

BUSS COMP USER MANUAL

AUDIOSCAPE
ENGINEERING CO.



POWERED BY
SONIC TRUTH
MADE IN THE USA

This manual provides general information, preparation for use, installation, and operating instructions for the Buss Comp.

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



TABLE OF CONTENTS

A Word from the AudioScape Family.....	1
Important Safety Instructions.....	2
Front Panel.....	3
Rear Panel.....	4
Features.....	5
The Tech Stuff.....	6
FAQ	7





A WORD FROM THE AUDIOSCAPE FAMILY

Thank you for purchasing the Buss Compressor from AUDIOSCAPE Engineering! Inspired by the famous VCA stereo buss compressor found on British, G-Series Mixing Consoles.

The Buss Compressor is a great addition to any studio, effortlessly bringing your stems and mixes to life. We've recreated all the PUNCH and GLUE you've heard on countless hit records. This is THE SOUND.

Let's dig into it's features!



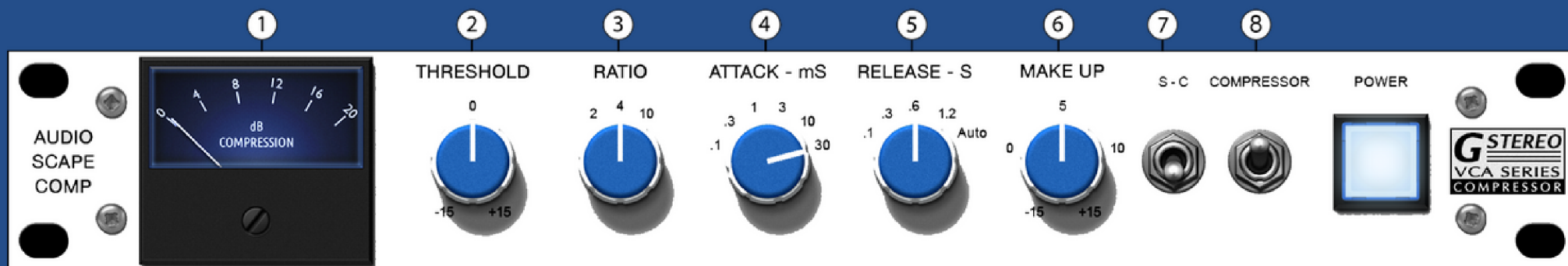
IMPORTANT SAFETY INSTRUCTIONS



- **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, and liquids are not spilled, into the enclosure through 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 unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the unit.
- **Power Cord Protection** - AC power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit. Never take hold of the plug or cord if your hand is wet. Always grasp the plug body when connecting or disconnecting it.
- **Non-use Periods** - The AC power supply cord of the unit should be unplugged from the AC outlet when left unused for a long period of time.
- **Damage Requiring Service** - Please refer to a qualified technician.



FRONT PANEL



- (1) Meter - Gain reduction display from 0 to 20 dB of reduction from nominal input signal
- (2) Threshold - The point at which compression begins. 0 = digital 0 or -18dBfs
- (3) Ratio - Compression ratio from 2:1 softest knee to 4:1 almost hard knee to 10:1 bordering on hard limiting
- (4) Attack - From 0.1 ms (fastest) gradually to as slow as 30 ms
- (5) Release - From 100 ms to as slow as 1.2 seconds, with the famous auto-release option
- (6) Make-up - Starting at 0, trim as much as 15 dB off by turning counter-clockwise, and clockwise for up to 15dB of boost on final signal
- (7) S-C - Switch to Turn the side-chain on or off, you can insert a pre determined HPF eq
- (8) Compressor Switch to BYPASS the entire unit

REAR PANEL



(1) AC Power Connector - Insert 120V IEC power cable only into this connector. For EU wall voltages, please email for a recommendation for a suitable external wall converter.

(2-3) XLR OUTPUT - A balanced XLR connector carrying the line-level output signal of the Buss Comp. This signal will normally be routed via a patchbay to a channel or bus insert return.

(4-5) XLR INPUT - Connect line-level input signal to this balanced XLR connector. Pin 2 is wired positive (hot). This signal will normally be arriving via a patchbay from a channel or bus insert send.



★ FEATURES

The BUSS COMP is a VCA-based Limiter/Compressor that's been heralded for its extremely PUNCHY dynamics response, box-tone, and aggressive, program-dependent ratios.

The BUSS COMP is a FEEDBACK style compressor. The BUSS COMP is truly an incredibly versatile dynamics processor



THRESHOLD
Sets the level in which the compression begins.



MAKE-UP
Control the overall output of the compressed signal



S-C/COMP
Switch to Turn the side-chain on or off, you can insert a pre determined HPF eq



RATIO
Compression ratio from 2:1 softest knee to 4:1 almost hard knee to 10:1 bordering on hard limiting



ATTACK
From 0.1 ms (fastest), to as slow as 30 ms



RELEASE
From 100 ms to as slow as 1.2 seconds, with the famous auto-release option





ADDITIONAL FEATURES

SPECIFICATIONS

Headroom:	+28dB
Dynamic Range:	>118dB
Freq Response:	20 Hz-20 kHz
Crosstalk:	>1000dB
CMRR:	> 50dB
THD:	nominal 0 it is 0.008%
Height:	1U
Depth:	9 in (229mm)
Width:	19 in (48cm)
Weight:	10 lbs
Power:	120 V/ 25 watt

Painstakingly Handcrafted
in the USA!

- Integrated Switchable 160 Hz S/C High-Pass Option
- True Stereo, Quad VCA Controlled Compression
- Original Threshold, Attack, Release and Ratio Controls
- Original looking VU Meter and Replicated Knobs
- Genuine Neutrik™ XLR Connectors In/Out (Metal)
- Alpha Potentiometers and Rotary switches
- Antek Power Transformer (Internal; 120 V)

OUR FAVORITE SETTINGS!

“PUNCH & GLUE MASTER”

- 30 ms Attack
- .1 Release
- 2:1 Ratio
- 2-4 dB Compression *(will vary based on song / mix)*

“DRUM BUSS IMPACT”

- 10 ms Attack
- .1 Release
- 4:1 Ratio
- 3-4 dB of Compression *(don't be afraid to push for more!)*

The Famous SSL™ crunch setting:

Your mix hits at an average of -18dBfs, but you set the
THRESHOLD @ -12 dB, MAKE-UP @ 7 dB, ATTACK @ 5 ms,
RELEASE: auto, SIDE-CHAIN on for real instruments, off for
electronic music including EDM, Trance, House, Hip Hop and
modern R&B





FAQ

COMMON QUESTIONS

Q: Is the Buss Comp only stereo or can it be used as dual mono?

A: It's designed for stereo LR operation but there's no reason you can't use each channel for an independent operation such as Kick on one side and mono bass on the other, but you still only have one set of controls . . . so, not advisable.

Q: How closely does this match a G-Series center console buss comp?

A: In all honesty, that's the general idea but we've reduced the inherent noise and distortion characteristics for the DAW age.

Q: Should you power down the Buss-Comp in between uses?

A.: Yes, we recommend powering down your Buss-Comp at the end of work each day. Also, if left for more than one day, we recommending unplugging the power cord from the wall outlet or power conditioner strip.

Q: What's a good starting point for setting?

A: Have your source material hitting an average level of -18dBfs (digital zero) then set THRESHOLD @ 0, MAKE-UP @ 3 dB, RATIO @ 4:1, ATTACK at 10 ms, RELEASE: auto. S/C on, and then experiment! Don't forget to put the Compressor switch in 'up' position for on.

CALIBRATION

Under the gain reduction meter, you'll notice a medium sized slot screw. With the unit on and no audio passing through it, adjust the screw so that the needle rests at 0.



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: BUSS COMPRESSOR

MODEL/TYPE: BUSS

SERIAL NOS. 127200 - 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:

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.

