

Introduction

Congratulations on your purchase of this 500 format compatible SSL LMC+™ Module.

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

The LMC+ module is the latest incarnation of an analogue processor that started life as a very humble return talkback compressor (Listen Mic Compressor) in SSL's earliest SL 4000 series consoles.

The SSL 'Listen Mic' Compressor was, throughout the 1980's, the secret weapon in many producers' sonic arsenal of recording techniques. Originally designed to prevent overloading the return feed from a studio communications mic, its fixed attack and release curves were eminently suitable for use on ambient drum mics. The console surgery required to gain access to the compressed output was performed on many early E Series consoles before it became a standard modification on later production systems.

This modular version of the processor has brought out some of the previously fixed settings to knobs and switches, to allow the sonic signature of this characterful compressor to be tweaked and twisted for even more creative results.

Operation

Please refer to the illustration opposite.

Trim 1

The Trim control adjusts the gain of the wet path signal through the module, prior to the compressor's gain element. This provides up to 20dB of boost or cut to the signal level. The control has a centre detent at 0dB.

LMC Circuit 2

The compressor section incorporates a bi-colour GR LED to show gain reduction, and a variable threshold control with automatic make up gain to change the severity of the compression effect. The IN switch takes the compressor in/out of the wet signal path.

High & Low Pass Filters 3

Variable High and Low Pass Filter sections can be switched into the main wet signal path via the IN switch or SPLIT switch or, by using the SC switch, placed in the side chain of the compressor circuit to provide frequency dependant compression. With the SPLIT switch active, the filtered wet signal is cancelled out of the dry path.

Mix Section 4

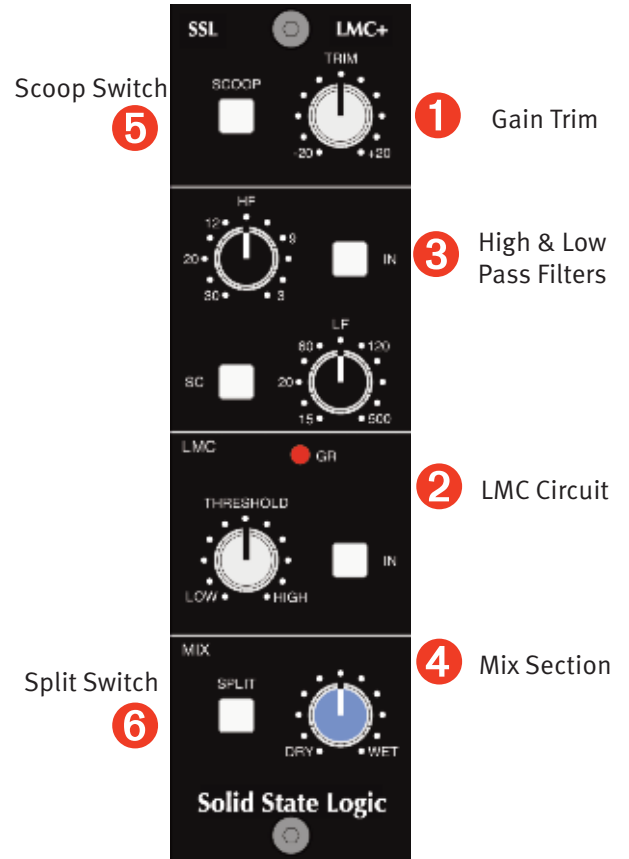
Variable balance between the dry and processed (wet) signals for parallel compression and for frequency selective processing in conjunction with the Split and Scoop Modes.

Scoop Switch 5

The 'Scoop' switch, inverts the polarity of the signal into the compressor. In conjunction with the WET/DRY Control and the HF and LF filters, some unusual inverse compression effects can be obtained.

Split Switch 6

The 'Split' Switch reconfigures the unit as a band selective compressor. With the 'Split' mode active, the filters determine the bandwidth of the signal feeding the compressor and, at the same time, the selected band is removed from the DRY path. The WET/DRY Control determines the amount of the compressed filtered signal that is returned back to DRY path.



Using the LMC+

Some of the effects that can be obtained from the LMC+

	LMC 2	HF LF 3	Scoop 5	Split 6	Wet/Dry 4
Simple Compressor	IN	-	-	-	WET
Parallel Compression	IN	-	-	-	Adjust the amount of compressed signal added to the DRY path
High Pass Compressor	IN	SC Set LF as required	-	-	WET
Parallel Frequency selective compression	IN	IN Set HF & LF as required	-	-	Adjusts the amount of the filtered compressed signal added to the DRY path
Band Selective Compression	IN	Set HF & LF as required	IN or OUT to taste	IN	Adjusts the amount of the filtered compressed signal added back to the filtered DRY path
Inverse Selective Compression	IN	IN Set HF & LF as required	IN	-	Start around 50% and adjust for required effect.