

KT120 – Stereo 1

SE Tube Amplifier

Date : 27.01.2015

Engineering development : Dipl. Ing. J. Leven

KT120 Eintakt (Single Ended) Verstärker , 24 Watt

KT120 SE, Single Ended Verstärker

Dieses Schaltung ist ausgelegt für eine KT120 Röhre, die Treiber stufe besteht aus einer Doppeltriode, 6n6P.

Der Arbeitspunkt der KT120 Tung Sol Röhre kann einfach und genau mit der NGV eingestellt werden. Die Röhre arbeitet im reinem Klasse A Ultralinear Modus .

Klang: souveräne, musikalische Darbietung, auch an Boxen mit welligen Impedanzgang und mittlerer Empfindlichkeit

Abhörkette :

Vorverstärker Mark Levinson 380S,

CD Laufwerk Azur 851 C, DA Wandler DAC-UP-PCM1794 MK-II

Lautsprecherkonstruktion : 3 Wege, 55 l Bassreflex mit internen Helmholtz-Absorber, separates entkoppeltes Mittel/Hochton Gehäuse, schwimmend gelagerte Schallwand .

Chassis : Scan Speak 22W/8851T00, Scan Speak 15W/8531K00, Harwood AM25,

Empfindlichkeit bei 2,82V/1 m : 86dB, Impedanz 6-8 Ohm.

KT120 SE ,single ended amplifier

This circuit is designed for a KT120 tube, the driver stage consists of a strong double triode, 6n6P.

The operating point of the KT120 Tung Sol tube can be easily and accurately adjusted with the NGV .The tube operates in pure class A ultra linear mode, with the screen grid connected tap of Lundahl LL1623 output transformer.

Sound : detailed, tight , lehntes to trioden sound , excellent resolution and dynamic performance, runs easily on boxes from around 85dB or higer .

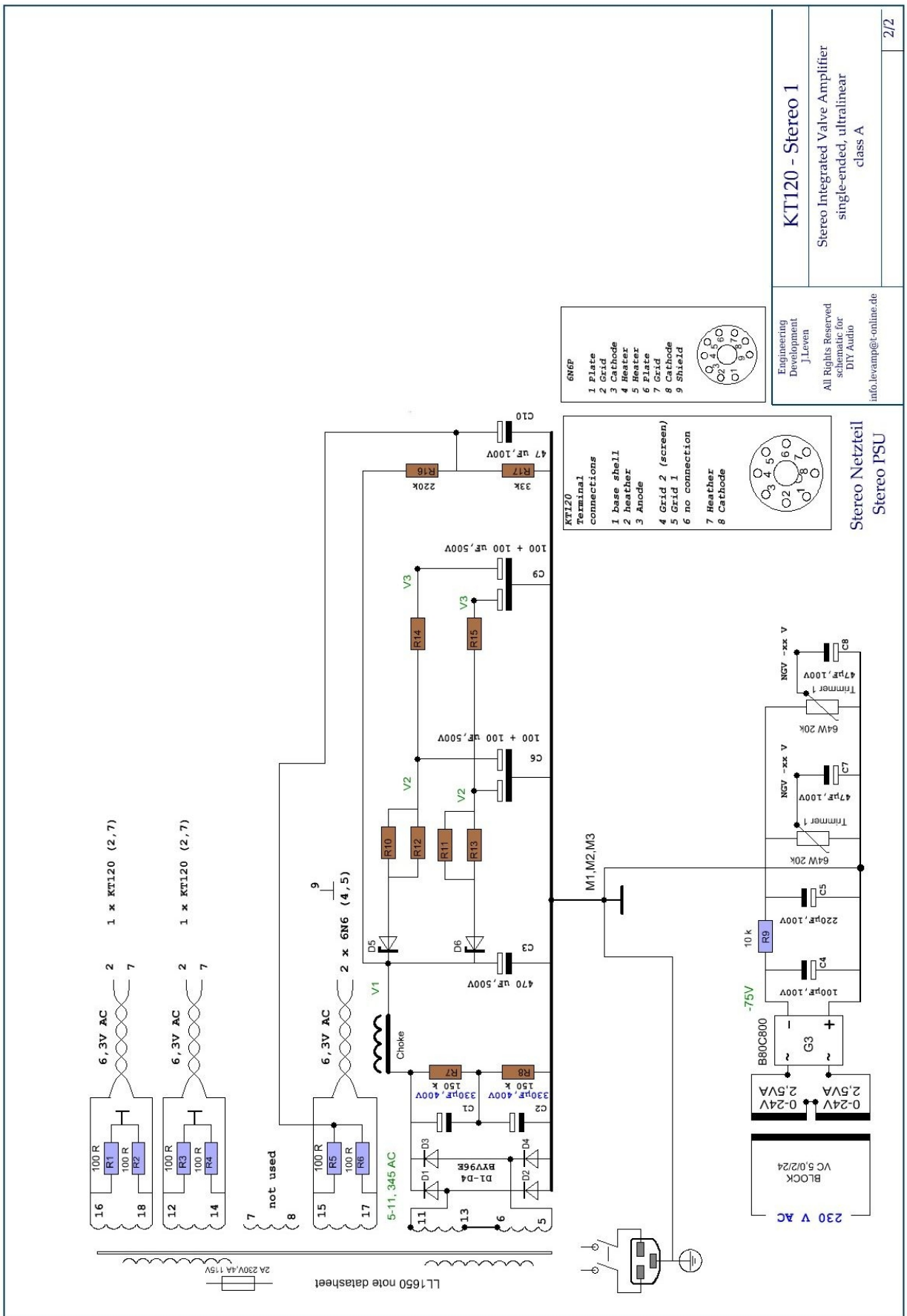
It is possible to wire the output transformer for 4 Ohms or 8 Ohms speakers.

This design was made by Dipl .Ing. J. Leven from Germany, the KT120 Agile power amplifier has been tested on various speakers and provides enough power for speakers from 85dB or better.

This text was placed here with kind permssion of Mr. Leven.

<http://www.jacmusic.com/>

<http://4tubes.com/SCHEMATICS/LUNDAHL-TRANSFORMERS/!LEVEN-Germany/>



7 not used
8

LL1650 note datasheet

6NG6

- 1 Plate
- 2 Grid
- 3 Cathode
- 4 Heater
- 5 Anode
- 6 Plate
- 7 Grid
- 8 Cathode
- 9 Shield

KT120

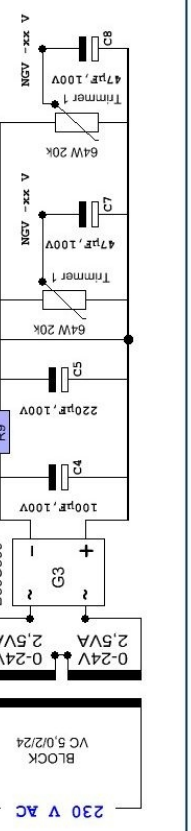
Terminal connections

- 1 base shell
- 2 heater
- 3 Anode
- 4 Grid 2 (screen)
- 5 Grid 1
- 6 no connection
- 7 Heater
- 8 Cathode

Engineering Development
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Stereo Netzteil
Stereo PSU



KT120 - Stereo 1

Stereo Integrated Valve Amplifier
single-ended, ultralinear
class A