Subject: Re: Power Tapering
Posted by Jim Griffin on Tue, 29 Mar 2005 13:04:57 GMT
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Paul,My white paper shows an example of power tapering so you can get a visual from that case. One way to power taper in a 3/2/2/3 configuration is to first series connect the top 3 woofers in your array. That is, from the upper most driver, connect the minus terminal of this top driver to the plus terminal of the next driver down and then repeat for the third driver. Thus you will yield a series string of three drivers with the plus terminal of the top driver and minus terminal of the bottom driver in the string not yet connected. Now repeat the same sort of wiring for the next sets of two, two, and three drivers with the drivers in each set similarly connected. Note that the uppermost plus terminal and lower most minus terminal in each set are as of yet unconnected. For the parallel connections: Now you have 4 sets of drivers--a series connection of three, a series of two, another series of two, and a final series three from top to bottom of the array. Now connect the unconnected (so far) plus terminals together and feed it to the plus side of the crossover. Connect the minus terminals of the so far unconnected terminals together and connect that to the minus side of the crossover. That places the four sets of drivers in parallel. If you have an ohmmeter you can verify the connections along the way as you make the various series and parallel connections. Be sure to observe and check the polarities as you go along. Jim
Near Field Line Array White Paper