

Introduction

Congratulations on your purchase of this API 500 format compatible SSL G Series Bus Compressor module.

This module has been specifically designed to operate in a 500 format rack such as the API lunchbox® or equivalent. In common with many such modules, the nominal input/output level is +4dBu.

The module is a stereo compressor, designed to provide flexible control over a stereo mix. The compressor design is based around the Bus Compressor found in the SL 4000 G Series console.

Operation

Please refer to the illustration opposite.

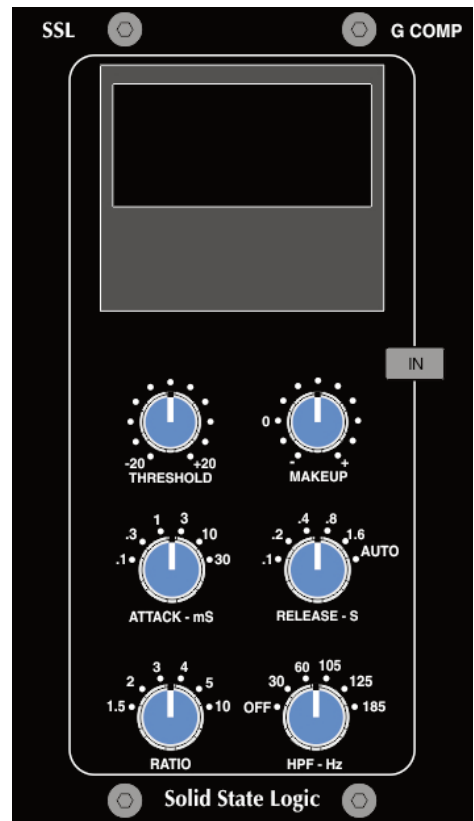
The main VCA is permanently in circuit; the compressor sidechain is enabled by the IN switch. The other sidechain controls are equally straight forward and hopefully require little explanation. The ATTACK, RATIO and RELEASE controls are multi-position switches; the THRESHOLD and MAKE-UP controls are continuously variable potentiometers.

It should be noted that the knee point of the compressor, set with the THRESHOLD control, purposely changes depending on the setting of the RATIO control. Decreasing the RATIO setting lowers the effective threshold, hence maintaining the perceived 'loudness' of the compressed signal.

The compressor features a classic 'dominant' sidechain architecture. The left and right channels are independently rectified using a true peak full wave detector circuit, and the dominant, ie. louder channel, controls the gain reduction of the overall stereo level via the user selected time constants. The compressor now features an HPF (High Pass Filter) in the sidechain, which is controlled by a multi-position switch.

The illuminated compression meter at the top of the module displays gain reduction for the compressor.

- 3 -



- 4 -

Other Modules

The SSL G Series Bus Compressor is not the only 500 format module available from SSL. Other modules in the range include:

E-Series Dynamics

The E-Series Dynamics Module reproduces the legendary sonic signature of the fully-flavoured VCA channel dynamics section of the SL 4000 E console channel strip. The E-Series Dynamics Module features a compressor/limiter and an expander/gate, both of which return faithfully to the circuitry and key components that define the sound of the original SL 611 E Series channel strip



- 5 -

E-Series EQ

The E-Series EQ Module features two different EQ's found on editions of the console produced between 1979 and 1987. Each EQ has unique response curves and tonal character. Historically, the type of EQ fitted in an individual console was distinguished by the colours used on the LF knob caps so the two flavours have become known as the 'Brown' and 'Black' EQ's. On the E-Series EQ Module, you can switch between these two different flavours of EQ that have been loved by generations of professional producers.



- 6 -

www.solidstatellogic.com

Please refer any warranty claim to the supplier of this equipment in the first instance. Full warranty information for equipment supplied directly by Solid State Logic can be found on our website:

Limited Warranty

product. your household waste disposal service or where you purchased the waste equipment for recycling, please contact your local city office, environment. For more information about where you can drop off your recycling in a manner that protects human health and the disposal will help to conserve natural resources and ensure that it is recycling of waste electrical and electronic equipment. The separate handling it over to a designated collection point for responsibility to dispose of their waste equipment by disposed of with other waste. Instead, it is the user's packaging, which indicates that this product must not be



Instructions for Disposal of WEEE by Users in the European Union

This apparatus is designed to be installed and used in API 500 format compatible racks which are CE marked. The CE mark on a rack is indicative that the manufacturer confirms that it meets both EMC and the Low Voltage Directive (2006/95/EC).



Solid State Logic

S O U N D | | V I S I O N

Visit SSL at: www.solidstatellogic.com

82BPD02A

© Solid State Logic

All Rights reserved under International and Pan-American Copyright Conventions

G Series, SL 4000, SSL and Solid State Logic are trademarks of Solid State Logic

All other product names and trademarks are the property of their respective owners and are hereby acknowledged

No part of this publication may be reproduced in any form or by any means, whether mechanical or electronic, without the written permission of Solid State Logic, Oxford, OX5 1RU, England

As research and development is a continual process, Solid State Logic reserves the right to change the features and specifications described herein without notice or obligation.

Solid State Logic cannot be held responsible for any loss or damage arising directly or indirectly from any error or omission in this manual.

E&OE

- Use the panel fixing screws supplied with the rack to secure this apparatus into the rack.
- Ensure power is removed from the rack before fitting or removing this apparatus to or from the rack.
- Installation

- you are qualified to do so. Refer all servicing to qualified service personnel.
- other than that contained in these Installation Instructions unless To reduce the risk of electric shock, do not perform any servicing
- Do not operate this apparatus with any covers removed.
- 500 format compatible racks.
- This apparatus should not be used outside of the scope of API

Caution

- This apparatus is not to be used in safety critical applications.
- standards may no longer be met.
- Adjustments or alterations to this apparatus may affect the performance such that safety and/or international compliance
- There are no user-adjustments, or user-serviceable items, on this apparatus.
- Do not block any ventilation openings. Install in accordance with the rack manufacturer's instructions.
- Clean only with dry cloth.
- Do not expose this apparatus to rain or moisture.
- Do not use this apparatus near water.
- Follow all instructions.
- Heed all warnings.
- Keep these instructions.
- Read these instructions.

General Safety

before installing or using this apparatus.

This page contains definitions, warnings, and practical information to ensure a safe working environment. Please take time to read this page

Safety and Installation Considerations

Solid State Logic

S O U N D | | V I S I O N

G Series Bus Compressor Module for 500 Format Racks

User Guide