switch or batteries.
Humming or background noise	The microphone is very sensitive. Ventilation or air-conditioning fans, motors, car or truck traffic, wind, etc., and other low-level "white noise" sounds will be picked up and amplified. Turn down volume to reduce this type of interference.

Battenfeld®
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E-MAX® Electronic Stereo Hearing Protection

Product
#497700

Instruction
#1005498
Rev. C



Product Instructions

Limited Warranty

Every Caldwell product is warranted to be free of defects in materials and workmanship for a period of one (1) year from the date of original purchase. Caldwell will, at its option, repair or replace without charge, except for transportation costs, parts that fail under normal use and service when operated and maintained in accordance with our Instructions. This warranty does not apply to normal wear or to items whose life is dependent upon their use and care. This warranty is in lieu of all other warranties, expressed or implied and releases Caldwell, its affiliates, and its vendors from all other obligations and liabilities.



WARNING

READ ALL INSTRUCTIONS AND WARNINGS BEFORE
USING THIS PRODUCT; FAILURE TO FOLLOW WARNINGS MAY RESULT IN
SERIOUS PERSONAL INJURY, INCLUDING HEARING LOSS

Noise
Reduction
Rating

25 DECIBELS
(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS
FOR EXISTING HEARING PROTECTORS IS
APPROXIMATELY 0 TO 31 (HIGHER NUMBERS
DENOTE GREATER EFFECTIVENESS).

BATTENFELD TECHNOLOGIES, INC.
COLUMBIA, MO MODEL #497-700

Federal law prohibits
removal of this label
prior to purchase.



LABEL REQUIRED BY
U.S. E.P.A. REGULATION
40 CFR PART 211, Subpart B

NRR = 25 dB Tested in accordance with **ANSI S3.19-1974** **Over-the-head**

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation dB	18.0	22.9	29.0	36.6	33.9	37.8	38.2	38.0	35.9
Standard Deviation dB	2.7	2.2	2.9	3.4	2.2	3.3	3.7	3.9	4.0

The NRR calculated from these laboratory-based attenuation data is 25.

Improper fit of this device will reduce its effectiveness in attenuating noise. Consult instructions use for proper fit.

The level of noise entering a person's ears when a hearing protector is worn as directed is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

EXAMPLE: 1. The environmental noise level as measured at the ear is 92 dB(A).

2. The NRR is 25 decibels (dB).

3. The level of noise entering the ear is approximately equal to [92 dB - 25] 67 dB(A).



CAUTION: For noise environments dominated by frequencies below 500Hz, the C-weighted environmental noise level should be used.

Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the noise reduction rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. (Wording required by EPA.)

E-MAX Electronic Stereo Hearing Protection Instructions

Thank you for your purchase of the Caldwell E-MAX Electronic Stereo Hearing Protection. These specially designed over-ear hearing protectors can protect your hearing from noise sources such as gunfire, as well as amplify sounds allowing you to hear normal conversation, range commands, even the sound of game in the woods. The E-MAX feature an electronic amplification mechanism that clarifies low pitch sounds, but "shut down" within milliseconds when sounds above 85 dB occur.

Instructions For Fitting:

To achieve maximum protection, the earmuffs must be properly worn.

1. Position the muffs so the microphones are facing forward (volume knob on right ear).
2. Extend headband to maximum "open" position and place the cups over the ears with the headband passing over the head.
3. Settle the headband in position on the head while adjusting the height of the ear cups up or down until they completely cover the ears and feel comfortable and the headband rests on the top of the head to support the muffs.
4. Make sure that the headband is evenly adjusted, left to right. The ear cushion should be a snug fit against the head.
5. Make sure to get as little hair as possible between the ear cushions and your head.

Key Points For Usage:

- Earmuffs must be properly fit to provide maximum protection.
- Proper seal of the earcup cushions to the user's head is necessary for adequate protection of hearing.
- Do not allow cushion seal to be impaired by objects between the cushions and head, such as: excessive hair, eyeglass frames, pencil, etc.
- Do not bend or modify any portion of the earmuffs or headband.
- Inspect earcup cushions for damage regularly. If the cushions become hard or damaged they should be replaced immediately.

Instructions for Operation

1. Turn the switch clockwise to the ON position; the LED will indicate that the circuitry is on.
2. Place the E-MAX on your head with the control mechanism on the right ear.
3. Adjust the volume until hearing is at normal or comfortable level to meet your needs.
4. Turn the switch OFF when not in use; the LED will go out, indicating that the circuitry is off.