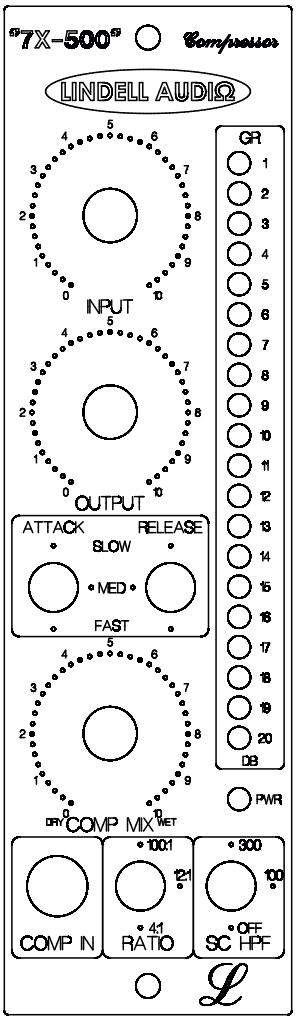
LINDELL AUDIΩ

7X-500

USER MANUAL



CE

RoHS

www.lindellaudio.com
info@lindellaudio.com

Rev.3 2023-10-02

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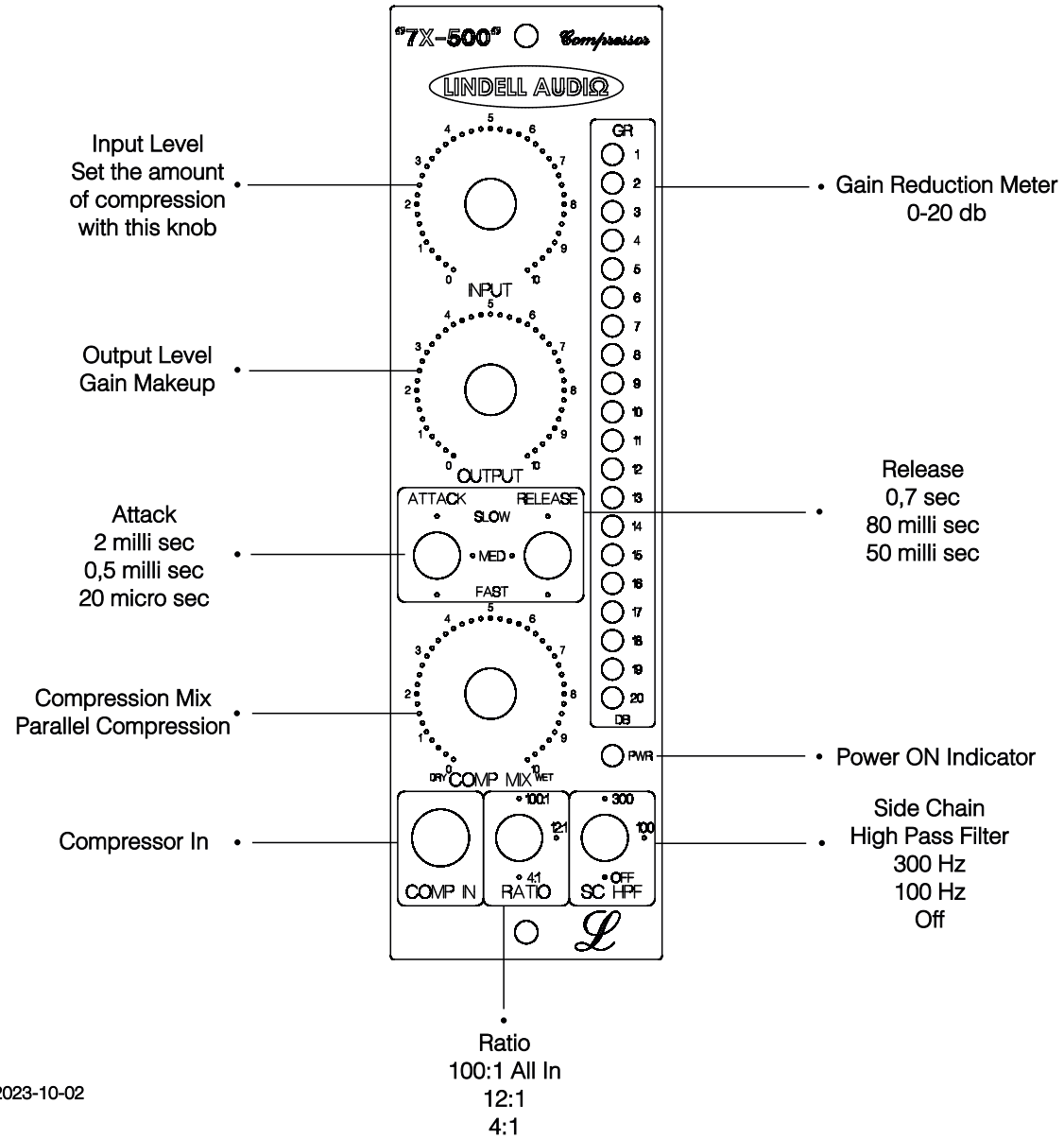
Thank YOU for purchasing the Lindell Audio 7X-500 Compressor/Limiter!

The Seven X Five Hundred is a one channel compressor/limiter. It's a FET (field effect transistor) design that incorporate some new and exclusive features such as ”High Pass Sidechain Filter”, ”Mix Knob” mix between dry and wet signal (parallel compression).

The 7X-500 is our take on the classic ”1176 Sound”. It can be smooth or it can be a rock'n'roll monster when using ratio 100:1 (all in).

The 7X-500 fits in all 500 series compatible power supplies.



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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

* FET Style Compressor
* Variable Mix Control For Precise Parallel Compression
* 3 Step Switched Attack Times
* 3 Step Switched Release Times
* 3 Step Switched High Pass Sidechain Filter. Off, 100Hz, 300Hz
* 3 Step Swithched Ratio 4:1, 12:1, 100:1 (all in)
* True Hardware Bypass
* Transformers Balanced Ouput
* 20-LED Gain Reduction Meter

Specifications are subject to change without notice.

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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.

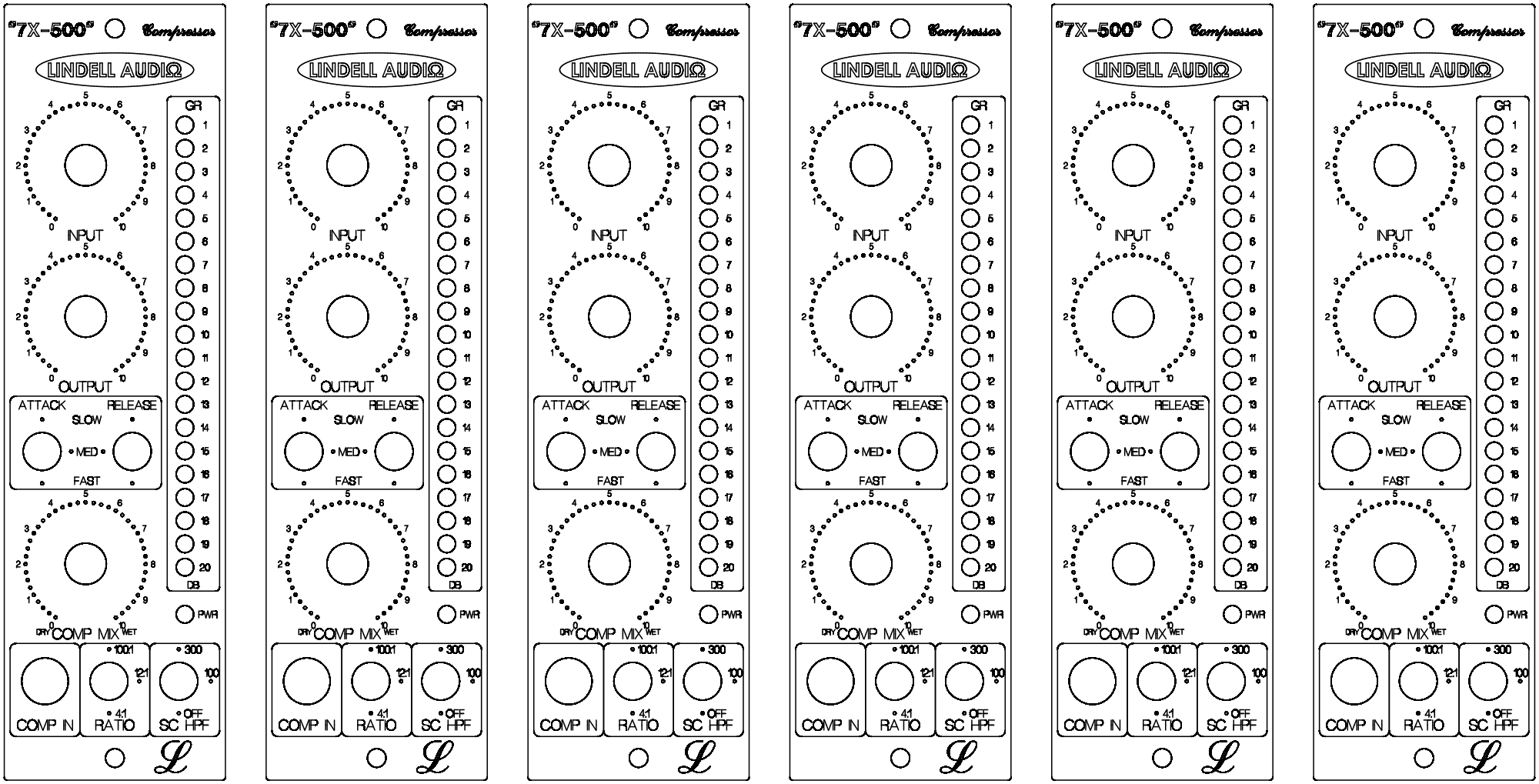
COMPANY INFORMATION

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 excist 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…

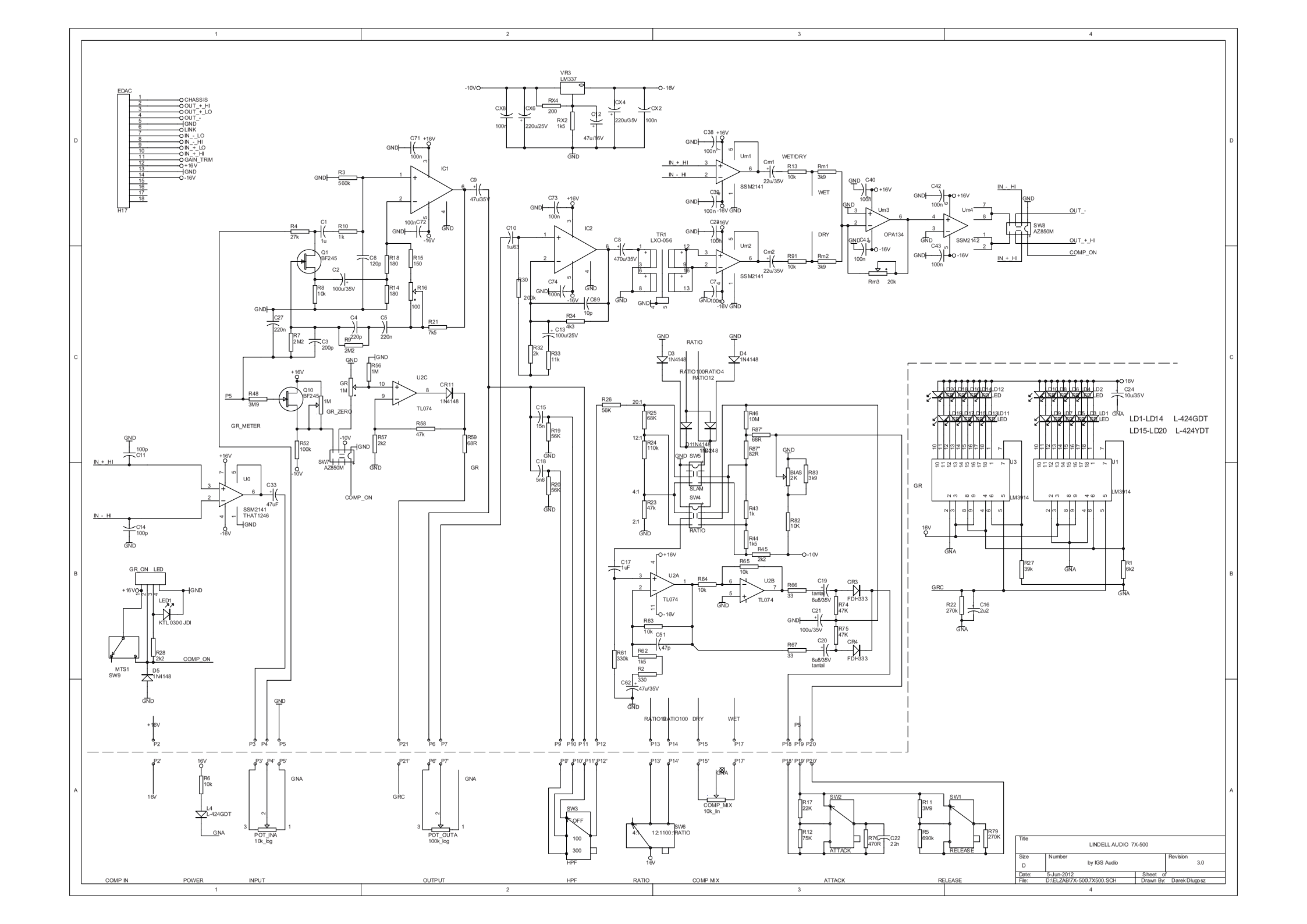
Tobias Lindell

7X-500 RECALL SHEET



Track _____ Track _____ Track _____ Track _____ Track _____ Track _____

Song:_____ Project:_____ Engineer:_____ Studio:_____


EDAC
CHASSIS
OUT_+_HI
OUT_+_LO
OUT_-
GND
LINK
IN_-_LO
IN_-_HI
IN_+_LO
IN_+_HI
GAIN_TRIM
+16V
GND
-16V
H17
VR3
LM337
-10V
-16V
RX4
200
RX2
1k5
CX8
CX6
CX4
CX2
100n
220u/25V
220u/35V
47u/16V
IC1
IC2
TL074
U2A
U2B
U2C
Um1
Um2
Um3
Um4
SSM2141
OPA134
WET/DRY
WET
DRY
TR1
LXO-056
Q1
BF245
Q10
BF245
U0
SSM2141
THAT1246
GR_METER
GR_ZERO
COMP_ON
SW7
AZ850M
SW8
AZ850M
OUT_-
OUT_+_HI
COMP_ON
IN_-_HI
IN_+_HI
RATIO
RATIO100
RATIO12
RATIO4
D3
1N4148
D4
1N4148
D11
1N4148
SLAM
SW4
SW5
BIAS
2K
GR_ON_LED
LED1
KTL-0300 JDI
MTS1
SW9
D5
1N4148
LD1-LD14 L-424GDT
LD15-LD20 L-424YDT
LM3914
U1
U3
GR
GRC
GNA
L4
L-424GDT
POT_INA
10k_log
POT_OUTA
100k_log
SW3
OFF
100
300
HPF
SW6
12:1
100:1
RATIO
COMP_MIX
10k_lin
SW2
ATTACK
SW1
RELEASE
P2
P3
P4
P5
P6
P7
P9
P10
P11
P12
P13
P14
P15
P17
P18
P19
P20
P21
COMP IN
POWER
INPUT
OUTPUT
HPF
RATIO
COMP MIX
ATTACK
RELEASE
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3.0
Date: 5-Jun-2012
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Drawn By: Darek Dlugosz