

Multi Comp-1 – 1.0

The image shows the Multi Comp-1 software interface, which is a multi-band compressor. It is divided into three horizontal sections for High-Band, Mid-Band, and Low-Band. Each section contains a set of controls for threshold, attack, delay, detector, and gain reduction. The High-Band section has a frequency range of [9.39] kHz, the Mid-Band section has [0.693] kHz, and the Low-Band section has [0.020] kHz. The interface includes various knobs, sliders, and buttons for adjusting the compressor's parameters.

Description -

Multi-Band Compressor with independent external side-chain capability per band.

Key Features.

- Phase/Time aligned 3 Band divider.
- Feed-Forward compression
- Detection Filters & Drive
- Key listen
- Side-Chain
- Musical

Interface Control

Mouse Click+Drag = Change Value.

CRTL+Mouse Click+Drag = Fine Tune Change Value.

Functions

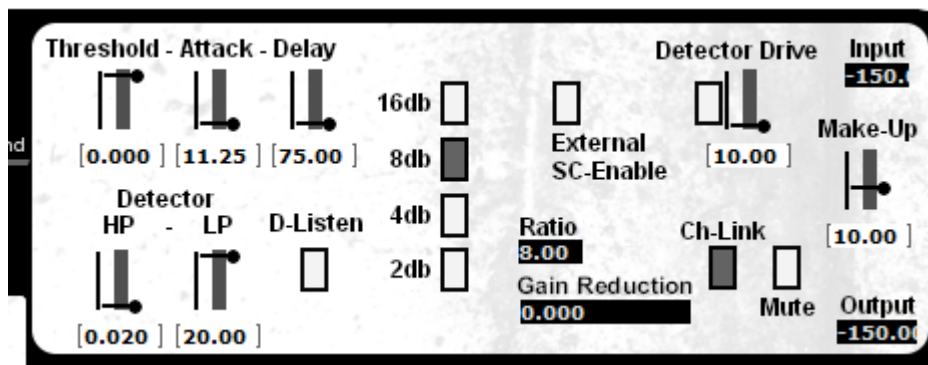
Frequency splitter -

Divides the incoming signal into 3 bands. Each band is then sent to one of the 3 compressors.



The Compressor -

Controls the dynamic characteristics of the incoming signal.



Threshold – Sets where compression begins. Signals above the threshold are attenuated by an amount specified by the Ratio parameter.

Attack – How long it takes to reach maximum compression once a signal exceeds the threshold.

Delay - Sets how long it takes for the compressor to return to normal.

Ratio Controls - Sets compression amount.

Detector -This section causes the compressor to be triggered by set HP & LP frequencies, instead of the complete signal. These can either be frequencies in the input signal or, by using the Detector in conjunction with an external side-chain.

Detector Drive - Overdrives the detector circuits signal. Is used to change the compressors sound. (This does not Overdrive your final output.)

D-Listen - Lets you monitor the detection circuit. Helps with setting up what triggers the compressor.

External SC Enable - Enables external side-chain.

CH-Link - Channel link/unlink determines if the Left & Right signals are compressed equally or independently based on there own signal peaks.

Make-Up - Increases & attenuates output signal.

Mute - Mutes compressor output.

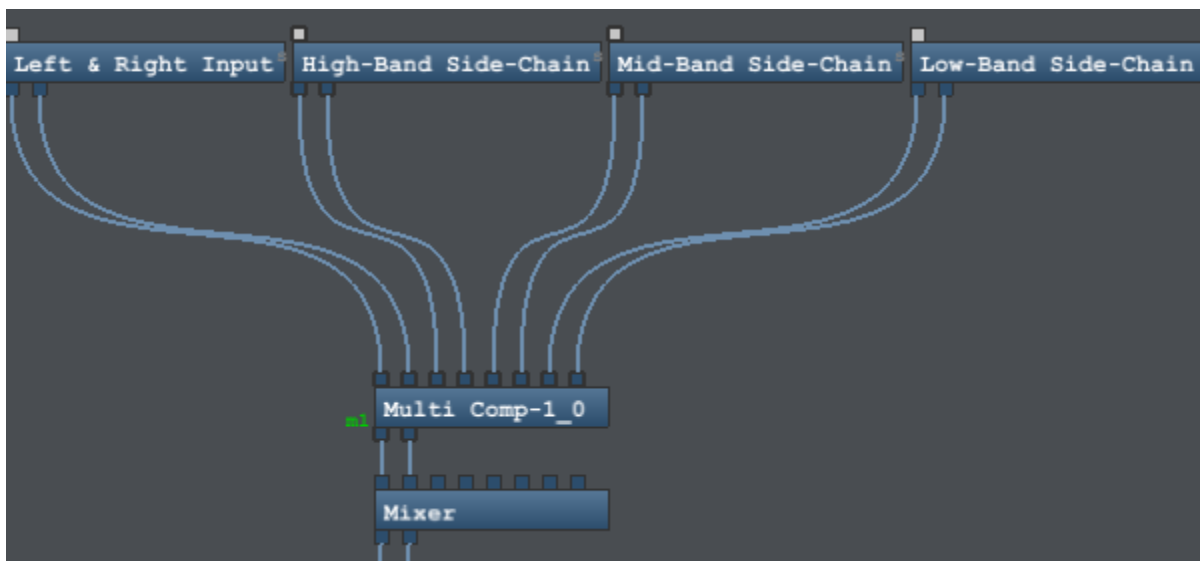
Input window - Shows detector circuit input.

Ratio window - Shows compression ratio.

Gain Reduction window - Shows level of gain reduction do to compression.

Output window - Shows output level.

I/O



Multi Comp-1 has a complex i/o system. 8 inputs / 2 outputs.

1st pair = Left & Right Input

2nd pair = High-Band Side-Chain Left & Right (mono summed) input

3rd pair = Mid-Band Side-Chain Left & Right (mono summed) input

4th pair = Low-Band Side-Chain Left & Right (mono summed) input

Output = 1st pair Left & Right after compression

Well hope this clears things up. Have fun..

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