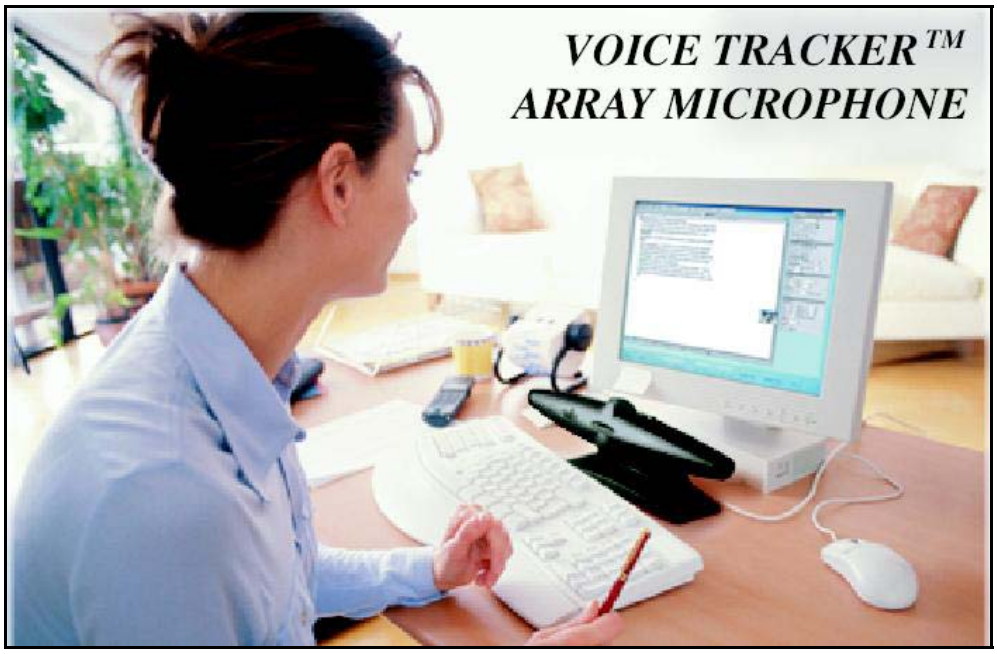


Unlike 1st generation array microphones which have a fixed "listen" direction, the Voice Tracker™ Array Microphone automatically locates and electronically steers toward the talker.

FREEDOM OF MOVEMENT

For speech recognition applications, it is no longer necessary to sit rigidly in front of the microphone. The user is free to lean backwards, sideways, or even move around.

For teleconferencing applications, several talkers can take part since the Voice Tracker™ rapidly steers to the individual participants.

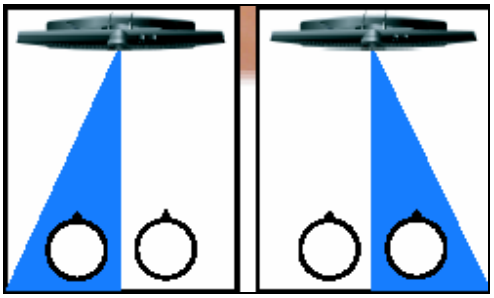
HEADSET-LIKE PERFORMANCE

The Voice Tracker™ improves signal-to-noise ratios in two ways. First, its digital signal processor creates a listening beam (like a searchlight) that focuses on the talker and spatially filters noise from other directions.

Second, its proprietary noise reduction algorithms filter out background noise and reverberations that are present in the acoustic environment.

WORKS AT LONG RANGE

The Voice Tracker™ contains the largest number of array elements available today, which, when combined with its two stage noise reduction algorithms, give it the longest effective range of any array microphone.



EASY TO USE

The patented steering technology employs digital electronics and proprietary embedded algorithms. There are no moving parts, so the Voice Tracker™ is rugged, reliable, and easy to use. Simply plug it into your computer's sound card and a wall outlet. No software needs to be loaded, and there is no drain on your computer's processing capacity.

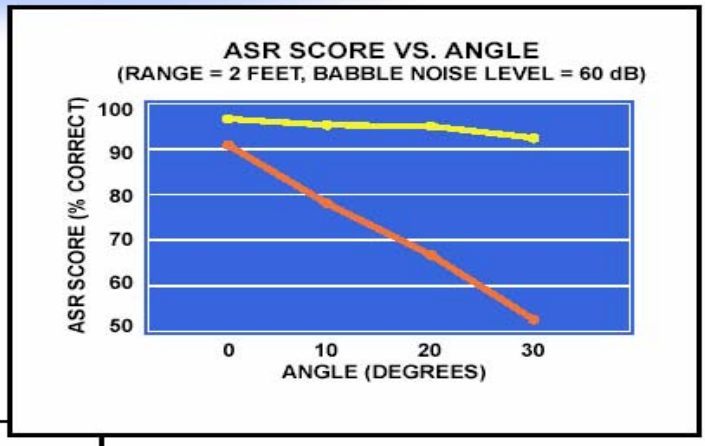
SUPPRESSES INTERFERING SOUNDS

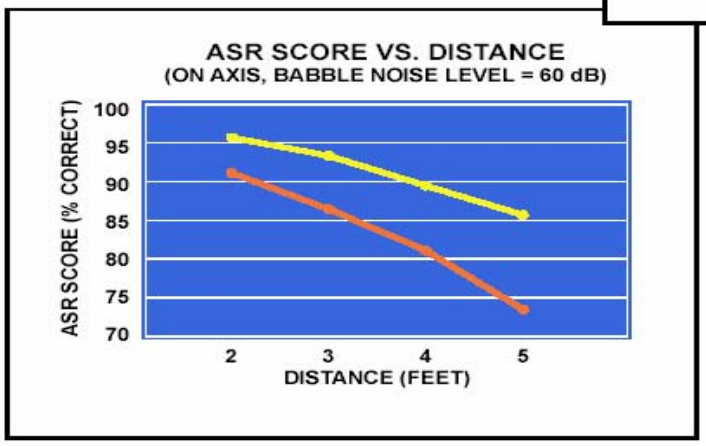
The Voice Tracker™ is also the only microphone to employ Location Dependent Squelch (LDS, Patent Pending) which de-sensitises the microphone to sounds coming from pre-selected directions. Consequently, the array can reduce unwanted sounds coming from directions outside its field of view.

VOICE TRACKER™ ARRAY MICROPHONE

FEATURES

- AUTOMATIC ELECTRONIC STEERING OF "LISTENING BEAM" TO TALKER LOCATION
- SELECTABLE STEERING LIMITS (60 DEGREES AND 180 DEGREES) FOR SPEECH RECOGNITION AND TELECONFERENCING MODES
- SELECTABLE LDS™ TO REDUCE ANNOYING INTERFERENCE OF ADDITIONAL TALKERS DURING SPEECH RECOGNITION OR FEEDBACK DURING TELECONFERENCING
- TWO STAGE NOISE REDUCTION (SPATIAL FILTERING AND NOISE REDUCTION PROCESSING)
- 8 ELEMENT, 18 INCH LONG ARRAY FOR MAXIMUM RANGE
- 5 ELEMENT "IN RANGE" LIGHT TO INDICATE LOCATION OF CHOSEN TALKER AND SUFFICIENCY OF SIGNAL
- MICROPHONE TILT CAPABILITY TO FACILITATE DESKTOP OR MONITOR TOP MOUNTING
- WEIGHT: 2 POUNDS





VOICE TRACKER™
1st GENERATION MICROPHONE ARRAY

PLOT NOTES:

- ASR SCORE = AUTOMATIC SPEECH RECOGNITION SCORE BASED ON 1500 WORD TEST SET USING DRAGON ENGINE
- BABBLE NOISE = OFFICE NOISE PLAYED AT 90 DEGREES OFF AXIS WITH LEVEL MEASURED AT MICROPHONE ARRAY CENTER
- "PERCENT CORRECT" COMPARED TO AN IDEAL MICROPHONE. ACTUAL PERFORMANCE WILL DEPEND ON ROOM CHARACTERISTICS AND TALKER TECHNIQUE.

VOLEXIA