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77X-500 USER MANUAL

500 SERIES STEREO FET COMPRESSOR/LIMITER with STEPPED CONTROLS, Built-in Highpass Sidechain Filter, ATTACK and RELEASE KNOBS, Link Mode, and TRUE BYPASS



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Classic Dynamics Control, Times Two:

The 77X-500 is a STEREO version of our 7X-500 compressor/limiter. The 77X-500 is a double-wide 500 Series module, and we've added ATTACK and RELEASE knobs that give you EXACTING signal-shaping capabilities.

You can run the unit UNLINKED or LINKED; all the FET transistors are MATCHED for EXCELLENT STEREO TRACKING. 77X-500 packages the sound of one of the most popular compressor/limiters of all time INTO THE CONVENIENT 500 Series format, while giving you all the useful functionality you could ask for. There's a highpass sidechain filter, which lets you focus its response, and a mix knob that lets you blend its wet and dry signals to taste.

Lindell 77X-500 500 Series Stereo Compressor at a Glance:

- * Mix control lets you crush your sound, without losing definition
- * Continuous control over attack and release
- * Highpass sidechain filter allows you to fine-tune your dynamics
- * Mix control lets you crush your sound, without losing definition

Here's a common scenario: you're trying to get an absolutely massive kick sound, so you crush that track mercilessly, and just when you've giving it all the umph you need, you realize that the transient from the beater's completely buried in the mix. Normally, that's when you give a profound sigh, zero out your compressor, and start over from scratch. The 77X-500 compressor saves you that frustration with its mix control, allowing you to beef up your compression and the blend in the dry signal to bring back some of the original dynamics. New York has claimed the patent on this technique; "parallel compression." You'll call it wonderfully effective. So go ahead, set your 77X-500 to its 100:1 "all-in" mode and abuse your tracks. The mix function always brings you back to golden.

Continuous Control Over Attack and Release:

Its mono predecessor offers simple 3-way switches for attack and release, but that may not be ideal when you're dialing in your compression by ear. That's why most "serious" compressors offer continuous control over attack and release - and why the 77X-500 gives you nice big attack and release knobs. Whether you're taming your bass track or punching up some vocals, the 77X-500 is the right tool for the job.

Highpass sidechain filter allows you to fine-tune your Dynamics:

Whether you're going for the full French house effect, or just want to compress your drum overheads, having a built-in highpass on your sidechain is super convenient. The 77X-500's onboard highpass sidechain filter gives you three settings to choose from (off, 100Hz, and 200Hz), so it's easy to block out lows without needing to patch external processing.

77X-500 500 Series Stereo Compressor Features:

- * A powerful, affordable, and musical 500 Series stereo compressor
- * FET-based technology sounds eerily reminiscent of classic compressors from the late '60s
- * Variable mix control, for powerful parallel compression techniques
- * Attack and release knobs give you exacting sound-shaping capability
- * 3-mode (off, 100Hz, and 200Hz) highpass sidechain filter lets you focus your dynamics
- * Choose from mild 4:1, heavy 12:1, and "all-in" 100:1 compression ratios
- * Run the channels linked or unlinked
- * True-bypass hardware preserves your sound when bypassed
- * 20-LED gain-reduction metering lets you keep an eye on the mix



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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



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SPECS:

POWER REQUIREMENTS:
+/- 16V

ATTACK TIME:
20 MICROSECONDS TO 800 MICROSECONDS

RELEASE TIME:
50 milliseconds TO 1.1 seconds

Input Impedance:
25kohm

Output Load Impedance:
70ohm TRANSFORMER BALANCED

FREQUENCY RESPONSE:
+/- 1dB 20 Hz TO 20kHz

Gain:
45 dB

DISTORTION:
LESS THAN 0.5% THD FROM 60 Hz TO 16 kHz

DIMENSIONS:
133,35 MM x 76 MM

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CREDITS

- * CONCEPT & DESIGN: Tobias Lindell
- * CIRCUIT & ELECTRICAL DESIGN: Igor Sobczyk
- * TRANSFORMER DESIGN: MR. HU
- * PRODUCTION MANAGER: MR. QUI
- * COUNTRY OF MANUFACTURING: CHINA

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 (EQ: 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://bohusound.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....

Tobias Lindell

SHOWROOM, SWEDISH OFFICE:
Lindell Audio, UTMARKSVÄGEN 6, 442 39 KUNGÄLV, SWEDEN
info@lindellaudio.se

MOTHER COMPANY:
NEW SOUND TRADING LTD., FAULKNER HOUSE, MILL LANE, SAUSTON,
CAMBRIDGESHIRE, CB22 3HY, ENGLAND
VAT: Gb136 8371 96