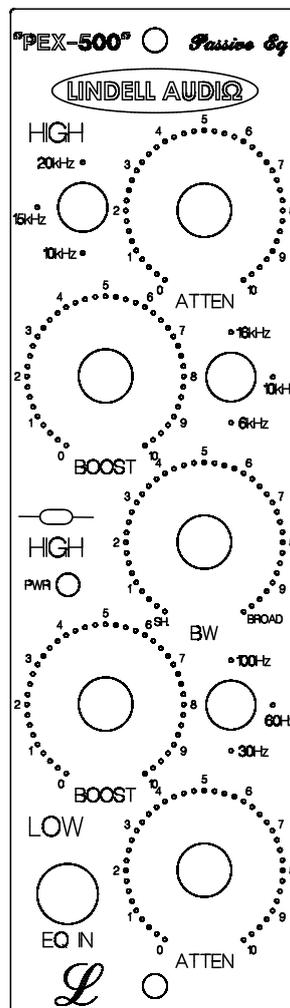




LINDELL AUDIOΩ

PEX-500

USER MANUAL



CE

RoHS

www.lindellaudio.se
info@lindellaudio.se

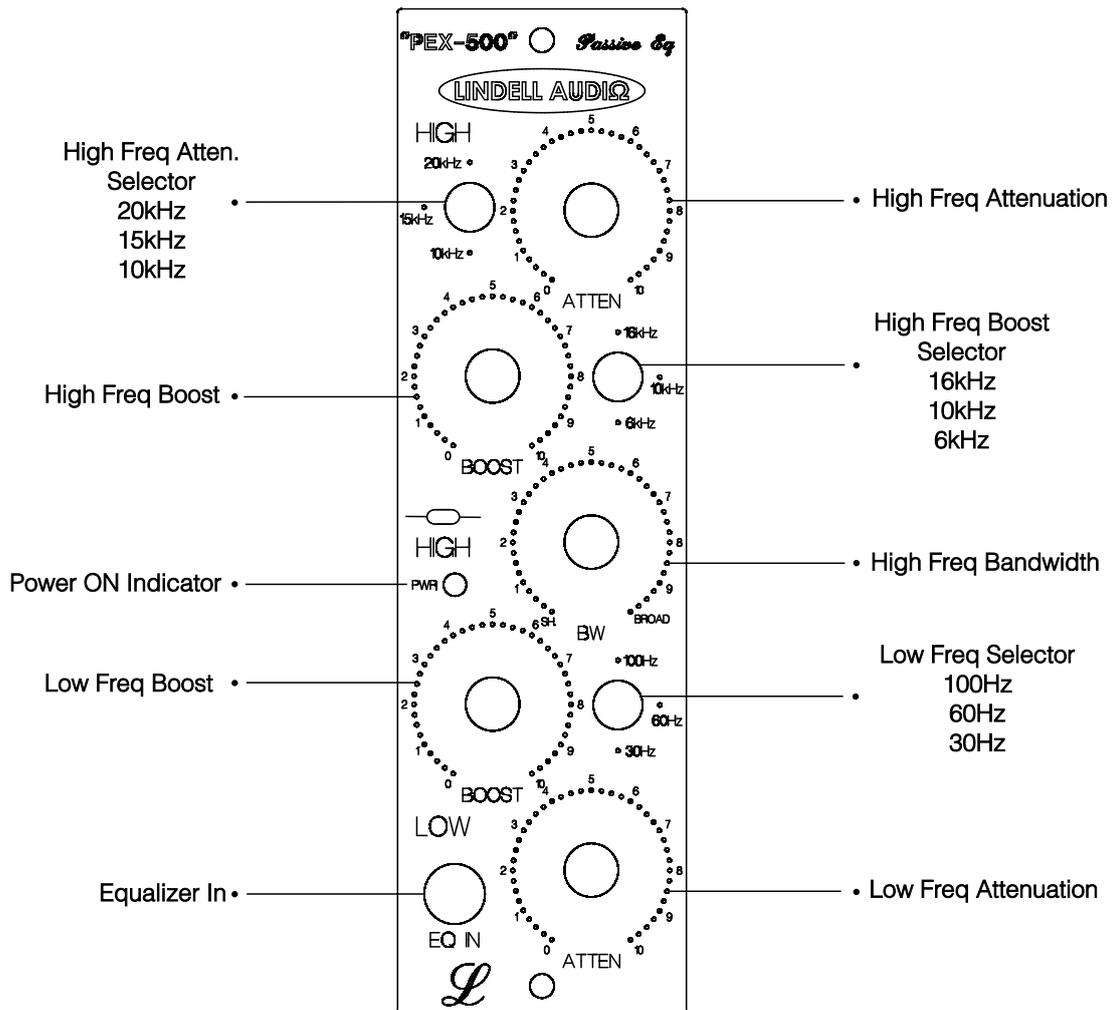


Thank YOU for purchasing the Lindell Audio PEX-500 Equalizer!

The PEX Five Hundred is a one channel transformer coupled Passive Pultec Equalizer.
It's an all discrete design based upon the great 990 amplifier.

The Equalizer is our take on the magical classic Pultec design.
It's got 15db boost of the creamiest high end you've ever heard and
the most punchy low end heard in the 21th Century.

The PEX-500 fits in all 500 series compatible power supplies.





How to Install the module into a power chassi:

- 1) Power OFF the power chassi
- 2) Unpack the module and make sure nothing surrounds the card edge connector
- 3) Carefully slide the module into an empty slot in your power chassi
- 4) Make sure the module connectors sits well into the mating Edac chassi connector
- 5) Power ON the power chassi
- 6) Rock'n'Roll

FEATURES AND SPECIFICATIONS

- * Transformer Balanced Input & Output
- * Passive Pultec Style Equalizer using inductor and 990 discrete amplifier
- * 3 Step Switched Eq Low Freq Boost 30Hz, 60Hz, 100Hz +/-10%
- * 3 Step Switched Eq High Freq Bosst 6kHz, 10kHz, 16kHz +/-10%
- * 3 Step Switched Eq High Freq Atten. 20kHz, 40kHz, 10kHz
- * Selectable High Boost Bandwidth on pcb
- * Pin Compatible with 990&2520 type connectors
- * Compatible with all 500 series power chassis
- * Runs on +/- 16V
- * Power Consumption 40mA
- * Input Impedance 10 kOhm
- * Output Impedance 10 Ohm
- * Max. Output 33.5dBu
- * Freq. Resp. 10Hz-40kHz
- * Noise Floor -95dBu
- * THD 0.03% typical
- * Size Module 1.5" X 5.25" X 7"
- * Size Packing box 3.4" X 6" X 9.1"
- * Weight Module 1.65 lbs.
- * Weight Packed 2 lbs.

Specifications are subject to change without notice.



www.lindellaudio.se
info@lindellaudio.se





CREDITS

- * Concept & Design: Tobias Lindell
- * PCB, Circuit & Electrical Design: Igor Sobczyk
- * Transformer Design: Chris Smith
- * Inductor Design: Adam Misków
- * Production Manager: Dariusz Meiser
- * Country of Manufacturing: Poland, Europe

WARRANTY

- * Lindell Audio warrants all of our products to be free from defective parts and workmanship for a period of one year.
- * The warranty period begins at the original purchase date and is transferable within the period of warranty.
- * This warranty excludes the following conditions: misuse, modifications (eg: changing of transformers, opamps, etc) or unauthorized repair, brute force usage and damage incurred during shipment.
- * During the time of the warranty, Lindell Audio will repair or replace any defective parts, via our distributors free of charge.
- * Customers are responsible for all inbound freight charges to the service facility, while Lindell Audio will pay for return freight.

COMPANY INFORMATION

I started "Lindell Audio" back in 2010 and set out to design recording studio equipment to satisfy my own way of working. Developing functions and user interface that didn't exist on the market. I'm resident producer at Bohus Sound Studios. <http://bohussound.com/> Where I produced and mixed many hit records thru out the years:
Europe – Last Look At Eden, Mustasch – Latest Version Of The Truth & Mustasch,
Hardcore Superstar – Split Your Lip, Crash Diet, Bullet, Avatar, HEAT, Von Benzo, etc.

Our goal as a gear manufacturer is simple; Produce recording equipment, designed by engineers for engineers. Our level of details and quality is just top notch...

Tobias Lindell

Showroom, Swedish Office:
Lindell Audio, Utmarksvägen 6, 442 39 Kungälv, Sweden
Phone: +46 735 358979

Mother Company:
New Sound Trading Ltd., Faulkner House, Mill Lane, Sauston,
Cambridgeshire, CB22 3HY, England
VAT: Gb136 8371 96

PEX-500 RECALL SHEET

PEX-500 Lindell Audio

Diagram of the PEX-500 EQ control panel. It features a central 'HIGH' knob, a 'PWR' knob, and a 'LOW' knob. There are two 'ATTN' knobs and two 'BOOST' knobs. Frequency-specific knobs are labeled: 20kHz, 15kHz, 10kHz, 100kHz, 60kHz, and 30kHz. A 'BROAD' knob is also present. The Lindell Audio logo is at the top.

Track

PEX-500 Lindell Audio

Diagram of the PEX-500 EQ control panel. It features a central 'HIGH' knob, a 'PWR' knob, and a 'LOW' knob. There are two 'ATTN' knobs and two 'BOOST' knobs. Frequency-specific knobs are labeled: 20kHz, 15kHz, 10kHz, 100kHz, 60kHz, and 30kHz. A 'BROAD' knob is also present. The Lindell Audio logo is at the top.

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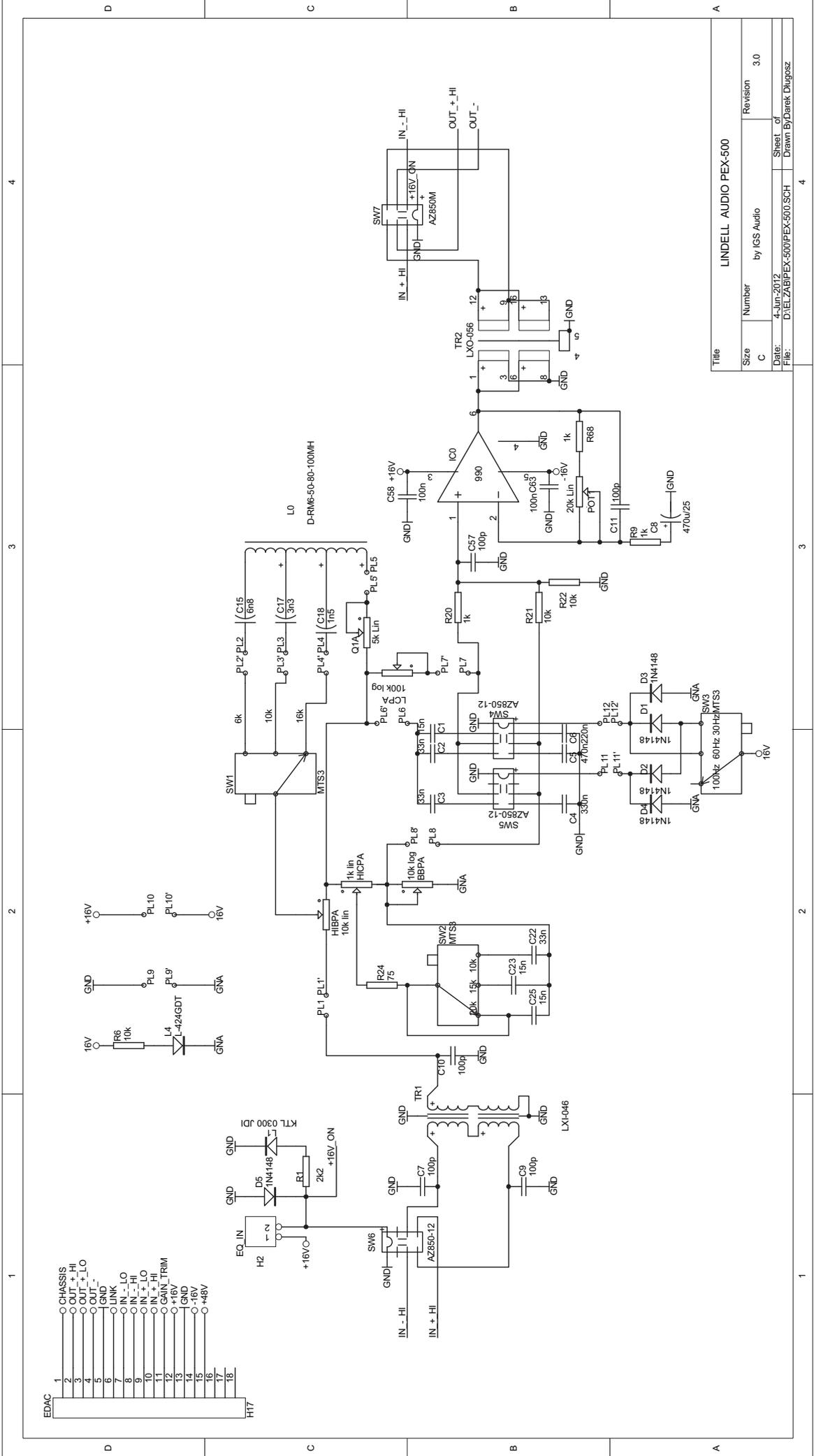
Track

Song: _____

Project: _____

Engineer: _____

Studio: _____



Title			
Size	Number	Revision	3.0
C	by IGS Audio		
Date: 4-Jun-2012			
File: DIELZABPEX-500PEX-500.SCH			
Sheet of			4
Drawn By: Jarek Dlugosz			

1 2 3 4

- 1 CHASSIS
- 2 OUT_+ HI
- 3 OUT_+ LO
- 4 OUT_- LO
- 5 GND
- 6 IN_- LO
- 7 IN_- HI
- 8 IN_+ LO
- 9 IN_+ HI
- 10 GAIN_TRIM
- 11 16V
- 12 16V
- 13 16V
- 14 16V
- 15 +48V
- 16
- 17
- 18

D C B A