MINI SLEW

MINI SLEW is a feature packed function generator and VC slew limiter. Transient functions are generated using the rise, fall and shape controls. Complex functions can be generated using the voltage controlled shape and vari-out via direct CV inputs. MINI SLEW features a novel time compensation mode which permits the timing of the transient to remain relatively constant while the shape parameter is adjusted. CV SUM mode permits a single CV patched into rise or fall to process both parameters or two CVs patched into rise and fall to be summed and applied to both parameters. Additional features include VC cycle (toggle on/off), end of rise and end of fall outputs, FM input and an LED voltmeter for monitoring the amplitude of the direct positive output.

R
RISE CONTROL
Varies the RISE time of the output transient function.

F
FALL CONTROL
Varies the FALL time of the output transient function.

VO
VARIABLE OUTPUT CONTROL
Manually controls the amplitude level and polarity of the VARI-OUT output.

S
RISE/FALL SHAPE CONTROL
Smoothly varying logarithmic, linear, and exponential shape control. This control affects both Rise and Fall simultaneously. This control works as an offset when CV is applied to the SHPE CV input. Use T-COMP mode (detailed below) to retain a relative time constant when changing the output shape.

C
CYCLE MODE TOGGLE
Push this button to toggle cycle mode on/off.

LC
CYCLE LED
This LED indicates the cycle rate when cycle mode is active.

C
CYCLE CV TOGGLE
Apply a 0-5V gate signal to this input to toggle the current cycle on/off state.

TS
TIME COMPENSATION and CV SUM
T-COMP: Hold this button for >1 second to toggle time compensation of the SHAPE control on/off.
CV SUM: Tap this button to toggle CV SUM on/off. CV SUM applies to the RISE and FALL CV inputs. When active, CV SUM allows a single CV applied to either RISE or FALL to affect both inputs. If two CV sources are applied to *both* the RISE and FALL inputs, the CV sources are summed (added together) and applied to *both* inputs.

LT
T-COMP LED
This LED turns on when T-COMP mode is active.

LS
CV SUM LED
This LED turns on when CV SUM mode is active.

SHPE CV
SHAPE CV INPUT
Use this input to vary the SHAPE with CV. Use the SHAPE control to add an offset to the applied control voltage.

RISE CV
RISE CV INPUT
Use this input to vary the RISE time with CV. Use the RISE control to add an offset to the applied control voltage.

FALL CV
FALL CV INPUT
Use this input to vary the FALL time with CV. Use the FALL control to add an offset to the applied control voltage.

VARI CV
VARI CV INPUT
Use this input to vary the amplitude and polarity of the VARI OUT output. Use the VARI-OUT control to add an offset to the applied control voltage. Control voltages must be approximately +/-5V to sweep the full range. Set the VARI-OUT control to center position for symmetrical modulation.

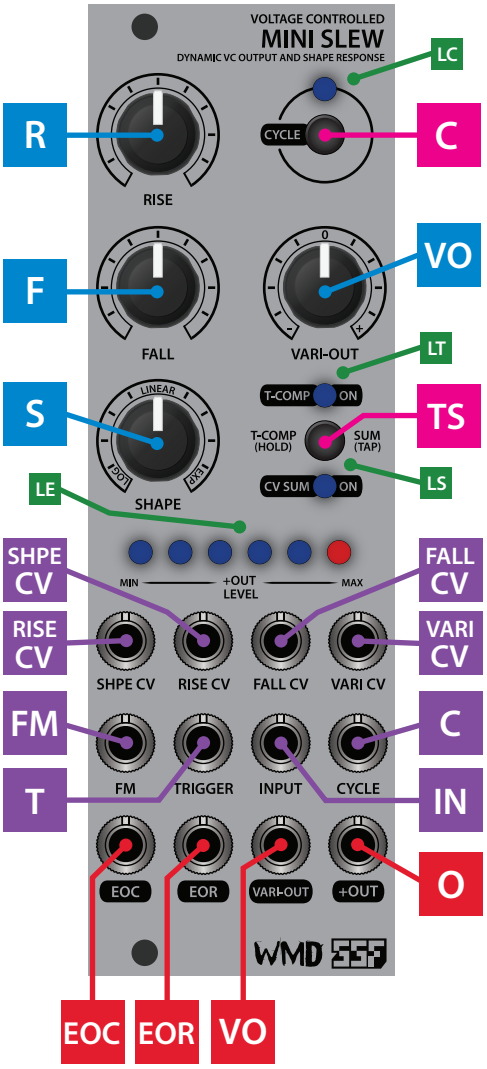
FM
EXPONENTIAL FM CV INPUT
Apply a control voltage here to modulate both RISE and FALL. This input roughly tracks 2-3 octaves.

T
TRIGGER INPUT
Apply a trigger or gate to this input to initiate a transient function. You can also use this input to re-trigger a function when CYCLE mode is active.

IN
SLEW INPUT
Apply a signal to be slewed by the RISE, FALL and associated CV inputs to this input. Apply a gate to create a rise/hold/decay transient function. Apply any control voltage or audio signal here to dynamically shape the input signal.

COLOR KEY LEGEND

- PANEL CONTROL
- LED INDICATOR
- INPUT
- OUTPUT
- MODE SELECTOR



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EOC

END OF CYCLE OUTPUT
This is the EOC output. A pulse/gate is generated whenever the output transient completes a RISE/FALL cycle.

EOR

END OF RISE OUTPUT
This is the EOR output. A pulse/gate is generated whenever the output transient completes the RISE phase of the output transient.

VO

VARIABLE OUTPUT
This is the VARIABLE output affected by the VARI-OUT control and VARI CV input.

O

MAIN OUTPUT
This is the main output. This output is always positive and maximum amplitude. The +OUT LED array reflects the current amplitude state of this output.

LA

MAIN OUT LED ARRAY
This LED array indicates the current amplitude state of the +OUT (main output).

SAVING MODE STATES
MINI SLEW will store all mode states during power cycle intervals. Please allow a minimum of 60 seconds to pass in order to insure that your mode states will be retained when power is cycled off/on.