



TILT

Description

This is the After Later Audio take on the classic Slope Generator module first introduced by Serge back in the 1970s. The module is really a jack of all trades as it can be a slew limiter, envelope generator, oscillator (both LFO and audio rate), and function generator.

This stays true to the original design by offering both a unipolar and bipolar output while adding separate controls for exp/log for both rise and fall and a gate/sustain function to get full ADSR envelopes.

The rise output is high during the rising portion of the cycle and fall output is high during the falling portion of the cycle.

Use the IN input to get standard slew limiter functionality.

Use the GATE input to trigger an ADSR envelope and then use the sustain control to control the level of the sustain. Rise will control the attack and fall controls both the decay and release times. You can also use the GATE input while using a cycle mode and this will adjust the 0V level to the sustain level. This gets some great effects with audio rate frequencies on the on the rise/fall controls.

There are two rate modes controllable by a jumper on the back. The module is set to AUDIO mode at the factory.

- LFO mode - 10min/cycle to 115hz
- AUDIO mode - 75s/cycle to 1.2kHz



Walkthrough

TILT
function generator
envelope generator
oscillator
slew limiter

Sustain controls sustain level while the gate input is held high

Switch between bi-polar oscillator mode, slew/ADSR mode, and uni-polar oscillator mode

Slew input to add a tilt to any signal

CV controls for rise, fall, or both at the same time



Individual shape controls for rise and fall

Attenuverter for output control

Gate input is used to trigger an ADSR envelope (gate) or AR envelope (trigger)

Bi-polar $\pm 4.5V$
Uni-polar $+9.5V$
ENV mode $+9V$

EOR and EOF offer gates during rise and fall actions



AFTER LATER AUDIO

Technical Details

- Unipolar cycle - 9.5Vpp
- BiPolar cycle - 9Vpp (-4.5V to +4.5V)
- Max ADSR level - 9V
- Gate trigger level - 800mV
- Drift on slew limiter - 10mv
- Power consumption:
 - 12V - 55mA
 - -12V - 30mA
- Size: 6hp