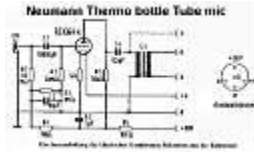


# Gyraf Audio's Obscure Schematics



Here's some schematics and information that can be hard to find elsewhere. If you have some schematics that you think belongs among these, please do not hesitate to contact me.. I hope to be able to extend this little collection with time, so check back for updates.

NOTE: Some of the larger .gif-files dosen't show correctly in some browsers. If you have that problem, instead "right-click" on the link and select "save target as.." to save to your harddisk - and view it from there.

## Mic Preamps

[Neumann PV76 Mic Preamp](#)

[Neumann V476 Mic Preamp](#)

[Disa 91b21 Microphone preamp \(!!\)](#)

[Tube-Tec MP1A Preamp](#)

[NTP 179-270 Mic pre and Compressor](#)

[Amek M-2500 Mic pre stage](#)

[Calrec UA8000 mic/line input stage](#)

[Calrec 1061 input channel w/ EQ.](#)

## Equalizers

[Neumann PEV Equalizer](#)

[Ear 825 "Passive" tube eq](#)

[Sontec 430C EQ](#)

[Sontec MEP250a](#)

[Pultec PE1A Equalizer](#)

[Pultec HLF3 Passive High/Low-cut Filter](#)

[Pultec MEQ5 EQ Section](#)

[Amek M-2500 EQ-stage](#)

[Langevin EQ251A Passive - Thanks to mr. Rick Chinn](#)

[Klein & Hummel UE-400 EQ](#)

### **Klein & Hummel UE-100 Tube EQ**

[KH UE100 equalizer.pdf](#) - Thanks to Zebra50!

### **Klein & Hummel UE-1000 Discrete EQ**

[KH UE-1000.pdf](#)

### **Compressors**

[Siemens U273 Diode-based Limiter](#)

[CBS Audimax 440.gif](#)

[DISA 91N02 Limiter - inspiration source for Manley's Vari-Mu](#)

[CCA LA-1D limiter/AGC w/ 6386 tube](#)

[Drawmer 1960 \(original version\) \(Removed by request from the manufacturer\)](#)

[NTP 179-140 Manual.pdf \(1.8Mb\)](#)

[NTP 179-160 Compressor.PDF \(1MB\)](#)

[NTP 179-300 Limiter card.pdf \(700Kb\)](#)

[Drawmer DS-201 Gate \(temporarily removed\)](#)

[Drawmer DS-202 Gate \(temporarily removed\)](#)

## **Microphones**

[AKG SolidTube schematic \(Electrect!\)](#)

[AKG C414 \(The old version\)](#)

[AKG C414B-TL](#)

[AKG C414B-ULS](#)

[AKG C422 - Dual 414](#)

[AKG C451E](#)

[AKG C451EB](#)

[AKG C535EB \(Elirect!\)](#)

[Neumann Handheld Microphone](#)

[Neumann KM74i](#)

[Neumann KM73 - KM74 - KM75](#)

[Neumann KM83-84-85](#)

[Neumann KM86](#)

[Neumann KM88i](#)

[Neumann U89](#)

[Gefell MT71S](#)

[Radiometer Microphone \(Danish\)](#)

[Sennheiser MKH-105](#)

[Sennheiser MKE-401](#)

[Sennheiser MKH-405](#)

[Sennheiser MKH-435](#)

[The "Thermo bottle"](#)

[Schoeps N-221-B w/AC701](#)

[Senheisser MD421 mechanical drawing](#)

[Sony C37P.pdf](#)

[Sony C38A C37FET.pdf](#)

[Sony C38B.pdf](#)

[Sony DC-DC Converter.pdf](#)

## **A Japanese article about the Sony C800 Microphone**

[Sony C800G Schematic - with component values..](#)

[Sony C800 Page 01](#)

[Sony C800 Page 02](#)

[Sony C800 Page 03](#)

[Sony C800 Page 04](#)

[Sony C800 Page 05](#)

[Sony C800 Page 06](#)

[Sony C800 Page 07](#)

## **Mixers**

SSL 4000E Mixer:

[SSL 4000E Input amplifiers - early version, 1979](#)

[SSL 4000E Input amplifiers - recent version](#)

[SSL 4000E Quad VCA, inserts, Compressor time constants](#)

[SSL 4000E Bus compressor time constants, quad fader, autofade](#)

[SSL 4000E talkback compressor](#)

Neotek Elite Mixer:

[Input channel "A" board](#)

[Input channel "B" board](#)

[Mixbus amplifiers](#)

[Aux mixbusses](#)

[Controlroom, Studio and Solo](#)

[Balanced outputs](#)

[Power supply](#)

[Mackie CR1604 VLZ](#)

[Allen&Heat \(1980'es\)](#)

### **Other devices of interest**

[Neumann PV15 Isolation Amplifier](#)

[Neumann PV46 Line Amplifier](#)

[Neumann W444 active fader module](#)

[Neumann 472 Isolation amplifier](#)

[Neumann 482 Distribution amplifier](#)

[Neumann V475 Mixbus amplifiers](#)

[Neumann WE66 RIAA playback equalizer](#)

[Bridged attenuators layout](#)

[NTP paper describing NTP 179-120, 179-160, 179-230, 179-400, 182-100, 182-200, and old Pricelist](#)

### **VCA's and discrete opamps**

[Aphex 1537A VCA.pdf](#)

[Aphex VCA 505 card.pdf](#)

[VCA's Ben Duncan.pdf \(an article\)](#)

[DBX 2150 Application notes](#)

[Dbx 202 VCA - schematic and data](#)

[NTP M-100 Discrete opamp, 1978](#)

[More versions of NTP M100 Schematics.pdf](#)

[NTP M-100 datasheet page 1](#)

[NTP M-100 datasheet page 2](#)

### **RadioDesigners Handbook - RDH**

[RadioDesigners Handbook - Ch.5 - Transformers](#)

[RadioDesigners Handbook - Ch.1 and 2 - Introduction to the radio valve](#)

### **Other stuff**

[Voltage multipliers with CMOS gates.pdf](#)

[Aphex Exiter II.PDF](#)

[RTW1227E PPM schematics](#)

[Behringer ADA-8000 8-ch AD/DA converter analogue sections](#)

[Westlake BBSM-10](#)

[Revox G36 tubed tape recorder Schematic](#)

[Beyer Dynamics catalogue page - audio transformers, 1969](#)