Subject: reccomended amplification power
Posted by bottleneck on Fri, 13 Apr 2007 13:46:06 GMT
View Forum Message <> Reply to Message

Hi WayneWondered if you would say how many watts you need to drive the proffessional 7's properly with JBL's... what kind of amplification have you found works best with them?I'm also curious if you've tried bi-amping them or even tri-amping them, and if you have what you thought of the results.ThanksChris Smith

Subject: Re: recommended amplification power
Posted by Wayne Parham on Fri, 13 Apr 2007 15:48:55 GMT
View Forum Message <> Reply to Message

You can drive them with flea-power, 1 watt is just fine. I personally prefer more power, 10 watts minimum, for dynamic range, to handle the transients. Multi-amps are always good, just make sure you have CD EQ for the tweeter. In this case, I suggest a low-order woofer-to-mid crossover filter, just like the passive crossover. That's unusual for active setups, but it works very well in the

midbass and lower midrange room modes. Use a third-order tweeter crossover because that sums best with the midrange. Depending on the midrange driver (see the chart in the plans), you may still want a coil in series with the midrange driver (after the amp) but otherwise, there is no electrical low-pass filter on the midrange because the horn itself sets the low-pass slope. To summarize, what you want to do is mimic the passive crossover with active filters, gaining the benefits of multiamping but retaining the slope and contour of the existing crossover, which has

physical relationships between each driver.