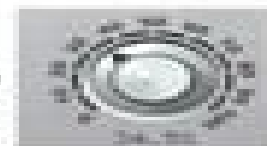


predic1 - both of these settings use FIR-based envelope detectors with lookahead to smoothly catch transients and limit their level.

transient knob

This knob adjusts the attack time of the first stage of limiting, effectively controlling how much of the transient will be passed to the second limiting stage. Low values reduce distortion but may significantly soften the transient. High values typically increase the distortion of the transients, but the clarity of the transients may also be much greater.



release knob

The release knob determines the release time for the first stage of limiting. Lower values result in a higher perceived loudness level at the cost of distorting the audio signal. Higher values reduce the perceived loudness level but maintain the clarity of the audio material.



in knob

This knob adjusts the input level of the audio signal, which effectively determines the amount of limiting applied. Higher settings of this knob will preamplify the input signal before it is sent to the limiter, while lower settings will attenuate the signal. As mentioned in the Integrated Leveler section, there is a threshold above which the perceived loudness no longer increases, and instead increasing the input level only adds pumping artifacts.



TIP: Another reason to avoid over-limiting, especially when limiting a full mix, is that too extreme limiting can make the material sound flat and uninteresting as all the dynamics will be lost. So remember that "less is more" when it comes to adjusting the in knob.

power button

The power button, located below the metering section, activates or deactivates the plug-in. When the power button is off, the internal engine and buffers stop running, but calibration mode and dithering noise can still be in use.



Psp Xenon Manual

Scott C. Dulebohn



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