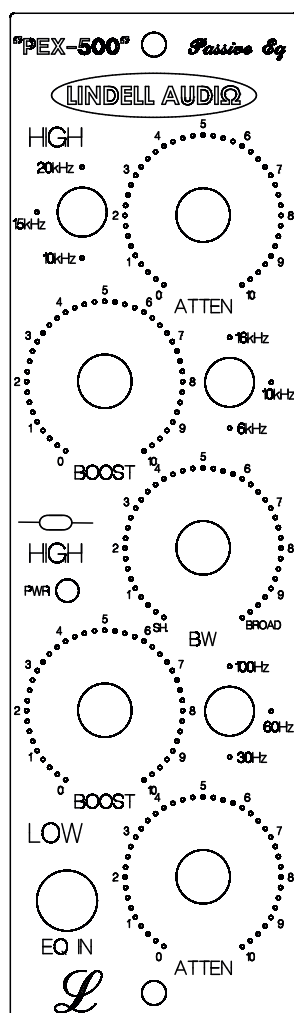




# LINDELL AUDIOΩ

**PEX-500**

## **USER MANUAL**



CE

RoHS

[www.lindellaudio.se](http://www.lindellaudio.se)  
[info@lindellaudio.se](mailto:info@lindellaudio.se)

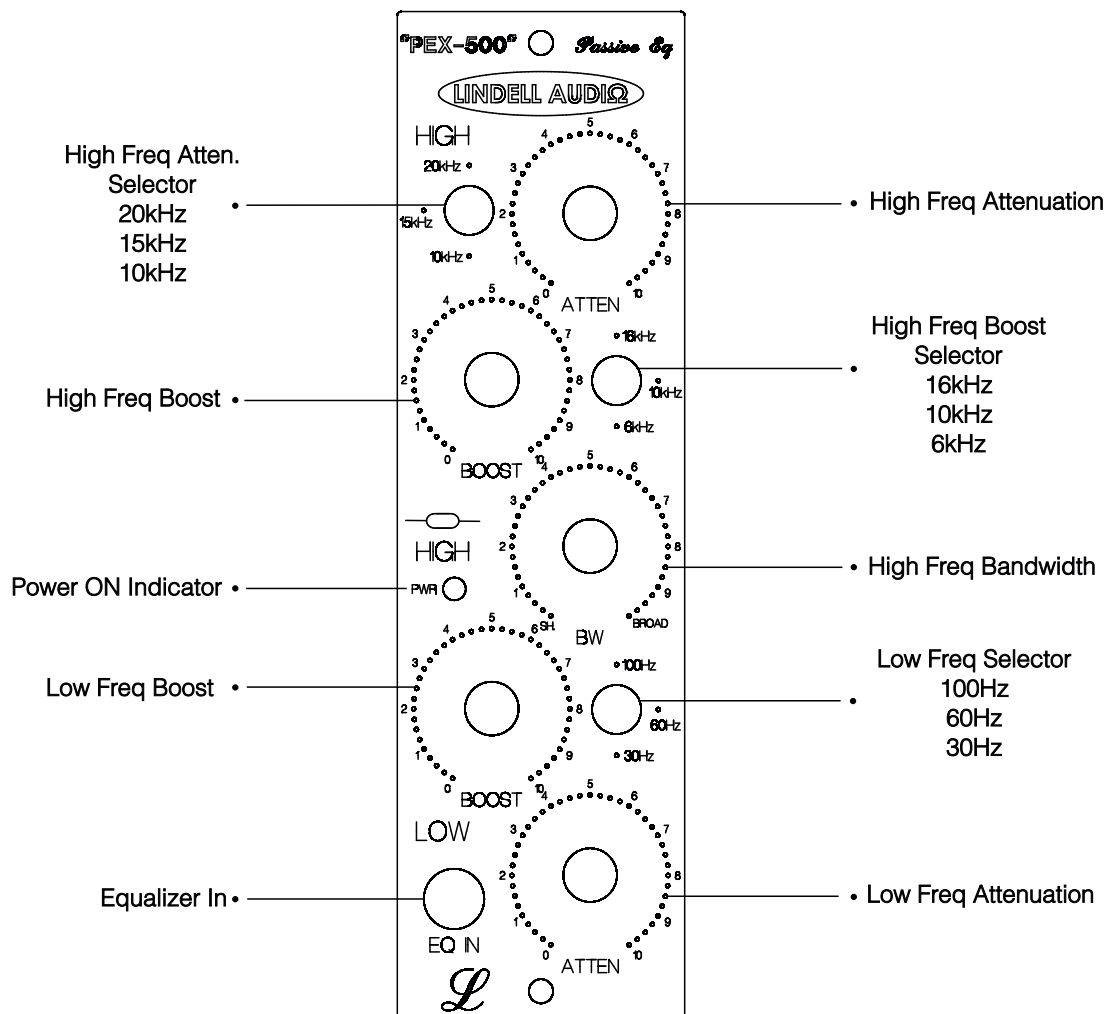


Thank YOU for purchasing the Lindell Audio PEX-500 Equalizer!

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 Boost 6kHz, 10kHz, 16kHz +/-10%
- \* 3 Step Switched Eq High Freq Atten. 20kHz, 10kHz, 6kHz
- \* 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 30.5dBm
- \* Freq. Resp. 10Hz-40kHz
- \* Noise Floor -95dBu
- \* Distortion 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.



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CE





## 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*

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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<sup>®</sup>**  *Passive Eqs*  
**LINDELL AUDIO**  


The diagram shows the Lindell Audio PEX-500S passive equalizer. It is a rectangular unit with a top-mounted volume knob and a bottom-mounted EQ IN jack. The front panel features six frequency sliders: HIGH (10kHz to 20kHz), BOOST (0 to 10), PWR (0 to 10), BOOST (0 to 10), BW (0 to 10), and LOW (0 to 10). Each slider has a circular scale with frequency markers. The unit is labeled "LINDELL AUDIO" and "PEX-500S Passive Eq".

The image displays a variety of Lindell Audio speaker components, each featuring a frequency response graph and a nameplate. The components include:

- Tweeters:** Two tweeters are shown, one labeled "HIGH" and the other "LOW". Both have frequency response graphs ranging from 200 Hz to 20 kHz. The "HIGH" tweeter has a nameplate that reads "PEX-500°" and "Passive Eq". The "LOW" tweeter has a nameplate that reads "EQ IN" and "EQ N".
- Midrange Drivers:** Two midrange drivers are shown, one labeled "MID" and the other "MID". Both have frequency response graphs ranging from 100 Hz to 10 kHz. The "MID" driver has a nameplate that reads "MID" and "MID". The "MID" driver has a nameplate that reads "MID" and "MID".
- Woofer:** A large woofer is shown with a frequency response graph ranging from 20 Hz to 20 kHz. The nameplate reads "WOO" and "WOO".
- Other Components:** There are also two smaller components, one labeled "ATTN" and the other "ATTN". Both have frequency response graphs ranging from 100 Hz to 10 kHz. The "ATTN" component has a nameplate that reads "ATTN" and "ATTN".

The Lindell Audio logo is prominently displayed in the center of the image.

TrackTrackTrackTrack

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TrackTrack

**Song:**

**Project:**

Engineer:

Studio:

