

## Electronic Earmuffs

Foldable electronic earmuffs for Military, Police, SWAT and more!

### Elvex Impulse™, Mil-Spec, Com-550

Elvex Impulse foldable ear muff is equipped with noise suppression and communications circuitry. Users are getting impulse noise (such as gun fire) suppression, while the electronic circuitry enhances weak sounds, such as an instructors voice. An impulse filter activates in four milliseconds.

Sounds exceeding 82 dB are suppressed by a gain limiter. Also, any remnant of an impulse sound that is sent through the circuitry will be subjected to the gain limiter.

### Technical features

- Hearing protection is the primary objective of Elvex Impulse and it provides 25 dB NRR (Noise Reduction Rating), as tested by independent and certified laboratory.
- Com-550 is a foldable hearing protector and a heavy duty nylon case is included
- The hearing protector has two external microphones and two independent volume controls, positioned on the two ear cups.
- Each ear cup is equipped with its own electronic circuitry, thus requiring no wires between the two ear cups. The sound reception is stereophonic, with maintained directional hearing.
- An electronic gain limiter limits the sound produced inside the headset to 82 dB, in order to maintain hearing protector integrity.
- An impulse (or impact) filter electronically eliminates impulse sounds by closing down the circuitry in four milliseconds, and opening the circuitry again in about 1/4 second (in order to prevent echo effect). This feature makes Elvex Impulse very effective on the shooting range. The gun shots are eliminated, but the shooting instructor can still be heard.
- An audio jack (3.5 mm jack) for connection of radios is standard. This jack will provide listen-only capability (not two way communications). The input signal will be heard in addition to the normal ambient (the environmental) signal. The input signal will be heard even if the headset is turned off or run out of batteries.





- The communications features of Elvex Impulse allow you to have close range communications in select continuous noise environments. The microphones on the outside of the earmuffs "listen to" the environment and send the signal to the electronic processor.
- Frequencies below 400 Hz and above 4,000 Hz are not processed and therefore the speech to noise ratio can be improved in many continuous noise environments.
- Elvex Com-550 uses four 1.5 Volt AAA batteries, two on each side. Batteries are included. The headset will operate for approximately 200 hours on one set of batteries, under normal circumstances.
- An auto off switch will turn off the headset after four hours of continuous use, in order to conserve battery use.

Com-550 Elvex Impulse, Mil-Spec, carrying case included, 25 dB NRR.

HK-600 Hygiene Kit consisting of replacement ear cushions and foam absorbers

Attenuation tests in accordance with ANSI S3-19-1974, Dr. Michael & Associates, State College, Pennsylvania, USA

Frequency, Hz	125	250	500	1000	2000	3150	4000	6000	8000	H	M	L	NRR
Mean Attenuation, dB	15.7	21.9	31.2	34.9	34.9	37.1	39.4	39.9	39.4	35	29	21	25
Std. Deviation	2.7	2.8	3.2	1.9	2.5	3.4	2.2	3.6	3.5				