

V3A COMP USER MANUAL

AUDIOSCAPE
ENGINEERING CO.



This manual provides general information, preparation for use, installation, and operating instructions for the Audioscape V3A.

Audioscape Engineering Co.
Florida
Made in the U.S.A.



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A WORD FROM THE AUDIOSCAPE FAMILY

Thank you for purchasing the V3A Limiting Amplifier from AUDIOSCAPE Engineering! Its inspiration is a revered FET powered optical limiter from the 1970s that has become a staple for a multitude of studio purposes, from electric guitars to vocals.

The V3A is a wonderful addition to any setup. Capable of bringing source material to life with astonishingly musical compression curves and a robust mid-range bump you've heard on countless hit records.

Let's dig into it's features!





IMPORTANT SAFETY INSTRUCTIONS

- **Water and Moisture** - Do not use the unit near any source of water or in excessively moist environments.
- **Object and Liquid Entry** - Care should be taken so that objects do not fall onto the V#A directly, and liquids are not spilled into the enclosure through it's openings.
- **Ventilation** - When installing the unit in a rack or any other location, be sure there is adequate ventilation. Improper ventilation will cause overheating and can damage the unit.
- **Heat** - The unit should be situated away from heat sources, or other equipment that produce heat.
- **Power Sources** - The V3A will work with any standard approved 500 series chassis, however, we recommend you buy a high-quality one with sufficient juice to run all your units, allowing 500 milliamps of good +-16 volt power.
- **Power Cord Protection** - Always make certain the V3A is firmly seated in the 500 chassis edge-connector before screwing it in on the front panel.
- **Non-use Periods** - The AC power supply cord of the unit should be disconnected from your 500 series chassis when left unused for an extended period of time.
- **Damage Requiring Service** - Please refer to a qualified technician.



FRONT PANEL

- (1) Bypass - The V3A features true bypass
- (2) Gain - Make-up gain after compression
- (3) Comp/Limit -
 - Compression ratio is 4:1 up to 8:1
 - Limit ratio is like ABI more, from 12:1 to 20:1
- (4) Stereo Adjust - when linking two V3A units together
- (5) Meter Select - +4 dB for output, GR for gain reduction
- (6) HF - High frequency compensation
- (7) Compression - amount of compression applied to the signal
- (8) Stereo Link - engages the linking function between two connected V3As

REAR PANEL

The V3A follows the 500 series chassis protocol. All of the usual rear panel connections are on the back of your 500 series chassis.



★ FEATURES

The V3A is a Class-A, Discrete, solid-state, Optical Limiter/Compressor that's been heralded for its extremely unique dynamics response, box-tone and beautiful effect on mid-range frequencies.

The V3A is a FEEDBACK style compressor and operates using a T4B, just like our OPTO COMP - resulting in extremely a smooth, musical compression that NEVER denegrates the source.

This thing is POWER!



GAIN

Make-up gain to compensate for gain loss via compression



COMP

The amount of compression applied to the signal.



STEREO ADJUST

When two units are linked together, controls the compression co-operation



HF CONTROL

Increases the high frequency content to make up for what is lost during compression



COMP/LIMIT

Switch between compressor and limit modes. Comp is soft-knee compression with ratio around 4:1. Limit is hard-knee compression, with a compression ratio around 20:1



SPECIFICATIONS

Freq Response:	20 Hz-20 kHz
Noise:	-80dB +/-5
Attack:	800 μ s-1.5 ms
Release:	200-700 ms
Ratios:	4:1 / 8:1 / 12:1 / 20:1 & ABI
Height:	3U - 500 chassis
Depth:	Standard
Width:	Standard
Weight:	1 lb
Power:	500 series chassis

Completely Discrete Signal Path.
Faithfully Recreated REV D Circuit.
Hassle-Free 2 Year Warranty.

Painstakingly Handcrafted in the USA!



ADDITIONAL FEATURES

- Handcrafted in the USA in Small Batches
- Rugged, Fully-Enclosed, USA Made Steel Chassis
- Custom, Hand-Wound USA Made Transformers (faithful to original specifications) Faithfully Recreate the Sonic Nuances of the Original
- AudioScape Exclusive, Sonically Period-Correct, and Handcrafted T4B Opto-Attenuator
- Premium Capacitors and Period-Correct Carbon Flm Resistors utilized throughout.
- All High-Quality, Name Brand Parts Sourced from US Based Distributors
- NOS Metal-Can Transistors & Alpha Pots
- Fully Integrated, Unique Circuit Modification, Made Popular by One of the World's most ESTEEMED Mix Engineers
- HF Emphasis Control (Fully Variable) - Allows you to FOCUS the Compression to a Specific Area of the Frequency Spectrum





FAQ

COMMON QUESTIONS

Q: How do you stereo link two V3As?

A: Not all 500 series chassis have the facility for that, but we're working on a solution to accommodate everyone.

Q: How closely does this match a UREI LA3a?

A: No one has been able to tell the difference yet

Q: Should you power down the V3A in between uses?

A: Yes, we recommend powering down your 500 series chassis at the end of work each day

Q: What setting do you recommend as a good starting point?

A: Have your source material amplified to an average level of -18dBfs (digital zero) and then set the V3A:

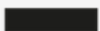
- Gain at 11 o'clock
- Compress (push in)
- ignore Stereo Ddjust
- meter GR
- HF at 2 o'clock
- Comp at 10 o'clock
- Stereo out





CONTACT

- Have support or service related questions? Please email tech@audio-scape.com
- Looking for Inventory updates, all general inquiries, questions about using our products, need gear or mix advice? Please email info@audio-scape.com and subscribe to the Email Newsletter, [Instagram](#), & [Facebook](#).



CE EU DECLARATION OF CONFORMITY

PRODUCT MODEL / PRODUCT:

PRODUCT: V3A [500-SERIES] LEVELING AMPLIFIER
MODEL/TYPE: V3A
SERIAL NOS. 125000 - 130000

MANUFACTURER:

MANUFACTURER: AUDIOSCAPE ENGINEERING CO. LLC
ADDRESS: 1631 S. NOVA ROAD, BUILDING A, DAYTONA BEACH, FL 32119, USA

THIS DECLARATION OF CONFORMITY IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER.



THE OBJECT OF THE DECLARATION DESCRIBED IS IN CONFORMITY WITH THE RELEVANT UNION HARMONISATION LEGISLATION:

73/23/EWG	LOW VOLTAGE DIRECTIVE
89/336/EWG	EMC DIRECTIVE
DIN EN 55103-1&2	ELECTROMAGNETIC COMPATIBILITY OF AUDIO EQUIPMENT
2011/65/EU	THE RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE

THIS DECLARATION BECOMES INVALID BY MODIFICATION ON THE DEVICE WITHOUT APPROVAL.

THE TECHNICAL FILE IS AVAILABLE FROM THE MANUFACTURER AT THE ADDRESS ABOVE.

SIGNED FOR AND ON BEHALF: AUDIOSCAPE ENGINEERING CO. LLC

PLACE OF ISSUE: DAYTONA BEACH, FL, USA

DATE OF ISSUE: NOVEMBER 1ST, 2023

NAME: CHRIS YETTER

POSITION: OWNER

SIGNATURE:

A handwritten signature in black ink that reads "Chris Yetter".

THE PURPOSE OF THIS EG DIRECTIVE 2003/108/EG IS, AS A FIRST PRIORITY, THE PREVENTION OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE), AND IN ADDITION, THE REUSE, RECYCLING AND OTHER FORMS OF RECOVERY OF SUCH WASTES SO AS TO REDUCE THE DISPOSAL OF WASTE. PLEASE ASSIST IN KEEPING OUR ENVIRONMENT CLEAN.

