

OWNER'S MANUAL

**LOOPTROTTER**  
**AUDIO ENGINEERING**

**SAT 500**

**DYNAMICS PROCESSOR**

# SAT 500

**SAT 500** is a single channel module in 500 format fitted with a saturation circuit, which adds low order harmonics and smoothly evens the signal, all in an amazingly musical and ear friendly way. It can significantly increase the RMS level. The sound refers to old tube mixing consoles and tape recorders.

**SAT 500** is equipped with unique solutions shaping the content of harmonics in the processed signal.

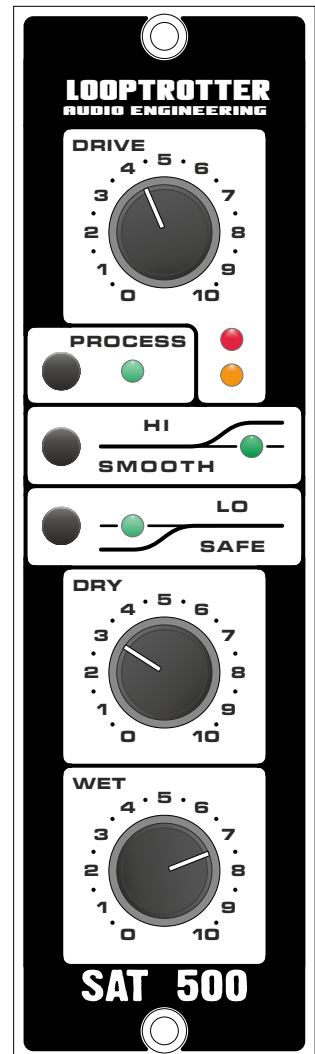
The **HI SMOOTH** function boost high frequencies before the saturation circuit and attenuate them after the saturation circuit. This function causes a higher saturation of high frequencies with harmonics, which causes smoothing of the signal and pleasant compression for the ear.

The **LO SAFE** function reduces the low-frequency amplitude before the saturation circuit and boost it after the saturation circuit. This function "protects" the lowest frequencies before the fast clipping and is invaluable especially for instruments with a high content of low frequencies such as bass, kick drum, group of drums or the whole mix.

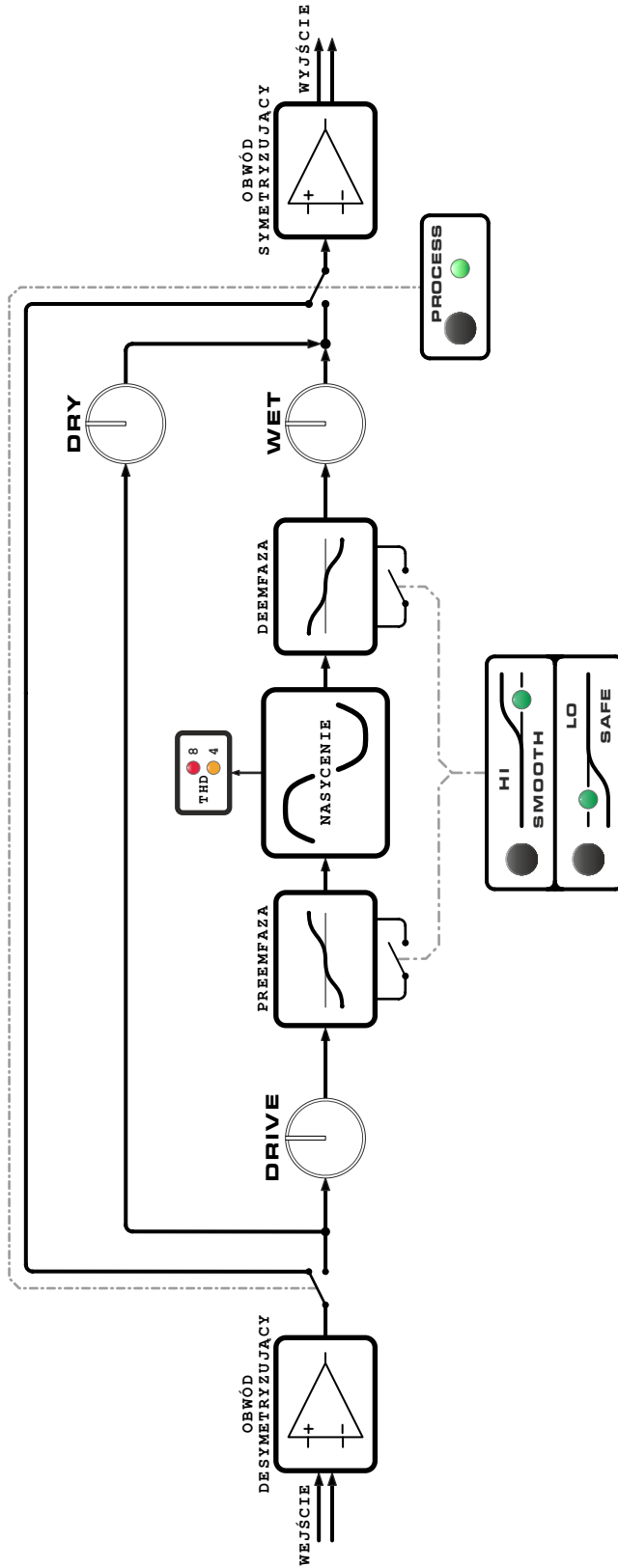
The depth of saturation is smoothly controlled with the **DRIVE** knob.

**SAT 500** features an independent control over **DRY** and **WET** signal.

The depth of saturation (the amount of added harmonics) is indicated by two LEDs, lighting up at 4 and 8% THD.



# SAT 500



# SAT 500

Artist:.....

Track:.....

Instrument:.....

Sesion:.....

Date:.....

Notes:.....

