

EAR Customized Hearing Protection Highlights Digital Technology for Enhanced Hunting Field Awareness

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BOULDER, CO - April 30, 2026 -
EAR Customized Hearing Protection today emphasized the growing importance of digital hearing protection technology in helping hunters maintain critical field awareness while safeguarding against dangerous noise exposure levels. The company notes that modern digital solutions address longstanding challenges faced by hunters who need both hearing protection and the ability to detect environmental sounds.

Traditional passive hearing protection has long presented hunters with a difficult choice between protecting their hearing and maintaining awareness of their surroundings. Digital hearing protection technology now allows hunters to protect against harmful impulse sounds while amplifying ambient noises to safe levels, enabling them to hear game movement, communication from hunting partners, and important environmental cues.

"Digital hearing protection represents a fundamental shift in how hunters approach field safety and performance," said Garry Gordon, Director of Product Development at EAR Customized Hearing Protection.

"The technology allows instant compression of dangerous sounds while maintaining or even enhancing the ability to hear quieter sounds that are crucial for hunting success and safety."

The evolution toward digital solutions reflects growing awareness of hearing damage risks in hunting environments. According to federal safety standards, OSHA impulse noise thresholds specify that peak sound levels should not exceed 140 decibels. Firearm discharge typically produces sound levels ranging from 140 to 175 decibels, significantly exceeding safe exposure limits. Even a single unprotected exposure to firearm noise can cause permanent hearing damage.

Digital hearing protection systems use advanced circuitry to continuously monitor environmental sound levels. When detecting sounds approaching dangerous levels, these devices instantly reduce the volume to safe levels while maintaining sound clarity. This compression happens in milliseconds, protecting the ear from damage while preserving the ability to hear the shot and its echo, which provides valuable feedback to the shooter.

The technology also addresses communication challenges that have historically plagued hunters using passive protection. Digital systems allow normal conversation at safe volume levels, eliminating the need to remove protection to communicate with hunting partners. This feature proves particularly valuable during group hunts where coordination and safety depend on clear communication.

Field testing and gunshot noise exposure data have demonstrated that quality digital hearing protection can reduce peak sound pressure levels by 25 to 35 decibels while maintaining or enhancing detection of sounds below 85 decibels. This performance range provides substantial protection against firearm noise while preserving the subtle sound detection abilities hunters rely upon.

Beyond basic protection, digital systems offer features that enhance the hunting experience. Directional microphones help hunters locate sound sources more accurately, while adjustable amplification levels allow customization for different hunting environments and personal preferences. Some systems include wind noise reduction technology, addressing a common complaint about electronic hearing protection in outdoor settings.

EAR Customized Hearing Protection specializes in custom-molded and digital hearing protection solutions designed specifically for shooting sports and hunting applications. The company combines expertise in hearing protection technology with understanding of real-world hunting requirements to develop products that address both safety and performance needs.

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EAR Customized Hearing Protection

EAR Inc. provides high-quality hearing protection worldwide, offering custom-fit and generic earplugs for industrial, shooting, law enforcement, and leisure use. Trusted by professionals, EAR delivers comfort, performance, and proven hearing protection.

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