

MPX 100 Parameter Descriptions

Plate Parameters	
Decay/15 ips or 7.5 ips	Sets the length of the decay time. The time is switchable between the two settings, which are based on tape speed and the distance between the Record and Playback heads of the tape deck.
Decay Time	Sets the length of the decay time. Decay Time is continuously variable.
Liveness	A combination of parameters that determine how “live” an algorithm is.
Low Cut	Sets the knee below which Low frequencies are attenuated.
Gate Parameters	
Duration	Determines the length of time, which passes before cutoff of output occurs.
Hi Cut	Sets the knee above which high frequencies are attenuated.
Hall Parameters	
Decay	Sets the length of the decay time.
Chamber Parameters	
Liveness	A combination of parameters that determine how “live” an algorithm is.
Ambience Parameters	
Decay Level	Controls the amount of reverb applied to the signal.
High Cut	Sets the knee above which high frequencies are attenuated.
Liveness	A combination of parameters that determine how “live” an algorithm is.
Room Parameters	
Decay Time	Controls Mid frequency Reverb Time.
High/Low Equalizer	A High cut filter that sets the knee above which high frequencies are attenuated.
Liveness	A combination of parameters that determine how “live” an algorithm is.
Low Frequency Cut	Controls the Bass Multiplier.
Wall Reflections	Controls feedback to create a flutter echo effect.
Tremolo Parameters	
Rate: 0.4 – 15Hz	Controls the speed of volume modulation.
Sweep: 0, 90, 180, 270	Controls the phase relationship between the Left and Right channels.

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Rotary Parameters	
Balance	Determines volume balance between the Horn and drum
± Resonance	Positive Resonance controls the amount of output signal that is regenerated to the Input. Negative Resonance inverts the phase of the Output signal and controls the amount of the signal that is regenerated to the Input.
Slow/fast, Width	Slow/Fast controls the rotation rate of the Horn and Drum voices. The settings correspond to the speed settings on a Leslie 122 cabinet. Width controls the effective stereo spread.
Slow/Fast, Balance	Slow/Fast controls the rotation rate of the Horn and Drum voices. The settings correspond to the speed settings on a Leslie 122 cabinet. Balance controls the balance between the levels of the Horn and Drum Voices.
Speed	Controls the rate at which the voices sweep through frequencies.
Width	Controls the stereo spread of the output.
Chorus Parameters	
±Depth	Controls the amount of wet signal present at the output.
Diffusion	Creates a time smoothing effect similar to diffusion in reverb.
High Cut	Sets the knee above which high frequencies are attenuated.
Rate	Controls the rate of modulation in the chorusing effect.
± Resonance	Positive Resonance controls the amount of output signal that is regenerated to the Input. Negative Resonance inverts the phase of the Output signal and controls the amount of the signal that is regenerated to the Input.
Flange Parameters	
Rate	Controls the speed at which the tap voices shift through time.
± Resonance	Positive Resonance controls the amount of output signal that is regenerated to the Input. Negative Resonance inverts the phase of the Output signal and controls the amount of the signal that is regenerated to the Input.
Sweep; 0, 90, 180, 270	Controls the phase relationship between the Left and Right channels.
Pitch Parameters	
± 1 Octave	Adjusts Pitch up to 1 Octave above or below the input signal.
± 100 cents	Adjusts Pitch up to 100 cents above or below the input signal.
-2 to +1 Octaves	Adjusts Pitch up to 1 Octave above or 2 Octaves below the input signal.
4th to 5th Up	Adjusts Pitch up to between a 4th and a 5th above the input signal.
5th to 6th Up	Adjusts Pitch up to between a 5th and a 6th above the input signal.
Flat 3rd to 4th Up	Adjusts Pitch up to between a Flat 3rd and a 4th above the input signal.
Inversion	Inverts the phase of the effected signal.
Minor/Major3rd	Adjusts Pitch up to between a Minor and a Major 3rd above the input signal.
Detune	

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Parameters	
Detuning	Adjusts the depth of the detuning in the algorithm.
Delay, Echo Parameters	
Delay/Echo Feedback	Determines feedback of L into L and R into R.
Delay/Echo Time	Sets the Delay or Echo time.