Subject: Damping and crossover filter Q
Posted by Wayne Parham on Thu, 22 May 2003 21:15:01 GMT
View Forum Message <> Reply to Message

You should never operate a tweeter horn below it's cutoff because the compression driver will be unloaded. This will allow the diaphragm to move back and forth much further than it was intended at even low power levels and can damage the driver. Output will also be reduced below cutoff, so it will probably sound bad for that reason too.Beyond the basic crossover function, the tweeter

for two octaves.2. It begins to remove attenuation two octaves above the crossover point to add HF augmentation.3. It provides specific damping in the crossover region so that the response curve is neither peaked (underdamped) or too rolled-off (overdamped).