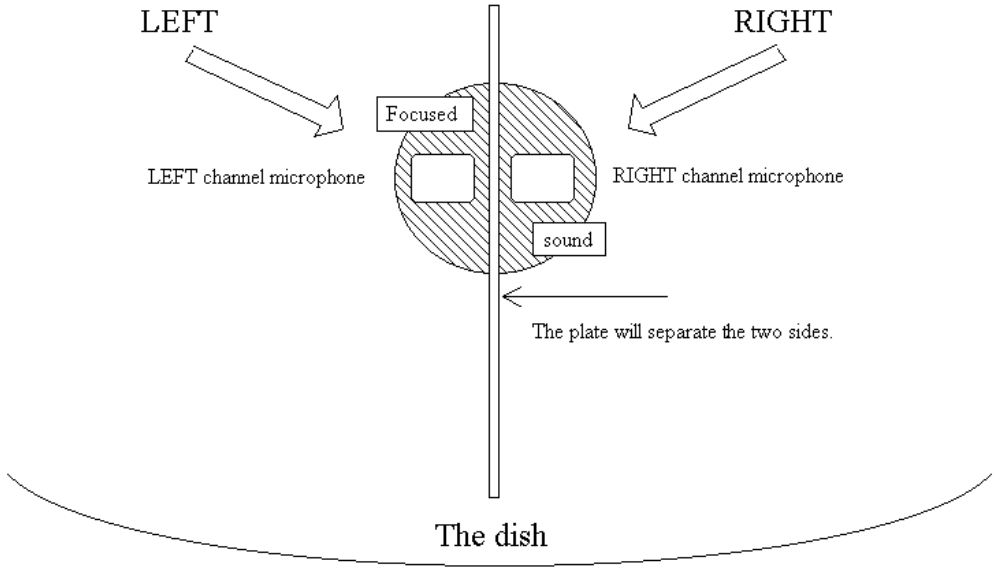
Parabolas and stereo sound? There are two questions to be asked: 1/ Is stereo obtainable at all with a parabola, and - if so - 2/ does the Telinga performs such a result?

The first question is easy to answer: In a theoretical paper published by Journal of Audio Engineering Society, - "The Parabolic Reflector as an Acoustical Amplifier" Vol. 33, No 6, 1985 - the author Sten Wahlström concludes: " It is even possible to adopt a reflector for stereophonic recordings by a simple method .... (fig) ... The shield separates the front into two sides and will thus create a stereo background when the sound is picked up by the two separate microphones. The sound source in the center of the sound picture will be equally amplified by the reflector to the microphones....."

But - to the second question: Does the Telinga perform such stereo, as described by Wahlström? Yes - the design connects directly to the principal he describes.



The plate separates the two sides from each other, while the focused sound will affect the two microphones equally.

The sound in focus will be recorded mono, while the background/ambience will be recorded stereo.

The stereo separation depends on the size and characteristics of the separating shield and the distance between the shield and the microphones. For practical reasons, and wind noise reasons, we want to keep the shield as small as possible. Because the microphone elements are very close to the shield - only 1 mm - the shield is still big enough to create a stereophonic "space" of the background sound picture, which disappears completely if the channels are shorted, or if one uses one channel only.

The Stereo DATmic: