



M/S Blender 500

Universal parallel processing tool



The M/S Blender 500 is a multi functional parallel processing tool. A dual mono blender, a stereo blender and a M/S encoder/decoder. In standard mode the unit acts like two individual mono blenders. If you activate the link function the left blend knob will control both channels for easier blend of stereo signals. In M/S mode the left/right sends will be encoded into mid/side sends and the returns will be decoded back to left/right before the blend control(s). A cue function is also provided so that you can monitor the left, right, mid or side signal (to cue the mid or side signal the M/S function need to be activated.) The cued signal will be sent to both main outputs.

Parallel processing can help you get more energy on tracks like bass, vocal and guitars by blending in compression. It can also give you more punch in a mix by blending in a compressed signal. With parallel compression you will keep the transients from the direct signal while you blend in compressed signal for more energy. It's also very useful for blending in signals from distortion, saturation and overdrive units.

The M/S Blender 500 can also be used as a M/S encoder/decoder for the inserted processor(s), you don't need to use stereo units for M/S processing, you can use separate units for mid and side processing.

When you work in M/S mode the mid and side signal will be processed separately which can help you get a more focused mid, adding some air to the sides at the same time. By altering the side signal level you can control the width of the mix.

Cue function for monitoring of left, right, mid or side return.
Two green LED's indicates if the cue switch is activated.

Left / Mid blend control (controls both channels if the link switch is activated).

Activates Left/Mid channel (controls both channels if the link switch is activated).

With the link switch activated left blend knob and In switch will control both channels.

Send jacks to the external processor(s). Left / Right or Mid / Side if M/S is activated.



Right / Side blend control. Both controls uses potentiometers with 41 clicks from dry to wet.

Activates Right/Side channel.

Activates M/S. Left and right send will be encoded into mid and side. The returned signal will be decoded back to left and right before the blend control.

Return jacks from the external processor(s). Left / Right or Mid / Side if M/S is activated.

Specifications:

Power requirement: +130 / -60mA

Frequency response: 20Hz-80kHz +/-0dB

THD+N @ 1kHz: less than 0,0004% (blend)

THD+N @ 1kHz: less than 0,0006% (M/S)

Dynamic headroom: 124dB (119dB M/S)

Signal to noise ratio: 97dB @ 0dBu

Signal to noise ratio with M/S activated: 92dB @ 0dBu

Input impedance: 24kohm

Output impedance: 70ohm

Max input level: +26dBu

Max output level: +26dBu