

# Communication Algorithms

- Very high level of intelligibility and naturalness of enhanced signal
- Significant improvement of signal to noise ratio of up to 20dB
- Lip synchronous by short delay of 16 ms

Algorithm	Applications
Active Noise Cancellation	Headsets for factory workers or airport ground staff
Active Noise Reduction	Hearing protection headsets
Acoustic Feedback Control	Where microphones are close to speaker in small cavities. For example, In The Ear (ITE) headsets
Automatic Gain/Volume Control	Ear defenders used for hunting or on the shooting range.
Acoustic Echo Canceller	Conference calls, full duplex applications
Multiband Dynamic Range Compressor	Headsets for factory workers or airport ground staff
Wind Noise Suppression (WNS)	Headsets used in rugged environments (oil rig, airport ground staff, battle field etc.)
Equaliser (EQ)	Any headset, microphone or speaker product

