



# WAVELAUNCH ARRAY

## How Legacy Achieves Constant Directivity Full Bandwidth

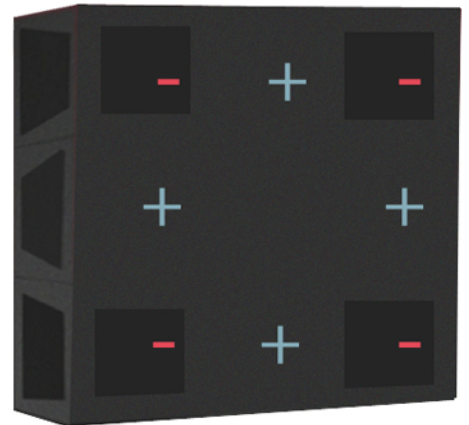
The central cluster assures a controlled and uniform radiation pattern. As the frequency drops the energy is progressively shared out to the perimeter drivers. This accounts for highly uniform directivity.

But unlike other designs, the directivity remains uniform even at low frequencies due to the proprietary steering method and dependence on constructive and destructive interference.



**Front**

*The four corner positioned drivers are open air dipoles.*



**Rear**

At the rear, the dipoles destructively combine at low frequencies with the omnidirection bass elements to nearly cancel rear radiation.

Side radiation is tapered progressively as it approaches the rear.

*Nicknamed the "Tic Tac Toe" array, this technology has been implemented in a number of Legacy designs.*

*The proprietary Wavelaunch Array was developed by Legacy designer, Bill Dudleston.*

