

What's with calling the Ybdz 2.0 amp the 'Wiener'? As in winner? It does have one of the best layouts IMO. I will upgrade the stock PS caps to 1500 uF Panasonic FC's soon to see if it helps. I think one of the biggest overlooked upgrades is to change the 1uF input caps to 5.6uF - there is no harm and only upside is improved bass extension down to 20 Hz correct?

there is a 20k and 100k resistor next to each other (somewhere between the 3-pin input and the pot).
the datasheet says:

20k & 100k -> 26db, 30k impedance
39k & 100k -> 32db, 15k
47k & 75k -> 36db, 9k

Next, I populated the board with the following:

- 1,500 uF / 25V Panasonic FM electrolytic caps for DC decoupling
- 1.0uF / 250V Wima MKP10 metallized Polypropylene caps for input coupling caps
- 10uH Bourns toroid inductors (recommended by KJA 2013 and wushuliu--thanks guys)

Here are the part nos. for the main components I replaced:

Panasonic FM electrolytic caps.....Mouser 667-EEU-FM1E152
.....Digikey P12380-ND

Bourns 10uH inductors.....Mouser 652-2100HT-100-V-RC
.....Digikey 2100HT-100-V-RC-ND

Wima MKP10 film caps.....Mouser 505-M101.0/250/5

Panasonic EVJ 50k pot.....Digikey P2G1503-ND

for flat bass down to 20Hz, you are supposed to set cut off filter at @2Hz.

to attain those settings, datasheet recommends following input cap values for the 4 selectable gain settings:

gain cap cutoff

20db - 1.5 μ F - 1.8

26db - 3.3 μ F - 1.6

32db - 5.6 μ F - 2.3

36db - 10 μ F - 1.8

It also mentions that if a 3db cut at 20Hz is acceptable you can use slightly lower cap values (specifically says 1 μ F at 20db gain setting.)

page 15 here: <http://www.ti.com/lit/ds/symlink/tpa3116d2.pdf>

I have the Dannz blue YJ board set at 26db gain. it has a WIMA MKP10 cap 1 μ F for inputs as per Rhing's list of mods and BOM.

No, you should replace all 4 caps for ones with the same value. Too bad the small ones are 5 mm pitch. If you want to stick to film caps and you want 10 μ F then Wima MKS2-XL in 10 μ F 16V are a possibility. You could use MKS2 10 μ F in 22,5 mm pitch for the large ones. I have started a new project with the blue board and used 2.2 μ F Wima MKS2 caps on both positions.