3D Audio Display

Retrieve the localisation of sound sources in your hearing protection device



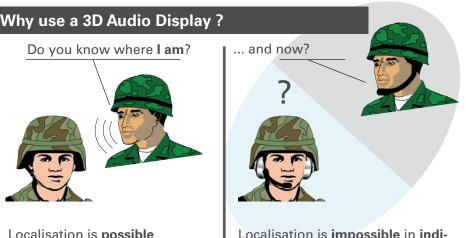
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The 3D Audio Display retrieves the localisation of one or several sound sources and renders it in stereo headsets or hearing protection devices.



The 3D Audio Display

- retrieves the localisation of sounds in an environment where a normal propagation of acoustic waves is not possible,
- alerts the user immediately by emitting spatialised warning signals when a suspicious event is occurring.
- facilitates speech understanding in multi-talker radio communication by assigning a different virtual direction to each voice.



Localisation is possible in direct communication

Localisation is impossible in indirect communication via headsets

Solution: The 3D Audio Display integrates a spatial dimension into assisted communication systems.



Technical features

- DSP (Digital Signal Processor)
- Stereo headset
- Magnetic compass and/or GPS for applications which require following the movement of the head and/or of the user

The 3D Audio Display function can also be implemented into the DSP of existing radio and communication systems.

Applications

- Indication and localisation of a threat under operational conditions
- · Optimisation of speech understanding in multi-talker radio communication systems



