Sound Skulptor CP554 User manual

Installation
The lunchbox (or rack) hosting the compressor must be installed in a well ventilated area. Class A circuits are known be produce heat. Do not omit the 4 fixing screws on the module front plate before moving. It is heavy and the weight would put too much pressure on the back connector.

Connections
The compressor input is connected to the rear left female XLR. The output is connected to the left male XLR.
Pin 1 = Ground, Pin 2 = Hot, Pin 3 = Cold.

1. STEREO
Connects two compressors in stereo mode. The loudest signal controls the level of both channels.

The link is made via the pin 6 of the host connectors. These pins must be tied together on the host. This link is provided in some hosts, on others you must wire it by yourself. The switches must be depressed on both compressors to activate the link.

2. GAIN REDUCTION METER
Displays the gain reduction in dB.

3. THRESHOLD
Rotary switch that sets the input level at which compression begins, from -21 to +12 dBu.

4. RATIO
Rotary switch that sets the compression ratio from 1.5 to 12.

5. ATTACK
Rotary switch that sets the attack time from 0.5 to 16 milliseconds.

6. 50-100-200 Hz
Inserts a 50, 100 or 200 Hz high-pass filter in the side-chain. Produces a Fat sound and eliminates bass driven pumping.

7. BYPASS
Hardware bypass by relay (when button is released).

8. MAKEUP
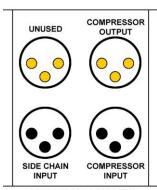Rotary switch that sets the post compression gain to restore the signal level, from 0 to +22dB.

9. RECOVERY
Rotary switch that sets the release time from 100ms to 1.5 second. The A1 and A2 positions set 2 automatic release times which are program dependent (fast on isolated peaks but slower for the average level).

10. SIDE CHAIN
Controls the source for the side chain. It can be INT: internal, OFF: No compression, EXT: the side chain comes from the second input (the module is 2 units wide).
The side chain external input is an unbalanced audio input on the input XLR (pin 2=hot, pin 3=Ground). When 2 compressors are connected in stereo, it is the loudest side chain signal that will control the level of both.