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DX HRII - High Resolution II Amp Amplifier specifications

PCB & schematics + DIY info

DX Precision I - 500W Amp Amplifier specifications

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Universal Amplifier PSU PCBs PCB & schematics + DIY info

DX AMPLIFIER HRII VERSION

DX HRII pedigree
Read more about Carlos,
the designer, the DX amp

The original DX

The DX Amplifier is based on the old bootstrapped amplifier designs from the eighties. This was based on their good sonics, low cost and ease of construction. Carlos Mergulhão, AKA Destroyer X, a Brazilian member of www.DIYAUDIO.com forum, has been constructing amplifiers since the '60s, when he was only 9 years old. He has constructed more than 4,000 amplifiers from circuits published in magazines. A large number of them exploded, some worked fine, but only about 8 amplifiers sounded really good.



Graham Maynard, Greg Erskine, Klaas Veenstra, Daniel Muștră and suggestions from other diyaudio forum friends.

After years of research, Carlos decided to make his own. His choice was to use bootstrap technology, a topology he knew sounded very nice. The amplifier was based on simple circuitry with a small number of easy to find parts. The parts used are cheap generic parts, not the hard to find, expensive audiophile components. Thus, the DX amplifier was born, then developed a little with cooperation from guys like

- Click here to visit Greg Erskine's original DX Website
- Destroyer x Amplifier...Dx amp...my amplifier

The DX HRII DIY SS amplifier

The DX High Resolution amplifier is a further refinement of the DX amp. It includes a CCS and the Blameless VAS published by Dr Self. In my opinion, as good as the DX is, the HRII is in an entirely different league, receiving positive reviews from owners of big pricetag equipment.

The DX HRII is similar to the original or classic DX amplifier, in that it runs of a 35V supply and uses a single output pair of 25C5200 / 25A1943. That is where the similarities ends

The HRII contains regulation for the primary stages by using a zener referenced capacitance multiplier. This holds power in the front half of the amp at a lower voltage than the output section which may fluctuate under power peaks... This way the demanded output stays within the voltage